



Full wwPDB NMR Structure Validation Report ⓘ

Mar 10, 2026 – 11:17 AM UTC

PDB ID : 5B88 / pdb_00005b88
BMRB ID : 36004
Title : RRM-like domain of DEAD-box protein, CsdA
Authors : Xu, L.; Peng, J.; Zhang, J.; Wu, J.; Tang, Y.; Shi, Y.
Deposited on : 2016-06-13

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

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<https://www.wwpdb.org/validation/2017/NMRValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

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

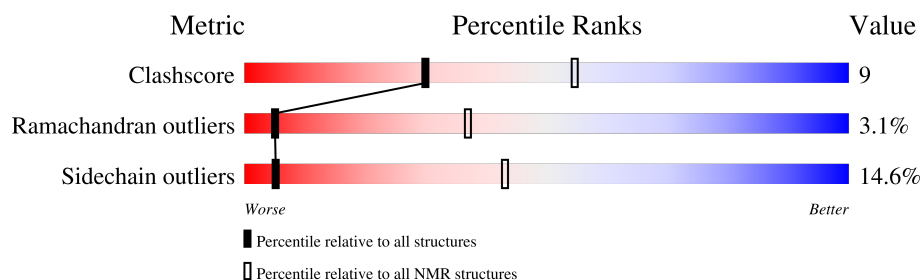
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 63%.

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 $\leq 5\%$.

Mol	Chain	Length	Quality of chain
1	A	85	 67% 29% ..

2 Ensemble composition and analysis

This entry contains 20 models. Model 2 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *target function*.

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:482-A:564 (83)	0.28	2

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

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

The models can be grouped into 5 clusters and 2 single-model clusters were found.

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

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 1321 atoms, of which 662 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called ATP-dependent RNA helicase DeaD.

Mol	Chain	Residues	Atoms						Trace
1	A	85	Total	C	H	N	O	S	0
			1321	410	662	120	124	5	

There are 2 discrepancies between the modelled and reference sequences:

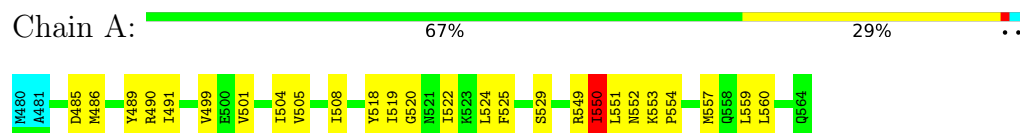
Chain	Residue	Modelled	Actual	Comment	Reference
A	480	MET	-	expression tag	UNP P0A9P6
A	481	ALA	-	expression tag	UNP P0A9P6

4 Residue-property plots [i](#)

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: ATP-dependent RNA helicase DeaD

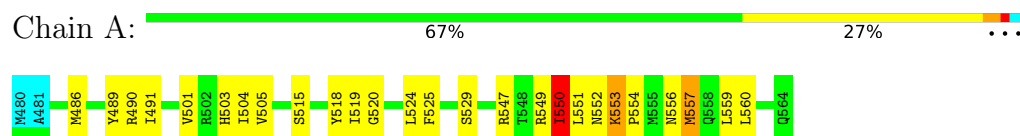


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

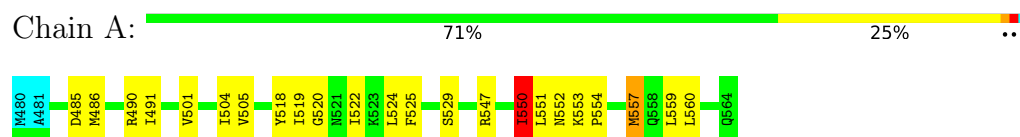
4.2.1 Score per residue for model 1

- Molecule 1: ATP-dependent RNA helicase DeaD



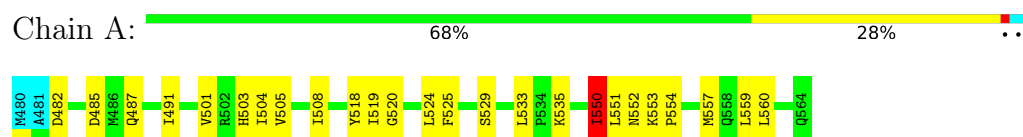
4.2.2 Score per residue for model 2 (medoid)

- Molecule 1: ATP-dependent RNA helicase DeaD



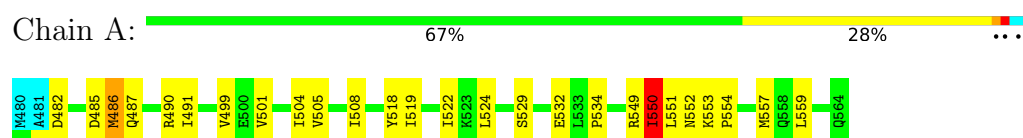
4.2.3 Score per residue for model 3

- Molecule 1: ATP-dependent RNA helicase DeaD



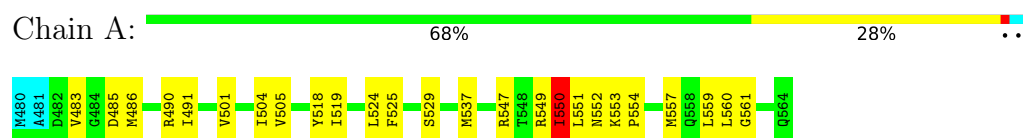
4.2.4 Score per residue for model 4

- Molecule 1: ATP-dependent RNA helicase DeaD



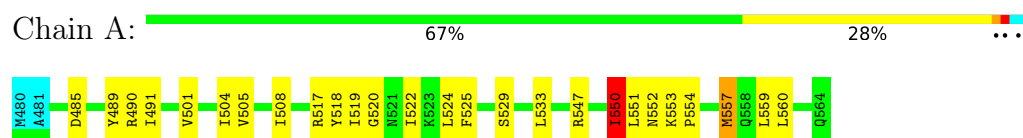
4.2.5 Score per residue for model 5

- Molecule 1: ATP-dependent RNA helicase DeaD



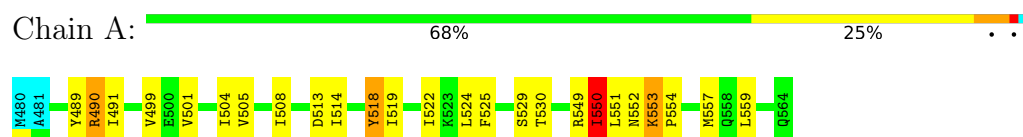
4.2.6 Score per residue for model 6

- Molecule 1: ATP-dependent RNA helicase DeaD



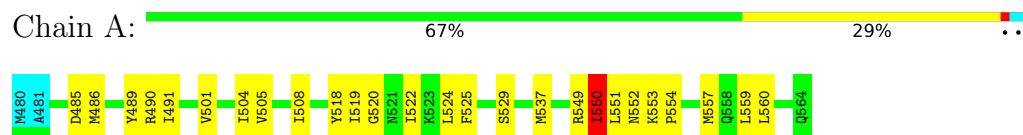
4.2.7 Score per residue for model 7

- Molecule 1: ATP-dependent RNA helicase DeaD



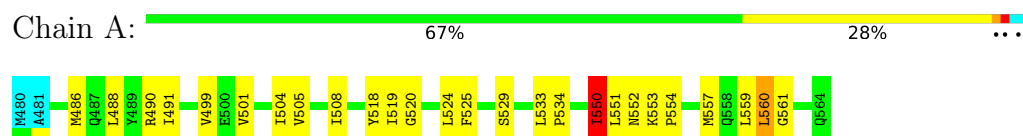
4.2.8 Score per residue for model 8

- Molecule 1: ATP-dependent RNA helicase DeaD



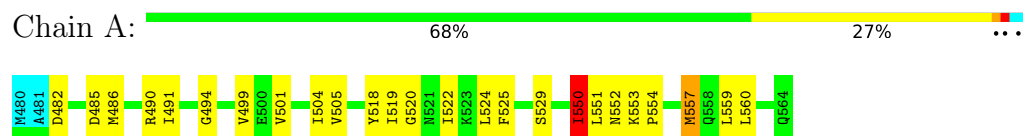
4.2.9 Score per residue for model 9

- Molecule 1: ATP-dependent RNA helicase DeaD



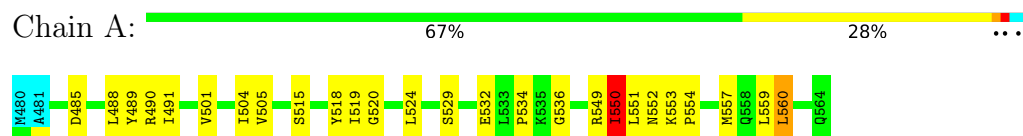
4.2.10 Score per residue for model 10

- Molecule 1: ATP-dependent RNA helicase DeaD



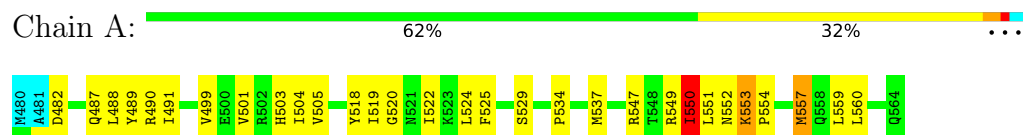
4.2.11 Score per residue for model 11

- Molecule 1: ATP-dependent RNA helicase DeaD



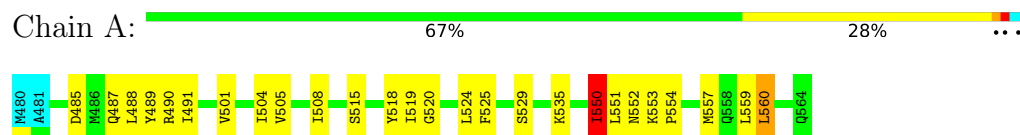
4.2.12 Score per residue for model 12

- Molecule 1: ATP-dependent RNA helicase DeaD



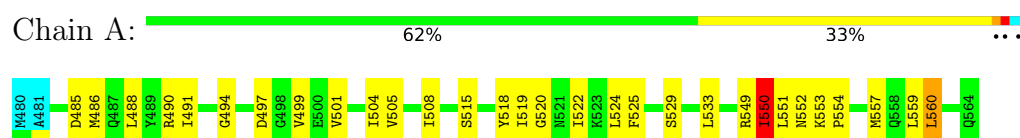
4.2.13 Score per residue for model 13

- Molecule 1: ATP-dependent RNA helicase DeaD



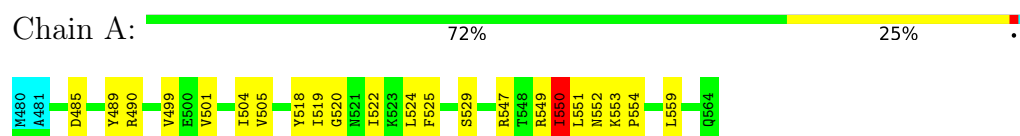
4.2.14 Score per residue for model 14

- Molecule 1: ATP-dependent RNA helicase DeaD



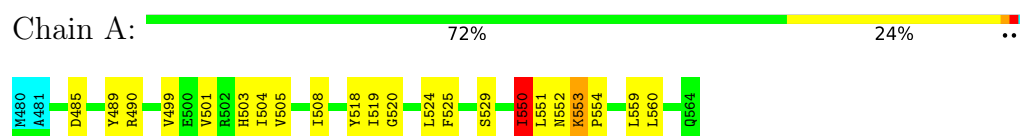
4.2.15 Score per residue for model 15

- Molecule 1: ATP-dependent RNA helicase DeaD



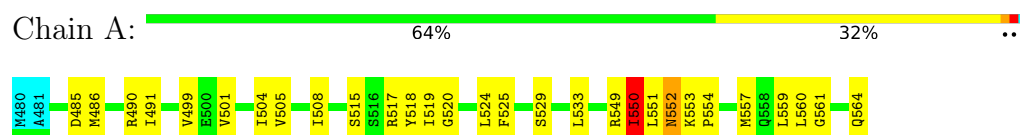
4.2.16 Score per residue for model 16

- Molecule 1: ATP-dependent RNA helicase DeaD



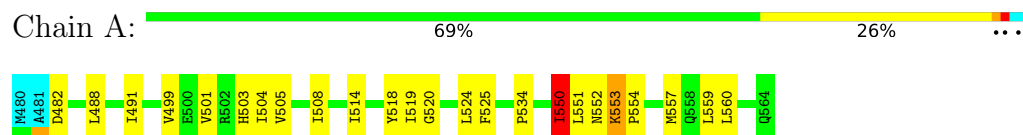
4.2.17 Score per residue for model 17

- Molecule 1: ATP-dependent RNA helicase DeaD



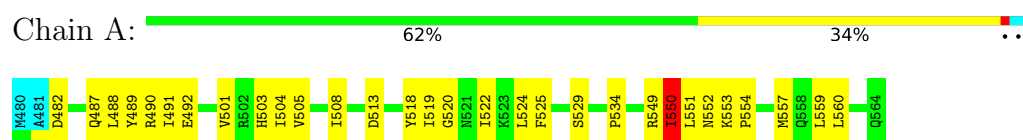
4.2.18 Score per residue for model 18

- Molecule 1: ATP-dependent RNA helicase DeaD



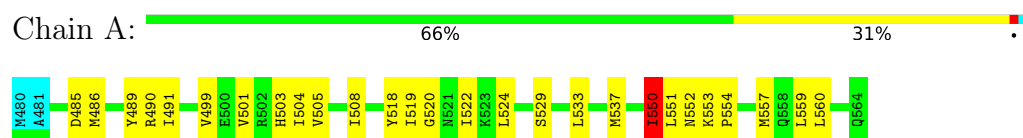
4.2.19 Score per residue for model 19

- Molecule 1: ATP-dependent RNA helicase DeaD



4.2.20 Score per residue for model 20

- Molecule 1: ATP-dependent RNA helicase DeaD



5 Refinement protocol and experimental data overview

The models were refined using the following method: *torsion angle dynamics*.

Of the 100 calculated structures, 20 were deposited, based on the following criterion: *target function*.

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

Software name	Classification	Version
CYANA	refinement	3.0

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	714
Number of shifts mapped to atoms	714
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	63%

6 Model quality

6.1 Standard geometry

There are no covalent bond-length or bond-angle outliers.

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

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	646	648	648	12±2
All	All	12920	12960	12960	236

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 9.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:488:LEU:HD23	1:A:560:LEU:HD21	0.62	1.70	18	7
1:A:505:VAL:HG13	1:A:519:ILE:CD1	0.61	2.25	17	20
1:A:486:MET:HE3	1:A:532:GLU:OE1	0.61	1.94	4	1
1:A:503:HIS:CE1	1:A:551:LEU:HD11	0.60	2.31	18	5
1:A:508:ILE:HD13	1:A:533:LEU:HD11	0.56	1.75	9	6
1:A:508:ILE:HD11	1:A:519:ILE:HD11	0.56	1.77	13	6
1:A:505:VAL:HG13	1:A:519:ILE:HD13	0.55	1.79	7	11
1:A:499:VAL:HG23	1:A:551:LEU:HD13	0.55	1.77	12	7
1:A:489:TYR:CE2	1:A:559:LEU:HD23	0.53	2.39	13	1
1:A:491:ILE:HG22	1:A:557:MET:HB3	0.53	1.80	18	18
1:A:501:VAL:HG22	1:A:524:LEU:HB2	0.50	1.82	5	20
1:A:487:GLN:OE1	1:A:559:LEU:HD11	0.50	2.06	19	3
1:A:499:VAL:HG13	1:A:524:LEU:HD21	0.48	1.83	17	2
1:A:550:ILE:HG23	1:A:552:ASN:H	0.48	1.69	9	20

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:519:ILE:CG2	1:A:522:ILE:HD11	0.48	2.39	4	11
1:A:559:LEU:C	1:A:559:LEU:HD13	0.47	2.34	1	19
1:A:508:ILE:HD11	1:A:519:ILE:CD1	0.47	2.39	17	4
1:A:550:ILE:O	1:A:551:LEU:C	0.47	2.57	13	20
1:A:553:LYS:HB3	1:A:554:PRO:HD2	0.47	1.87	8	20
1:A:488:LEU:HD23	1:A:560:LEU:HD11	0.46	1.88	13	1
1:A:557:MET:HE3	1:A:557:MET:O	0.46	2.10	18	1
1:A:487:GLN:OE1	1:A:559:LEU:HD21	0.46	2.11	12	1
1:A:487:GLN:CD	1:A:559:LEU:HD21	0.45	2.35	3	1
1:A:524:LEU:HD13	1:A:524:LEU:C	0.44	2.38	17	20
1:A:487:GLN:NE2	1:A:559:LEU:HD21	0.43	2.29	13	1
1:A:494:GLY:C	1:A:499:VAL:HG12	0.42	2.39	14	2
1:A:490:ARG:HB3	1:A:530:THR:HG22	0.42	1.91	7	1
1:A:487:GLN:NE2	1:A:559:LEU:HD11	0.42	2.29	13	1
1:A:559:LEU:HD11	1:A:561:GLY:O	0.41	2.15	17	3
1:A:508:ILE:CD1	1:A:514:ILE:HG21	0.41	2.46	7	2
1:A:486:MET:HE3	1:A:532:GLU:CD	0.40	2.42	4	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	82/85 (96%)	63±2 (76±2%)	17±2 (21±2%)	3±1 (3±1%)	5	37
All	All	1640/1700 (96%)	1252 (76%)	337 (21%)	51 (3%)	5	37

All 4 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	550	ILE	20
1	A	520	GLY	17
1	A	485	ASP	13
1	A	483	VAL	1

6.3.2 Protein sidechains ⓘ

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	70/71 (99%)	60±2 (85±3%)	10±2 (15±3%)	5	43
All	All	1400/1420 (99%)	1196 (85%)	204 (15%)	5	43

All 27 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	504	ILE	20
1	A	550	ILE	20
1	A	518	TYR	19
1	A	529	SER	19
1	A	490	ARG	18
1	A	525	PHE	17
1	A	560	LEU	14
1	A	549	ARG	11
1	A	486	MET	10
1	A	489	TYR	10
1	A	547	ARG	6
1	A	482	ASP	6
1	A	515	SER	5
1	A	553	LYS	5
1	A	557	MET	5
1	A	537	MET	4
1	A	503	HIS	2
1	A	535	LYS	2
1	A	517	ARG	2
1	A	513	ASP	2
1	A	556	ASN	1
1	A	485	ASP	1
1	A	532	GLU	1
1	A	497	ASP	1
1	A	552	ASN	1
1	A	564	GLN	1
1	A	492	GLU	1

6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

6.4 Non-standard residues in protein, DNA, RNA chains [i](#)

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

6.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.6 Ligand geometry [i](#)

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 63% for the well-defined parts and 61% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list*

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	714
Number of shifts mapped to atoms	714
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	83	-0.04 ± 0.13	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	74	-0.17 ± 0.13	None needed (< 0.5 ppm)
$^{13}\text{C}'$	0	—	None (insufficient data)
^{15}N	80	0.36 ± 0.29	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 63%, i.e. 714 atoms were assigned a chemical shift out of a possible 1140. 0 out of 13 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	329/418 (79%)	166/172 (97%)	83/166 (50%)	80/80 (100%)
Sidechain	385/663 (58%)	224/431 (52%)	161/203 (79%)	0/29 (0%)

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	Total	¹ H	¹³ C	¹⁵ N
Aromatic	0/59 (0%)	0/30 (0%)	0/26 (0%)	0/3 (0%)
Overall	714/1140 (63%)	390/633 (62%)	244/395 (62%)	80/112 (71%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 61%, i.e. 714 atoms were assigned a chemical shift out of a possible 1164. 0 out of 13 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	329/428 (77%)	166/176 (94%)	83/170 (49%)	80/82 (98%)
Sidechain	385/677 (57%)	224/441 (51%)	161/207 (78%)	0/29 (0%)
Aromatic	0/59 (0%)	0/30 (0%)	0/26 (0%)	0/3 (0%)
Overall	714/1164 (61%)	390/647 (60%)	244/403 (61%)	80/114 (70%)

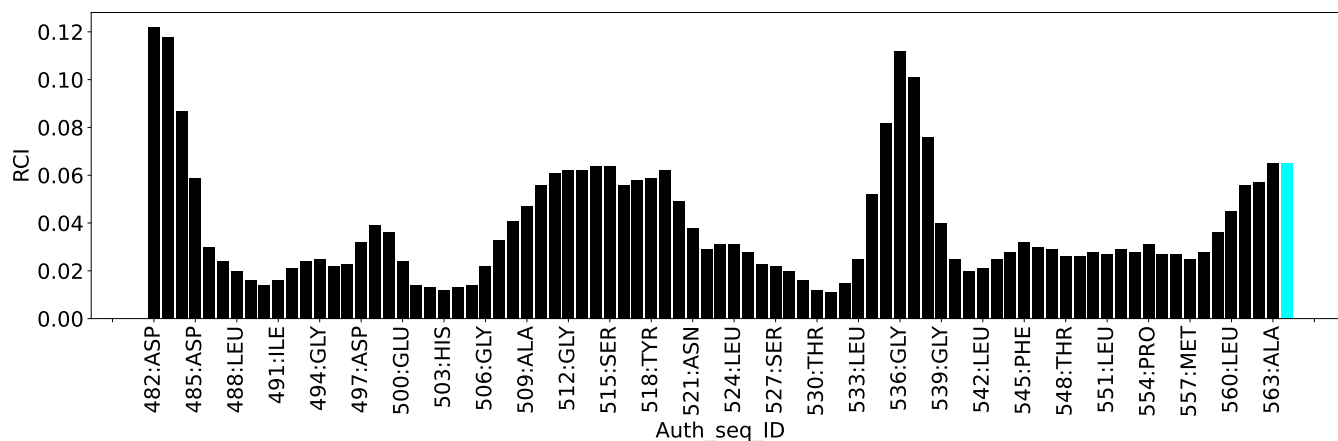
7.1.4 Statistically unusual chemical shifts [i](#)

There are no statistically unusual chemical shifts.

7.1.5 Random Coil Index (RCI) plots [i](#)

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

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	1163
Intra-residue ($ i-j =0$)	302
Sequential ($ i-j =1$)	342
Medium range ($ i-j >1$ and $ i-j <5$)	172
Long range ($ i-j \geq 5$)	347
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	96
Number of unmapped restraints	0
Number of restraints per residue	14.8
Number of long range restraints per residue ¹	4.1

¹Long 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)	37.2	0.2
0.2-0.5 (Medium)	75.8	0.5
>0.5 (Large)	184.9	12.59

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

Dihedral-angle violations less than 1° are not included in the calculation.

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	7.2	2.88
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis ⓘ

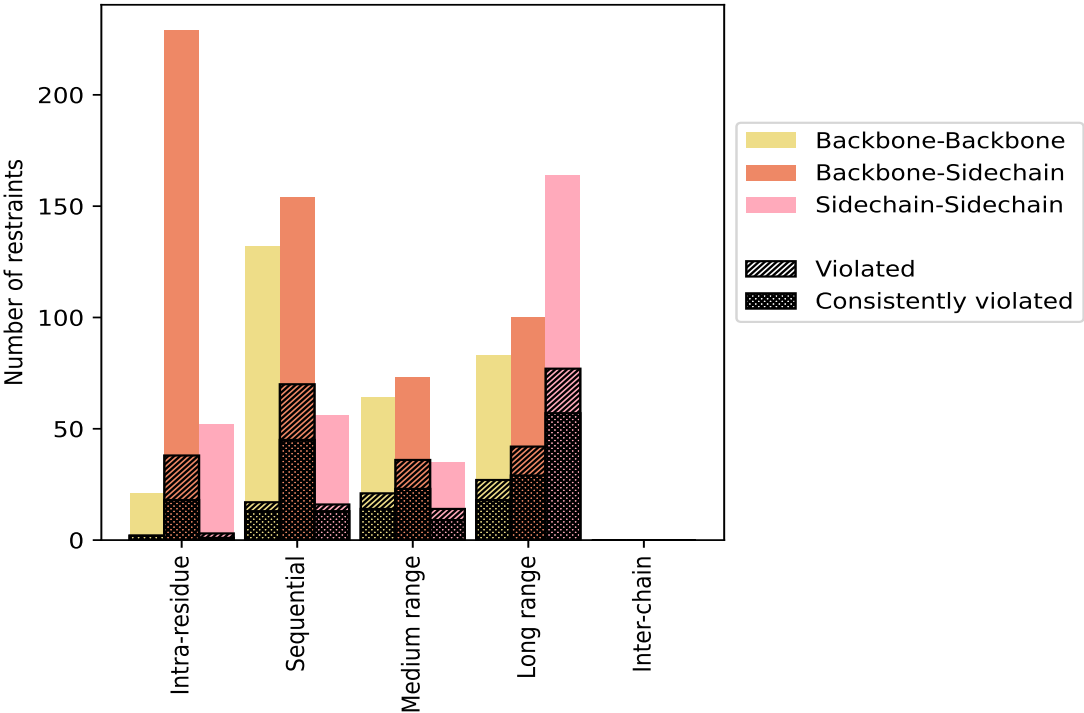
9.1 Summary of distance violations ⓘ

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.

Restrains type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue (i-j =0)	302	26.0	43	14.2	3.7	21	7.0	1.8
Backbone-Backbone	21	1.8	2	9.5	0.2	2	9.5	0.2
Backbone-Sidechain	229	19.7	38	16.6	3.3	18	7.9	1.5
Sidechain-Sidechain	52	4.5	3	5.8	0.3	1	1.9	0.1
Sequential (i-j =1)	342	29.4	103	30.1	8.9	71	20.8	6.1
Backbone-Backbone	132	11.3	17	12.9	1.5	13	9.8	1.1
Backbone-Sidechain	154	13.2	70	45.5	6.0	45	29.2	3.9
Sidechain-Sidechain	56	4.8	16	28.6	1.4	13	23.2	1.1
Medium range (i-j >1 & i-j <5)	172	14.8	71	41.3	6.1	46	26.7	4.0
Backbone-Backbone	64	5.5	21	32.8	1.8	14	21.9	1.2
Backbone-Sidechain	73	6.3	36	49.3	3.1	23	31.5	2.0
Sidechain-Sidechain	35	3.0	14	40.0	1.2	9	25.7	0.8
Long range (i-j ≥5)	347	29.8	146	42.1	12.6	104	30.0	8.9
Backbone-Backbone	83	7.1	27	32.5	2.3	18	21.7	1.5
Backbone-Sidechain	100	8.6	42	42.0	3.6	29	29.0	2.5
Sidechain-Sidechain	164	14.1	77	47.0	6.6	57	34.8	4.9
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	1163	100.0	363	31.2	31.2	242	20.8	20.8
Backbone-Backbone	300	25.8	67	22.3	5.8	47	15.7	4.0
Backbone-Sidechain	556	47.8	186	33.5	16.0	115	20.7	9.9
Sidechain-Sidechain	307	26.4	110	35.8	9.5	80	26.1	6.9

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 [i](#)



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 [i](#)

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
1	30	91	58	124	0	303	1.38	11.84	1.62	0.71
2	33	89	57	124	0	303	1.37	12.41	1.69	0.67
3	29	89	54	123	0	295	1.37	12.59	1.7	0.67
4	32	88	58	123	0	301	1.37	12.21	1.71	0.71
5	31	87	54	124	0	296	1.38	12.34	1.71	0.71
6	35	89	57	121	0	302	1.37	12.5	1.69	0.67
7	30	85	57	129	0	301	1.37	11.5	1.67	0.72
8	32	89	58	122	0	301	1.39	11.28	1.66	0.72
9	30	87	56	122	0	295	1.37	12.09	1.68	0.67
10	32	87	55	120	0	294	1.4	12.08	1.69	0.72

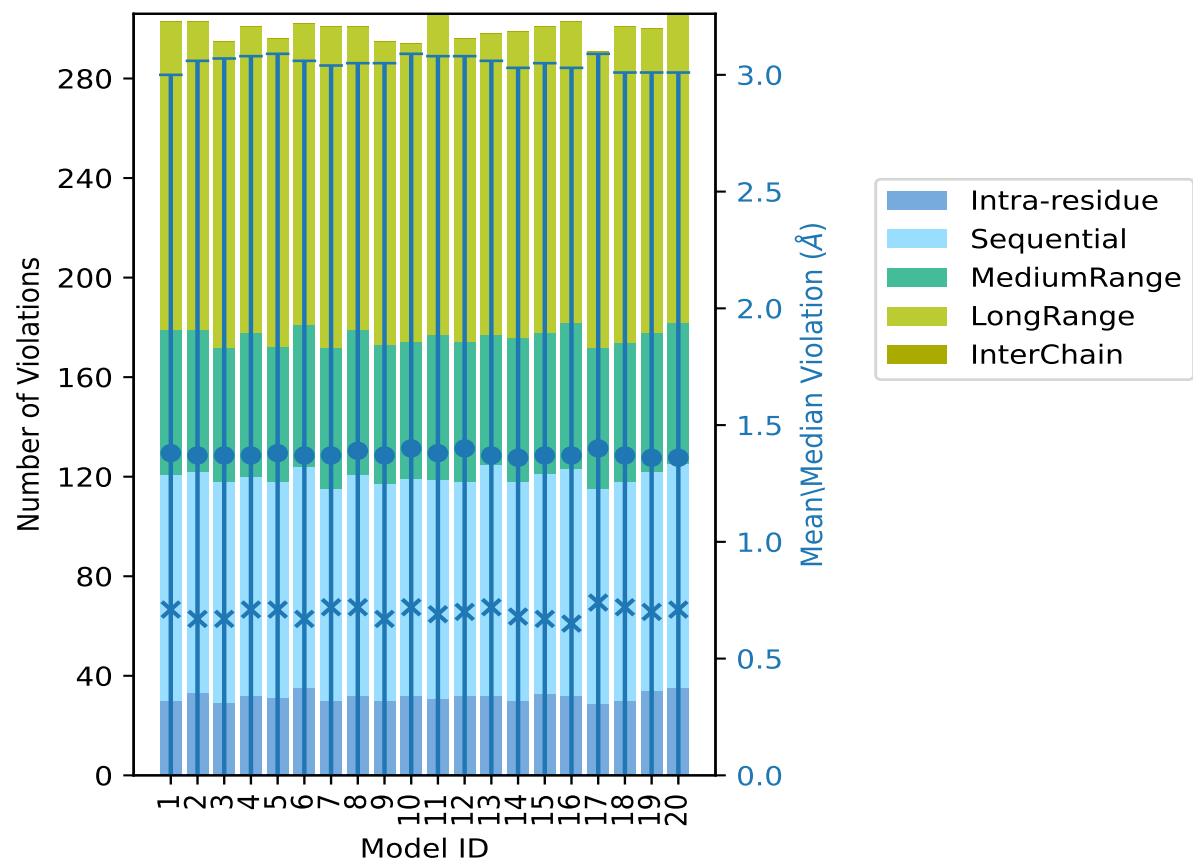
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	31	88	58	129	0	306	1.38	11.91	1.7	0.69
12	32	86	56	122	0	296	1.4	12.02	1.68	0.7
13	32	93	52	121	0	298	1.37	12.17	1.69	0.72
14	30	88	58	123	0	299	1.36	11.22	1.67	0.68
15	33	88	57	123	0	301	1.37	12.0	1.68	0.67
16	32	91	59	121	0	303	1.37	11.74	1.66	0.65
17	29	86	57	119	0	291	1.4	11.78	1.69	0.74
18	30	88	56	127	0	301	1.37	11.53	1.64	0.72
19	34	88	56	122	0	300	1.36	11.87	1.65	0.7
20	35	90	57	124	0	306	1.36	11.69	1.65	0.71

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

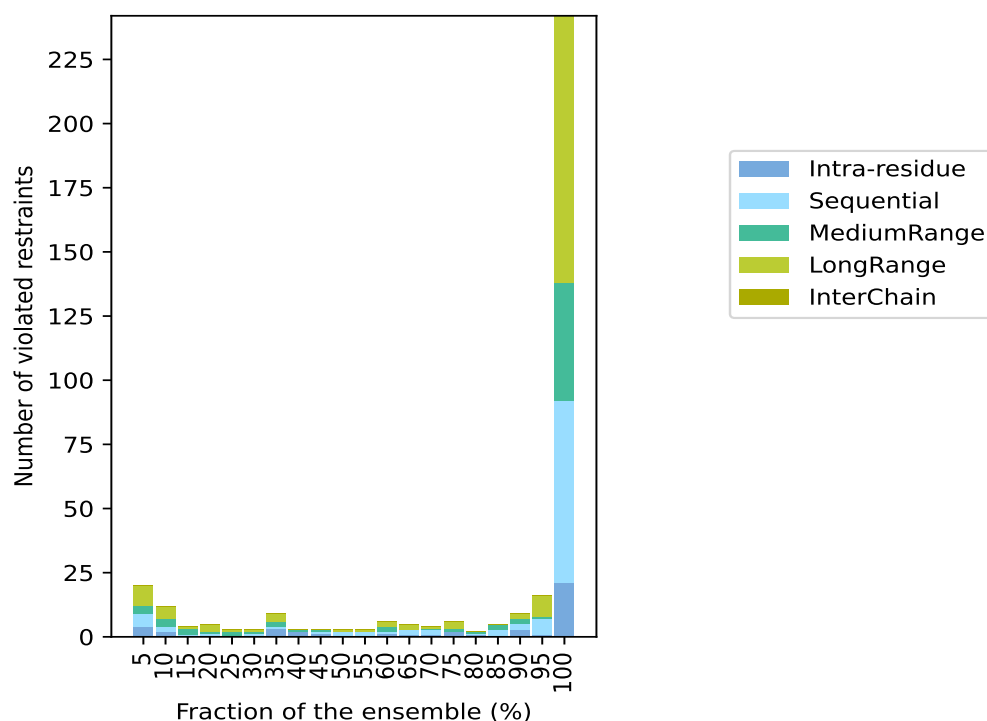
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 800(IR:259, SQ:239, MR:101, LR:201, IC:0) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total	Count ⁶	%
4	5	3	8	0	20	1	5.0
2	2	3	5	0	12	2	10.0
0	1	2	1	0	4	3	15.0
0	1	1	3	0	5	4	20.0
0	0	2	1	0	3	5	25.0
0	1	1	1	0	3	6	30.0
3	1	2	3	0	9	7	35.0
2	0	1	0	0	3	8	40.0
1	1	1	0	0	3	9	45.0
0	2	0	1	0	3	10	50.0
0	2	0	1	0	3	11	55.0
1	1	2	2	0	6	12	60.0
1	2	0	2	0	5	13	65.0
1	2	0	1	0	4	14	70.0
2	0	1	3	0	6	15	75.0
1	0	1	0	0	2	16	80.0
0	3	2	0	0	5	17	85.0
3	2	2	2	0	9	18	90.0
1	6	1	8	0	16	19	95.0
21	71	46	104	0	242	20	100.0

¹Intra-residue restraints, ²Sequential restraints, ³Medium range restraints, ⁴Long range restraints,

⁵Inter-chain restraints, ⁶ Number of models with violations

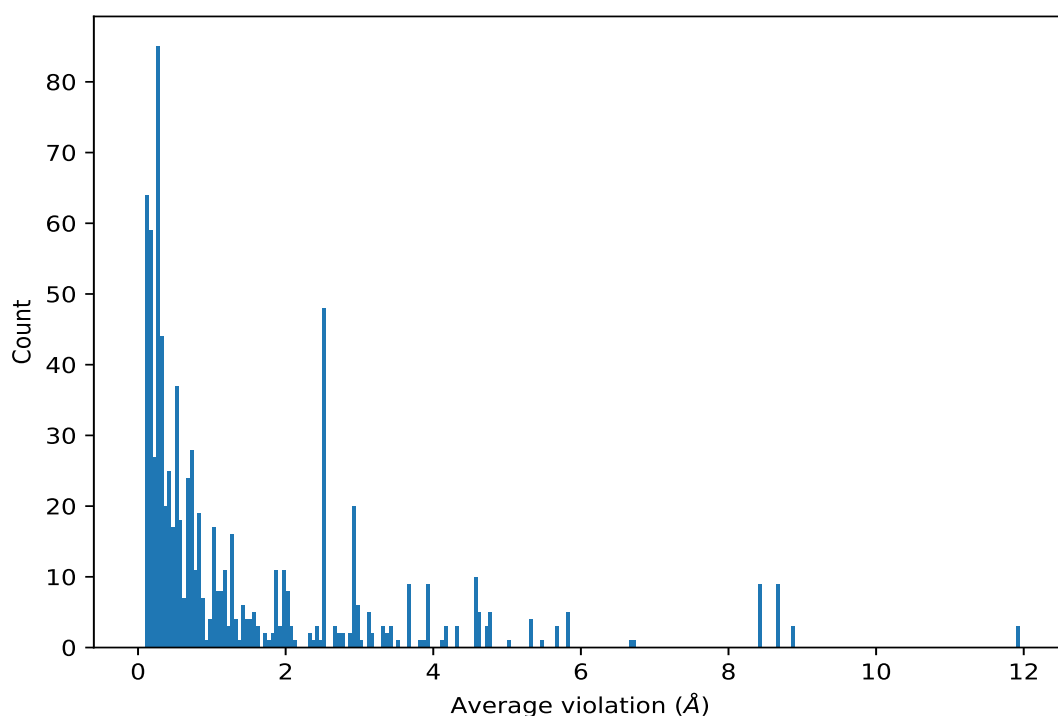
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



9.4 Most violated distance restraints in the ensemble [i](#)

9.4.1 Histogram : Distribution of mean distance violations [i](#)

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 the violation 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)
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG21	20	11.94	0.37	11.96
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG22	20	11.94	0.37	11.96
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG23	20	11.94	0.37	11.96
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG21	20	8.86	0.58	8.98
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG22	20	8.86	0.58	8.98
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG23	20	8.86	0.58	8.98
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG21	20	8.69	0.59	8.83
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG22	20	8.69	0.59	8.83
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG23	20	8.69	0.59	8.83
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG21	20	8.69	0.59	8.83
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG22	20	8.69	0.59	8.83
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG23	20	8.69	0.59	8.83
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG21	20	8.69	0.59	8.83
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG22	20	8.69	0.59	8.83
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG23	20	8.69	0.59	8.83
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG21	20	8.42	0.31	8.43

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG22	20	8.42	0.31	8.43
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG23	20	8.42	0.31	8.43
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG21	20	8.42	0.31	8.43
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG22	20	8.42	0.31	8.43
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG23	20	8.42	0.31	8.43
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG21	20	8.42	0.31	8.43
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG22	20	8.42	0.31	8.43
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG23	20	8.42	0.31	8.43
(1,610)	1:549:A:ARG:HD2	1:552:A:ASN:HA	20	6.73	0.14	6.76
(1,880)	1:549:A:ARG:HD3	1:552:A:ASN:HA	20	6.65	0.03	6.64
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB2	20	5.84	0.39	5.88
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB3	20	5.84	0.39	5.88
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG11	20	5.83	0.3	5.85
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG12	20	5.83	0.3	5.85
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG13	20	5.83	0.3	5.85
(1,72)	1:488:A:LEU:HD11	1:563:A:ALA:H	20	5.67	0.16	5.64
(1,72)	1:488:A:LEU:HD12	1:563:A:ALA:H	20	5.67	0.16	5.64
(1,72)	1:488:A:LEU:HD13	1:563:A:ALA:H	20	5.67	0.16	5.64
(1,840)	1:487:A:GLN:HG2	1:535:A:LYS:HB2	20	5.49	0.21	5.51
(1,959)	1:487:A:GLN:HG2	1:535:A:LYS:HA	20	5.34	0.31	5.32
(1,959)	1:487:A:GLN:HG3	1:535:A:LYS:HA	20	5.34	0.31	5.32
(1,960)	1:487:A:GLN:HG2	1:535:A:LYS:HB3	20	5.33	0.33	5.3
(1,960)	1:487:A:GLN:HG3	1:535:A:LYS:HB3	20	5.33	0.33	5.3
(1,283)	1:486:A:MET:H	1:535:A:LYS:HG2	20	5.04	0.13	5.01
(1,825)	1:549:A:ARG:HB2	1:552:A:ASN:HA	20	4.77	0.06	4.78
(1,234)	1:538:A:PRO:HG2	1:541:A:VAL:H	20	4.76	0.23	4.77
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD11	20	4.76	0.1	4.76
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD12	20	4.76	0.1	4.76
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD13	20	4.76	0.1	4.76
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB1	20	4.73	0.17	4.74
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB2	20	4.73	0.17	4.74
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB3	20	4.73	0.17	4.74
(1,787)	1:487:A:GLN:HG2	1:535:A:LYS:HA	20	4.63	0.31	4.61
(1,787)	1:487:A:GLN:HG3	1:535:A:LYS:HA	20	4.63	0.31	4.61
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB1	20	4.61	0.24	4.59
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB2	20	4.61	0.24	4.59
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB3	20	4.61	0.24	4.59
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG21	20	4.58	0.23	4.59
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG22	20	4.58	0.23	4.59
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG23	20	4.58	0.23	4.59
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG21	20	4.58	0.23	4.59
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG22	20	4.58	0.23	4.59

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG23	20	4.58	0.23	4.59
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG21	20	4.58	0.23	4.59
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG22	20	4.58	0.23	4.59
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG23	20	4.58	0.23	4.59
(1,506)	1:491:A:ILE:HG12	1:555:A:MET:HG2	20	4.55	0.16	4.5
(1,510)	1:488:A:LEU:HD11	1:563:A:ALA:HA	20	4.34	0.15	4.34
(1,510)	1:488:A:LEU:HD12	1:563:A:ALA:HA	20	4.34	0.15	4.34
(1,510)	1:488:A:LEU:HD13	1:563:A:ALA:HA	20	4.34	0.15	4.34
(1,568)	1:483:A:VAL:HG11	1:535:A:LYS:HG3	20	4.18	0.39	4.12
(1,568)	1:483:A:VAL:HG12	1:535:A:LYS:HG3	20	4.18	0.39	4.12
(1,568)	1:483:A:VAL:HG13	1:535:A:LYS:HG3	20	4.18	0.39	4.12
(1,535)	1:538:A:PRO:HG2	1:540:A:GLU:HB2	20	4.12	0.09	4.14
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD11	20	3.91	0.14	3.89
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD12	20	3.91	0.14	3.89
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD13	20	3.91	0.14	3.89
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD11	20	3.91	0.14	3.89
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD12	20	3.91	0.14	3.89
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD13	20	3.91	0.14	3.89
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD11	20	3.91	0.14	3.89
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD12	20	3.91	0.14	3.89
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD13	20	3.91	0.14	3.89
(1,181)	1:487:A:GLN:H	1:535:A:LYS:HA	20	3.9	0.08	3.91
(1,797)	1:487:A:GLN:HG3	1:535:A:LYS:HB2	20	3.83	0.46	3.77
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB1	20	3.69	0.14	3.68
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB2	20	3.69	0.14	3.68
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB3	20	3.69	0.14	3.68
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD11	20	3.68	0.22	3.74
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD12	20	3.68	0.22	3.74
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD13	20	3.68	0.22	3.74
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD21	20	3.68	0.22	3.74
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD22	20	3.68	0.22	3.74
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD23	20	3.68	0.22	3.74
(1,463)	1:549:A:ARG:HB2	1:552:A:ASN:H	20	3.52	0.06	3.53
(1,957)	1:487:A:GLN:HB2	1:535:A:LYS:HB2	20	3.44	0.18	3.46
(1,957)	1:487:A:GLN:HB3	1:535:A:LYS:HB2	20	3.44	0.18	3.46
(1,52)	1:488:A:LEU:H	1:563:A:ALA:H	20	3.44	0.2	3.54
(1,1132)	1:549:A:ARG:HD2	1:552:A:ASN:HB3	20	3.38	0.08	3.38
(1,1132)	1:549:A:ARG:HD3	1:552:A:ASN:HB3	20	3.38	0.08	3.38
(1,686)	1:483:A:VAL:HG11	1:535:A:LYS:HG2	20	3.34	0.4	3.28
(1,686)	1:483:A:VAL:HG12	1:535:A:LYS:HG2	20	3.34	0.4	3.28
(1,686)	1:483:A:VAL:HG13	1:535:A:LYS:HG2	20	3.34	0.4	3.28
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB2	20	3.16	0.17	3.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB3	20	3.16	0.17	3.16
(1,631)	1:549:A:ARG:HA	1:554:A:PRO:HA	20	3.14	0.04	3.13
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG21	20	3.11	0.52	2.82
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG22	20	3.11	0.52	2.82
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG23	20	3.11	0.52	2.82
(1,550)	1:508:A:ILE:HG12	1:514:A:ILE:HG13	20	3.11	0.14	3.09
(1,431)	1:542:A:LEU:HG	1:546:A:THR:H	20	3.02	0.54	2.75
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB2	20	2.96	0.29	2.89
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB3	20	2.96	0.29	2.89
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB2	20	2.96	0.29	2.89
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB3	20	2.96	0.29	2.89
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB2	20	2.96	0.29	2.89
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB3	20	2.96	0.29	2.89
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG2	20	2.94	0.09	2.94
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG3	20	2.94	0.09	2.94
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD11	20	2.94	0.14	2.95
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD12	20	2.94	0.14	2.95
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD13	20	2.94	0.14	2.95
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD21	20	2.94	0.14	2.95
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD22	20	2.94	0.14	2.95
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD23	20	2.94	0.14	2.95
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD11	20	2.94	0.14	2.95
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD12	20	2.94	0.14	2.95
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD13	20	2.94	0.14	2.95
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD21	20	2.94	0.14	2.95
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD22	20	2.94	0.14	2.95
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD23	20	2.94	0.14	2.95
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD11	20	2.94	0.14	2.95
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD12	20	2.94	0.14	2.95
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD13	20	2.94	0.14	2.95
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD21	20	2.94	0.14	2.95
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD22	20	2.94	0.14	2.95
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD23	20	2.94	0.14	2.95
(1,709)	1:491:A:ILE:HA	1:555:A:MET:HG2	20	2.87	0.14	2.85
(1,147)	1:549:A:ARG:HB2	1:553:A:LYS:H	20	2.86	0.05	2.88
(1,98)	1:487:A:GLN:H	1:535:A:LYS:H	20	2.78	0.1	2.8
(1,849)	1:549:A:ARG:HB2	1:554:A:PRO:HB3	20	2.76	0.03	2.77
(1,559)	1:508:A:ILE:HG13	1:514:A:ILE:HG13	20	2.71	0.1	2.71
(1,107)	1:486:A:MET:HA	1:535:A:LYS:H	20	2.7	0.15	2.73
(1,508)	1:485:A:ASP:HB2	1:537:A:MET:HB3	20	2.69	0.02	2.7
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD11	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD12	20	2.55	0.16	2.61

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD13	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD21	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD22	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD23	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD11	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD12	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD13	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD21	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD22	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD23	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD11	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD12	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD13	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD21	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD22	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD23	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD11	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD12	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD13	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD21	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD22	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD23	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD11	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD12	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD13	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD21	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD22	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD23	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD11	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD12	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD13	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD21	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD22	20	2.55	0.16	2.61
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD23	20	2.55	0.16	2.61
(1,240)	1:485:A:ASP:H	1:535:A:LYS:HG2	20	2.54	0.08	2.52
(1,715)	1:504:A:ILE:HB	1:522:A:ILE:HB	20	2.53	0.17	2.52
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG12	20	2.51	0.15	2.5
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG13	20	2.51	0.15	2.5
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG12	20	2.51	0.15	2.5
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG13	20	2.51	0.15	2.5
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG12	20	2.51	0.15	2.5
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG13	20	2.51	0.15	2.5

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,712)	1:491:A:ILE:HG21	1:555:A:MET:HG2	20	2.51	0.15	2.5
(1,712)	1:491:A:ILE:HG22	1:555:A:MET:HG2	20	2.51	0.15	2.5
(1,712)	1:491:A:ILE:HG23	1:555:A:MET:HG2	20	2.51	0.15	2.5
(1,759)	1:492:A:GLU:HG3	1:556:A:ASN:HB2	20	2.5	0.29	2.51
(1,81)	1:561:A:GLY:H	1:563:A:ALA:H	20	2.47	0.24	2.62
(1,684)	1:483:A:VAL:HG21	1:538:A:PRO:HD2	20	2.42	0.49	2.56
(1,684)	1:483:A:VAL:HG22	1:538:A:PRO:HD2	20	2.42	0.49	2.56
(1,684)	1:483:A:VAL:HG23	1:538:A:PRO:HD2	20	2.42	0.49	2.56
(1,452)	1:534:A:PRO:HA	1:536:A:GLY:H	20	2.38	0.05	2.38
(1,231)	1:538:A:PRO:HB2	1:541:A:VAL:H	20	2.34	0.27	2.32
(1,61)	1:561:A:GLY:HA2	1:563:A:ALA:H	20	2.31	0.1	2.36
(1,84)	1:487:A:GLN:HA	1:563:A:ALA:H	20	2.14	0.14	2.14
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB3	20	2.06	0.17	2.0
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB2	20	2.06	0.17	2.0
(1,203)	1:550:A:ILE:H	1:554:A:PRO:HA	20	2.06	0.02	2.05
(1,434)	1:542:A:LEU:HD21	1:546:A:THR:H	20	2.05	0.51	2.22
(1,434)	1:542:A:LEU:HD22	1:546:A:THR:H	20	2.05	0.51	2.22
(1,434)	1:542:A:LEU:HD23	1:546:A:THR:H	20	2.05	0.51	2.22
(1,754)	1:492:A:GLU:HG2	1:556:A:ASN:HB2	20	2.05	0.45	2.02
(1,177)	1:487:A:GLN:H	1:534:A:PRO:HA	20	2.04	0.15	2.06
(1,605)	1:542:A:LEU:HD21	1:543:A:GLN:HA	20	2.02	0.11	2.03
(1,605)	1:542:A:LEU:HD22	1:543:A:GLN:HA	20	2.02	0.11	2.03
(1,605)	1:542:A:LEU:HD23	1:543:A:GLN:HA	20	2.02	0.11	2.03
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD11	20	1.99	0.04	1.98
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD12	20	1.99	0.04	1.98
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD13	20	1.99	0.04	1.98
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD11	20	1.99	0.04	1.98
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD12	20	1.99	0.04	1.98
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD13	20	1.99	0.04	1.98
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD11	20	1.99	0.04	1.98
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD12	20	1.99	0.04	1.98
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD13	20	1.99	0.04	1.98
(1,988)	1:492:A:GLU:HG2	1:556:A:ASN:HA	20	1.97	0.2	2.02
(1,988)	1:492:A:GLU:HG3	1:556:A:ASN:HA	20	1.97	0.2	2.02
(1,805)	1:491:A:ILE:HD11	1:555:A:MET:HG2	20	1.95	0.16	1.94
(1,805)	1:491:A:ILE:HD12	1:555:A:MET:HG2	20	1.95	0.16	1.94
(1,805)	1:491:A:ILE:HD13	1:555:A:MET:HG2	20	1.95	0.16	1.94
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB1	20	1.9	0.15	1.88
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB2	20	1.9	0.15	1.88
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB3	20	1.9	0.15	1.88
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG2	20	1.86	0.23	1.77
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG3	20	1.86	0.23	1.77

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG2	20	1.86	0.23	1.77
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG3	20	1.86	0.23	1.77
(1,866)	1:485:A:ASP:HB3	1:537:A:MET:HB2	20	1.86	0.09	1.86
(1,615)	1:501:A:VAL:HG21	1:522:A:ILE:HG12	20	1.85	0.06	1.87
(1,615)	1:501:A:VAL:HG22	1:522:A:ILE:HG12	20	1.85	0.06	1.87
(1,615)	1:501:A:VAL:HG23	1:522:A:ILE:HG12	20	1.85	0.06	1.87
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	20	1.81	0.05	1.83
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	20	1.81	0.05	1.83
(1,238)	1:503:A:HIS:H	1:504:A:ILE:HG12	20	1.77	0.01	1.77
(1,1098)	1:534:A:PRO:HB2	1:536:A:GLY:H	20	1.73	0.07	1.72
(1,1098)	1:534:A:PRO:HB3	1:536:A:GLY:H	20	1.73	0.07	1.72
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG21	20	1.64	0.04	1.65
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG22	20	1.64	0.04	1.65
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG23	20	1.64	0.04	1.65
(1,538)	1:501:A:VAL:HA	1:504:A:ILE:HB	20	1.57	0.04	1.57
(1,202)	1:549:A:ARG:HA	1:555:A:MET:H	20	1.56	0.05	1.57
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG11	20	1.55	0.03	1.56
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG12	20	1.55	0.03	1.56
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG13	20	1.55	0.03	1.56
(1,608)	1:534:A:PRO:HA	1:535:A:LYS:HG3	20	1.54	0.17	1.6
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG2	20	1.52	0.01	1.52
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG3	20	1.52	0.01	1.52
(1,502)	1:531:A:ILE:H	1:531:A:ILE:HG12	20	1.51	0.03	1.52
(1,171)	1:562:A:ASP:H	1:563:A:ALA:H	20	1.46	0.16	1.56
(1,804)	1:491:A:ILE:HD11	1:528:A:HIS:HB3	20	1.46	0.13	1.47
(1,804)	1:491:A:ILE:HD12	1:528:A:HIS:HB3	20	1.46	0.13	1.47
(1,804)	1:491:A:ILE:HD13	1:528:A:HIS:HB3	20	1.46	0.13	1.47
(1,365)	1:542:A:LEU:HD21	1:543:A:GLN:H	20	1.44	0.26	1.61
(1,365)	1:542:A:LEU:HD22	1:543:A:GLN:H	20	1.44	0.26	1.61
(1,365)	1:542:A:LEU:HD23	1:543:A:GLN:H	20	1.44	0.26	1.61
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD11	20	1.42	0.03	1.42
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD12	20	1.42	0.03	1.42
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD13	20	1.42	0.03	1.42
(1,168)	1:535:A:LYS:HG3	1:537:A:MET:H	20	1.38	0.09	1.38
(1,580)	1:536:A:GLY:HA3	1:538:A:PRO:HD2	20	1.34	0.02	1.34
(1,398)	1:555:A:MET:HG2	1:556:A:ASN:H	20	1.32	0.16	1.36
(1,897)	1:530:A:THR:HA	1:531:A:ILE:HG12	20	1.32	0.01	1.32
(1,832)	1:490:A:ARG:HB2	1:557:A:MET:HB3	20	1.3	0.16	1.37
(1,355)	1:555:A:MET:HB3	1:557:A:MET:H	20	1.29	0.23	1.24
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG21	20	1.26	0.08	1.28
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG22	20	1.26	0.08	1.28
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG23	20	1.26	0.08	1.28

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD11	20	1.26	0.02	1.26
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD12	20	1.26	0.02	1.26
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD13	20	1.26	0.02	1.26
(1,594)	1:531:A:ILE:HD11	1:533:A:LEU:HB3	20	1.25	0.07	1.27
(1,594)	1:531:A:ILE:HD12	1:533:A:LEU:HB3	20	1.25	0.07	1.27
(1,594)	1:531:A:ILE:HD13	1:533:A:LEU:HB3	20	1.25	0.07	1.27
(1,108)	1:488:A:LEU:HA	1:533:A:LEU:H	20	1.22	0.15	1.25
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG2	20	1.22	0.02	1.21
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG3	20	1.22	0.02	1.21
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG11	20	1.19	0.04	1.19
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG12	20	1.19	0.04	1.19
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG13	20	1.19	0.04	1.19
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG11	20	1.19	0.04	1.19
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG12	20	1.19	0.04	1.19
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG13	20	1.19	0.04	1.19
(1,119)	1:485:A:ASP:HB3	1:535:A:LYS:H	20	1.17	0.04	1.17
(1,717)	1:504:A:ILE:HG21	1:505:A:VAL:HA	20	1.16	0.0	1.16
(1,717)	1:504:A:ILE:HG22	1:505:A:VAL:HA	20	1.16	0.0	1.16
(1,717)	1:504:A:ILE:HG23	1:505:A:VAL:HA	20	1.16	0.0	1.16
(1,76)	1:487:A:GLN:H	1:563:A:ALA:H	20	1.16	0.15	1.23
(1,547)	1:514:A:ILE:HG13	1:519:A:ILE:HG13	20	1.14	0.04	1.14
(1,653)	1:541:A:VAL:HG21	1:542:A:LEU:HA	20	1.13	0.01	1.13
(1,653)	1:541:A:VAL:HG22	1:542:A:LEU:HA	20	1.13	0.01	1.13
(1,653)	1:541:A:VAL:HG23	1:542:A:LEU:HA	20	1.13	0.01	1.13
(1,477)	1:560:A:LEU:HB2	1:561:A:GLY:H	20	1.1	0.03	1.12
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	20	1.1	0.05	1.12
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	20	1.1	0.05	1.12
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG11	20	1.07	0.01	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG12	20	1.07	0.01	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG13	20	1.07	0.01	1.08
(1,435)	1:491:A:ILE:HD11	1:529:A:SER:H	20	1.05	0.08	1.07
(1,435)	1:491:A:ILE:HD12	1:529:A:SER:H	20	1.05	0.08	1.07
(1,435)	1:491:A:ILE:HD13	1:529:A:SER:H	20	1.05	0.08	1.07
(1,352)	1:542:A:LEU:HA	1:545:A:PHE:H	20	1.04	0.04	1.04
(1,848)	1:549:A:ARG:HB3	1:554:A:PRO:HG3	20	1.03	0.07	1.05
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB2	20	1.03	0.07	1.05
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB3	20	1.03	0.07	1.05
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB2	20	1.03	0.07	1.05
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB3	20	1.03	0.07	1.05
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB1	20	1.02	0.13	1.0
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB2	20	1.02	0.13	1.0
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB3	20	1.02	0.13	1.0

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,833)	1:557:A:MET:HB3	1:558:A:GLN:HA	20	1.01	0.03	1.0
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD11	20	1.0	0.09	1.02
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD12	20	1.0	0.09	1.02
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD13	20	1.0	0.09	1.02
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD21	20	1.0	0.09	1.02
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD22	20	1.0	0.09	1.02
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD23	20	1.0	0.09	1.02
(1,34)	1:531:A:ILE:HB	1:532:A:GLU:H	20	1.0	0.02	0.99
(1,125)	1:535:A:LYS:H	1:535:A:LYS:HB3	20	0.98	0.0	0.98
(1,109)	1:534:A:PRO:HA	1:535:A:LYS:H	20	0.97	0.0	0.97
(1,919)	1:549:A:ARG:HB2	1:554:A:PRO:HA	20	0.96	0.05	0.97
(1,924)	1:539:A:GLY:HA3	1:542:A:LEU:HB3	20	0.96	0.21	0.9
(1,909)	1:542:A:LEU:HG	1:543:A:GLN:HA	20	0.91	0.08	0.91
(1,102)	1:535:A:LYS:H	1:537:A:MET:H	20	0.88	0.05	0.86
(1,813)	1:522:A:ILE:HD11	1:523:A:LYS:HA	20	0.86	0.02	0.87
(1,813)	1:522:A:ILE:HD12	1:523:A:LYS:HA	20	0.86	0.02	0.87
(1,813)	1:522:A:ILE:HD13	1:523:A:LYS:HA	20	0.86	0.02	0.87
(1,778)	1:531:A:ILE:HD11	1:533:A:LEU:HG	20	0.86	0.12	0.88
(1,778)	1:531:A:ILE:HD12	1:533:A:LEU:HG	20	0.86	0.12	0.88
(1,778)	1:531:A:ILE:HD13	1:533:A:LEU:HG	20	0.86	0.12	0.88
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG21	20	0.85	0.06	0.85
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG22	20	0.85	0.06	0.85
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG23	20	0.85	0.06	0.85
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG21	20	0.85	0.06	0.85
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG22	20	0.85	0.06	0.85
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG23	20	0.85	0.06	0.85
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG21	20	0.85	0.06	0.85
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG22	20	0.85	0.06	0.85
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG23	20	0.85	0.06	0.85
(1,354)	1:556:A:ASN:HB3	1:557:A:MET:H	20	0.84	0.03	0.84
(1,354)	1:556:A:ASN:HB2	1:557:A:MET:H	20	0.84	0.03	0.84
(1,443)	1:484:A:GLY:H	1:538:A:PRO:HD3	20	0.82	0.08	0.85
(1,304)	1:538:A:PRO:HB2	1:542:A:LEU:H	20	0.82	0.23	0.77
(1,364)	1:542:A:LEU:HB3	1:543:A:GLN:H	20	0.81	0.15	0.77
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD2	20	0.81	0.0	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD3	20	0.81	0.0	0.81
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG21	20	0.8	0.13	0.79
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG22	20	0.8	0.13	0.79
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG23	20	0.8	0.13	0.79
(1,225)	1:502:A:ARG:HA	1:504:A:ILE:H	20	0.78	0.01	0.78
(1,237)	1:504:A:ILE:H	1:504:A:ILE:HG12	20	0.77	0.0	0.77
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG2	20	0.77	0.02	0.76

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG3	20	0.77	0.02	0.76
(1,868)	1:485:A:ASP:HB3	1:535:A:LYS:HB3	20	0.77	0.01	0.77
(1,189)	1:490:A:ARG:H	1:557:A:MET:HB3	20	0.77	0.19	0.8
(1,358)	1:491:A:ILE:HG21	1:557:A:MET:H	20	0.75	0.11	0.7
(1,358)	1:491:A:ILE:HG22	1:557:A:MET:H	20	0.75	0.11	0.7
(1,358)	1:491:A:ILE:HG23	1:557:A:MET:H	20	0.75	0.11	0.7
(1,351)	1:492:A:GLU:H	1:557:A:MET:H	20	0.74	0.13	0.72
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG21	20	0.74	0.01	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG22	20	0.74	0.01	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG23	20	0.74	0.01	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG21	20	0.74	0.01	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG22	20	0.74	0.01	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG23	20	0.74	0.01	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG21	20	0.74	0.01	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG22	20	0.74	0.01	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG23	20	0.74	0.01	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD11	20	0.74	0.02	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD12	20	0.74	0.02	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD13	20	0.74	0.02	0.74
(1,847)	1:549:A:ARG:HB3	1:554:A:PRO:HB2	20	0.74	0.04	0.74
(1,279)	1:514:A:ILE:HB	1:515:A:SER:H	20	0.72	0.03	0.72
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD11	20	0.72	0.23	0.64
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD12	20	0.72	0.23	0.64
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD13	20	0.72	0.23	0.64
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD21	20	0.72	0.23	0.64
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD22	20	0.72	0.23	0.64
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD23	20	0.72	0.23	0.64
(1,699)	1:491:A:ILE:HA	1:556:A:ASN:HB3	20	0.72	0.05	0.72
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG2	20	0.72	0.16	0.64
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG3	20	0.72	0.16	0.64
(1,236)	1:504:A:ILE:H	1:504:A:ILE:HB	20	0.71	0.0	0.71
(1,313)	1:541:A:VAL:HG11	1:542:A:LEU:H	20	0.71	0.05	0.72
(1,313)	1:541:A:VAL:HG12	1:542:A:LEU:H	20	0.71	0.05	0.72
(1,313)	1:541:A:VAL:HG13	1:542:A:LEU:H	20	0.71	0.05	0.72
(1,1152)	1:558:A:GLN:HG2	1:559:A:LEU:H	20	0.69	0.31	0.84
(1,1152)	1:558:A:GLN:HG3	1:559:A:LEU:H	20	0.69	0.31	0.84
(1,455)	1:535:A:LYS:HG2	1:536:A:GLY:H	20	0.68	0.12	0.75
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD11	20	0.68	0.13	0.7
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD12	20	0.68	0.13	0.7
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD13	20	0.68	0.13	0.7
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD11	20	0.68	0.13	0.7
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD12	20	0.68	0.13	0.7

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD13	20	0.68	0.13	0.7
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD11	20	0.68	0.13	0.7
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD12	20	0.68	0.13	0.7
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD13	20	0.68	0.13	0.7
(1,306)	1:542:A:LEU:HB3	1:544:A:HIS:H	20	0.66	0.13	0.62
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD11	20	0.66	0.05	0.66
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD12	20	0.66	0.05	0.66
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD13	20	0.66	0.05	0.66
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD11	20	0.66	0.05	0.66
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD12	20	0.66	0.05	0.66
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD13	20	0.66	0.05	0.66
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD11	20	0.66	0.05	0.66
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD12	20	0.66	0.05	0.66
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD13	20	0.66	0.05	0.66
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG2	20	0.65	0.09	0.66
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG3	20	0.65	0.09	0.66
(1,801)	1:560:A:LEU:HA	1:561:A:GLY:HA3	20	0.64	0.01	0.64
(1,703)	1:491:A:ILE:HA	1:556:A:ASN:HB2	20	0.63	0.05	0.62
(1,405)	1:502:A:ARG:H	1:504:A:ILE:H	20	0.62	0.02	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD21	20	0.61	0.01	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD22	20	0.61	0.01	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD23	20	0.61	0.01	0.61
(1,310)	1:513:A:ASP:H	1:514:A:ILE:HG12	20	0.6	0.06	0.62
(1,124)	1:557:A:MET:HB3	1:558:A:GLN:H	20	0.6	0.09	0.61
(1,59)	1:489:A:TYR:H	1:530:A:THR:HB	20	0.6	0.05	0.6
(1,904)	1:533:A:LEU:HD21	1:534:A:PRO:HD3	20	0.58	0.08	0.56
(1,904)	1:533:A:LEU:HD22	1:534:A:PRO:HD3	20	0.58	0.08	0.56
(1,904)	1:533:A:LEU:HD23	1:534:A:PRO:HD3	20	0.58	0.08	0.56
(1,62)	1:489:A:TYR:H	1:559:A:LEU:HA	20	0.58	0.02	0.57
(1,403)	1:491:A:ILE:HD11	1:493:A:VAL:H	20	0.58	0.1	0.6
(1,403)	1:491:A:ILE:HD12	1:493:A:VAL:H	20	0.58	0.1	0.6
(1,403)	1:491:A:ILE:HD13	1:493:A:VAL:H	20	0.58	0.1	0.6
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD11	20	0.54	0.01	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD12	20	0.54	0.01	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD13	20	0.54	0.01	0.55
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG21	20	0.54	0.0	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG22	20	0.54	0.0	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG23	20	0.54	0.0	0.54
(1,1161)	1:562:A:ASP:HB2	1:563:A:ALA:H	20	0.54	0.19	0.48
(1,1161)	1:562:A:ASP:HB3	1:563:A:ALA:H	20	0.54	0.19	0.48
(1,38)	1:551:A:LEU:H	1:553:A:LYS:H	20	0.53	0.01	0.54
(1,658)	1:541:A:VAL:HG11	1:542:A:LEU:HB2	20	0.53	0.14	0.5

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,658)	1:541:A:VAL:HG12	1:542:A:LEU:HB2	20	0.53	0.14	0.5
(1,658)	1:541:A:VAL:HG13	1:542:A:LEU:HB2	20	0.53	0.14	0.5
(1,913)	1:548:A:THR:HA	1:549:A:ARG:HB3	20	0.53	0.04	0.54
(1,156)	1:485:A:ASP:H	1:537:A:MET:H	20	0.52	0.04	0.53
(1,539)	1:540:A:GLU:HB2	1:541:A:VAL:HB	20	0.52	0.08	0.48
(1,1120)	1:545:A:PHE:HB2	1:546:A:THR:H	20	0.51	0.0	0.51
(1,1120)	1:545:A:PHE:HB3	1:546:A:THR:H	20	0.51	0.0	0.51
(1,101)	1:488:A:LEU:H	1:562:A:ASP:H	20	0.51	0.06	0.53
(1,706)	1:490:A:ARG:HG3	1:491:A:ILE:HA	20	0.51	0.08	0.52
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG21	20	0.5	0.16	0.49
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG22	20	0.5	0.16	0.49
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG23	20	0.5	0.16	0.49
(1,942)	1:486:A:MET:HB2	1:487:A:GLN:H	20	0.5	0.07	0.52
(1,942)	1:486:A:MET:HB3	1:487:A:GLN:H	20	0.5	0.07	0.52
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD11	20	0.5	0.04	0.52
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD12	20	0.5	0.04	0.52
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD13	20	0.5	0.04	0.52
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD21	20	0.5	0.04	0.52
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD22	20	0.5	0.04	0.52
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD23	20	0.5	0.04	0.52
(1,441)	1:482:A:ASP:HA	1:484:A:GLY:H	20	0.5	0.05	0.5
(1,263)	1:512:A:GLY:H	1:513:A:ASP:H	20	0.5	0.11	0.55
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD2	20	0.49	0.1	0.56
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD3	20	0.49	0.1	0.56
(1,281)	1:514:A:ILE:H	1:514:A:ILE:HG12	20	0.49	0.04	0.48
(1,633)	1:549:A:ARG:HB3	1:554:A:PRO:HA	20	0.48	0.04	0.49
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG21	20	0.48	0.08	0.48
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG22	20	0.48	0.08	0.48
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG23	20	0.48	0.08	0.48
(1,218)	1:504:A:ILE:H	1:506:A:GLY:H	20	0.48	0.03	0.48
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG2	20	0.47	0.06	0.48
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG3	20	0.47	0.06	0.48
(1,459)	1:552:A:ASN:H	1:552:A:ASN:HA	20	0.47	0.0	0.47
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG2	20	0.46	0.18	0.49
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG2	20	0.46	0.18	0.49
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG3	20	0.46	0.18	0.49
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG3	20	0.46	0.18	0.49
(1,308)	1:490:A:ARG:HB2	1:491:A:ILE:H	20	0.45	0.01	0.45
(1,394)	1:555:A:MET:HA	1:556:A:ASN:H	20	0.45	0.0	0.45
(1,376)	1:520:A:GLY:H	1:521:A:ASN:H	20	0.44	0.01	0.44
(1,232)	1:500:A:GLU:HB3	1:503:A:HIS:H	20	0.43	0.02	0.43
(1,814)	1:550:A:ILE:HG21	1:555:A:MET:HB3	20	0.43	0.09	0.45

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,814)	1:550:A:ILE:HG22	1:555:A:MET:HB3	20	0.43	0.09	0.45
(1,814)	1:550:A:ILE:HG23	1:555:A:MET:HB3	20	0.43	0.09	0.45
(1,449)	1:483:A:VAL:HG11	1:536:A:GLY:H	20	0.42	0.41	0.34
(1,449)	1:483:A:VAL:HG12	1:536:A:GLY:H	20	0.42	0.41	0.34
(1,449)	1:483:A:VAL:HG13	1:536:A:GLY:H	20	0.42	0.41	0.34
(1,514)	1:508:A:ILE:HG21	1:519:A:ILE:HG12	20	0.41	0.05	0.42
(1,514)	1:508:A:ILE:HG22	1:519:A:ILE:HG12	20	0.41	0.05	0.42
(1,514)	1:508:A:ILE:HG23	1:519:A:ILE:HG12	20	0.41	0.05	0.42
(1,69)	1:488:A:LEU:HG	1:489:A:TYR:H	20	0.41	0.09	0.42
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD11	20	0.4	0.02	0.4
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD12	20	0.4	0.02	0.4
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD13	20	0.4	0.02	0.4
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD21	20	0.4	0.11	0.42
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD22	20	0.4	0.11	0.42
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD23	20	0.4	0.11	0.42
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD21	20	0.4	0.11	0.42
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD22	20	0.4	0.11	0.42
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD23	20	0.4	0.11	0.42
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD21	20	0.4	0.12	0.44
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD22	20	0.4	0.12	0.44
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD23	20	0.4	0.12	0.44
(1,500)	1:552:A:ASN:HA	1:553:A:LYS:H	20	0.39	0.0	0.39
(1,621)	1:538:A:PRO:HA	1:539:A:GLY:HA2	20	0.38	0.04	0.4
(1,6)	1:489:A:TYR:HA	1:560:A:LEU:H	20	0.38	0.02	0.38
(1,468)	1:561:A:GLY:H	1:562:A:ASP:H	20	0.38	0.06	0.38
(1,209)	1:549:A:ARG:HB2	1:550:A:ILE:H	20	0.37	0.05	0.38
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG21	20	0.37	0.02	0.37
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG22	20	0.37	0.02	0.37
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG23	20	0.37	0.02	0.37
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG21	20	0.37	0.02	0.37
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG22	20	0.37	0.02	0.37
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG23	20	0.37	0.02	0.37
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG21	20	0.37	0.02	0.37
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG22	20	0.37	0.02	0.37
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG23	20	0.37	0.02	0.37
(1,460)	1:551:A:LEU:HA	1:552:A:ASN:H	20	0.36	0.0	0.36
(1,816)	1:497:A:ASP:HA	1:527:A:SER:HA	20	0.36	0.09	0.34
(1,211)	1:501:A:VAL:H	1:504:A:ILE:H	20	0.34	0.01	0.34
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG2	20	0.34	0.08	0.36
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG3	20	0.34	0.08	0.36
(1,284)	1:514:A:ILE:HG13	1:515:A:SER:H	20	0.34	0.04	0.35
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD11	20	0.33	0.0	0.33

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD12	20	0.33	0.0	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD13	20	0.33	0.0	0.33
(1,871)	1:500:A:GLU:HB3	1:501:A:VAL:HB	20	0.32	0.02	0.32
(1,49)	1:563:A:ALA:HB1	1:564:A:GLN:H	20	0.32	0.09	0.3
(1,49)	1:563:A:ALA:HB2	1:564:A:GLN:H	20	0.32	0.09	0.3
(1,49)	1:563:A:ALA:HB3	1:564:A:GLN:H	20	0.32	0.09	0.3
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD11	20	0.32	0.09	0.32
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD12	20	0.32	0.09	0.32
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD13	20	0.32	0.09	0.32
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD11	20	0.32	0.09	0.32
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD12	20	0.32	0.09	0.32
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD13	20	0.32	0.09	0.32
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD11	20	0.32	0.09	0.32
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD12	20	0.32	0.09	0.32
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD13	20	0.32	0.09	0.32
(1,1075)	1:521:A:ASN:HB2	1:522:A:ILE:H	20	0.31	0.04	0.3
(1,1075)	1:521:A:ASN:HB3	1:522:A:ILE:H	20	0.31	0.04	0.3
(1,67)	1:488:A:LEU:HB2	1:489:A:TYR:H	20	0.31	0.03	0.32
(1,182)	1:561:A:GLY:HA2	1:562:A:ASP:H	20	0.31	0.06	0.31
(1,221)	1:521:A:ASN:H	1:532:A:GLU:HA	20	0.31	0.04	0.32
(1,732)	1:550:A:ILE:HG21	1:551:A:LEU:HB2	20	0.31	0.01	0.31
(1,732)	1:550:A:ILE:HG22	1:551:A:LEU:HB2	20	0.31	0.01	0.31
(1,732)	1:550:A:ILE:HG23	1:551:A:LEU:HB2	20	0.31	0.01	0.31
(1,965)	1:488:A:LEU:HB2	1:489:A:TYR:H	20	0.3	0.02	0.31
(1,965)	1:488:A:LEU:HB3	1:489:A:TYR:H	20	0.3	0.02	0.31
(1,864)	1:552:A:ASN:HA	1:553:A:LYS:HA	20	0.3	0.0	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG21	20	0.3	0.01	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG22	20	0.3	0.01	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG23	20	0.3	0.01	0.3
(1,215)	1:515:A:SER:H	1:517:A:ARG:H	20	0.3	0.05	0.3
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	20	0.29	0.03	0.29
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	20	0.29	0.03	0.29
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	20	0.29	0.03	0.29
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	20	0.29	0.03	0.29
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	20	0.29	0.03	0.29
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	20	0.29	0.03	0.29
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	20	0.29	0.03	0.29
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	20	0.29	0.03	0.29
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	20	0.29	0.03	0.29
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD11	20	0.29	0.03	0.29
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD12	20	0.29	0.03	0.29
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD13	20	0.29	0.03	0.29

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD11	20	0.29	0.03	0.29
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD12	20	0.29	0.03	0.29
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD13	20	0.29	0.03	0.29
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD11	20	0.29	0.03	0.29
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD12	20	0.29	0.03	0.29
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD13	20	0.29	0.03	0.29
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	20	0.29	0.03	0.3
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	20	0.29	0.03	0.3
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	20	0.29	0.03	0.3
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	20	0.29	0.03	0.3
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	20	0.29	0.03	0.3
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	20	0.29	0.03	0.3
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	20	0.29	0.03	0.3
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	20	0.29	0.03	0.3
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	20	0.29	0.03	0.3
(1,100)	1:495:A:ARG:H	1:525:A:PHE:H	20	0.27	0.04	0.27
(1,1036)	1:502:A:ARG:HG2	1:503:A:HIS:H	20	0.27	0.02	0.27
(1,1036)	1:502:A:ARG:HG3	1:503:A:HIS:H	20	0.27	0.02	0.27
(1,167)	1:537:A:MET:H	1:537:A:MET:HB3	20	0.26	0.0	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB2	20	0.26	0.0	0.26
(1,208)	1:550:A:ILE:H	1:550:A:ILE:HB	20	0.26	0.01	0.26
(1,1131)	1:549:A:ARG:HD2	1:550:A:ILE:H	20	0.26	0.07	0.23
(1,1131)	1:549:A:ARG:HD3	1:550:A:ILE:H	20	0.26	0.07	0.23
(1,17)	1:491:A:ILE:HG21	1:492:A:GLU:H	20	0.25	0.04	0.26
(1,17)	1:491:A:ILE:HG22	1:492:A:GLU:H	20	0.25	0.04	0.26
(1,17)	1:491:A:ILE:HG23	1:492:A:GLU:H	20	0.25	0.04	0.26
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD21	20	0.24	0.01	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD22	20	0.24	0.01	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD23	20	0.24	0.01	0.24
(1,525)	1:536:A:GLY:HA2	1:538:A:PRO:HD2	20	0.23	0.03	0.23
(1,829)	1:485:A:ASP:HB2	1:537:A:MET:HA	20	0.22	0.04	0.24
(1,730)	1:524:A:LEU:HD11	1:525:A:PHE:HB2	20	0.21	0.02	0.21
(1,730)	1:524:A:LEU:HD12	1:525:A:PHE:HB2	20	0.21	0.02	0.21
(1,730)	1:524:A:LEU:HD13	1:525:A:PHE:HB2	20	0.21	0.02	0.21
(1,472)	1:561:A:GLY:H	1:561:A:GLY:HA2	20	0.19	0.01	0.2
(1,408)	1:500:A:GLU:HB3	1:502:A:ARG:H	20	0.19	0.01	0.19
(1,429)	1:545:A:PHE:HB3	1:546:A:THR:H	20	0.18	0.04	0.16
(1,857)	1:553:A:LYS:HA	1:554:A:PRO:HG2	20	0.17	0.0	0.17
(1,834)	1:481:A:ALA:HB1	1:482:A:ASP:HA	20	0.16	0.04	0.15
(1,834)	1:481:A:ALA:HB2	1:482:A:ASP:HA	20	0.16	0.04	0.15
(1,834)	1:481:A:ALA:HB3	1:482:A:ASP:HA	20	0.16	0.04	0.15
(1,111)	1:500:A:GLU:HA	1:501:A:VAL:H	20	0.14	0.01	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,359)	1:543:A:GLN:H	1:545:A:PHE:H	20	0.14	0.03	0.12
(1,1097)	1:534:A:PRO:HB2	1:535:A:LYS:H	20	0.12	0.01	0.12
(1,1097)	1:534:A:PRO:HB3	1:535:A:LYS:H	20	0.12	0.01	0.12
(1,113)	1:525:A:PHE:H	1:529:A:SER:HB2	19	1.13	0.07	1.13
(1,1079)	1:523:A:LYS:HE2	1:524:A:LEU:H	19	1.07	0.48	1.35
(1,1079)	1:523:A:LYS:HE3	1:524:A:LEU:H	19	1.07	0.48	1.35
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB2	19	0.59	0.06	0.59
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB3	19	0.59	0.06	0.59
(1,277)	1:483:A:VAL:H	1:483:A:VAL:HB	19	0.56	0.05	0.54
(1,303)	1:491:A:ILE:H	1:528:A:HIS:HB3	19	0.52	0.15	0.5
(1,609)	1:486:A:MET:HA	1:534:A:PRO:HA	19	0.5	0.01	0.5
(1,713)	1:491:A:ILE:HG21	1:555:A:MET:HB3	19	0.38	0.14	0.38
(1,713)	1:491:A:ILE:HG22	1:555:A:MET:HB3	19	0.38	0.14	0.38
(1,713)	1:491:A:ILE:HG23	1:555:A:MET:HB3	19	0.38	0.14	0.38
(1,233)	1:521:A:ASN:H	1:532:A:GLU:HB2	19	0.34	0.02	0.35
(1,43)	1:551:A:LEU:H	1:552:A:ASN:HB2	19	0.32	0.11	0.33
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD11	19	0.29	0.09	0.27
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD12	19	0.29	0.09	0.27
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD13	19	0.29	0.09	0.27
(1,772)	1:496:A:ASP:HB3	1:527:A:SER:HA	19	0.28	0.05	0.29
(1,564)	1:490:A:ARG:HB2	1:491:A:ILE:HG13	19	0.27	0.09	0.3
(1,666)	1:501:A:VAL:HG11	1:522:A:ILE:HG12	19	0.25	0.08	0.25
(1,666)	1:501:A:VAL:HG12	1:522:A:ILE:HG12	19	0.25	0.08	0.25
(1,666)	1:501:A:VAL:HG13	1:522:A:ILE:HG12	19	0.25	0.08	0.25
(1,336)	1:518:A:TYR:H	1:519:A:ILE:H	19	0.17	0.04	0.17
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB1	19	0.17	0.03	0.17
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB2	19	0.17	0.03	0.17
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB3	19	0.17	0.03	0.17
(1,409)	1:501:A:VAL:HB	1:502:A:ARG:H	19	0.15	0.02	0.15
(1,775)	1:523:A:LYS:HG3	1:525:A:PHE:HA	18	0.64	0.23	0.74
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG2	18	0.56	0.13	0.64
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG3	18	0.56	0.13	0.64
(1,186)	1:489:A:TYR:HB2	1:490:A:ARG:H	18	0.29	0.06	0.29
(1,71)	1:488:A:LEU:HD11	1:489:A:TYR:H	18	0.28	0.08	0.26
(1,71)	1:488:A:LEU:HD12	1:489:A:TYR:H	18	0.28	0.08	0.26
(1,71)	1:488:A:LEU:HD13	1:489:A:TYR:H	18	0.28	0.08	0.26
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB2	18	0.22	0.0	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB3	18	0.22	0.0	0.22
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD21	18	0.19	0.03	0.2
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD22	18	0.19	0.03	0.2
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD23	18	0.19	0.03	0.2
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD21	18	0.19	0.03	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD22	18	0.19	0.03	0.2
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD23	18	0.19	0.03	0.2
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD21	18	0.19	0.03	0.2
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD22	18	0.19	0.03	0.2
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD23	18	0.19	0.03	0.2
(1,265)	1:515:A:SER:H	1:519:A:ILE:H	18	0.18	0.04	0.2
(1,32)	1:532:A:GLU:H	1:532:A:GLU:HB2	18	0.17	0.02	0.17
(1,440)	1:484:A:GLY:H	1:537:A:MET:H	18	0.15	0.04	0.14
(1,299)	1:547:A:ARG:HA	1:548:A:THR:H	17	0.19	0.0	0.19
(1,885)	1:505:A:VAL:HA	1:508:A:ILE:HB	17	0.18	0.03	0.18
(1,4)	1:522:A:ILE:HB	1:523:A:LYS:H	17	0.16	0.04	0.15
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG2	17	0.16	0.04	0.15
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG3	17	0.16	0.04	0.15
(1,427)	1:545:A:PHE:HB2	1:546:A:THR:H	17	0.14	0.01	0.14
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG2	16	0.2	0.03	0.2
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG3	16	0.2	0.03	0.2
(1,335)	1:515:A:SER:H	1:518:A:TYR:H	16	0.15	0.03	0.15
(1,169)	1:483:A:VAL:HG11	1:537:A:MET:H	15	0.35	0.43	0.24
(1,169)	1:483:A:VAL:HG12	1:537:A:MET:H	15	0.35	0.43	0.24
(1,169)	1:483:A:VAL:HG13	1:537:A:MET:H	15	0.35	0.43	0.24
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG21	15	0.27	0.07	0.28
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG22	15	0.27	0.07	0.28
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG23	15	0.27	0.07	0.28
(1,287)	1:505:A:VAL:HG11	1:516:A:SER:H	15	0.25	0.07	0.25
(1,287)	1:505:A:VAL:HG12	1:516:A:SER:H	15	0.25	0.07	0.25
(1,287)	1:505:A:VAL:HG13	1:516:A:SER:H	15	0.25	0.07	0.25
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB2	15	0.19	0.05	0.17
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB3	15	0.19	0.05	0.17
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD21	15	0.15	0.05	0.12
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD22	15	0.15	0.05	0.12
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD23	15	0.15	0.05	0.12
(1,146)	1:524:A:LEU:H	1:524:A:LEU:HB2	15	0.12	0.01	0.12
(1,144)	1:523:A:LYS:HE2	1:524:A:LEU:H	14	0.75	0.29	0.87
(1,144)	1:523:A:LYS:HE3	1:524:A:LEU:H	14	0.75	0.29	0.87
(1,493)	1:535:A:LYS:H	1:535:A:LYS:HG3	14	0.37	0.04	0.38
(1,478)	1:560:A:LEU:HD11	1:561:A:GLY:H	14	0.24	0.05	0.24
(1,478)	1:560:A:LEU:HD12	1:561:A:GLY:H	14	0.24	0.05	0.24
(1,478)	1:560:A:LEU:HD13	1:561:A:GLY:H	14	0.24	0.05	0.24
(1,556)	1:508:A:ILE:HD11	1:514:A:ILE:HG12	14	0.15	0.03	0.15
(1,556)	1:508:A:ILE:HD12	1:514:A:ILE:HG12	14	0.15	0.03	0.15
(1,556)	1:508:A:ILE:HD13	1:514:A:ILE:HG12	14	0.15	0.03	0.15
(1,276)	1:513:A:ASP:HB3	1:514:A:ILE:H	13	0.21	0.08	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD2	13	0.19	0.02	0.2
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD3	13	0.19	0.02	0.2
(1,97)	1:525:A:PHE:H	1:530:A:THR:H	13	0.17	0.07	0.15
(1,415)	1:524:A:LEU:HA	1:530:A:THR:H	13	0.16	0.05	0.14
(1,70)	1:488:A:LEU:HB3	1:489:A:TYR:H	13	0.12	0.01	0.12
(1,1153)	1:558:A:GLN:HG2	1:560:A:LEU:HA	12	2.67	0.11	2.7
(1,1153)	1:558:A:GLN:HG3	1:560:A:LEU:HA	12	2.67	0.11	2.7
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD21	12	1.29	0.1	1.31
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD22	12	1.29	0.1	1.31
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD23	12	1.29	0.1	1.31
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD21	12	1.29	0.1	1.31
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD22	12	1.29	0.1	1.31
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD23	12	1.29	0.1	1.31
(1,89)	1:558:A:GLN:H	1:558:A:GLN:HB3	12	0.53	0.01	0.54
(1,183)	1:490:A:ARG:H	1:559:A:LEU:HA	12	0.18	0.05	0.19
(1,450)	1:485:A:ASP:H	1:536:A:GLY:H	12	0.14	0.03	0.14
(1,773)	1:526:A:ALA:HB1	1:527:A:SER:HA	12	0.14	0.03	0.13
(1,773)	1:526:A:ALA:HB2	1:527:A:SER:HA	12	0.14	0.03	0.13
(1,773)	1:526:A:ALA:HB3	1:527:A:SER:HA	12	0.14	0.03	0.13
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG21	11	0.26	0.1	0.24
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG22	11	0.26	0.1	0.24
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG23	11	0.26	0.1	0.24
(1,662)	1:501:A:VAL:HG11	1:502:A:ARG:HA	11	0.23	0.03	0.24
(1,662)	1:501:A:VAL:HG12	1:502:A:ARG:HA	11	0.23	0.03	0.24
(1,662)	1:501:A:VAL:HG13	1:502:A:ARG:HA	11	0.23	0.03	0.24
(1,430)	1:528:A:HIS:HB2	1:529:A:SER:H	11	0.16	0.04	0.14
(1,148)	1:523:A:LYS:HG3	1:524:A:LEU:H	10	0.29	0.07	0.28
(1,846)	1:549:A:ARG:HB2	1:550:A:ILE:HA	10	0.14	0.04	0.13
(1,22)	1:521:A:ASN:H	1:532:A:GLU:H	10	0.13	0.02	0.12
(1,494)	1:523:A:LYS:H	1:523:A:LYS:HE2	9	0.54	0.13	0.55
(1,494)	1:523:A:LYS:H	1:523:A:LYS:HE3	9	0.54	0.13	0.55
(1,476)	1:526:A:ALA:HB1	1:527:A:SER:H	9	0.21	0.06	0.2
(1,476)	1:526:A:ALA:HB2	1:527:A:SER:H	9	0.21	0.06	0.2
(1,476)	1:526:A:ALA:HB3	1:527:A:SER:H	9	0.21	0.06	0.2
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD11	9	0.14	0.02	0.13
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD12	9	0.14	0.02	0.13
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD13	9	0.14	0.02	0.13
(1,255)	1:538:A:PRO:HB2	1:540:A:GLU:H	8	0.19	0.04	0.2
(1,239)	1:517:A:ARG:H	1:517:A:ARG:HB3	8	0.12	0.02	0.12
(1,410)	1:502:A:ARG:H	1:502:A:ARG:HB3	8	0.11	0.01	0.11
(1,31)	1:500:A:GLU:H	1:500:A:GLU:HG3	7	0.56	0.02	0.55
(1,606)	1:514:A:ILE:HG21	1:533:A:LEU:HB3	7	0.35	0.15	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,606)	1:514:A:ILE:HG22	1:533:A:LEU:HB3	7	0.35	0.15	0.34
(1,606)	1:514:A:ILE:HG23	1:533:A:LEU:HB3	7	0.35	0.15	0.34
(1,878)	1:500:A:GLU:HB3	1:500:A:GLU:HG2	7	0.33	0.0	0.33
(1,271)	1:513:A:ASP:HB2	1:514:A:ILE:H	7	0.32	0.01	0.32
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD21	7	0.3	0.15	0.26
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD22	7	0.3	0.15	0.26
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD23	7	0.3	0.15	0.26
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD21	7	0.3	0.15	0.26
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD22	7	0.3	0.15	0.26
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD23	7	0.3	0.15	0.26
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD21	7	0.3	0.15	0.26
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD22	7	0.3	0.15	0.26
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD23	7	0.3	0.15	0.26
(1,200)	1:550:A:ILE:H	1:555:A:MET:H	7	0.14	0.03	0.13
(1,657)	1:501:A:VAL:HG11	1:504:A:ILE:HG12	7	0.14	0.04	0.12
(1,657)	1:501:A:VAL:HG12	1:504:A:ILE:HG12	7	0.14	0.04	0.12
(1,657)	1:501:A:VAL:HG13	1:504:A:ILE:HG12	7	0.14	0.04	0.12
(1,397)	1:556:A:ASN:H	1:556:A:ASN:HB2	7	0.13	0.02	0.14
(1,159)	1:496:A:ASP:H	1:528:A:HIS:H	7	0.12	0.02	0.12
(1,728)	1:501:A:VAL:HG21	1:522:A:ILE:HG21	6	0.14	0.02	0.14
(1,728)	1:501:A:VAL:HG21	1:522:A:ILE:HG22	6	0.14	0.02	0.14
(1,728)	1:501:A:VAL:HG21	1:522:A:ILE:HG23	6	0.14	0.02	0.14
(1,728)	1:501:A:VAL:HG22	1:522:A:ILE:HG21	6	0.14	0.02	0.14
(1,728)	1:501:A:VAL:HG22	1:522:A:ILE:HG22	6	0.14	0.02	0.14
(1,728)	1:501:A:VAL:HG22	1:522:A:ILE:HG23	6	0.14	0.02	0.14
(1,728)	1:501:A:VAL:HG23	1:522:A:ILE:HG21	6	0.14	0.02	0.14
(1,728)	1:501:A:VAL:HG23	1:522:A:ILE:HG22	6	0.14	0.02	0.14
(1,728)	1:501:A:VAL:HG23	1:522:A:ILE:HG23	6	0.14	0.02	0.14
(1,88)	1:562:A:ASP:HB2	1:563:A:ALA:H	6	0.13	0.03	0.12
(1,88)	1:562:A:ASP:HB3	1:563:A:ALA:H	6	0.13	0.03	0.12
(1,105)	1:525:A:PHE:H	1:529:A:SER:HA	6	0.12	0.02	0.12
(1,858)	1:549:A:ARG:HB3	1:553:A:LYS:HA	5	0.13	0.02	0.14
(1,294)	1:542:A:LEU:H	1:544:A:HIS:H	5	0.12	0.01	0.12
(1,669)	1:505:A:VAL:HG11	1:519:A:ILE:H	5	0.11	0.01	0.11
(1,669)	1:505:A:VAL:HG12	1:519:A:ILE:H	5	0.11	0.01	0.11
(1,669)	1:505:A:VAL:HG13	1:519:A:ILE:H	5	0.11	0.01	0.11
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD11	4	0.31	0.14	0.32
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD12	4	0.31	0.14	0.32
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD13	4	0.31	0.14	0.32
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD21	4	0.31	0.14	0.32
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD22	4	0.31	0.14	0.32
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD23	4	0.31	0.14	0.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,581)	1:519:A:ILE:HG21	1:533:A:LEU:HD21	4	0.29	0.13	0.28
(1,581)	1:519:A:ILE:HG21	1:533:A:LEU:HD22	4	0.29	0.13	0.28
(1,581)	1:519:A:ILE:HG21	1:533:A:LEU:HD23	4	0.29	0.13	0.28
(1,581)	1:519:A:ILE:HG22	1:533:A:LEU:HD21	4	0.29	0.13	0.28
(1,581)	1:519:A:ILE:HG22	1:533:A:LEU:HD22	4	0.29	0.13	0.28
(1,581)	1:519:A:ILE:HG22	1:533:A:LEU:HD23	4	0.29	0.13	0.28
(1,581)	1:519:A:ILE:HG23	1:533:A:LEU:HD21	4	0.29	0.13	0.28
(1,581)	1:519:A:ILE:HG23	1:533:A:LEU:HD22	4	0.29	0.13	0.28
(1,581)	1:519:A:ILE:HG23	1:533:A:LEU:HD23	4	0.29	0.13	0.28
(1,402)	1:491:A:ILE:HG21	1:556:A:ASN:H	4	0.2	0.08	0.19
(1,402)	1:491:A:ILE:HG22	1:556:A:ASN:H	4	0.2	0.08	0.19
(1,402)	1:491:A:ILE:HG23	1:556:A:ASN:H	4	0.2	0.08	0.19
(1,371)	1:505:A:VAL:HA	1:508:A:ILE:H	4	0.12	0.01	0.12
(1,436)	1:538:A:PRO:HA	1:539:A:GLY:H	4	0.11	0.0	0.11
(1,1055)	1:513:A:ASP:HB2	1:514:A:ILE:H	3	0.21	0.12	0.12
(1,1055)	1:513:A:ASP:HB3	1:514:A:ILE:H	3	0.21	0.12	0.12
(1,949)	1:486:A:MET:HG2	1:532:A:GLU:HB3	3	0.19	0.06	0.23
(1,949)	1:486:A:MET:HG3	1:532:A:GLU:HB3	3	0.19	0.06	0.23
(1,1129)	1:549:A:ARG:HG2	1:553:A:LYS:HA	3	0.14	0.04	0.13
(1,1129)	1:549:A:ARG:HG3	1:553:A:LYS:HA	3	0.14	0.04	0.13
(1,641)	1:491:A:ILE:HB	1:493:A:VAL:HG11	3	0.11	0.0	0.11
(1,641)	1:491:A:ILE:HB	1:493:A:VAL:HG12	3	0.11	0.0	0.11
(1,641)	1:491:A:ILE:HB	1:493:A:VAL:HG13	3	0.11	0.0	0.11
(1,503)	1:510:A:ASN:H	1:510:A:ASN:HB3	2	0.59	0.0	0.59
(1,761)	1:532:A:GLU:HB3	1:532:A:GLU:HG2	2	0.59	0.0	0.59
(1,120)	1:532:A:GLU:HG3	1:533:A:LEU:H	2	0.44	0.01	0.44
(1,855)	1:514:A:ILE:HD11	1:534:A:PRO:HD3	2	0.19	0.05	0.19
(1,855)	1:514:A:ILE:HD12	1:534:A:PRO:HD3	2	0.19	0.05	0.19
(1,855)	1:514:A:ILE:HD13	1:534:A:PRO:HD3	2	0.19	0.05	0.19
(1,1070)	1:519:A:ILE:HB	1:533:A:LEU:HD11	2	0.19	0.0	0.19
(1,1070)	1:519:A:ILE:HB	1:533:A:LEU:HD12	2	0.19	0.0	0.19
(1,1070)	1:519:A:ILE:HB	1:533:A:LEU:HD13	2	0.19	0.0	0.19
(1,1070)	1:519:A:ILE:HB	1:533:A:LEU:HD21	2	0.19	0.0	0.19
(1,1070)	1:519:A:ILE:HB	1:533:A:LEU:HD22	2	0.19	0.0	0.19
(1,1070)	1:519:A:ILE:HB	1:533:A:LEU:HD23	2	0.19	0.0	0.19
(1,720)	1:501:A:VAL:HG11	1:522:A:ILE:HG21	2	0.17	0.05	0.17
(1,720)	1:501:A:VAL:HG11	1:522:A:ILE:HG22	2	0.17	0.05	0.17
(1,720)	1:501:A:VAL:HG11	1:522:A:ILE:HG23	2	0.17	0.05	0.17
(1,720)	1:501:A:VAL:HG12	1:522:A:ILE:HG21	2	0.17	0.05	0.17
(1,720)	1:501:A:VAL:HG12	1:522:A:ILE:HG22	2	0.17	0.05	0.17
(1,720)	1:501:A:VAL:HG12	1:522:A:ILE:HG23	2	0.17	0.05	0.17
(1,720)	1:501:A:VAL:HG13	1:522:A:ILE:HG21	2	0.17	0.05	0.17

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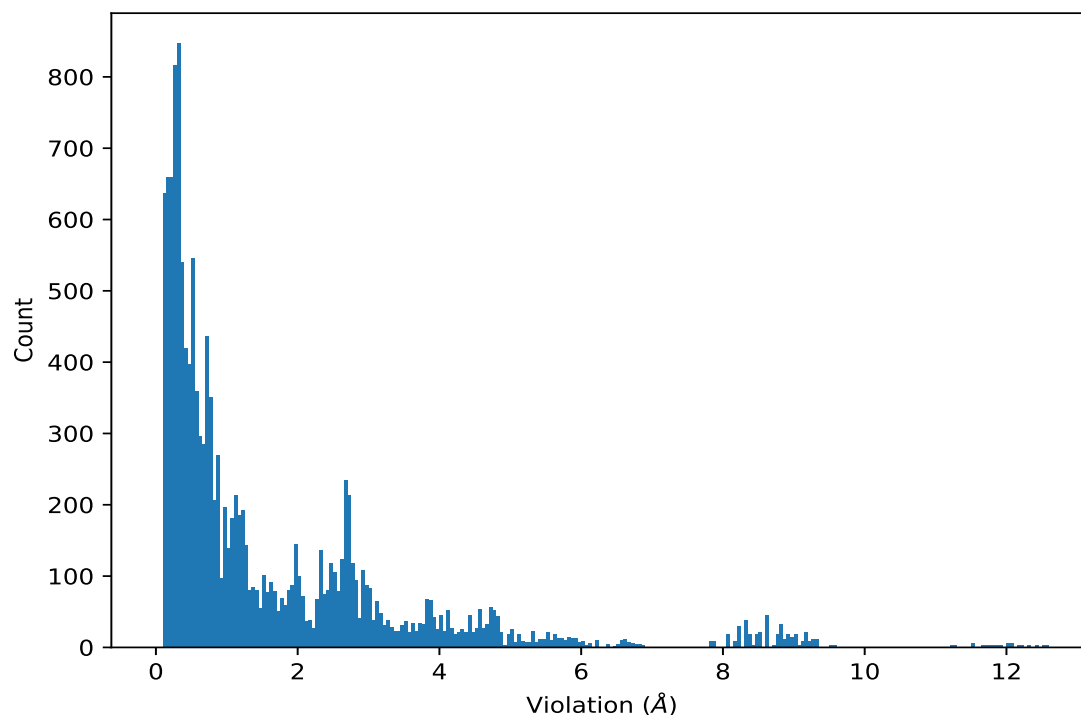
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,720)	1:501:A:VAL:HG13	1:522:A:ILE:HG22	2	0.17	0.05	0.17
(1,720)	1:501:A:VAL:HG13	1:522:A:ILE:HG23	2	0.17	0.05	0.17
(1,601)	1:520:A:GLY:HA3	1:532:A:GLU:HG2	2	0.16	0.0	0.16
(1,1018)	1:497:A:ASP:HB2	1:499:A:VAL:H	2	0.16	0.05	0.16
(1,1018)	1:497:A:ASP:HB3	1:499:A:VAL:H	2	0.16	0.05	0.16
(1,389)	1:556:A:ASN:H	1:557:A:MET:H	2	0.15	0.05	0.15
(1,242)	1:519:A:ILE:HG21	1:521:A:ASN:H	2	0.12	0.0	0.12
(1,242)	1:519:A:ILE:HG22	1:521:A:ASN:H	2	0.12	0.0	0.12
(1,242)	1:519:A:ILE:HG23	1:521:A:ASN:H	2	0.12	0.0	0.12
(1,24)	1:500:A:GLU:H	1:503:A:HIS:H	2	0.11	0.01	0.11
(1,1076)	1:521:A:ASN:HB2	1:532:A:GLU:HB2	2	0.11	0.0	0.11
(1,1076)	1:521:A:ASN:HB3	1:532:A:GLU:HB2	2	0.11	0.0	0.11

¹Number of violated models, ²Standard 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)
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG21	3	12.59
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG22	3	12.59
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG23	3	12.59
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG21	6	12.5
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG22	6	12.5
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG23	6	12.5
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG21	2	12.41
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG22	2	12.41
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG23	2	12.41
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG21	5	12.34
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG22	5	12.34
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG23	5	12.34
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG21	4	12.21
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG22	4	12.21
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG23	4	12.21
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG21	13	12.17
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG22	13	12.17
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG23	13	12.17
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG21	9	12.09
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG22	9	12.09
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG23	9	12.09
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG21	10	12.08
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG22	10	12.08
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG23	10	12.08
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG21	12	12.02
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG22	12	12.02
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG23	12	12.02
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG21	15	12.0
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG22	15	12.0
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG23	15	12.0
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG21	11	11.91
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG22	11	11.91
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG23	11	11.91
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG21	19	11.87
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG22	19	11.87
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG23	19	11.87
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG21	1	11.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG22	1	11.84
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG23	1	11.84
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG21	17	11.78
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG22	17	11.78
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG23	17	11.78
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG21	16	11.74
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG22	16	11.74
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG23	16	11.74
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG21	20	11.69
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG22	20	11.69
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG23	20	11.69
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG21	18	11.53
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG22	18	11.53
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG23	18	11.53
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG21	7	11.5
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG22	7	11.5
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG23	7	11.5
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG21	8	11.28
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG22	8	11.28
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG23	8	11.28
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG21	14	11.22
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG22	14	11.22
(1,630)	1:514:A:ILE:HG12	1:548:A:THR:HG23	14	11.22
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG21	5	9.56
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG22	5	9.56
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG23	5	9.56
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG21	14	9.52
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG22	14	9.52
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG23	14	9.52
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG21	7	9.32
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG22	7	9.32
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG23	7	9.32
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG21	14	9.3
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG22	14	9.3
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG23	14	9.3
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG21	14	9.3
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG22	14	9.3
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG23	14	9.3
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG21	14	9.3
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG22	14	9.3
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG23	14	9.3
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG21	17	9.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG22	17	9.28
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG23	17	9.28
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG21	5	9.28
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG22	5	9.28
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG23	5	9.28
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG21	5	9.28
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG22	5	9.28
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG23	5	9.28
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG21	5	9.28
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG22	5	9.28
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG23	5	9.28
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG21	4	9.23
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG22	4	9.23
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG23	4	9.23
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG21	2	9.22
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG22	2	9.22
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG23	2	9.22
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG21	8	9.21
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG22	8	9.21
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG23	8	9.21
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG21	7	9.16
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG22	7	9.16
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG23	7	9.16
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG21	7	9.16
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG22	7	9.16
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG23	7	9.16
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG21	7	9.16
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG22	7	9.16
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG23	7	9.16
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG21	13	9.15
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG22	13	9.15
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG23	13	9.15
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG21	17	9.15
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG22	17	9.15
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG23	17	9.15
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG21	17	9.15
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG22	17	9.15
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG23	17	9.15
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG21	17	9.15
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG22	17	9.15
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG23	17	9.15
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG21	8	9.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG22	8	9.1
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG23	8	9.1
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG21	8	9.1
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG22	8	9.1
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG23	8	9.1
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG21	8	9.1
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG22	8	9.1
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG23	8	9.1
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG21	10	9.06
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG22	10	9.06
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG23	10	9.06
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG21	2	9.01
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG22	2	9.01
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG23	2	9.01
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG21	2	9.01
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG22	2	9.01
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG23	2	9.01
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG21	2	9.01
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG22	2	9.01
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG23	2	9.01
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG21	4	9.0
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG22	4	9.0
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG23	4	9.0
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG21	4	9.0
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG22	4	9.0
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG23	4	9.0
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG21	4	9.0
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG22	4	9.0
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG23	4	9.0
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG21	3	8.99
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG22	3	8.99
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG23	3	8.99
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG21	6	8.98
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG22	6	8.98
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG23	6	8.98
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG21	3	8.96
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG22	3	8.96
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG23	3	8.96
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG21	3	8.96
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG22	3	8.96
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG23	3	8.96
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG21	3	8.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG22	3	8.96
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG23	3	8.96
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG21	10	8.93
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG22	10	8.93
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG23	10	8.93
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG21	10	8.93
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG22	10	8.93
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG23	10	8.93
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG21	10	8.93
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG22	10	8.93
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG23	10	8.93
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG21	13	8.9
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG22	13	8.9
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG23	13	8.9
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG21	13	8.9
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG22	13	8.9
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG23	13	8.9
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG21	13	8.9
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG22	13	8.9
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG23	13	8.9
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG21	15	8.89
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG22	15	8.89
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG23	15	8.89
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG21	6	8.89
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG22	6	8.89
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG23	6	8.89
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG21	6	8.89
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG22	6	8.89
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG23	6	8.89
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG21	6	8.89
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG22	6	8.89
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG23	6	8.89
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG21	6	8.84
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG22	6	8.84
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG23	6	8.84
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG21	6	8.84
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG22	6	8.84
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG23	6	8.84
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG21	6	8.84
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG22	6	8.84
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG23	6	8.84
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG21	9	8.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG22	9	8.83
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG23	9	8.83
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG21	16	8.82
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG22	16	8.82
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG23	16	8.82
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG21	3	8.82
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG22	3	8.82
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG23	3	8.82
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG21	3	8.82
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG22	3	8.82
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG23	3	8.82
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG21	3	8.82
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG22	3	8.82
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG23	3	8.82
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG21	2	8.8
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG22	2	8.8
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG23	2	8.8
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG21	2	8.8
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG22	2	8.8
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG23	2	8.8
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG21	2	8.8
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG22	2	8.8
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG23	2	8.8
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG21	15	8.77
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG22	15	8.77
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG23	15	8.77
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG21	15	8.77
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG22	15	8.77
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG23	15	8.77
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG21	15	8.77
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG22	15	8.77
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG23	15	8.77
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG21	5	8.75
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG22	5	8.75
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG23	5	8.75
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG21	5	8.75
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG22	5	8.75
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG23	5	8.75
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG21	5	8.75
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG22	5	8.75
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG23	5	8.75
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG21	20	8.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG22	20	8.72
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG23	20	8.72
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG21	4	8.64
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG22	4	8.64
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG23	4	8.64
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG21	4	8.64
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG22	4	8.64
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG23	4	8.64
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG21	4	8.64
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG22	4	8.64
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG23	4	8.64
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG21	13	8.64
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG22	13	8.64
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG23	13	8.64
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG21	13	8.64
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG22	13	8.64
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG23	13	8.64
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG21	13	8.64
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG22	13	8.64
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG23	13	8.64
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG21	9	8.62
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG22	9	8.62
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG23	9	8.62
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG21	9	8.62
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG22	9	8.62
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG23	9	8.62
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG21	9	8.62
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG22	9	8.62
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG23	9	8.62
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG21	20	8.62
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG22	20	8.62
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG23	20	8.62
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG21	20	8.62
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG22	20	8.62
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG23	20	8.62
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG21	20	8.62
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG22	20	8.62
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG23	20	8.62
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG21	16	8.61
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG22	16	8.61
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG23	16	8.61
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG21	16	8.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG22	16	8.61
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG23	16	8.61
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG21	16	8.61
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG22	16	8.61
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG23	16	8.61
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG21	9	8.54
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG22	9	8.54
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG23	9	8.54
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG21	9	8.54
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG22	9	8.54
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG23	9	8.54
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG21	9	8.54
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG22	9	8.54
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG23	9	8.54
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG21	10	8.53
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG22	10	8.53
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG23	10	8.53
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG21	10	8.53
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG22	10	8.53
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG23	10	8.53
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG21	10	8.53
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG22	10	8.53
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG23	10	8.53
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG21	18	8.5
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG22	18	8.5
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG23	18	8.5
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG21	12	8.48
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG22	12	8.48
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG23	12	8.48
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG21	12	8.48
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG22	12	8.48
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG23	12	8.48
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG21	12	8.48
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG22	12	8.48
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG23	12	8.48
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG21	15	8.46
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG22	15	8.46
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG23	15	8.46
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG21	15	8.46
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG22	15	8.46
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG23	15	8.46
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG21	15	8.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG22	15	8.46
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG23	15	8.46
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG21	19	8.42
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG22	19	8.42
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG23	19	8.42
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG21	11	8.39
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG22	11	8.39
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG23	11	8.39
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG21	11	8.39
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG22	11	8.39
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG23	11	8.39
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG21	11	8.39
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG22	11	8.39
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG23	11	8.39
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG21	19	8.36
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG22	19	8.36
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG23	19	8.36
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG21	19	8.36
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG22	19	8.36
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG23	19	8.36
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG21	19	8.36
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG22	19	8.36
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG23	19	8.36
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG21	12	8.34
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG22	12	8.34
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG23	12	8.34
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG21	19	8.34
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG22	19	8.34
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG23	19	8.34
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG21	19	8.34
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG22	19	8.34
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG23	19	8.34
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG21	19	8.34
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG22	19	8.34
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG23	19	8.34
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG21	1	8.33
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG22	1	8.33
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG23	1	8.33
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG21	1	8.33
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG22	1	8.33
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG23	1	8.33
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG21	1	8.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG22	1	8.33
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG23	1	8.33
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG21	18	8.32
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG22	18	8.32
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG23	18	8.32
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG21	18	8.32
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG22	18	8.32
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG23	18	8.32
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG21	18	8.32
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG22	18	8.32
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG23	18	8.32
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG21	17	8.3
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG22	17	8.3
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG23	17	8.3
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG21	17	8.3
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG22	17	8.3
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG23	17	8.3
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG21	17	8.3
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG22	17	8.3
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG23	17	8.3
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG21	16	8.24
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG22	16	8.24
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG23	16	8.24
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG21	16	8.24
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG22	16	8.24
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG23	16	8.24
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG21	16	8.24
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG22	16	8.24
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG23	16	8.24
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG21	20	8.23
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG22	20	8.23
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG23	20	8.23
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG21	20	8.23
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG22	20	8.23
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG23	20	8.23
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG21	20	8.23
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG22	20	8.23
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG23	20	8.23
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG21	11	8.22
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG22	11	8.22
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG23	11	8.22
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG21	12	8.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG22	12	8.2
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG23	12	8.2
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG21	12	8.2
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG22	12	8.2
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG23	12	8.2
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG21	12	8.2
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG22	12	8.2
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG23	12	8.2
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG21	11	8.17
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG22	11	8.17
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG23	11	8.17
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG21	11	8.17
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG22	11	8.17
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG23	11	8.17
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG21	11	8.17
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG22	11	8.17
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG23	11	8.17
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG21	18	8.07
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG22	18	8.07
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG23	18	8.07
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG21	18	8.07
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG22	18	8.07
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG23	18	8.07
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG21	18	8.07
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG22	18	8.07
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG23	18	8.07
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG21	7	8.06
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG22	7	8.06
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG23	7	8.06
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG21	7	8.06
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG22	7	8.06
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG23	7	8.06
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG21	7	8.06
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG22	7	8.06
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG23	7	8.06
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG21	8	7.86
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG22	8	7.86
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG23	8	7.86
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG21	8	7.86
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG22	8	7.86
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG23	8	7.86
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG21	8	7.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG22	8	7.86
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG23	8	7.86
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG21	14	7.81
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG22	14	7.81
(1,636)	1:514:A:ILE:HD11	1:548:A:THR:HG23	14	7.81
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG21	14	7.81
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG22	14	7.81
(1,636)	1:514:A:ILE:HD12	1:548:A:THR:HG23	14	7.81
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG21	14	7.81
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG22	14	7.81
(1,636)	1:514:A:ILE:HD13	1:548:A:THR:HG23	14	7.81
(1,610)	1:549:A:ARG:HD2	1:552:A:ASN:HA	15	7.02
(1,610)	1:549:A:ARG:HD2	1:552:A:ASN:HA	1	6.95
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG21	1	6.87
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG22	1	6.87
(1,874)	1:483:A:VAL:HB	1:541:A:VAL:HG23	1	6.87
(1,610)	1:549:A:ARG:HD2	1:552:A:ASN:HA	20	6.82
(1,610)	1:549:A:ARG:HD2	1:552:A:ASN:HA	4	6.81
(1,610)	1:549:A:ARG:HD2	1:552:A:ASN:HA	5	6.81
(1,610)	1:549:A:ARG:HD2	1:552:A:ASN:HA	19	6.81
(1,610)	1:549:A:ARG:HD2	1:552:A:ASN:HA	11	6.8
(1,610)	1:549:A:ARG:HD2	1:552:A:ASN:HA	12	6.78
(1,610)	1:549:A:ARG:HD2	1:552:A:ASN:HA	17	6.78
(1,610)	1:549:A:ARG:HD2	1:552:A:ASN:HA	10	6.76
(1,610)	1:549:A:ARG:HD2	1:552:A:ASN:HA	16	6.76
(1,610)	1:549:A:ARG:HD2	1:552:A:ASN:HA	7	6.74
(1,610)	1:549:A:ARG:HD2	1:552:A:ASN:HA	14	6.74
(1,880)	1:549:A:ARG:HD3	1:552:A:ASN:HA	10	6.73
(1,610)	1:549:A:ARG:HD2	1:552:A:ASN:HA	8	6.72
(1,610)	1:549:A:ARG:HD2	1:552:A:ASN:HA	18	6.72
(1,880)	1:549:A:ARG:HD3	1:552:A:ASN:HA	9	6.7
(1,880)	1:549:A:ARG:HD3	1:552:A:ASN:HA	2	6.68
(1,880)	1:549:A:ARG:HD3	1:552:A:ASN:HA	6	6.68
(1,880)	1:549:A:ARG:HD3	1:552:A:ASN:HA	1	6.67
(1,880)	1:549:A:ARG:HD3	1:552:A:ASN:HA	13	6.67
(1,880)	1:549:A:ARG:HD3	1:552:A:ASN:HA	16	6.66
(1,610)	1:549:A:ARG:HD2	1:552:A:ASN:HA	9	6.66
(1,880)	1:549:A:ARG:HD3	1:552:A:ASN:HA	5	6.65
(1,880)	1:549:A:ARG:HD3	1:552:A:ASN:HA	20	6.65
(1,880)	1:549:A:ARG:HD3	1:552:A:ASN:HA	3	6.64
(1,880)	1:549:A:ARG:HD3	1:552:A:ASN:HA	8	6.63
(1,880)	1:549:A:ARG:HD3	1:552:A:ASN:HA	14	6.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,880)	1:549:A:ARG:HD3	1:552:A:ASN:HA	15	6.63
(1,880)	1:549:A:ARG:HD3	1:552:A:ASN:HA	12	6.62
(1,880)	1:549:A:ARG:HD3	1:552:A:ASN:HA	18	6.62
(1,880)	1:549:A:ARG:HD3	1:552:A:ASN:HA	19	6.62
(1,880)	1:549:A:ARG:HD3	1:552:A:ASN:HA	4	6.61
(1,880)	1:549:A:ARG:HD3	1:552:A:ASN:HA	7	6.61
(1,880)	1:549:A:ARG:HD3	1:552:A:ASN:HA	17	6.61
(1,880)	1:549:A:ARG:HD3	1:552:A:ASN:HA	11	6.6
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG21	1	6.57
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG22	1	6.57
(1,688)	1:483:A:VAL:HG21	1:541:A:VAL:HG23	1	6.57
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG21	1	6.57
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG22	1	6.57
(1,688)	1:483:A:VAL:HG22	1:541:A:VAL:HG23	1	6.57
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG21	1	6.57
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG22	1	6.57
(1,688)	1:483:A:VAL:HG23	1:541:A:VAL:HG23	1	6.57
(1,610)	1:549:A:ARG:HD2	1:552:A:ASN:HA	6	6.57
(1,959)	1:487:A:GLN:HG2	1:535:A:LYS:HA	11	6.53
(1,959)	1:487:A:GLN:HG3	1:535:A:LYS:HA	11	6.53
(1,960)	1:487:A:GLN:HG2	1:535:A:LYS:HB3	11	6.52
(1,960)	1:487:A:GLN:HG3	1:535:A:LYS:HB3	11	6.52
(1,610)	1:549:A:ARG:HD2	1:552:A:ASN:HA	3	6.5
(1,610)	1:549:A:ARG:HD2	1:552:A:ASN:HA	2	6.48
(1,610)	1:549:A:ARG:HD2	1:552:A:ASN:HA	13	6.45
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG11	17	6.36
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG12	17	6.36
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG13	17	6.36
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB2	11	6.35
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB3	11	6.35
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB2	18	6.23
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB3	18	6.23
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG11	7	6.23
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG12	7	6.23
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG13	7	6.23
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB2	12	6.21
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB3	12	6.21
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG11	5	6.2
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG12	5	6.2
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG13	5	6.2
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG11	8	6.13
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG12	8	6.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG13	8	6.13
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG11	14	6.12
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG12	14	6.12
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG13	14	6.12
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG11	6	6.07
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG12	6	6.07
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG13	6	6.07
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB2	7	6.02
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB3	7	6.02
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG11	3	6.01
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG12	3	6.01
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG13	3	6.01
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB2	4	6.0
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB3	4	6.0
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB2	19	6.0
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB3	19	6.0
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG11	10	5.99
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG12	10	5.99
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG13	10	5.99
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB2	13	5.98
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB3	13	5.98
(1,72)	1:488:A:LEU:HD11	1:563:A:ALA:H	1	5.98
(1,72)	1:488:A:LEU:HD12	1:563:A:ALA:H	1	5.98
(1,72)	1:488:A:LEU:HD13	1:563:A:ALA:H	1	5.98
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB2	16	5.94
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB3	16	5.94
(1,72)	1:488:A:LEU:HD11	1:563:A:ALA:H	11	5.94
(1,72)	1:488:A:LEU:HD12	1:563:A:ALA:H	11	5.94
(1,72)	1:488:A:LEU:HD13	1:563:A:ALA:H	11	5.94
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB2	14	5.93
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB3	14	5.93
(1,72)	1:488:A:LEU:HD11	1:563:A:ALA:H	8	5.91
(1,72)	1:488:A:LEU:HD12	1:563:A:ALA:H	8	5.91
(1,72)	1:488:A:LEU:HD13	1:563:A:ALA:H	8	5.91
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG11	2	5.9
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG12	2	5.9
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG13	2	5.9
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB2	15	5.88
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB3	15	5.88
(1,72)	1:488:A:LEU:HD11	1:563:A:ALA:H	20	5.88
(1,72)	1:488:A:LEU:HD12	1:563:A:ALA:H	20	5.88
(1,72)	1:488:A:LEU:HD13	1:563:A:ALA:H	20	5.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB2	20	5.87
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB3	20	5.87
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG11	4	5.87
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG12	4	5.87
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG13	4	5.87
(1,568)	1:483:A:VAL:HG11	1:535:A:LYS:HG3	1	5.85
(1,568)	1:483:A:VAL:HG12	1:535:A:LYS:HG3	1	5.85
(1,568)	1:483:A:VAL:HG13	1:535:A:LYS:HG3	1	5.85
(1,840)	1:487:A:GLN:HG2	1:535:A:LYS:HB2	11	5.84
(1,840)	1:487:A:GLN:HG2	1:535:A:LYS:HB2	12	5.84
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG11	15	5.83
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG12	15	5.83
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG13	15	5.83
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB2	9	5.82
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB3	9	5.82
(1,787)	1:487:A:GLN:HG2	1:535:A:LYS:HA	11	5.82
(1,787)	1:487:A:GLN:HG3	1:535:A:LYS:HA	11	5.82
(1,840)	1:487:A:GLN:HG2	1:535:A:LYS:HB2	4	5.81
(1,72)	1:488:A:LEU:HD11	1:563:A:ALA:H	6	5.81
(1,72)	1:488:A:LEU:HD12	1:563:A:ALA:H	6	5.81
(1,72)	1:488:A:LEU:HD13	1:563:A:ALA:H	6	5.81
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB2	8	5.8
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB3	8	5.8
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB2	2	5.79
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB3	2	5.79
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB2	5	5.77
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB3	5	5.77
(1,72)	1:488:A:LEU:HD11	1:563:A:ALA:H	16	5.77
(1,72)	1:488:A:LEU:HD12	1:563:A:ALA:H	16	5.77
(1,72)	1:488:A:LEU:HD13	1:563:A:ALA:H	16	5.77
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG11	13	5.75
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG12	13	5.75
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG13	13	5.75
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB2	10	5.74
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB3	10	5.74
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG11	20	5.73
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG12	20	5.73
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG13	20	5.73
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB2	3	5.7
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB3	3	5.7
(1,72)	1:488:A:LEU:HD11	1:563:A:ALA:H	2	5.7
(1,72)	1:488:A:LEU:HD12	1:563:A:ALA:H	2	5.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:488:A:LEU:HD13	1:563:A:ALA:H	2	5.7
(1,72)	1:488:A:LEU:HD11	1:563:A:ALA:H	9	5.7
(1,72)	1:488:A:LEU:HD12	1:563:A:ALA:H	9	5.7
(1,72)	1:488:A:LEU:HD13	1:563:A:ALA:H	9	5.7
(1,72)	1:488:A:LEU:HD11	1:563:A:ALA:H	10	5.69
(1,72)	1:488:A:LEU:HD12	1:563:A:ALA:H	10	5.69
(1,72)	1:488:A:LEU:HD13	1:563:A:ALA:H	10	5.69
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB2	6	5.68
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB3	6	5.68
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB2	17	5.68
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB3	17	5.68
(1,960)	1:487:A:GLN:HG2	1:535:A:LYS:HB3	12	5.67
(1,960)	1:487:A:GLN:HG3	1:535:A:LYS:HB3	12	5.67
(1,72)	1:488:A:LEU:HD11	1:563:A:ALA:H	17	5.67
(1,72)	1:488:A:LEU:HD12	1:563:A:ALA:H	17	5.67
(1,72)	1:488:A:LEU:HD13	1:563:A:ALA:H	17	5.67
(1,840)	1:487:A:GLN:HG2	1:535:A:LYS:HB2	19	5.66
(1,840)	1:487:A:GLN:HG2	1:535:A:LYS:HB2	15	5.64
(1,797)	1:487:A:GLN:HG3	1:535:A:LYS:HB2	11	5.64
(1,840)	1:487:A:GLN:HG2	1:535:A:LYS:HB2	7	5.62
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG11	9	5.61
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG12	9	5.61
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG13	9	5.61
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG11	18	5.61
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG12	18	5.61
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG13	18	5.61
(1,72)	1:488:A:LEU:HD11	1:563:A:ALA:H	5	5.61
(1,72)	1:488:A:LEU:HD12	1:563:A:ALA:H	5	5.61
(1,72)	1:488:A:LEU:HD13	1:563:A:ALA:H	5	5.61
(1,72)	1:488:A:LEU:HD11	1:563:A:ALA:H	12	5.61
(1,72)	1:488:A:LEU:HD12	1:563:A:ALA:H	12	5.61
(1,72)	1:488:A:LEU:HD13	1:563:A:ALA:H	12	5.61
(1,72)	1:488:A:LEU:HD11	1:563:A:ALA:H	18	5.61
(1,72)	1:488:A:LEU:HD12	1:563:A:ALA:H	18	5.61
(1,72)	1:488:A:LEU:HD13	1:563:A:ALA:H	18	5.61
(1,960)	1:487:A:GLN:HG2	1:535:A:LYS:HB3	4	5.59
(1,960)	1:487:A:GLN:HG3	1:535:A:LYS:HB3	4	5.59
(1,840)	1:487:A:GLN:HG2	1:535:A:LYS:HB2	1	5.59
(1,959)	1:487:A:GLN:HG2	1:535:A:LYS:HA	12	5.56
(1,959)	1:487:A:GLN:HG3	1:535:A:LYS:HA	12	5.56
(1,840)	1:487:A:GLN:HG2	1:535:A:LYS:HB2	13	5.56
(1,840)	1:487:A:GLN:HG2	1:535:A:LYS:HB2	16	5.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:488:A:LEU:HD11	1:563:A:ALA:H	7	5.55
(1,72)	1:488:A:LEU:HD12	1:563:A:ALA:H	7	5.55
(1,72)	1:488:A:LEU:HD13	1:563:A:ALA:H	7	5.55
(1,840)	1:487:A:GLN:HG2	1:535:A:LYS:HB2	14	5.54
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG11	19	5.54
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG12	19	5.54
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG13	19	5.54
(1,959)	1:487:A:GLN:HG2	1:535:A:LYS:HA	4	5.53
(1,959)	1:487:A:GLN:HG3	1:535:A:LYS:HA	4	5.53
(1,72)	1:488:A:LEU:HD11	1:563:A:ALA:H	13	5.53
(1,72)	1:488:A:LEU:HD12	1:563:A:ALA:H	13	5.53
(1,72)	1:488:A:LEU:HD13	1:563:A:ALA:H	13	5.53
(1,72)	1:488:A:LEU:HD11	1:563:A:ALA:H	14	5.53
(1,72)	1:488:A:LEU:HD12	1:563:A:ALA:H	14	5.53
(1,72)	1:488:A:LEU:HD13	1:563:A:ALA:H	14	5.53
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG11	16	5.52
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG12	16	5.52
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG13	16	5.52
(1,72)	1:488:A:LEU:HD11	1:563:A:ALA:H	3	5.52
(1,72)	1:488:A:LEU:HD12	1:563:A:ALA:H	3	5.52
(1,72)	1:488:A:LEU:HD13	1:563:A:ALA:H	3	5.52
(1,72)	1:488:A:LEU:HD11	1:563:A:ALA:H	19	5.52
(1,72)	1:488:A:LEU:HD12	1:563:A:ALA:H	19	5.52
(1,72)	1:488:A:LEU:HD13	1:563:A:ALA:H	19	5.52
(1,840)	1:487:A:GLN:HG2	1:535:A:LYS:HB2	3	5.48
(1,72)	1:488:A:LEU:HD11	1:563:A:ALA:H	15	5.48
(1,72)	1:488:A:LEU:HD12	1:563:A:ALA:H	15	5.48
(1,72)	1:488:A:LEU:HD13	1:563:A:ALA:H	15	5.48
(1,72)	1:488:A:LEU:HD11	1:563:A:ALA:H	4	5.47
(1,72)	1:488:A:LEU:HD12	1:563:A:ALA:H	4	5.47
(1,72)	1:488:A:LEU:HD13	1:563:A:ALA:H	4	5.47
(1,960)	1:487:A:GLN:HG2	1:535:A:LYS:HB3	19	5.45
(1,960)	1:487:A:GLN:HG3	1:535:A:LYS:HB3	19	5.45
(1,959)	1:487:A:GLN:HG2	1:535:A:LYS:HA	19	5.45
(1,959)	1:487:A:GLN:HG3	1:535:A:LYS:HA	19	5.45
(1,959)	1:487:A:GLN:HG2	1:535:A:LYS:HA	15	5.44
(1,959)	1:487:A:GLN:HG3	1:535:A:LYS:HA	15	5.44
(1,840)	1:487:A:GLN:HG2	1:535:A:LYS:HB2	18	5.43
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG11	11	5.43
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG12	11	5.43
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG13	11	5.43
(1,960)	1:487:A:GLN:HG2	1:535:A:LYS:HB3	15	5.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,960)	1:487:A:GLN:HG3	1:535:A:LYS:HB3	15	5.42
(1,959)	1:487:A:GLN:HG2	1:535:A:LYS:HA	7	5.41
(1,959)	1:487:A:GLN:HG3	1:535:A:LYS:HA	7	5.41
(1,840)	1:487:A:GLN:HG2	1:535:A:LYS:HB2	20	5.41
(1,960)	1:487:A:GLN:HG2	1:535:A:LYS:HB3	7	5.39
(1,960)	1:487:A:GLN:HG3	1:535:A:LYS:HB3	7	5.39
(1,959)	1:487:A:GLN:HG2	1:535:A:LYS:HA	14	5.37
(1,959)	1:487:A:GLN:HG3	1:535:A:LYS:HA	14	5.37
(1,959)	1:487:A:GLN:HG2	1:535:A:LYS:HA	13	5.36
(1,959)	1:487:A:GLN:HG3	1:535:A:LYS:HA	13	5.36
(1,960)	1:487:A:GLN:HG2	1:535:A:LYS:HB3	13	5.35
(1,960)	1:487:A:GLN:HG3	1:535:A:LYS:HB3	13	5.35
(1,960)	1:487:A:GLN:HG2	1:535:A:LYS:HB3	1	5.34
(1,960)	1:487:A:GLN:HG3	1:535:A:LYS:HB3	1	5.34
(1,959)	1:487:A:GLN:HG2	1:535:A:LYS:HA	1	5.34
(1,959)	1:487:A:GLN:HG3	1:535:A:LYS:HA	1	5.34
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG11	12	5.34
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG12	12	5.34
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG13	12	5.34
(1,960)	1:487:A:GLN:HG2	1:535:A:LYS:HB3	16	5.32
(1,960)	1:487:A:GLN:HG3	1:535:A:LYS:HB3	16	5.32
(1,959)	1:487:A:GLN:HG2	1:535:A:LYS:HA	3	5.32
(1,959)	1:487:A:GLN:HG3	1:535:A:LYS:HA	3	5.32
(1,959)	1:487:A:GLN:HG2	1:535:A:LYS:HA	16	5.32
(1,959)	1:487:A:GLN:HG3	1:535:A:LYS:HA	16	5.32
(1,960)	1:487:A:GLN:HG2	1:535:A:LYS:HB3	14	5.31
(1,960)	1:487:A:GLN:HG3	1:535:A:LYS:HB3	14	5.31
(1,840)	1:487:A:GLN:HG2	1:535:A:LYS:HB2	6	5.31
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB1	11	5.31
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB2	11	5.31
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB3	11	5.31
(1,960)	1:487:A:GLN:HG2	1:535:A:LYS:HB3	18	5.3
(1,960)	1:487:A:GLN:HG3	1:535:A:LYS:HB3	18	5.3
(1,840)	1:487:A:GLN:HG2	1:535:A:LYS:HB2	2	5.3
(1,840)	1:487:A:GLN:HG2	1:535:A:LYS:HB2	10	5.3
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG11	1	5.29
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG12	1	5.29
(1,655)	1:538:A:PRO:HG2	1:541:A:VAL:HG13	1	5.29
(1,960)	1:487:A:GLN:HG2	1:535:A:LYS:HB3	3	5.28
(1,960)	1:487:A:GLN:HG3	1:535:A:LYS:HB3	3	5.28
(1,959)	1:487:A:GLN:HG2	1:535:A:LYS:HA	20	5.26
(1,959)	1:487:A:GLN:HG3	1:535:A:LYS:HA	20	5.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,840)	1:487:A:GLN:HG2	1:535:A:LYS:HB2	9	5.25
(1,283)	1:486:A:MET:H	1:535:A:LYS:HG2	16	5.23
(1,840)	1:487:A:GLN:HG2	1:535:A:LYS:HB2	5	5.22
(1,840)	1:487:A:GLN:HG2	1:535:A:LYS:HB2	8	5.22
(1,960)	1:487:A:GLN:HG2	1:535:A:LYS:HB3	20	5.21
(1,960)	1:487:A:GLN:HG3	1:535:A:LYS:HB3	20	5.21
(1,283)	1:486:A:MET:H	1:535:A:LYS:HG2	13	5.21
(1,959)	1:487:A:GLN:HG2	1:535:A:LYS:HA	10	5.2
(1,959)	1:487:A:GLN:HG3	1:535:A:LYS:HA	10	5.2
(1,959)	1:487:A:GLN:HG2	1:535:A:LYS:HA	6	5.19
(1,959)	1:487:A:GLN:HG3	1:535:A:LYS:HA	6	5.19
(1,283)	1:486:A:MET:H	1:535:A:LYS:HG2	3	5.19
(1,840)	1:487:A:GLN:HG2	1:535:A:LYS:HB2	17	5.17
(1,283)	1:486:A:MET:H	1:535:A:LYS:HG2	4	5.17
(1,959)	1:487:A:GLN:HG2	1:535:A:LYS:HA	2	5.16
(1,959)	1:487:A:GLN:HG3	1:535:A:LYS:HA	2	5.16
(1,283)	1:486:A:MET:H	1:535:A:LYS:HG2	1	5.16
(1,283)	1:486:A:MET:H	1:535:A:LYS:HG2	7	5.16
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB1	11	5.13
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB2	11	5.13
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB3	11	5.13
(1,959)	1:487:A:GLN:HG2	1:535:A:LYS:HA	8	5.12
(1,959)	1:487:A:GLN:HG3	1:535:A:LYS:HA	8	5.12
(1,234)	1:538:A:PRO:HG2	1:541:A:VAL:H	17	5.12
(1,960)	1:487:A:GLN:HG2	1:535:A:LYS:HB3	2	5.11
(1,960)	1:487:A:GLN:HG3	1:535:A:LYS:HB3	2	5.11
(1,960)	1:487:A:GLN:HG2	1:535:A:LYS:HB3	10	5.11
(1,960)	1:487:A:GLN:HG3	1:535:A:LYS:HB3	10	5.11
(1,959)	1:487:A:GLN:HG2	1:535:A:LYS:HA	5	5.11
(1,959)	1:487:A:GLN:HG3	1:535:A:LYS:HA	5	5.11
(1,959)	1:487:A:GLN:HG2	1:535:A:LYS:HA	9	5.11
(1,959)	1:487:A:GLN:HG3	1:535:A:LYS:HA	9	5.11
(1,960)	1:487:A:GLN:HG2	1:535:A:LYS:HB3	6	5.1
(1,960)	1:487:A:GLN:HG3	1:535:A:LYS:HB3	6	5.1
(1,960)	1:487:A:GLN:HG2	1:535:A:LYS:HB3	9	5.1
(1,960)	1:487:A:GLN:HG3	1:535:A:LYS:HB3	9	5.1
(1,283)	1:486:A:MET:H	1:535:A:LYS:HG2	15	5.1
(1,234)	1:538:A:PRO:HG2	1:541:A:VAL:H	5	5.09
(1,234)	1:538:A:PRO:HG2	1:541:A:VAL:H	7	5.09
(1,959)	1:487:A:GLN:HG2	1:535:A:LYS:HA	17	5.06
(1,959)	1:487:A:GLN:HG3	1:535:A:LYS:HA	17	5.06
(1,283)	1:486:A:MET:H	1:535:A:LYS:HG2	20	5.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,283)	1:486:A:MET:H	1:535:A:LYS:HG2	14	5.05
(1,234)	1:538:A:PRO:HG2	1:541:A:VAL:H	14	5.05
(1,960)	1:487:A:GLN:HG2	1:535:A:LYS:HB3	5	5.04
(1,960)	1:487:A:GLN:HG3	1:535:A:LYS:HB3	5	5.04
(1,686)	1:483:A:VAL:HG11	1:535:A:LYS:HG2	1	5.04
(1,686)	1:483:A:VAL:HG12	1:535:A:LYS:HG2	1	5.04
(1,686)	1:483:A:VAL:HG13	1:535:A:LYS:HG2	1	5.04
(1,959)	1:487:A:GLN:HG2	1:535:A:LYS:HA	18	5.03
(1,959)	1:487:A:GLN:HG3	1:535:A:LYS:HA	18	5.03
(1,960)	1:487:A:GLN:HG2	1:535:A:LYS:HB3	8	5.02
(1,960)	1:487:A:GLN:HG3	1:535:A:LYS:HB3	8	5.02
(1,960)	1:487:A:GLN:HG2	1:535:A:LYS:HB3	17	5.02
(1,960)	1:487:A:GLN:HG3	1:535:A:LYS:HB3	17	5.02
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD11	18	5.02
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD12	18	5.02
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD13	18	5.02
(1,283)	1:486:A:MET:H	1:535:A:LYS:HG2	6	5.02
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG21	3	5.01
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG22	3	5.01
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG23	3	5.01
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG21	3	5.01
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG22	3	5.01
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG23	3	5.01
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG21	3	5.01
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG22	3	5.01
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG23	3	5.01
(1,283)	1:486:A:MET:H	1:535:A:LYS:HG2	8	5.0
(1,283)	1:486:A:MET:H	1:535:A:LYS:HG2	9	5.0
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG21	6	4.99
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG22	6	4.99
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG23	6	4.99
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG21	6	4.99
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG22	6	4.99
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG23	6	4.99
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG21	6	4.99
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG22	6	4.99
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG23	6	4.99
(1,283)	1:486:A:MET:H	1:535:A:LYS:HG2	10	4.99
(1,283)	1:486:A:MET:H	1:535:A:LYS:HG2	19	4.98
(1,234)	1:538:A:PRO:HG2	1:541:A:VAL:H	8	4.98
(1,506)	1:491:A:ILE:HG12	1:555:A:MET:HG2	18	4.97
(1,283)	1:486:A:MET:H	1:535:A:LYS:HG2	2	4.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,283)	1:486:A:MET:H	1:535:A:LYS:HG2	11	4.96
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB1	7	4.95
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB2	7	4.95
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB3	7	4.95
(1,283)	1:486:A:MET:H	1:535:A:LYS:HG2	12	4.95
(1,234)	1:538:A:PRO:HG2	1:541:A:VAL:H	6	4.93
(1,283)	1:486:A:MET:H	1:535:A:LYS:HG2	17	4.91
(1,234)	1:538:A:PRO:HG2	1:541:A:VAL:H	3	4.9
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB1	15	4.89
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB2	15	4.89
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB3	15	4.89
(1,283)	1:486:A:MET:H	1:535:A:LYS:HG2	5	4.89
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD11	3	4.88
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD12	3	4.88
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD13	3	4.88
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB1	4	4.86
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB2	4	4.86
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB3	4	4.86
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB1	8	4.86
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB2	8	4.86
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB3	8	4.86
(1,234)	1:538:A:PRO:HG2	1:541:A:VAL:H	10	4.86
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD11	6	4.85
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD12	6	4.85
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD13	6	4.85
(1,787)	1:487:A:GLN:HG2	1:535:A:LYS:HA	12	4.85
(1,787)	1:487:A:GLN:HG3	1:535:A:LYS:HA	12	4.85
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB1	18	4.85
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB2	18	4.85
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB3	18	4.85
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB1	4	4.84
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB2	4	4.84
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB3	4	4.84
(1,234)	1:538:A:PRO:HG2	1:541:A:VAL:H	4	4.84
(1,825)	1:549:A:ARG:HB2	1:552:A:ASN:HA	2	4.83
(1,825)	1:549:A:ARG:HB2	1:552:A:ASN:HA	13	4.83
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD11	10	4.83
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD12	10	4.83
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD13	10	4.83
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD11	15	4.83
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD12	15	4.83
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD13	15	4.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB1	15	4.83
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB2	15	4.83
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB3	15	4.83
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB1	1	4.83
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB2	1	4.83
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB3	1	4.83
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB1	12	4.83
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB2	12	4.83
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB3	12	4.83
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG21	2	4.83
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG22	2	4.83
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG23	2	4.83
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG21	2	4.83
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG22	2	4.83
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG23	2	4.83
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG21	2	4.83
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG22	2	4.83
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG23	2	4.83
(1,825)	1:549:A:ARG:HB2	1:552:A:ASN:HA	9	4.82
(1,787)	1:487:A:GLN:HG2	1:535:A:LYS:HA	4	4.82
(1,787)	1:487:A:GLN:HG3	1:535:A:LYS:HA	4	4.82
(1,825)	1:549:A:ARG:HB2	1:552:A:ASN:HA	6	4.81
(1,825)	1:549:A:ARG:HB2	1:552:A:ASN:HA	14	4.81
(1,825)	1:549:A:ARG:HB2	1:552:A:ASN:HA	8	4.8
(1,825)	1:549:A:ARG:HB2	1:552:A:ASN:HA	19	4.8
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD11	20	4.8
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD12	20	4.8
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD13	20	4.8
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB1	18	4.8
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB2	18	4.8
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB3	18	4.8
(1,234)	1:538:A:PRO:HG2	1:541:A:VAL:H	2	4.8
(1,825)	1:549:A:ARG:HB2	1:552:A:ASN:HA	3	4.79
(1,825)	1:549:A:ARG:HB2	1:552:A:ASN:HA	4	4.79
(1,825)	1:549:A:ARG:HB2	1:552:A:ASN:HA	7	4.79
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD11	4	4.79
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD12	4	4.79
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD13	4	4.79
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD11	16	4.79
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD12	16	4.79
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD13	16	4.79
(1,825)	1:549:A:ARG:HB2	1:552:A:ASN:HA	10	4.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,825)	1:549:A:ARG:HB2	1:552:A:ASN:HA	16	4.78
(1,825)	1:549:A:ARG:HB2	1:552:A:ASN:HA	17	4.77
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD11	12	4.77
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD12	12	4.77
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD13	12	4.77
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB1	19	4.77
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB2	19	4.77
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB3	19	4.77
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG21	5	4.77
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG22	5	4.77
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG23	5	4.77
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG21	5	4.77
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG22	5	4.77
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG23	5	4.77
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG21	5	4.77
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG22	5	4.77
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG23	5	4.77
(1,825)	1:549:A:ARG:HB2	1:552:A:ASN:HA	11	4.76
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD11	9	4.76
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD12	9	4.76
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD13	9	4.76
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB1	12	4.76
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB2	12	4.76
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB3	12	4.76
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD11	8	4.75
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD12	8	4.75
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD13	8	4.75
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB1	13	4.75
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB2	13	4.75
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB3	13	4.75
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG21	4	4.75
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG22	4	4.75
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG23	4	4.75
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG21	4	4.75
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG22	4	4.75
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG23	4	4.75
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG21	4	4.75
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG22	4	4.75
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG23	4	4.75
(1,510)	1:488:A:LEU:HD11	1:563:A:ALA:HA	11	4.75
(1,510)	1:488:A:LEU:HD12	1:563:A:ALA:HA	11	4.75
(1,510)	1:488:A:LEU:HD13	1:563:A:ALA:HA	11	4.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,506)	1:491:A:ILE:HG12	1:555:A:MET:HG2	4	4.75
(1,825)	1:549:A:ARG:HB2	1:552:A:ASN:HA	5	4.74
(1,825)	1:549:A:ARG:HB2	1:552:A:ASN:HA	18	4.74
(1,787)	1:487:A:GLN:HG2	1:535:A:LYS:HA	19	4.74
(1,787)	1:487:A:GLN:HG3	1:535:A:LYS:HA	19	4.74
(1,506)	1:491:A:ILE:HG12	1:555:A:MET:HG2	10	4.74
(1,234)	1:538:A:PRO:HG2	1:541:A:VAL:H	13	4.74
(1,825)	1:549:A:ARG:HB2	1:552:A:ASN:HA	20	4.73
(1,787)	1:487:A:GLN:HG2	1:535:A:LYS:HA	15	4.73
(1,787)	1:487:A:GLN:HG3	1:535:A:LYS:HA	15	4.73
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB1	3	4.73
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB2	3	4.73
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB3	3	4.73
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG21	13	4.73
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG22	13	4.73
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG23	13	4.73
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG21	13	4.73
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG22	13	4.73
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG23	13	4.73
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG21	13	4.73
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG22	13	4.73
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG23	13	4.73
(1,825)	1:549:A:ARG:HB2	1:552:A:ASN:HA	12	4.72
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD11	19	4.72
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD12	19	4.72
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD13	19	4.72
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB1	7	4.72
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB2	7	4.72
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB3	7	4.72
(1,506)	1:491:A:ILE:HG12	1:555:A:MET:HG2	12	4.72
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD11	1	4.71
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD12	1	4.71
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD13	1	4.71
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD11	5	4.71
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD12	5	4.71
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD13	5	4.71
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD11	13	4.71
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD12	13	4.71
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD13	13	4.71
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB1	20	4.71
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB2	20	4.71
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB3	20	4.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG21	17	4.71
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG22	17	4.71
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG23	17	4.71
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG21	17	4.71
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG22	17	4.71
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG23	17	4.71
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG21	17	4.71
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG22	17	4.71
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG23	17	4.71
(1,283)	1:486:A:MET:H	1:535:A:LYS:HG2	18	4.71
(1,234)	1:538:A:PRO:HG2	1:541:A:VAL:H	15	4.71
(1,787)	1:487:A:GLN:HG2	1:535:A:LYS:HA	7	4.7
(1,787)	1:487:A:GLN:HG3	1:535:A:LYS:HA	7	4.7
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB1	13	4.7
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB2	13	4.7
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB3	13	4.7
(1,825)	1:549:A:ARG:HB2	1:552:A:ASN:HA	1	4.69
(1,506)	1:491:A:ILE:HG12	1:555:A:MET:HG2	9	4.69
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB1	8	4.68
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB2	8	4.68
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB3	8	4.68
(1,506)	1:491:A:ILE:HG12	1:555:A:MET:HG2	20	4.68
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD11	11	4.67
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD12	11	4.67
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD13	11	4.67
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD11	17	4.67
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD12	17	4.67
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD13	17	4.67
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB1	1	4.67
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB2	1	4.67
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB3	1	4.67
(1,787)	1:487:A:GLN:HG2	1:535:A:LYS:HA	14	4.66
(1,787)	1:487:A:GLN:HG3	1:535:A:LYS:HA	14	4.66
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB1	6	4.66
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB2	6	4.66
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB3	6	4.66
(1,506)	1:491:A:ILE:HG12	1:555:A:MET:HG2	14	4.66
(1,234)	1:538:A:PRO:HG2	1:541:A:VAL:H	20	4.66
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD11	2	4.65
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD12	2	4.65
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD13	2	4.65
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD11	14	4.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD12	14	4.65
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD13	14	4.65
(1,787)	1:487:A:GLN:HG2	1:535:A:LYS:HA	13	4.65
(1,787)	1:487:A:GLN:HG3	1:535:A:LYS:HA	13	4.65
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB1	16	4.65
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB2	16	4.65
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB3	16	4.65
(1,787)	1:487:A:GLN:HG2	1:535:A:LYS:HA	1	4.63
(1,787)	1:487:A:GLN:HG3	1:535:A:LYS:HA	1	4.63
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB1	19	4.63
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB2	19	4.63
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB3	19	4.63
(1,787)	1:487:A:GLN:HG2	1:535:A:LYS:HA	3	4.61
(1,787)	1:487:A:GLN:HG3	1:535:A:LYS:HA	3	4.61
(1,787)	1:487:A:GLN:HG2	1:535:A:LYS:HA	16	4.61
(1,787)	1:487:A:GLN:HG3	1:535:A:LYS:HA	16	4.61
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG21	9	4.61
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG22	9	4.61
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG23	9	4.61
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG21	9	4.61
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG22	9	4.61
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG23	9	4.61
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG21	9	4.61
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG22	9	4.61
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG23	9	4.61
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG21	10	4.61
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG22	10	4.61
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG23	10	4.61
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG21	10	4.61
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG22	10	4.61
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG23	10	4.61
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG21	10	4.61
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG22	10	4.61
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG23	10	4.61
(1,825)	1:549:A:ARG:HB2	1:552:A:ASN:HA	15	4.59
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG21	11	4.59
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG22	11	4.59
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG23	11	4.59
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG21	11	4.59
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG22	11	4.59
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG23	11	4.59
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG21	11	4.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG22	11	4.59
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG23	11	4.59
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG21	15	4.59
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG22	15	4.59
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG23	15	4.59
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG21	15	4.59
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG22	15	4.59
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG23	15	4.59
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG21	15	4.59
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG22	15	4.59
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG23	15	4.59
(1,234)	1:538:A:PRO:HG2	1:541:A:VAL:H	9	4.59
(1,234)	1:538:A:PRO:HG2	1:541:A:VAL:H	18	4.58
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB1	10	4.57
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB2	10	4.57
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB3	10	4.57
(1,506)	1:491:A:ILE:HG12	1:555:A:MET:HG2	5	4.57
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG21	19	4.56
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG22	19	4.56
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG23	19	4.56
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG21	19	4.56
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG22	19	4.56
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG23	19	4.56
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG21	19	4.56
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG22	19	4.56
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG23	19	4.56
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD11	7	4.55
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD12	7	4.55
(1,802)	1:504:A:ILE:HA	1:550:A:ILE:HD13	7	4.55
(1,787)	1:487:A:GLN:HG2	1:535:A:LYS:HA	20	4.55
(1,787)	1:487:A:GLN:HG3	1:535:A:LYS:HA	20	4.55
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB1	16	4.55
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB2	16	4.55
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB3	16	4.55
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB1	5	4.55
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB2	5	4.55
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB3	5	4.55
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG21	12	4.55
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG22	12	4.55
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG23	12	4.55
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG21	12	4.55
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG22	12	4.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG23	12	4.55
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG21	12	4.55
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG22	12	4.55
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG23	12	4.55
(1,506)	1:491:A:ILE:HG12	1:555:A:MET:HG2	13	4.54
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB1	20	4.53
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB2	20	4.53
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB3	20	4.53
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB1	14	4.53
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB2	14	4.53
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB3	14	4.53
(1,510)	1:488:A:LEU:HD11	1:563:A:ALA:HA	1	4.53
(1,510)	1:488:A:LEU:HD12	1:563:A:ALA:HA	1	4.53
(1,510)	1:488:A:LEU:HD13	1:563:A:ALA:HA	1	4.53
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB1	2	4.52
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB2	2	4.52
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB3	2	4.52
(1,234)	1:538:A:PRO:HG2	1:541:A:VAL:H	16	4.51
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB1	9	4.5
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB2	9	4.5
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB3	9	4.5
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG21	1	4.5
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG22	1	4.5
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG23	1	4.5
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG21	1	4.5
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG22	1	4.5
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG23	1	4.5
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG21	1	4.5
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG22	1	4.5
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG23	1	4.5
(1,506)	1:491:A:ILE:HG12	1:555:A:MET:HG2	19	4.5
(1,787)	1:487:A:GLN:HG2	1:535:A:LYS:HA	10	4.49
(1,787)	1:487:A:GLN:HG3	1:535:A:LYS:HA	10	4.49
(1,506)	1:491:A:ILE:HG12	1:555:A:MET:HG2	2	4.49
(1,506)	1:491:A:ILE:HG12	1:555:A:MET:HG2	16	4.49
(1,234)	1:538:A:PRO:HG2	1:541:A:VAL:H	12	4.49
(1,787)	1:487:A:GLN:HG2	1:535:A:LYS:HA	6	4.48
(1,787)	1:487:A:GLN:HG3	1:535:A:LYS:HA	6	4.48
(1,510)	1:488:A:LEU:HD11	1:563:A:ALA:HA	8	4.48
(1,510)	1:488:A:LEU:HD12	1:563:A:ALA:HA	8	4.48
(1,510)	1:488:A:LEU:HD13	1:563:A:ALA:HA	8	4.48
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB1	3	4.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB2	3	4.46
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB3	3	4.46
(1,234)	1:538:A:PRO:HG2	1:541:A:VAL:H	19	4.46
(1,787)	1:487:A:GLN:HG2	1:535:A:LYS:HA	2	4.45
(1,787)	1:487:A:GLN:HG3	1:535:A:LYS:HA	2	4.45
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB1	5	4.45
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB2	5	4.45
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB3	5	4.45
(1,510)	1:488:A:LEU:HD11	1:563:A:ALA:HA	12	4.45
(1,510)	1:488:A:LEU:HD12	1:563:A:ALA:HA	12	4.45
(1,510)	1:488:A:LEU:HD13	1:563:A:ALA:HA	12	4.45
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB1	10	4.44
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB2	10	4.44
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB3	10	4.44
(1,510)	1:488:A:LEU:HD11	1:563:A:ALA:HA	20	4.44
(1,510)	1:488:A:LEU:HD12	1:563:A:ALA:HA	20	4.44
(1,510)	1:488:A:LEU:HD13	1:563:A:ALA:HA	20	4.44
(1,506)	1:491:A:ILE:HG12	1:555:A:MET:HG2	1	4.44
(1,506)	1:491:A:ILE:HG12	1:555:A:MET:HG2	6	4.44
(1,506)	1:491:A:ILE:HG12	1:555:A:MET:HG2	11	4.43
(1,234)	1:538:A:PRO:HG2	1:541:A:VAL:H	11	4.43
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB1	6	4.42
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB2	6	4.42
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB3	6	4.42
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB1	17	4.42
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB2	17	4.42
(1,523)	1:532:A:GLU:HB3	1:563:A:ALA:HB3	17	4.42
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG21	20	4.42
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG22	20	4.42
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG23	20	4.42
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG21	20	4.42
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG22	20	4.42
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG23	20	4.42
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG21	20	4.42
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG22	20	4.42
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG23	20	4.42
(1,506)	1:491:A:ILE:HG12	1:555:A:MET:HG2	17	4.42
(1,787)	1:487:A:GLN:HG2	1:535:A:LYS:HA	8	4.41
(1,787)	1:487:A:GLN:HG3	1:535:A:LYS:HA	8	4.41
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG21	16	4.41
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG22	16	4.41
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG23	16	4.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG21	16	4.41
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG22	16	4.41
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG23	16	4.41
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG21	16	4.41
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG22	16	4.41
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG23	16	4.41
(1,787)	1:487:A:GLN:HG2	1:535:A:LYS:HA	5	4.4
(1,787)	1:487:A:GLN:HG3	1:535:A:LYS:HA	5	4.4
(1,787)	1:487:A:GLN:HG2	1:535:A:LYS:HA	9	4.4
(1,787)	1:487:A:GLN:HG3	1:535:A:LYS:HA	9	4.4
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB1	9	4.4
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB2	9	4.4
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB3	9	4.4
(1,506)	1:491:A:ILE:HG12	1:555:A:MET:HG2	7	4.4
(1,506)	1:491:A:ILE:HG12	1:555:A:MET:HG2	15	4.4
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB1	2	4.38
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB2	2	4.38
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB3	2	4.38
(1,510)	1:488:A:LEU:HD11	1:563:A:ALA:HA	6	4.38
(1,510)	1:488:A:LEU:HD12	1:563:A:ALA:HA	6	4.38
(1,510)	1:488:A:LEU:HD13	1:563:A:ALA:HA	6	4.38
(1,510)	1:488:A:LEU:HD11	1:563:A:ALA:HA	7	4.38
(1,510)	1:488:A:LEU:HD12	1:563:A:ALA:HA	7	4.38
(1,510)	1:488:A:LEU:HD13	1:563:A:ALA:HA	7	4.38
(1,506)	1:491:A:ILE:HG12	1:555:A:MET:HG2	3	4.38
(1,234)	1:538:A:PRO:HG2	1:541:A:VAL:H	1	4.38
(1,510)	1:488:A:LEU:HD11	1:563:A:ALA:HA	13	4.36
(1,510)	1:488:A:LEU:HD12	1:563:A:ALA:HA	13	4.36
(1,510)	1:488:A:LEU:HD13	1:563:A:ALA:HA	13	4.36
(1,510)	1:488:A:LEU:HD11	1:563:A:ALA:HA	19	4.36
(1,510)	1:488:A:LEU:HD12	1:563:A:ALA:HA	19	4.36
(1,510)	1:488:A:LEU:HD13	1:563:A:ALA:HA	19	4.36
(1,787)	1:487:A:GLN:HG2	1:535:A:LYS:HA	17	4.35
(1,787)	1:487:A:GLN:HG3	1:535:A:LYS:HA	17	4.35
(1,510)	1:488:A:LEU:HD11	1:563:A:ALA:HA	16	4.35
(1,510)	1:488:A:LEU:HD12	1:563:A:ALA:HA	16	4.35
(1,510)	1:488:A:LEU:HD13	1:563:A:ALA:HA	16	4.35
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB2	1	4.34
(1,936)	1:483:A:VAL:HB	1:534:A:PRO:HB3	1	4.34
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG21	7	4.34
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG22	7	4.34
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG23	7	4.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG21	7	4.34
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG22	7	4.34
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG23	7	4.34
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG21	7	4.34
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG22	7	4.34
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG23	7	4.34
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG21	18	4.34
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG22	18	4.34
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG23	18	4.34
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG21	18	4.34
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG22	18	4.34
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG23	18	4.34
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG21	18	4.34
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG22	18	4.34
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG23	18	4.34
(1,787)	1:487:A:GLN:HG2	1:535:A:LYS:HA	18	4.32
(1,787)	1:487:A:GLN:HG3	1:535:A:LYS:HA	18	4.32
(1,510)	1:488:A:LEU:HD11	1:563:A:ALA:HA	15	4.32
(1,510)	1:488:A:LEU:HD12	1:563:A:ALA:HA	15	4.32
(1,510)	1:488:A:LEU:HD13	1:563:A:ALA:HA	15	4.32
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB1	14	4.29
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB2	14	4.29
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB3	14	4.29
(1,535)	1:538:A:PRO:HG2	1:540:A:GLU:HB2	14	4.29
(1,510)	1:488:A:LEU:HD11	1:563:A:ALA:HA	4	4.29
(1,510)	1:488:A:LEU:HD12	1:563:A:ALA:HA	4	4.29
(1,510)	1:488:A:LEU:HD13	1:563:A:ALA:HA	4	4.29
(1,535)	1:538:A:PRO:HG2	1:540:A:GLU:HB2	5	4.28
(1,506)	1:491:A:ILE:HG12	1:555:A:MET:HG2	8	4.28
(1,535)	1:538:A:PRO:HG2	1:540:A:GLU:HB2	7	4.26
(1,510)	1:488:A:LEU:HD11	1:563:A:ALA:HA	3	4.26
(1,510)	1:488:A:LEU:HD12	1:563:A:ALA:HA	3	4.26
(1,510)	1:488:A:LEU:HD13	1:563:A:ALA:HA	3	4.26
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB1	17	4.25
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB2	17	4.25
(1,705)	1:532:A:GLU:HB2	1:563:A:ALA:HB3	17	4.25
(1,510)	1:488:A:LEU:HD11	1:563:A:ALA:HA	10	4.25
(1,510)	1:488:A:LEU:HD12	1:563:A:ALA:HA	10	4.25
(1,510)	1:488:A:LEU:HD13	1:563:A:ALA:HA	10	4.25
(1,510)	1:488:A:LEU:HD11	1:563:A:ALA:HA	14	4.25
(1,510)	1:488:A:LEU:HD12	1:563:A:ALA:HA	14	4.25
(1,510)	1:488:A:LEU:HD13	1:563:A:ALA:HA	14	4.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD11	18	4.24
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD12	18	4.24
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD13	18	4.24
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD11	18	4.24
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD12	18	4.24
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD13	18	4.24
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD11	18	4.24
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD12	18	4.24
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD13	18	4.24
(1,510)	1:488:A:LEU:HD11	1:563:A:ALA:HA	18	4.22
(1,510)	1:488:A:LEU:HD12	1:563:A:ALA:HA	18	4.22
(1,510)	1:488:A:LEU:HD13	1:563:A:ALA:HA	18	4.22
(1,568)	1:483:A:VAL:HG11	1:535:A:LYS:HG3	8	4.21
(1,568)	1:483:A:VAL:HG12	1:535:A:LYS:HG3	8	4.21
(1,568)	1:483:A:VAL:HG13	1:535:A:LYS:HG3	8	4.21
(1,510)	1:488:A:LEU:HD11	1:563:A:ALA:HA	9	4.21
(1,510)	1:488:A:LEU:HD12	1:563:A:ALA:HA	9	4.21
(1,510)	1:488:A:LEU:HD13	1:563:A:ALA:HA	9	4.21
(1,535)	1:538:A:PRO:HG2	1:540:A:GLU:HB2	4	4.2
(1,568)	1:483:A:VAL:HG11	1:535:A:LYS:HG3	2	4.19
(1,568)	1:483:A:VAL:HG12	1:535:A:LYS:HG3	2	4.19
(1,568)	1:483:A:VAL:HG13	1:535:A:LYS:HG3	2	4.19
(1,535)	1:538:A:PRO:HG2	1:540:A:GLU:HB2	8	4.18
(1,535)	1:538:A:PRO:HG2	1:540:A:GLU:HB2	13	4.18
(1,510)	1:488:A:LEU:HD11	1:563:A:ALA:HA	2	4.18
(1,510)	1:488:A:LEU:HD12	1:563:A:ALA:HA	2	4.18
(1,510)	1:488:A:LEU:HD13	1:563:A:ALA:HA	2	4.18
(1,797)	1:487:A:GLN:HG3	1:535:A:LYS:HB2	12	4.17
(1,568)	1:483:A:VAL:HG11	1:535:A:LYS:HG3	10	4.16
(1,568)	1:483:A:VAL:HG12	1:535:A:LYS:HG3	10	4.16
(1,568)	1:483:A:VAL:HG13	1:535:A:LYS:HG3	10	4.16
(1,535)	1:538:A:PRO:HG2	1:540:A:GLU:HB2	6	4.16
(1,568)	1:483:A:VAL:HG11	1:535:A:LYS:HG3	14	4.15
(1,568)	1:483:A:VAL:HG12	1:535:A:LYS:HG3	14	4.15
(1,568)	1:483:A:VAL:HG13	1:535:A:LYS:HG3	14	4.15
(1,535)	1:538:A:PRO:HG2	1:540:A:GLU:HB2	2	4.15
(1,535)	1:538:A:PRO:HG2	1:540:A:GLU:HB2	17	4.15
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG21	8	4.15
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG22	8	4.15
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG23	8	4.15
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG21	8	4.15
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG22	8	4.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG23	8	4.15
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG21	8	4.15
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG22	8	4.15
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG23	8	4.15
(1,568)	1:483:A:VAL:HG11	1:535:A:LYS:HG3	5	4.14
(1,568)	1:483:A:VAL:HG12	1:535:A:LYS:HG3	5	4.14
(1,568)	1:483:A:VAL:HG13	1:535:A:LYS:HG3	5	4.14
(1,568)	1:483:A:VAL:HG11	1:535:A:LYS:HG3	15	4.14
(1,568)	1:483:A:VAL:HG12	1:535:A:LYS:HG3	15	4.14
(1,568)	1:483:A:VAL:HG13	1:535:A:LYS:HG3	15	4.14
(1,568)	1:483:A:VAL:HG11	1:535:A:LYS:HG3	17	4.14
(1,568)	1:483:A:VAL:HG12	1:535:A:LYS:HG3	17	4.14
(1,568)	1:483:A:VAL:HG13	1:535:A:LYS:HG3	17	4.14
(1,535)	1:538:A:PRO:HG2	1:540:A:GLU:HB2	3	4.14
(1,431)	1:542:A:LEU:HG	1:546:A:THR:H	12	4.14
(1,568)	1:483:A:VAL:HG11	1:535:A:LYS:HG3	16	4.13
(1,568)	1:483:A:VAL:HG12	1:535:A:LYS:HG3	16	4.13
(1,568)	1:483:A:VAL:HG13	1:535:A:LYS:HG3	16	4.13
(1,535)	1:538:A:PRO:HG2	1:540:A:GLU:HB2	1	4.13
(1,510)	1:488:A:LEU:HD11	1:563:A:ALA:HA	17	4.13
(1,510)	1:488:A:LEU:HD12	1:563:A:ALA:HA	17	4.13
(1,510)	1:488:A:LEU:HD13	1:563:A:ALA:HA	17	4.13
(1,797)	1:487:A:GLN:HG3	1:535:A:LYS:HB2	4	4.12
(1,568)	1:483:A:VAL:HG11	1:535:A:LYS:HG3	20	4.12
(1,568)	1:483:A:VAL:HG12	1:535:A:LYS:HG3	20	4.12
(1,568)	1:483:A:VAL:HG13	1:535:A:LYS:HG3	20	4.12
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG21	14	4.12
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG22	14	4.12
(1,516)	1:508:A:ILE:HG21	1:548:A:THR:HG23	14	4.12
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG21	14	4.12
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG22	14	4.12
(1,516)	1:508:A:ILE:HG22	1:548:A:THR:HG23	14	4.12
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG21	14	4.12
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG22	14	4.12
(1,516)	1:508:A:ILE:HG23	1:548:A:THR:HG23	14	4.12
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB2	1	4.11
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB3	1	4.11
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB2	1	4.11
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB3	1	4.11
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB2	1	4.11
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB3	1	4.11
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD11	17	4.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD12	17	4.11
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD13	17	4.11
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD11	17	4.11
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD12	17	4.11
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD13	17	4.11
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD11	17	4.11
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD12	17	4.11
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD13	17	4.11
(1,568)	1:483:A:VAL:HG11	1:535:A:LYS:HG3	4	4.11
(1,568)	1:483:A:VAL:HG12	1:535:A:LYS:HG3	4	4.11
(1,568)	1:483:A:VAL:HG13	1:535:A:LYS:HG3	4	4.11
(1,510)	1:488:A:LEU:HD11	1:563:A:ALA:HA	5	4.11
(1,510)	1:488:A:LEU:HD12	1:563:A:ALA:HA	5	4.11
(1,510)	1:488:A:LEU:HD13	1:563:A:ALA:HA	5	4.11
(1,568)	1:483:A:VAL:HG11	1:535:A:LYS:HG3	13	4.09
(1,568)	1:483:A:VAL:HG12	1:535:A:LYS:HG3	13	4.09
(1,568)	1:483:A:VAL:HG13	1:535:A:LYS:HG3	13	4.09
(1,568)	1:483:A:VAL:HG11	1:535:A:LYS:HG3	9	4.08
(1,568)	1:483:A:VAL:HG12	1:535:A:LYS:HG3	9	4.08
(1,568)	1:483:A:VAL:HG13	1:535:A:LYS:HG3	9	4.08
(1,535)	1:538:A:PRO:HG2	1:540:A:GLU:HB2	10	4.07
(1,568)	1:483:A:VAL:HG11	1:535:A:LYS:HG3	19	4.06
(1,568)	1:483:A:VAL:HG12	1:535:A:LYS:HG3	19	4.06
(1,568)	1:483:A:VAL:HG13	1:535:A:LYS:HG3	19	4.06
(1,535)	1:538:A:PRO:HG2	1:540:A:GLU:HB2	9	4.06
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB1	11	4.06
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB2	11	4.06
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB3	11	4.06
(1,568)	1:483:A:VAL:HG11	1:535:A:LYS:HG3	7	4.05
(1,568)	1:483:A:VAL:HG12	1:535:A:LYS:HG3	7	4.05
(1,568)	1:483:A:VAL:HG13	1:535:A:LYS:HG3	7	4.05
(1,568)	1:483:A:VAL:HG11	1:535:A:LYS:HG3	18	4.05
(1,568)	1:483:A:VAL:HG12	1:535:A:LYS:HG3	18	4.05
(1,568)	1:483:A:VAL:HG13	1:535:A:LYS:HG3	18	4.05
(1,535)	1:538:A:PRO:HG2	1:540:A:GLU:HB2	11	4.05
(1,535)	1:538:A:PRO:HG2	1:540:A:GLU:HB2	12	4.05
(1,535)	1:538:A:PRO:HG2	1:540:A:GLU:HB2	16	4.05
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD11	15	4.04
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD12	15	4.04
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD13	15	4.04
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD11	15	4.04
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD12	15	4.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD13	15	4.04
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD11	15	4.04
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD12	15	4.04
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD13	15	4.04
(1,568)	1:483:A:VAL:HG11	1:535:A:LYS:HG3	6	4.04
(1,568)	1:483:A:VAL:HG12	1:535:A:LYS:HG3	6	4.04
(1,568)	1:483:A:VAL:HG13	1:535:A:LYS:HG3	6	4.04
(1,535)	1:538:A:PRO:HG2	1:540:A:GLU:HB2	18	4.04
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD11	20	4.02
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD12	20	4.02
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD13	20	4.02
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD11	20	4.02
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD12	20	4.02
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD13	20	4.02
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD11	20	4.02
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD12	20	4.02
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD13	20	4.02
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD11	16	4.01
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD12	16	4.01
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD13	16	4.01
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD11	16	4.01
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD12	16	4.01
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD13	16	4.01
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD11	16	4.01
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD12	16	4.01
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD13	16	4.01
(1,181)	1:487:A:GLN:H	1:535:A:LYS:HA	4	4.01
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD11	3	4.0
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD12	3	4.0
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD13	3	4.0
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD11	3	4.0
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD12	3	4.0
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD13	3	4.0
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD11	3	4.0
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD12	3	4.0
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD13	3	4.0
(1,568)	1:483:A:VAL:HG11	1:535:A:LYS:HG3	3	4.0
(1,568)	1:483:A:VAL:HG12	1:535:A:LYS:HG3	3	4.0
(1,568)	1:483:A:VAL:HG13	1:535:A:LYS:HG3	3	4.0
(1,535)	1:538:A:PRO:HG2	1:540:A:GLU:HB2	19	4.0
(1,535)	1:538:A:PRO:HG2	1:540:A:GLU:HB2	15	3.99
(1,535)	1:538:A:PRO:HG2	1:540:A:GLU:HB2	20	3.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD11	6	3.97
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD12	6	3.97
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD13	6	3.97
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD21	6	3.97
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD22	6	3.97
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD23	6	3.97
(1,568)	1:483:A:VAL:HG11	1:535:A:LYS:HG3	11	3.97
(1,568)	1:483:A:VAL:HG12	1:535:A:LYS:HG3	11	3.97
(1,568)	1:483:A:VAL:HG13	1:535:A:LYS:HG3	11	3.97
(1,181)	1:487:A:GLN:H	1:535:A:LYS:HA	12	3.97
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD11	6	3.96
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD12	6	3.96
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD13	6	3.96
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD11	6	3.96
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD12	6	3.96
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD13	6	3.96
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD11	6	3.96
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD12	6	3.96
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD13	6	3.96
(1,181)	1:487:A:GLN:H	1:535:A:LYS:HA	16	3.96
(1,568)	1:483:A:VAL:HG11	1:535:A:LYS:HG3	12	3.95
(1,568)	1:483:A:VAL:HG12	1:535:A:LYS:HG3	12	3.95
(1,568)	1:483:A:VAL:HG13	1:535:A:LYS:HG3	12	3.95
(1,797)	1:487:A:GLN:HG3	1:535:A:LYS:HB2	19	3.94
(1,181)	1:487:A:GLN:H	1:535:A:LYS:HA	1	3.94
(1,181)	1:487:A:GLN:H	1:535:A:LYS:HA	2	3.94
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD11	10	3.93
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD12	10	3.93
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD13	10	3.93
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD21	10	3.93
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD22	10	3.93
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD23	10	3.93
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD11	12	3.93
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD12	12	3.93
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD13	12	3.93
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD11	12	3.93
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD12	12	3.93
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD13	12	3.93
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD11	12	3.93
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD12	12	3.93
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD13	12	3.93
(1,181)	1:487:A:GLN:H	1:535:A:LYS:HA	9	3.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,181)	1:487:A:GLN:H	1:535:A:LYS:HA	14	3.93
(1,181)	1:487:A:GLN:H	1:535:A:LYS:HA	15	3.93
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD11	20	3.92
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD12	20	3.92
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD13	20	3.92
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD21	20	3.92
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD22	20	3.92
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD23	20	3.92
(1,797)	1:487:A:GLN:HG3	1:535:A:LYS:HB2	15	3.92
(1,181)	1:487:A:GLN:H	1:535:A:LYS:HA	5	3.91
(1,181)	1:487:A:GLN:H	1:535:A:LYS:HA	11	3.91
(1,181)	1:487:A:GLN:H	1:535:A:LYS:HA	17	3.91
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD11	2	3.9
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD12	2	3.9
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD13	2	3.9
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD21	2	3.9
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD22	2	3.9
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD23	2	3.9
(1,181)	1:487:A:GLN:H	1:535:A:LYS:HA	7	3.9
(1,181)	1:487:A:GLN:H	1:535:A:LYS:HA	13	3.9
(1,181)	1:487:A:GLN:H	1:535:A:LYS:HA	19	3.9
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB1	8	3.9
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB2	8	3.9
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB3	8	3.9
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD11	17	3.89
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD12	17	3.89
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD13	17	3.89
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD21	17	3.89
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD22	17	3.89
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD23	17	3.89
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD11	4	3.89
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD12	4	3.89
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD13	4	3.89
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD11	4	3.89
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD12	4	3.89
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD13	4	3.89
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD11	4	3.89
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD12	4	3.89
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD13	4	3.89
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD11	10	3.89
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD12	10	3.89
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD13	10	3.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD11	10	3.89
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD12	10	3.89
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD13	10	3.89
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD11	10	3.89
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD12	10	3.89
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD13	10	3.89
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD11	19	3.89
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD12	19	3.89
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD13	19	3.89
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD11	19	3.89
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD12	19	3.89
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD13	19	3.89
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD11	19	3.89
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD12	19	3.89
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD13	19	3.89
(1,797)	1:487:A:GLN:HG3	1:535:A:LYS:HB2	7	3.89
(1,181)	1:487:A:GLN:H	1:535:A:LYS:HA	8	3.89
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD11	13	3.88
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD12	13	3.88
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD13	13	3.88
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD11	13	3.88
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD12	13	3.88
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD13	13	3.88
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD11	13	3.88
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD12	13	3.88
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD13	13	3.88
(1,181)	1:487:A:GLN:H	1:535:A:LYS:HA	3	3.88
(1,181)	1:487:A:GLN:H	1:535:A:LYS:HA	20	3.88
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD11	5	3.87
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD12	5	3.87
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD13	5	3.87
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD11	5	3.87
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD12	5	3.87
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD13	5	3.87
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD11	5	3.87
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD12	5	3.87
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD13	5	3.87
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD11	9	3.86
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD12	9	3.86
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD13	9	3.86
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD11	9	3.86
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD12	9	3.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD13	9	3.86
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD11	9	3.86
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD12	9	3.86
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD13	9	3.86
(1,797)	1:487:A:GLN:HG3	1:535:A:LYS:HB2	1	3.85
(1,181)	1:487:A:GLN:H	1:535:A:LYS:HA	6	3.85
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD11	16	3.84
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD12	16	3.84
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD13	16	3.84
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD21	16	3.84
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD22	16	3.84
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD23	16	3.84
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD11	11	3.84
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD12	11	3.84
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD13	11	3.84
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD11	11	3.84
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD12	11	3.84
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD13	11	3.84
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD11	11	3.84
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD12	11	3.84
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD13	11	3.84
(1,181)	1:487:A:GLN:H	1:535:A:LYS:HA	10	3.84
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB1	18	3.84
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB2	18	3.84
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB3	18	3.84
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD11	2	3.83
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD12	2	3.83
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD13	2	3.83
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD11	2	3.83
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD12	2	3.83
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD13	2	3.83
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD11	2	3.83
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD12	2	3.83
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD13	2	3.83
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD11	8	3.83
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD12	8	3.83
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD13	8	3.83
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD11	8	3.83
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD12	8	3.83
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD13	8	3.83
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD11	8	3.83
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD12	8	3.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD13	8	3.83
(1,797)	1:487:A:GLN:HG3	1:535:A:LYS:HB2	13	3.83
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD11	15	3.81
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD12	15	3.81
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD13	15	3.81
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD21	15	3.81
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD22	15	3.81
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD23	15	3.81
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB1	20	3.81
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB2	20	3.81
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB3	20	3.81
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD11	5	3.8
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD12	5	3.8
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD13	5	3.8
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD21	5	3.8
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD22	5	3.8
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD23	5	3.8
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD11	8	3.8
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD12	8	3.8
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD13	8	3.8
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD21	8	3.8
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD22	8	3.8
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD23	8	3.8
(1,957)	1:487:A:GLN:HB2	1:535:A:LYS:HB2	12	3.8
(1,957)	1:487:A:GLN:HB3	1:535:A:LYS:HB2	12	3.8
(1,957)	1:487:A:GLN:HB2	1:535:A:LYS:HB2	18	3.8
(1,957)	1:487:A:GLN:HB3	1:535:A:LYS:HB2	18	3.8
(1,797)	1:487:A:GLN:HG3	1:535:A:LYS:HB2	14	3.8
(1,797)	1:487:A:GLN:HG3	1:535:A:LYS:HB2	16	3.8
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG21	15	3.8
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG22	15	3.8
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG23	15	3.8
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG21	13	3.78
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG22	13	3.78
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG23	13	3.78
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB1	1	3.78
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB2	1	3.78
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB3	1	3.78
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG21	2	3.77
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG22	2	3.77
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG23	2	3.77
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG21	4	3.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG22	4	3.77
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG23	4	3.77
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD11	9	3.76
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD12	9	3.76
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD13	9	3.76
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD21	9	3.76
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD22	9	3.76
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD23	9	3.76
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD11	1	3.75
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD12	1	3.75
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD13	1	3.75
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD11	1	3.75
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD12	1	3.75
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD13	1	3.75
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD11	1	3.75
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD12	1	3.75
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD13	1	3.75
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG21	8	3.75
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG22	8	3.75
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG23	8	3.75
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB1	17	3.75
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB2	17	3.75
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB3	17	3.75
(1,797)	1:487:A:GLN:HG3	1:535:A:LYS:HB2	3	3.74
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD11	7	3.73
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD12	7	3.73
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD13	7	3.73
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD11	7	3.73
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD12	7	3.73
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD13	7	3.73
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD11	7	3.73
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD12	7	3.73
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD13	7	3.73
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG21	12	3.73
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG22	12	3.73
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG23	12	3.73
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG21	18	3.73
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG22	18	3.73
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG23	18	3.73
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB1	15	3.73
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB2	15	3.73
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB3	15	3.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:488:A:LEU:H	1:563:A:ALA:H	1	3.73
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD11	14	3.72
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD12	14	3.72
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD13	14	3.72
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD21	14	3.72
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD22	14	3.72
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD23	14	3.72
(1,52)	1:488:A:LEU:H	1:563:A:ALA:H	8	3.72
(1,797)	1:487:A:GLN:HG3	1:535:A:LYS:HB2	18	3.71
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB1	16	3.71
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB2	16	3.71
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB3	16	3.71
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB1	5	3.7
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB2	5	3.7
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB3	5	3.7
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD11	1	3.69
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD12	1	3.69
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD13	1	3.69
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD21	1	3.69
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD22	1	3.69
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD23	1	3.69
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB1	6	3.69
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB2	6	3.69
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB3	6	3.69
(1,957)	1:487:A:GLN:HB2	1:535:A:LYS:HB2	4	3.67
(1,957)	1:487:A:GLN:HB3	1:535:A:LYS:HB2	4	3.67
(1,797)	1:487:A:GLN:HG3	1:535:A:LYS:HB2	20	3.67
(1,431)	1:542:A:LEU:HG	1:546:A:THR:H	13	3.67
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB1	12	3.67
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB2	12	3.67
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB3	12	3.67
(1,431)	1:542:A:LEU:HG	1:546:A:THR:H	15	3.66
(1,52)	1:488:A:LEU:H	1:563:A:ALA:H	11	3.66
(1,431)	1:542:A:LEU:HG	1:546:A:THR:H	2	3.65
(1,431)	1:542:A:LEU:HG	1:546:A:THR:H	4	3.65
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB1	9	3.65
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB2	9	3.65
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB3	9	3.65
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD11	19	3.63
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD12	19	3.63
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD13	19	3.63
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD21	19	3.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD22	19	3.63
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD23	19	3.63
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB1	7	3.63
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB2	7	3.63
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB3	7	3.63
(1,463)	1:549:A:ARG:HB2	1:552:A:ASN:H	13	3.62
(1,52)	1:488:A:LEU:H	1:563:A:ALA:H	20	3.62
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD11	14	3.61
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD12	14	3.61
(1,807)	1:507:A:ALA:HB1	1:550:A:ILE:HD13	14	3.61
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD11	14	3.61
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD12	14	3.61
(1,807)	1:507:A:ALA:HB2	1:550:A:ILE:HD13	14	3.61
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD11	14	3.61
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD12	14	3.61
(1,807)	1:507:A:ALA:HB3	1:550:A:ILE:HD13	14	3.61
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG21	14	3.61
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG22	14	3.61
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG23	14	3.61
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB1	2	3.61
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB2	2	3.61
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB3	2	3.61
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB1	19	3.61
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB2	19	3.61
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB3	19	3.61
(1,463)	1:549:A:ARG:HB2	1:552:A:ASN:H	2	3.6
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB1	10	3.6
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB2	10	3.6
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB3	10	3.6
(1,52)	1:488:A:LEU:H	1:563:A:ALA:H	17	3.6
(1,957)	1:487:A:GLN:HB2	1:535:A:LYS:HB2	9	3.59
(1,957)	1:487:A:GLN:HB3	1:535:A:LYS:HB2	9	3.59
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB2	11	3.59
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB3	11	3.59
(1,181)	1:487:A:GLN:H	1:535:A:LYS:HA	18	3.59
(1,431)	1:542:A:LEU:HG	1:546:A:THR:H	18	3.58
(1,52)	1:488:A:LEU:H	1:563:A:ALA:H	2	3.58
(1,52)	1:488:A:LEU:H	1:563:A:ALA:H	6	3.58
(1,957)	1:487:A:GLN:HB2	1:535:A:LYS:HB2	11	3.56
(1,957)	1:487:A:GLN:HB3	1:535:A:LYS:HB2	11	3.56
(1,797)	1:487:A:GLN:HG3	1:535:A:LYS:HB2	6	3.56
(1,797)	1:487:A:GLN:HG3	1:535:A:LYS:HB2	10	3.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,463)	1:549:A:ARG:HB2	1:552:A:ASN:H	6	3.56
(1,463)	1:549:A:ARG:HB2	1:552:A:ASN:H	9	3.56
(1,52)	1:488:A:LEU:H	1:563:A:ALA:H	5	3.56
(1,52)	1:488:A:LEU:H	1:563:A:ALA:H	16	3.56
(1,797)	1:487:A:GLN:HG3	1:535:A:LYS:HB2	2	3.55
(1,463)	1:549:A:ARG:HB2	1:552:A:ASN:H	3	3.55
(1,463)	1:549:A:ARG:HB2	1:552:A:ASN:H	7	3.55
(1,463)	1:549:A:ARG:HB2	1:552:A:ASN:H	14	3.55
(1,463)	1:549:A:ARG:HB2	1:552:A:ASN:H	19	3.55
(1,52)	1:488:A:LEU:H	1:563:A:ALA:H	9	3.54
(1,52)	1:488:A:LEU:H	1:563:A:ALA:H	10	3.54
(1,1132)	1:549:A:ARG:HD2	1:552:A:ASN:HB3	1	3.53
(1,1132)	1:549:A:ARG:HD3	1:552:A:ASN:HB3	1	3.53
(1,1132)	1:549:A:ARG:HD2	1:552:A:ASN:HB3	15	3.53
(1,1132)	1:549:A:ARG:HD3	1:552:A:ASN:HB3	15	3.53
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD11	12	3.53
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD12	12	3.53
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD13	12	3.53
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD21	12	3.53
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD22	12	3.53
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD23	12	3.53
(1,957)	1:487:A:GLN:HB2	1:535:A:LYS:HB2	5	3.53
(1,957)	1:487:A:GLN:HB3	1:535:A:LYS:HB2	5	3.53
(1,463)	1:549:A:ARG:HB2	1:552:A:ASN:H	4	3.53
(1,463)	1:549:A:ARG:HB2	1:552:A:ASN:H	8	3.53
(1,463)	1:549:A:ARG:HB2	1:552:A:ASN:H	16	3.53
(1,463)	1:549:A:ARG:HB2	1:552:A:ASN:H	17	3.53
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB1	3	3.53
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB2	3	3.53
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB3	3	3.53
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB1	4	3.53
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB2	4	3.53
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB3	4	3.53
(1,463)	1:549:A:ARG:HB2	1:552:A:ASN:H	10	3.52
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB1	13	3.52
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB2	13	3.52
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB3	13	3.52
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD11	4	3.51
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD12	4	3.51
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD13	4	3.51
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD21	4	3.51
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD22	4	3.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD23	4	3.51
(1,463)	1:549:A:ARG:HB2	1:552:A:ASN:H	11	3.51
(1,797)	1:487:A:GLN:HG3	1:535:A:LYS:HB2	9	3.5
(1,431)	1:542:A:LEU:HG	1:546:A:THR:H	8	3.5
(1,1132)	1:549:A:ARG:HD2	1:552:A:ASN:HB3	10	3.49
(1,1132)	1:549:A:ARG:HD3	1:552:A:ASN:HB3	10	3.49
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD11	7	3.48
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD12	7	3.48
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD13	7	3.48
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD21	7	3.48
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD22	7	3.48
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD23	7	3.48
(1,957)	1:487:A:GLN:HB2	1:535:A:LYS:HB2	1	3.48
(1,957)	1:487:A:GLN:HB3	1:535:A:LYS:HB2	1	3.48
(1,957)	1:487:A:GLN:HB2	1:535:A:LYS:HB2	2	3.48
(1,957)	1:487:A:GLN:HB3	1:535:A:LYS:HB2	2	3.48
(1,957)	1:487:A:GLN:HB2	1:535:A:LYS:HB2	16	3.48
(1,957)	1:487:A:GLN:HB3	1:535:A:LYS:HB2	16	3.48
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD11	3	3.47
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD12	3	3.47
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD13	3	3.47
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD21	3	3.47
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD22	3	3.47
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD23	3	3.47
(1,957)	1:487:A:GLN:HB2	1:535:A:LYS:HB2	19	3.47
(1,957)	1:487:A:GLN:HB3	1:535:A:LYS:HB2	19	3.47
(1,797)	1:487:A:GLN:HG3	1:535:A:LYS:HB2	5	3.47
(1,463)	1:549:A:ARG:HB2	1:552:A:ASN:H	5	3.47
(1,463)	1:549:A:ARG:HB2	1:552:A:ASN:H	18	3.47
(1,463)	1:549:A:ARG:HB2	1:552:A:ASN:H	20	3.47
(1,797)	1:487:A:GLN:HG3	1:535:A:LYS:HB2	8	3.46
(1,463)	1:549:A:ARG:HB2	1:552:A:ASN:H	12	3.46
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB1	14	3.45
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB2	14	3.45
(1,126)	1:533:A:LEU:H	1:563:A:ALA:HB3	14	3.45
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD11	13	3.44
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD12	13	3.44
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD13	13	3.44
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD21	13	3.44
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD22	13	3.44
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD23	13	3.44
(1,957)	1:487:A:GLN:HB2	1:535:A:LYS:HB2	17	3.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,957)	1:487:A:GLN:HB3	1:535:A:LYS:HB2	17	3.44
(1,52)	1:488:A:LEU:H	1:563:A:ALA:H	18	3.44
(1,1132)	1:549:A:ARG:HD2	1:552:A:ASN:HB3	4	3.43
(1,1132)	1:549:A:ARG:HD3	1:552:A:ASN:HB3	4	3.43
(1,1132)	1:549:A:ARG:HD2	1:552:A:ASN:HB3	17	3.43
(1,1132)	1:549:A:ARG:HD3	1:552:A:ASN:HB3	17	3.43
(1,463)	1:549:A:ARG:HB2	1:552:A:ASN:H	1	3.43
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB2	12	3.42
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB3	12	3.42
(1,797)	1:487:A:GLN:HG3	1:535:A:LYS:HB2	17	3.42
(1,1132)	1:549:A:ARG:HD2	1:552:A:ASN:HB3	9	3.41
(1,1132)	1:549:A:ARG:HD3	1:552:A:ASN:HB3	9	3.41
(1,1132)	1:549:A:ARG:HD2	1:552:A:ASN:HB3	12	3.41
(1,1132)	1:549:A:ARG:HD3	1:552:A:ASN:HB3	12	3.41
(1,1132)	1:549:A:ARG:HD2	1:552:A:ASN:HB3	19	3.4
(1,1132)	1:549:A:ARG:HD3	1:552:A:ASN:HB3	19	3.4
(1,1132)	1:549:A:ARG:HD2	1:552:A:ASN:HB3	20	3.39
(1,1132)	1:549:A:ARG:HD3	1:552:A:ASN:HB3	20	3.39
(1,1132)	1:549:A:ARG:HD2	1:552:A:ASN:HB3	16	3.38
(1,1132)	1:549:A:ARG:HD3	1:552:A:ASN:HB3	16	3.38
(1,1132)	1:549:A:ARG:HD2	1:552:A:ASN:HB3	18	3.38
(1,1132)	1:549:A:ARG:HD3	1:552:A:ASN:HB3	18	3.38
(1,686)	1:483:A:VAL:HG11	1:535:A:LYS:HG2	8	3.38
(1,686)	1:483:A:VAL:HG12	1:535:A:LYS:HG2	8	3.38
(1,686)	1:483:A:VAL:HG13	1:535:A:LYS:HG2	8	3.38
(1,1132)	1:549:A:ARG:HD2	1:552:A:ASN:HB3	11	3.37
(1,1132)	1:549:A:ARG:HD3	1:552:A:ASN:HB3	11	3.37
(1,957)	1:487:A:GLN:HB2	1:535:A:LYS:HB2	15	3.37
(1,957)	1:487:A:GLN:HB3	1:535:A:LYS:HB2	15	3.37
(1,686)	1:483:A:VAL:HG11	1:535:A:LYS:HG2	2	3.37
(1,686)	1:483:A:VAL:HG12	1:535:A:LYS:HG2	2	3.37
(1,686)	1:483:A:VAL:HG13	1:535:A:LYS:HG2	2	3.37
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB2	18	3.36
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB3	18	3.36
(1,957)	1:487:A:GLN:HB2	1:535:A:LYS:HB2	14	3.35
(1,957)	1:487:A:GLN:HB3	1:535:A:LYS:HB2	14	3.35
(1,686)	1:483:A:VAL:HG11	1:535:A:LYS:HG2	14	3.35
(1,686)	1:483:A:VAL:HG12	1:535:A:LYS:HG2	14	3.35
(1,686)	1:483:A:VAL:HG13	1:535:A:LYS:HG2	14	3.35
(1,1132)	1:549:A:ARG:HD2	1:552:A:ASN:HB3	7	3.34
(1,1132)	1:549:A:ARG:HD3	1:552:A:ASN:HB3	7	3.34
(1,550)	1:508:A:ILE:HG12	1:514:A:ILE:HG13	20	3.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1132)	1:549:A:ARG:HD2	1:552:A:ASN:HB3	14	3.33
(1,1132)	1:549:A:ARG:HD3	1:552:A:ASN:HB3	14	3.33
(1,957)	1:487:A:GLN:HB2	1:535:A:LYS:HB2	13	3.33
(1,957)	1:487:A:GLN:HB3	1:535:A:LYS:HB2	13	3.33
(1,550)	1:508:A:ILE:HG12	1:514:A:ILE:HG13	17	3.33
(1,463)	1:549:A:ARG:HB2	1:552:A:ASN:H	15	3.33
(1,1132)	1:549:A:ARG:HD2	1:552:A:ASN:HB3	8	3.32
(1,1132)	1:549:A:ARG:HD3	1:552:A:ASN:HB3	8	3.32
(1,957)	1:487:A:GLN:HB2	1:535:A:LYS:HB2	8	3.32
(1,957)	1:487:A:GLN:HB3	1:535:A:LYS:HB2	8	3.32
(1,686)	1:483:A:VAL:HG11	1:535:A:LYS:HG2	10	3.32
(1,686)	1:483:A:VAL:HG12	1:535:A:LYS:HG2	10	3.32
(1,686)	1:483:A:VAL:HG13	1:535:A:LYS:HG2	10	3.32
(1,686)	1:483:A:VAL:HG11	1:535:A:LYS:HG2	15	3.32
(1,686)	1:483:A:VAL:HG12	1:535:A:LYS:HG2	15	3.32
(1,686)	1:483:A:VAL:HG13	1:535:A:LYS:HG2	15	3.32
(1,550)	1:508:A:ILE:HG12	1:514:A:ILE:HG13	3	3.32
(1,1132)	1:549:A:ARG:HD2	1:552:A:ASN:HB3	5	3.31
(1,1132)	1:549:A:ARG:HD3	1:552:A:ASN:HB3	5	3.31
(1,957)	1:487:A:GLN:HB2	1:535:A:LYS:HB2	7	3.31
(1,957)	1:487:A:GLN:HB3	1:535:A:LYS:HB2	7	3.31
(1,686)	1:483:A:VAL:HG11	1:535:A:LYS:HG2	5	3.31
(1,686)	1:483:A:VAL:HG12	1:535:A:LYS:HG2	5	3.31
(1,686)	1:483:A:VAL:HG13	1:535:A:LYS:HG2	5	3.31
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB2	7	3.3
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB3	7	3.3
(1,1132)	1:549:A:ARG:HD2	1:552:A:ASN:HB3	2	3.29
(1,1132)	1:549:A:ARG:HD3	1:552:A:ASN:HB3	2	3.29
(1,1132)	1:549:A:ARG:HD2	1:552:A:ASN:HB3	13	3.29
(1,1132)	1:549:A:ARG:HD3	1:552:A:ASN:HB3	13	3.29
(1,686)	1:483:A:VAL:HG11	1:535:A:LYS:HG2	11	3.29
(1,686)	1:483:A:VAL:HG12	1:535:A:LYS:HG2	11	3.29
(1,686)	1:483:A:VAL:HG13	1:535:A:LYS:HG2	11	3.29
(1,686)	1:483:A:VAL:HG11	1:535:A:LYS:HG2	20	3.29
(1,686)	1:483:A:VAL:HG12	1:535:A:LYS:HG2	20	3.29
(1,686)	1:483:A:VAL:HG13	1:535:A:LYS:HG2	20	3.29
(1,1132)	1:549:A:ARG:HD2	1:552:A:ASN:HB3	6	3.28
(1,1132)	1:549:A:ARG:HD3	1:552:A:ASN:HB3	6	3.28
(1,686)	1:483:A:VAL:HG11	1:535:A:LYS:HG2	19	3.28
(1,686)	1:483:A:VAL:HG12	1:535:A:LYS:HG2	19	3.28
(1,686)	1:483:A:VAL:HG13	1:535:A:LYS:HG2	19	3.28
(1,686)	1:483:A:VAL:HG11	1:535:A:LYS:HG2	17	3.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,686)	1:483:A:VAL:HG12	1:535:A:LYS:HG2	17	3.27
(1,686)	1:483:A:VAL:HG13	1:535:A:LYS:HG2	17	3.27
(1,550)	1:508:A:ILE:HG12	1:514:A:ILE:HG13	9	3.27
(1,431)	1:542:A:LEU:HG	1:546:A:THR:H	14	3.27
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB2	13	3.26
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB3	13	3.26
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB2	14	3.26
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB3	14	3.26
(1,1132)	1:549:A:ARG:HD2	1:552:A:ASN:HB3	3	3.25
(1,1132)	1:549:A:ARG:HD3	1:552:A:ASN:HB3	3	3.25
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD11	18	3.25
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD12	18	3.25
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD13	18	3.25
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD21	18	3.25
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD22	18	3.25
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD23	18	3.25
(1,957)	1:487:A:GLN:HB2	1:535:A:LYS:HB2	20	3.25
(1,957)	1:487:A:GLN:HB3	1:535:A:LYS:HB2	20	3.25
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB2	16	3.25
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB3	16	3.25
(1,686)	1:483:A:VAL:HG11	1:535:A:LYS:HG2	7	3.25
(1,686)	1:483:A:VAL:HG12	1:535:A:LYS:HG2	7	3.25
(1,686)	1:483:A:VAL:HG13	1:535:A:LYS:HG2	7	3.25
(1,52)	1:488:A:LEU:H	1:563:A:ALA:H	3	3.24
(1,957)	1:487:A:GLN:HB2	1:535:A:LYS:HB2	3	3.23
(1,957)	1:487:A:GLN:HB3	1:535:A:LYS:HB2	3	3.23
(1,686)	1:483:A:VAL:HG11	1:535:A:LYS:HG2	12	3.23
(1,686)	1:483:A:VAL:HG12	1:535:A:LYS:HG2	12	3.23
(1,686)	1:483:A:VAL:HG13	1:535:A:LYS:HG2	12	3.23
(1,52)	1:488:A:LEU:H	1:563:A:ALA:H	12	3.23
(1,550)	1:508:A:ILE:HG12	1:514:A:ILE:HG13	13	3.22
(1,52)	1:488:A:LEU:H	1:563:A:ALA:H	14	3.22
(1,52)	1:488:A:LEU:H	1:563:A:ALA:H	15	3.22
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD11	11	3.21
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD12	11	3.21
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD13	11	3.21
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD21	11	3.21
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD22	11	3.21
(1,1094)	1:533:A:LEU:HB3	1:559:A:LEU:HD23	11	3.21
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB2	11	3.21
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB3	11	3.21
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB2	11	3.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB3	11	3.21
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB2	11	3.21
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB3	11	3.21
(1,957)	1:487:A:GLN:HB2	1:535:A:LYS:HB2	6	3.2
(1,957)	1:487:A:GLN:HB3	1:535:A:LYS:HB2	6	3.2
(1,709)	1:491:A:ILE:HA	1:555:A:MET:HG2	4	3.2
(1,686)	1:483:A:VAL:HG11	1:535:A:LYS:HG2	13	3.2
(1,686)	1:483:A:VAL:HG12	1:535:A:LYS:HG2	13	3.2
(1,686)	1:483:A:VAL:HG13	1:535:A:LYS:HG2	13	3.2
(1,631)	1:549:A:ARG:HA	1:554:A:PRO:HA	16	3.2
(1,550)	1:508:A:ILE:HG12	1:514:A:ILE:HG13	19	3.2
(1,52)	1:488:A:LEU:H	1:563:A:ALA:H	4	3.2
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB2	4	3.19
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB3	4	3.19
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB2	19	3.19
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB3	19	3.19
(1,686)	1:483:A:VAL:HG11	1:535:A:LYS:HG2	4	3.19
(1,686)	1:483:A:VAL:HG12	1:535:A:LYS:HG2	4	3.19
(1,686)	1:483:A:VAL:HG13	1:535:A:LYS:HG2	4	3.19
(1,686)	1:483:A:VAL:HG11	1:535:A:LYS:HG2	6	3.19
(1,686)	1:483:A:VAL:HG12	1:535:A:LYS:HG2	6	3.19
(1,686)	1:483:A:VAL:HG13	1:535:A:LYS:HG2	6	3.19
(1,686)	1:483:A:VAL:HG11	1:535:A:LYS:HG2	16	3.19
(1,686)	1:483:A:VAL:HG12	1:535:A:LYS:HG2	16	3.19
(1,686)	1:483:A:VAL:HG13	1:535:A:LYS:HG2	16	3.19
(1,631)	1:549:A:ARG:HA	1:554:A:PRO:HA	7	3.19
(1,631)	1:549:A:ARG:HA	1:554:A:PRO:HA	12	3.19
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD11	17	3.18
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD12	17	3.18
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD13	17	3.18
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD21	17	3.18
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD22	17	3.18
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD23	17	3.18
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD11	17	3.18
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD12	17	3.18
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD13	17	3.18
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD21	17	3.18
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD22	17	3.18
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD23	17	3.18
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD11	17	3.18
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD12	17	3.18
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD13	17	3.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD21	17	3.18
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD22	17	3.18
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD23	17	3.18
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB2	15	3.18
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB3	15	3.18
(1,686)	1:483:A:VAL:HG11	1:535:A:LYS:HG2	18	3.18
(1,686)	1:483:A:VAL:HG12	1:535:A:LYS:HG2	18	3.18
(1,686)	1:483:A:VAL:HG13	1:535:A:LYS:HG2	18	3.18
(1,631)	1:549:A:ARG:HA	1:554:A:PRO:HA	13	3.18
(1,550)	1:508:A:ILE:HG12	1:514:A:ILE:HG13	6	3.18
(1,52)	1:488:A:LEU:H	1:563:A:ALA:H	19	3.18
(1,631)	1:549:A:ARG:HA	1:554:A:PRO:HA	20	3.17
(1,52)	1:488:A:LEU:H	1:563:A:ALA:H	7	3.17
(1,631)	1:549:A:ARG:HA	1:554:A:PRO:HA	11	3.16
(1,631)	1:549:A:ARG:HA	1:554:A:PRO:HA	17	3.16
(1,631)	1:549:A:ARG:HA	1:554:A:PRO:HA	18	3.16
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB2	20	3.15
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB3	20	3.15
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB2	8	3.14
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB3	8	3.14
(1,686)	1:483:A:VAL:HG11	1:535:A:LYS:HG2	9	3.14
(1,686)	1:483:A:VAL:HG12	1:535:A:LYS:HG2	9	3.14
(1,686)	1:483:A:VAL:HG13	1:535:A:LYS:HG2	9	3.14
(1,631)	1:549:A:ARG:HA	1:554:A:PRO:HA	2	3.14
(1,631)	1:549:A:ARG:HA	1:554:A:PRO:HA	8	3.14
(1,957)	1:487:A:GLN:HB2	1:535:A:LYS:HB2	10	3.13
(1,957)	1:487:A:GLN:HB3	1:535:A:LYS:HB2	10	3.13
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB2	1	3.13
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB3	1	3.13
(1,550)	1:508:A:ILE:HG12	1:514:A:ILE:HG13	16	3.13
(1,52)	1:488:A:LEU:H	1:563:A:ALA:H	13	3.13
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD11	6	3.12
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD12	6	3.12
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD13	6	3.12
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD21	6	3.12
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD22	6	3.12
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD23	6	3.12
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD11	6	3.12
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD12	6	3.12
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD13	6	3.12
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD21	6	3.12
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD22	6	3.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD23	6	3.12
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD11	6	3.12
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD12	6	3.12
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD13	6	3.12
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD21	6	3.12
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD22	6	3.12
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD23	6	3.12
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD11	20	3.12
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD12	20	3.12
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD13	20	3.12
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD21	20	3.12
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD22	20	3.12
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD23	20	3.12
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD11	20	3.12
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD12	20	3.12
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD13	20	3.12
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD21	20	3.12
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD22	20	3.12
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD23	20	3.12
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD11	20	3.12
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD12	20	3.12
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD13	20	3.12
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD21	20	3.12
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD22	20	3.12
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD23	20	3.12
(1,715)	1:504:A:ILE:HB	1:522:A:ILE:HB	17	3.12
(1,631)	1:549:A:ARG:HA	1:554:A:PRO:HA	3	3.12
(1,631)	1:549:A:ARG:HA	1:554:A:PRO:HA	14	3.12
(1,631)	1:549:A:ARG:HA	1:554:A:PRO:HA	19	3.12
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB2	18	3.11
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB3	18	3.11
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB2	18	3.11
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB3	18	3.11
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB2	18	3.11
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB3	18	3.11
(1,631)	1:549:A:ARG:HA	1:554:A:PRO:HA	6	3.11
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG2	9	3.1
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG3	9	3.1
(1,631)	1:549:A:ARG:HA	1:554:A:PRO:HA	1	3.1
(1,631)	1:549:A:ARG:HA	1:554:A:PRO:HA	5	3.1
(1,550)	1:508:A:ILE:HG12	1:514:A:ILE:HG13	8	3.1
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG2	5	3.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG3	5	3.09
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB2	12	3.09
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB3	12	3.09
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB2	12	3.09
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB3	12	3.09
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB2	12	3.09
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB3	12	3.09
(1,631)	1:549:A:ARG:HA	1:554:A:PRO:HA	4	3.09
(1,631)	1:549:A:ARG:HA	1:554:A:PRO:HA	10	3.09
(1,631)	1:549:A:ARG:HA	1:554:A:PRO:HA	15	3.09
(1,550)	1:508:A:ILE:HG12	1:514:A:ILE:HG13	10	3.09
(1,550)	1:508:A:ILE:HG12	1:514:A:ILE:HG13	14	3.09
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB2	2	3.08
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB3	2	3.08
(1,709)	1:491:A:ILE:HA	1:555:A:MET:HG2	12	3.08
(1,631)	1:549:A:ARG:HA	1:554:A:PRO:HA	9	3.07
(1,550)	1:508:A:ILE:HG12	1:514:A:ILE:HG13	2	3.07
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD11	10	3.06
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD12	10	3.06
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD13	10	3.06
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD21	10	3.06
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD22	10	3.06
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD23	10	3.06
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD11	10	3.06
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD12	10	3.06
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD13	10	3.06
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD21	10	3.06
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD22	10	3.06
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD23	10	3.06
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD11	10	3.06
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD12	10	3.06
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD13	10	3.06
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD21	10	3.06
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD22	10	3.06
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD23	10	3.06
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB2	10	3.05
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB3	10	3.05
(1,550)	1:508:A:ILE:HG12	1:514:A:ILE:HG13	5	3.05
(1,709)	1:491:A:ILE:HA	1:555:A:MET:HG2	18	3.04
(1,550)	1:508:A:ILE:HG12	1:514:A:ILE:HG13	12	3.04
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD11	16	3.03
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD12	16	3.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD13	16	3.03
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD21	16	3.03
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD22	16	3.03
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD23	16	3.03
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD11	16	3.03
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD12	16	3.03
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD13	16	3.03
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD21	16	3.03
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD22	16	3.03
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD23	16	3.03
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD11	16	3.03
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD12	16	3.03
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD13	16	3.03
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD21	16	3.03
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD22	16	3.03
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD23	16	3.03
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG2	4	3.03
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG3	4	3.03
(1,709)	1:491:A:ILE:HA	1:555:A:MET:HG2	9	3.03
(1,686)	1:483:A:VAL:HG11	1:535:A:LYS:HG2	3	3.03
(1,686)	1:483:A:VAL:HG12	1:535:A:LYS:HG2	3	3.03
(1,686)	1:483:A:VAL:HG13	1:535:A:LYS:HG2	3	3.03
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD11	8	3.02
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD12	8	3.02
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD13	8	3.02
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD21	8	3.02
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD22	8	3.02
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD23	8	3.02
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD11	8	3.02
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD12	8	3.02
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD13	8	3.02
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD21	8	3.02
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD22	8	3.02
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD23	8	3.02
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD11	8	3.02
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD12	8	3.02
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD13	8	3.02
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD21	8	3.02
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD22	8	3.02
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD23	8	3.02
(1,550)	1:508:A:ILE:HG12	1:514:A:ILE:HG13	4	3.02
(1,709)	1:491:A:ILE:HA	1:555:A:MET:HG2	20	3.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD11	1	3.0
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD12	1	3.0
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD13	1	3.0
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD21	1	3.0
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD22	1	3.0
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD23	1	3.0
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD11	1	3.0
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD12	1	3.0
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD13	1	3.0
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD21	1	3.0
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD22	1	3.0
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD23	1	3.0
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD11	1	3.0
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD12	1	3.0
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD13	1	3.0
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD21	1	3.0
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD22	1	3.0
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD23	1	3.0
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD11	2	3.0
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD12	2	3.0
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD13	2	3.0
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD21	2	3.0
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD22	2	3.0
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD23	2	3.0
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD11	2	3.0
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD12	2	3.0
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD13	2	3.0
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD21	2	3.0
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD22	2	3.0
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD23	2	3.0
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD11	2	3.0
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD12	2	3.0
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD13	2	3.0
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD21	2	3.0
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD22	2	3.0
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD23	2	3.0
(1,709)	1:491:A:ILE:HA	1:555:A:MET:HG2	5	3.0
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG2	6	2.99
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG3	6	2.99
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG2	18	2.99
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG3	18	2.99
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB2	3	2.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB3	3	2.99
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD11	11	2.98
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD12	11	2.98
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD13	11	2.98
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD21	11	2.98
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD22	11	2.98
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD23	11	2.98
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD11	11	2.98
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD12	11	2.98
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD13	11	2.98
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD21	11	2.98
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD22	11	2.98
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD23	11	2.98
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD11	11	2.98
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD12	11	2.98
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD13	11	2.98
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD21	11	2.98
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD22	11	2.98
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD23	11	2.98
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG2	13	2.98
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG3	13	2.98
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB2	17	2.98
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB3	17	2.98
(1,550)	1:508:A:ILE:HG12	1:514:A:ILE:HG13	1	2.98
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG2	1	2.97
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG3	1	2.97
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB2	6	2.97
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB3	6	2.97
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG2	12	2.96
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG3	12	2.96
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB2	19	2.96
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB3	19	2.96
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB2	19	2.96
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB3	19	2.96
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB2	19	2.96
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB3	19	2.96
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD11	5	2.95
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD12	5	2.95
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD13	5	2.95
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD21	5	2.95
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD22	5	2.95
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD23	5	2.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD11	5	2.95
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD12	5	2.95
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD13	5	2.95
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD21	5	2.95
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD22	5	2.95
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD23	5	2.95
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD11	5	2.95
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD12	5	2.95
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD13	5	2.95
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD21	5	2.95
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD22	5	2.95
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD23	5	2.95
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD11	18	2.95
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD12	18	2.95
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD13	18	2.95
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD21	18	2.95
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD22	18	2.95
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD23	18	2.95
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD11	18	2.95
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD12	18	2.95
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD13	18	2.95
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD21	18	2.95
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD22	18	2.95
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD23	18	2.95
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD11	18	2.95
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD12	18	2.95
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD13	18	2.95
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD21	18	2.95
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD22	18	2.95
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD23	18	2.95
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG2	10	2.95
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG3	10	2.95
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG2	17	2.95
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG3	17	2.95
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB2	4	2.95
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB3	4	2.95
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB2	4	2.95
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB3	4	2.95
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB2	4	2.95
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB3	4	2.95
(1,550)	1:508:A:ILE:HG12	1:514:A:ILE:HG13	11	2.95
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD11	9	2.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD12	9	2.94
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD13	9	2.94
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD21	9	2.94
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD22	9	2.94
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD23	9	2.94
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD11	9	2.94
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD12	9	2.94
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD13	9	2.94
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD21	9	2.94
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD22	9	2.94
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD23	9	2.94
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD11	9	2.94
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD12	9	2.94
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD13	9	2.94
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD21	9	2.94
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD22	9	2.94
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD23	9	2.94
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD11	14	2.94
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD12	14	2.94
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD13	14	2.94
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD21	14	2.94
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD22	14	2.94
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD23	14	2.94
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD11	14	2.94
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD12	14	2.94
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD13	14	2.94
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD21	14	2.94
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD22	14	2.94
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD23	14	2.94
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD11	14	2.94
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD12	14	2.94
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD13	14	2.94
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD21	14	2.94
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD22	14	2.94
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD23	14	2.94
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG2	2	2.94
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG3	2	2.94
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB2	7	2.94
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB3	7	2.94
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB2	7	2.94
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB3	7	2.94
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB2	7	2.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB3	7	2.94
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB2	9	2.94
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB3	9	2.94
(1,550)	1:508:A:ILE:HG12	1:514:A:ILE:HG13	7	2.94
(1,550)	1:508:A:ILE:HG12	1:514:A:ILE:HG13	15	2.94
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG12	18	2.93
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG13	18	2.93
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG12	18	2.93
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG13	18	2.93
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG12	18	2.93
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG13	18	2.93
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG2	11	2.93
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG3	11	2.93
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG2	14	2.93
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG3	14	2.93
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG2	19	2.93
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG3	19	2.93
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB2	13	2.93
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB3	13	2.93
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB2	13	2.93
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB3	13	2.93
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB2	13	2.93
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB3	13	2.93
(1,147)	1:549:A:ARG:HB2	1:553:A:LYS:H	9	2.93
(1,147)	1:549:A:ARG:HB2	1:553:A:LYS:H	13	2.93
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG2	3	2.92
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG3	3	2.92
(1,709)	1:491:A:ILE:HA	1:555:A:MET:HG2	10	2.92
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG2	7	2.91
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG3	7	2.91
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB2	14	2.91
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB3	14	2.91
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB2	14	2.91
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB3	14	2.91
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB2	14	2.91
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB3	14	2.91
(1,559)	1:508:A:ILE:HG13	1:514:A:ILE:HG13	13	2.91
(1,147)	1:549:A:ARG:HB2	1:553:A:LYS:H	2	2.91
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD11	7	2.9
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD12	7	2.9
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD13	7	2.9
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD21	7	2.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD22	7	2.9
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD23	7	2.9
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD11	7	2.9
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD12	7	2.9
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD13	7	2.9
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD21	7	2.9
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD22	7	2.9
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD23	7	2.9
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD11	7	2.9
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD12	7	2.9
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD13	7	2.9
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD21	7	2.9
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD22	7	2.9
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD23	7	2.9
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB2	16	2.9
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB3	16	2.9
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB2	16	2.9
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB3	16	2.9
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB2	16	2.9
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB3	16	2.9
(1,759)	1:492:A:GLU:HG3	1:556:A:ASN:HB2	7	2.9
(1,759)	1:492:A:GLU:HG3	1:556:A:ASN:HB2	8	2.9
(1,147)	1:549:A:ARG:HB2	1:553:A:LYS:H	6	2.9
(1,147)	1:549:A:ARG:HB2	1:553:A:LYS:H	3	2.89
(1,147)	1:549:A:ARG:HB2	1:553:A:LYS:H	4	2.89
(1,147)	1:549:A:ARG:HB2	1:553:A:LYS:H	14	2.89
(1,147)	1:549:A:ARG:HB2	1:553:A:LYS:H	19	2.89
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG2	8	2.88
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG3	8	2.88
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB2	15	2.88
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB3	15	2.88
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB2	15	2.88
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB3	15	2.88
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB2	15	2.88
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB3	15	2.88
(1,709)	1:491:A:ILE:HA	1:555:A:MET:HG2	13	2.88
(1,709)	1:491:A:ILE:HA	1:555:A:MET:HG2	16	2.88
(1,147)	1:549:A:ARG:HB2	1:553:A:LYS:H	7	2.88
(1,147)	1:549:A:ARG:HB2	1:553:A:LYS:H	10	2.88
(1,147)	1:549:A:ARG:HB2	1:553:A:LYS:H	17	2.88
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG2	20	2.87
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG3	20	2.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB2	20	2.87
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB3	20	2.87
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB2	20	2.87
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB3	20	2.87
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB2	20	2.87
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB3	20	2.87
(1,147)	1:549:A:ARG:HB2	1:553:A:LYS:H	8	2.87
(1,98)	1:487:A:GLN:H	1:535:A:LYS:H	4	2.87
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB2	5	2.86
(1,934)	1:483:A:VAL:H	1:534:A:PRO:HB3	5	2.86
(1,550)	1:508:A:ILE:HG12	1:514:A:ILE:HG13	18	2.86
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB2	8	2.85
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB3	8	2.85
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB2	8	2.85
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB3	8	2.85
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB2	8	2.85
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB3	8	2.85
(1,709)	1:491:A:ILE:HA	1:555:A:MET:HG2	2	2.85
(1,709)	1:491:A:ILE:HA	1:555:A:MET:HG2	14	2.85
(1,147)	1:549:A:ARG:HB2	1:553:A:LYS:H	5	2.85
(1,147)	1:549:A:ARG:HB2	1:553:A:LYS:H	11	2.85
(1,98)	1:487:A:GLN:H	1:535:A:LYS:H	15	2.85
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD11	15	2.84
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD12	15	2.84
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD13	15	2.84
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD21	15	2.84
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD22	15	2.84
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD23	15	2.84
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD11	15	2.84
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD12	15	2.84
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD13	15	2.84
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD21	15	2.84
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD22	15	2.84
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD23	15	2.84
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD11	15	2.84
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD12	15	2.84
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD13	15	2.84
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD21	15	2.84
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD22	15	2.84
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD23	15	2.84
(1,759)	1:492:A:GLU:HG3	1:556:A:ASN:HB2	19	2.84
(1,754)	1:492:A:GLU:HG2	1:556:A:ASN:HB2	15	2.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,559)	1:508:A:ILE:HG13	1:514:A:ILE:HG13	20	2.84
(1,231)	1:538:A:PRO:HB2	1:541:A:VAL:H	17	2.84
(1,147)	1:549:A:ARG:HB2	1:553:A:LYS:H	16	2.84
(1,98)	1:487:A:GLN:H	1:535:A:LYS:H	12	2.84
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB2	2	2.83
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB3	2	2.83
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB2	2	2.83
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB3	2	2.83
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB2	2	2.83
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB3	2	2.83
(1,759)	1:492:A:GLU:HG3	1:556:A:ASN:HB2	16	2.83
(1,107)	1:486:A:MET:HA	1:535:A:LYS:H	7	2.83
(1,107)	1:486:A:MET:HA	1:535:A:LYS:H	13	2.83
(1,98)	1:487:A:GLN:H	1:535:A:LYS:H	16	2.83
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB2	9	2.82
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB3	9	2.82
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB2	9	2.82
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB3	9	2.82
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB2	9	2.82
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB3	9	2.82
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG21	6	2.82
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG22	6	2.82
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG23	6	2.82
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG21	9	2.82
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG22	9	2.82
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG23	9	2.82
(1,147)	1:549:A:ARG:HB2	1:553:A:LYS:H	20	2.82
(1,107)	1:486:A:MET:HA	1:535:A:LYS:H	15	2.82
(1,98)	1:487:A:GLN:H	1:535:A:LYS:H	1	2.82
(1,1153)	1:558:A:GLN:HG2	1:560:A:LEU:HA	12	2.81
(1,1153)	1:558:A:GLN:HG3	1:560:A:LEU:HA	12	2.81
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD11	12	2.81
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD12	12	2.81
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD13	12	2.81
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD21	12	2.81
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD22	12	2.81
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD23	12	2.81
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD11	12	2.81
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD12	12	2.81
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD13	12	2.81
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD21	12	2.81
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD22	12	2.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD23	12	2.81
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD11	12	2.81
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD12	12	2.81
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD13	12	2.81
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD21	12	2.81
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD22	12	2.81
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD23	12	2.81
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG21	20	2.81
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG22	20	2.81
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG23	20	2.81
(1,147)	1:549:A:ARG:HB2	1:553:A:LYS:H	1	2.81
(1,147)	1:549:A:ARG:HB2	1:553:A:LYS:H	12	2.81
(1,147)	1:549:A:ARG:HB2	1:553:A:LYS:H	18	2.81
(1,107)	1:486:A:MET:HA	1:535:A:LYS:H	1	2.81
(1,98)	1:487:A:GLN:H	1:535:A:LYS:H	2	2.81
(1,98)	1:487:A:GLN:H	1:535:A:LYS:H	17	2.81
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB2	10	2.8
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB3	10	2.8
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB2	10	2.8
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB3	10	2.8
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB2	10	2.8
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB3	10	2.8
(1,849)	1:549:A:ARG:HB2	1:554:A:PRO:HB3	9	2.8
(1,849)	1:549:A:ARG:HB2	1:554:A:PRO:HB3	16	2.8
(1,684)	1:483:A:VAL:HG21	1:538:A:PRO:HD2	17	2.8
(1,684)	1:483:A:VAL:HG22	1:538:A:PRO:HD2	17	2.8
(1,684)	1:483:A:VAL:HG23	1:538:A:PRO:HD2	17	2.8
(1,559)	1:508:A:ILE:HG13	1:514:A:ILE:HG13	3	2.8
(1,107)	1:486:A:MET:HA	1:535:A:LYS:H	20	2.8
(1,98)	1:487:A:GLN:H	1:535:A:LYS:H	9	2.8
(1,98)	1:487:A:GLN:H	1:535:A:LYS:H	13	2.8
(1,98)	1:487:A:GLN:H	1:535:A:LYS:H	19	2.8
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB2	5	2.79
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB3	5	2.79
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB2	5	2.79
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB3	5	2.79
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB2	5	2.79
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB3	5	2.79
(1,849)	1:549:A:ARG:HB2	1:554:A:PRO:HB3	8	2.79
(1,849)	1:549:A:ARG:HB2	1:554:A:PRO:HB3	14	2.79
(1,759)	1:492:A:GLU:HG3	1:556:A:ASN:HB2	18	2.79
(1,712)	1:491:A:ILE:HG21	1:555:A:MET:HG2	18	2.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:491:A:ILE:HG22	1:555:A:MET:HG2	18	2.79
(1,712)	1:491:A:ILE:HG23	1:555:A:MET:HG2	18	2.79
(1,684)	1:483:A:VAL:HG21	1:538:A:PRO:HD2	2	2.79
(1,684)	1:483:A:VAL:HG22	1:538:A:PRO:HD2	2	2.79
(1,684)	1:483:A:VAL:HG23	1:538:A:PRO:HD2	2	2.79
(1,684)	1:483:A:VAL:HG21	1:538:A:PRO:HD2	8	2.79
(1,684)	1:483:A:VAL:HG22	1:538:A:PRO:HD2	8	2.79
(1,684)	1:483:A:VAL:HG23	1:538:A:PRO:HD2	8	2.79
(1,559)	1:508:A:ILE:HG13	1:514:A:ILE:HG13	9	2.79
(1,98)	1:487:A:GLN:H	1:535:A:LYS:H	3	2.79
(1,98)	1:487:A:GLN:H	1:535:A:LYS:H	5	2.79
(1,98)	1:487:A:GLN:H	1:535:A:LYS:H	7	2.79
(1,1153)	1:558:A:GLN:HG2	1:560:A:LEU:HA	7	2.78
(1,1153)	1:558:A:GLN:HG3	1:560:A:LEU:HA	7	2.78
(1,849)	1:549:A:ARG:HB2	1:554:A:PRO:HB3	4	2.78
(1,849)	1:549:A:ARG:HB2	1:554:A:PRO:HB3	5	2.78
(1,849)	1:549:A:ARG:HB2	1:554:A:PRO:HB3	18	2.78
(1,849)	1:549:A:ARG:HB2	1:554:A:PRO:HB3	19	2.78
(1,849)	1:549:A:ARG:HB2	1:554:A:PRO:HB3	20	2.78
(1,709)	1:491:A:ILE:HA	1:555:A:MET:HG2	17	2.78
(1,559)	1:508:A:ILE:HG13	1:514:A:ILE:HG13	17	2.78
(1,431)	1:542:A:LEU:HG	1:546:A:THR:H	6	2.78
(1,107)	1:486:A:MET:HA	1:535:A:LYS:H	3	2.78
(1,98)	1:487:A:GLN:H	1:535:A:LYS:H	8	2.78
(1,98)	1:487:A:GLN:H	1:535:A:LYS:H	14	2.78
(1,98)	1:487:A:GLN:H	1:535:A:LYS:H	20	2.78
(1,1153)	1:558:A:GLN:HG2	1:560:A:LEU:HA	6	2.77
(1,1153)	1:558:A:GLN:HG3	1:560:A:LEU:HA	6	2.77
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD11	6	2.77
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD12	6	2.77
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD13	6	2.77
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD21	6	2.77
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD22	6	2.77
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD23	6	2.77
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD11	6	2.77
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD12	6	2.77
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD13	6	2.77
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD21	6	2.77
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD22	6	2.77
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD23	6	2.77
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD11	6	2.77
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD12	6	2.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD13	6	2.77
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD21	6	2.77
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD22	6	2.77
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD23	6	2.77
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD11	6	2.77
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD12	6	2.77
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD13	6	2.77
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD21	6	2.77
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD22	6	2.77
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD23	6	2.77
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD11	6	2.77
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD12	6	2.77
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD13	6	2.77
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD21	6	2.77
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD22	6	2.77
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD23	6	2.77
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD11	6	2.77
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD12	6	2.77
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD13	6	2.77
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD21	6	2.77
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD22	6	2.77
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD23	6	2.77
(1,849)	1:549:A:ARG:HB2	1:554:A:PRO:HB3	10	2.77
(1,849)	1:549:A:ARG:HB2	1:554:A:PRO:HB3	12	2.77
(1,712)	1:491:A:ILE:HG21	1:555:A:MET:HG2	4	2.77
(1,712)	1:491:A:ILE:HG22	1:555:A:MET:HG2	4	2.77
(1,712)	1:491:A:ILE:HG23	1:555:A:MET:HG2	4	2.77
(1,709)	1:491:A:ILE:HA	1:555:A:MET:HG2	3	2.77
(1,709)	1:491:A:ILE:HA	1:555:A:MET:HG2	6	2.77
(1,709)	1:491:A:ILE:HA	1:555:A:MET:HG2	7	2.77
(1,709)	1:491:A:ILE:HA	1:555:A:MET:HG2	15	2.77
(1,559)	1:508:A:ILE:HG13	1:514:A:ILE:HG13	16	2.77
(1,684)	1:483:A:VAL:HG21	1:538:A:PRO:HD2	10	2.76
(1,684)	1:483:A:VAL:HG22	1:538:A:PRO:HD2	10	2.76
(1,684)	1:483:A:VAL:HG23	1:538:A:PRO:HD2	10	2.76
(1,107)	1:486:A:MET:HA	1:535:A:LYS:H	16	2.76
(1,98)	1:487:A:GLN:H	1:535:A:LYS:H	6	2.76
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD11	4	2.75
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD12	4	2.75
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD13	4	2.75
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD21	4	2.75
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD22	4	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD23	4	2.75
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD11	4	2.75
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD12	4	2.75
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD13	4	2.75
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD21	4	2.75
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD22	4	2.75
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD23	4	2.75
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD11	4	2.75
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD12	4	2.75
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD13	4	2.75
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD21	4	2.75
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD22	4	2.75
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD23	4	2.75
(1,849)	1:549:A:ARG:HB2	1:554:A:PRO:HB3	1	2.75
(1,849)	1:549:A:ARG:HB2	1:554:A:PRO:HB3	6	2.75
(1,849)	1:549:A:ARG:HB2	1:554:A:PRO:HB3	7	2.75
(1,849)	1:549:A:ARG:HB2	1:554:A:PRO:HB3	11	2.75
(1,849)	1:549:A:ARG:HB2	1:554:A:PRO:HB3	17	2.75
(1,715)	1:504:A:ILE:HB	1:522:A:ILE:HB	20	2.75
(1,709)	1:491:A:ILE:HA	1:555:A:MET:HG2	11	2.75
(1,431)	1:542:A:LEU:HG	1:546:A:THR:H	3	2.75
(1,431)	1:542:A:LEU:HG	1:546:A:THR:H	9	2.75
(1,107)	1:486:A:MET:HA	1:535:A:LYS:H	6	2.75
(1,98)	1:487:A:GLN:H	1:535:A:LYS:H	11	2.75
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD11	19	2.74
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD12	19	2.74
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD13	19	2.74
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD21	19	2.74
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD22	19	2.74
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD23	19	2.74
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD11	19	2.74
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD12	19	2.74
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD13	19	2.74
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD21	19	2.74
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD22	19	2.74
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD23	19	2.74
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD11	19	2.74
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD12	19	2.74
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD13	19	2.74
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD21	19	2.74
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD22	19	2.74
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD23	19	2.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG2	15	2.74
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG3	15	2.74
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB2	17	2.74
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB3	17	2.74
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB2	17	2.74
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB3	17	2.74
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB2	17	2.74
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB3	17	2.74
(1,684)	1:483:A:VAL:HG21	1:538:A:PRO:HD2	5	2.74
(1,684)	1:483:A:VAL:HG22	1:538:A:PRO:HD2	5	2.74
(1,684)	1:483:A:VAL:HG23	1:538:A:PRO:HD2	5	2.74
(1,559)	1:508:A:ILE:HG13	1:514:A:ILE:HG13	6	2.74
(1,559)	1:508:A:ILE:HG13	1:514:A:ILE:HG13	19	2.74
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG21	3	2.74
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG22	3	2.74
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG23	3	2.74
(1,147)	1:549:A:ARG:HB2	1:553:A:LYS:H	15	2.74
(1,107)	1:486:A:MET:HA	1:535:A:LYS:H	10	2.74
(1,1153)	1:558:A:GLN:HG2	1:560:A:LEU:HA	8	2.73
(1,1153)	1:558:A:GLN:HG3	1:560:A:LEU:HA	8	2.73
(1,1153)	1:558:A:GLN:HG2	1:560:A:LEU:HA	16	2.73
(1,1153)	1:558:A:GLN:HG3	1:560:A:LEU:HA	16	2.73
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG2	16	2.73
(1,971)	1:490:A:ARG:HB2	1:557:A:MET:HG3	16	2.73
(1,849)	1:549:A:ARG:HB2	1:554:A:PRO:HB3	2	2.73
(1,709)	1:491:A:ILE:HA	1:555:A:MET:HG2	19	2.73
(1,559)	1:508:A:ILE:HG13	1:514:A:ILE:HG13	2	2.73
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG21	11	2.73
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG22	11	2.73
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG23	11	2.73
(1,431)	1:542:A:LEU:HG	1:546:A:THR:H	10	2.73
(1,107)	1:486:A:MET:HA	1:535:A:LYS:H	8	2.73
(1,107)	1:486:A:MET:HA	1:535:A:LYS:H	14	2.73
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD11	10	2.72
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD12	10	2.72
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD13	10	2.72
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD21	10	2.72
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD22	10	2.72
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD23	10	2.72
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD11	10	2.72
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD12	10	2.72
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD13	10	2.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD21	10	2.72
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD22	10	2.72
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD23	10	2.72
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD11	10	2.72
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD12	10	2.72
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD13	10	2.72
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD21	10	2.72
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD22	10	2.72
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD23	10	2.72
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD11	10	2.72
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD12	10	2.72
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD13	10	2.72
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD21	10	2.72
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD22	10	2.72
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD23	10	2.72
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD11	10	2.72
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD12	10	2.72
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD13	10	2.72
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD21	10	2.72
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD22	10	2.72
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD23	10	2.72
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD11	10	2.72
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD12	10	2.72
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD13	10	2.72
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD21	10	2.72
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD22	10	2.72
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD23	10	2.72
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB2	3	2.72
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB3	3	2.72
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB2	3	2.72
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB3	3	2.72
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB2	3	2.72
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB3	3	2.72
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB2	6	2.72
(1,937)	1:483:A:VAL:HG11	1:534:A:PRO:HB3	6	2.72
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB2	6	2.72
(1,937)	1:483:A:VAL:HG12	1:534:A:PRO:HB3	6	2.72
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB2	6	2.72
(1,937)	1:483:A:VAL:HG13	1:534:A:PRO:HB3	6	2.72
(1,849)	1:549:A:ARG:HB2	1:554:A:PRO:HB3	3	2.72
(1,559)	1:508:A:ILE:HG13	1:514:A:ILE:HG13	8	2.72
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG21	17	2.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG22	17	2.72
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG23	17	2.72
(1,508)	1:485:A:ASP:HB2	1:537:A:MET:HB3	1	2.72
(1,431)	1:542:A:LEU:HG	1:546:A:THR:H	20	2.72
(1,98)	1:487:A:GLN:H	1:535:A:LYS:H	10	2.72
(1,81)	1:561:A:GLY:H	1:563:A:ALA:H	18	2.72
(1,1153)	1:558:A:GLN:HG2	1:560:A:LEU:HA	10	2.71
(1,1153)	1:558:A:GLN:HG3	1:560:A:LEU:HA	10	2.71
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD11	2	2.71
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD12	2	2.71
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD13	2	2.71
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD21	2	2.71
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD22	2	2.71
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD23	2	2.71
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD11	2	2.71
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD12	2	2.71
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD13	2	2.71
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD21	2	2.71
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD22	2	2.71
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD23	2	2.71
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD11	2	2.71
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD12	2	2.71
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD13	2	2.71
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD21	2	2.71
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD22	2	2.71
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD23	2	2.71
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD11	2	2.71
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD12	2	2.71
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD13	2	2.71
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD21	2	2.71
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD22	2	2.71
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD23	2	2.71
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD11	2	2.71
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD12	2	2.71
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD13	2	2.71
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD21	2	2.71
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD22	2	2.71
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD23	2	2.71
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD11	2	2.71
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD12	2	2.71
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD13	2	2.71
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD21	2	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD22	2	2.71
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD23	2	2.71
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD11	3	2.71
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD12	3	2.71
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD13	3	2.71
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD21	3	2.71
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD22	3	2.71
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD23	3	2.71
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD11	3	2.71
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD12	3	2.71
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD13	3	2.71
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD21	3	2.71
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD22	3	2.71
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD23	3	2.71
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD11	3	2.71
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD12	3	2.71
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD13	3	2.71
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD21	3	2.71
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD22	3	2.71
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD23	3	2.71
(1,759)	1:492:A:GLU:HG3	1:556:A:ASN:HB2	20	2.71
(1,508)	1:485:A:ASP:HB2	1:537:A:MET:HB3	2	2.71
(1,508)	1:485:A:ASP:HB2	1:537:A:MET:HB3	8	2.71
(1,107)	1:486:A:MET:HA	1:535:A:LYS:H	4	2.71
(1,107)	1:486:A:MET:HA	1:535:A:LYS:H	17	2.71
(1,81)	1:561:A:GLY:H	1:563:A:ALA:H	8	2.71
(1,1153)	1:558:A:GLN:HG2	1:560:A:LEU:HA	15	2.7
(1,1153)	1:558:A:GLN:HG3	1:560:A:LEU:HA	15	2.7
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD11	13	2.7
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD12	13	2.7
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD13	13	2.7
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD21	13	2.7
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD22	13	2.7
(1,1091)	1:531:A:ILE:HD11	1:559:A:LEU:HD23	13	2.7
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD11	13	2.7
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD12	13	2.7
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD13	13	2.7
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD21	13	2.7
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD22	13	2.7
(1,1091)	1:531:A:ILE:HD12	1:559:A:LEU:HD23	13	2.7
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD11	13	2.7
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD12	13	2.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD13	13	2.7
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD21	13	2.7
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD22	13	2.7
(1,1091)	1:531:A:ILE:HD13	1:559:A:LEU:HD23	13	2.7
(1,849)	1:549:A:ARG:HB2	1:554:A:PRO:HB3	13	2.7
(1,759)	1:492:A:GLU:HG3	1:556:A:ASN:HB2	12	2.7
(1,559)	1:508:A:ILE:HG13	1:514:A:ILE:HG13	5	2.7
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG21	7	2.7
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG22	7	2.7
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG23	7	2.7
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG21	10	2.7
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG22	10	2.7
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG23	10	2.7
(1,508)	1:485:A:ASP:HB2	1:537:A:MET:HB3	3	2.7
(1,508)	1:485:A:ASP:HB2	1:537:A:MET:HB3	6	2.7
(1,508)	1:485:A:ASP:HB2	1:537:A:MET:HB3	10	2.7
(1,508)	1:485:A:ASP:HB2	1:537:A:MET:HB3	11	2.7
(1,508)	1:485:A:ASP:HB2	1:537:A:MET:HB3	14	2.7
(1,508)	1:485:A:ASP:HB2	1:537:A:MET:HB3	15	2.7
(1,508)	1:485:A:ASP:HB2	1:537:A:MET:HB3	17	2.7
(1,508)	1:485:A:ASP:HB2	1:537:A:MET:HB3	20	2.7
(1,434)	1:542:A:LEU:HD21	1:546:A:THR:H	10	2.7
(1,434)	1:542:A:LEU:HD22	1:546:A:THR:H	10	2.7
(1,434)	1:542:A:LEU:HD23	1:546:A:THR:H	10	2.7
(1,240)	1:485:A:ASP:H	1:535:A:LYS:HG2	1	2.7
(1,81)	1:561:A:GLY:H	1:563:A:ALA:H	6	2.7
(1,81)	1:561:A:GLY:H	1:563:A:ALA:H	9	2.7
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD11	17	2.69
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD12	17	2.69
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD13	17	2.69
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD21	17	2.69
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD22	17	2.69
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD23	17	2.69
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD11	17	2.69
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD12	17	2.69
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD13	17	2.69
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD21	17	2.69
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD22	17	2.69
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD23	17	2.69
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD11	17	2.69
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD12	17	2.69
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD13	17	2.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD21	17	2.69
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD22	17	2.69
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD23	17	2.69
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD11	17	2.69
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD12	17	2.69
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD13	17	2.69
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD21	17	2.69
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD22	17	2.69
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD23	17	2.69
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD11	17	2.69
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD12	17	2.69
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD13	17	2.69
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD21	17	2.69
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD22	17	2.69
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD23	17	2.69
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD11	17	2.69
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD12	17	2.69
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD13	17	2.69
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD21	17	2.69
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD22	17	2.69
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD23	17	2.69
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD11	20	2.69
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD12	20	2.69
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD13	20	2.69
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD21	20	2.69
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD22	20	2.69
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD23	20	2.69
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD11	20	2.69
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD12	20	2.69
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD13	20	2.69
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD21	20	2.69
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD22	20	2.69
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD23	20	2.69
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD11	20	2.69
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD12	20	2.69
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD13	20	2.69
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD21	20	2.69
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD22	20	2.69
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD23	20	2.69
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD11	20	2.69
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD12	20	2.69
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD13	20	2.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD21	20	2.69
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD22	20	2.69
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD23	20	2.69
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD11	20	2.69
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD12	20	2.69
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD13	20	2.69
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD21	20	2.69
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD22	20	2.69
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD23	20	2.69
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD11	20	2.69
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD12	20	2.69
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD13	20	2.69
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD21	20	2.69
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD22	20	2.69
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD23	20	2.69
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG12	17	2.69
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG13	17	2.69
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG12	17	2.69
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG13	17	2.69
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG12	17	2.69
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG13	17	2.69
(1,684)	1:483:A:VAL:HG21	1:538:A:PRO:HD2	14	2.69
(1,684)	1:483:A:VAL:HG22	1:538:A:PRO:HD2	14	2.69
(1,684)	1:483:A:VAL:HG23	1:538:A:PRO:HD2	14	2.69
(1,559)	1:508:A:ILE:HG13	1:514:A:ILE:HG13	10	2.69
(1,559)	1:508:A:ILE:HG13	1:514:A:ILE:HG13	12	2.69
(1,508)	1:485:A:ASP:HB2	1:537:A:MET:HB3	4	2.69
(1,508)	1:485:A:ASP:HB2	1:537:A:MET:HB3	9	2.69
(1,508)	1:485:A:ASP:HB2	1:537:A:MET:HB3	18	2.69
(1,508)	1:485:A:ASP:HB2	1:537:A:MET:HB3	19	2.69
(1,434)	1:542:A:LEU:HD21	1:546:A:THR:H	3	2.69
(1,434)	1:542:A:LEU:HD22	1:546:A:THR:H	3	2.69
(1,434)	1:542:A:LEU:HD23	1:546:A:THR:H	3	2.69
(1,231)	1:538:A:PRO:HB2	1:541:A:VAL:H	7	2.69
(1,107)	1:486:A:MET:HA	1:535:A:LYS:H	2	2.69
(1,107)	1:486:A:MET:HA	1:535:A:LYS:H	19	2.69
(1,81)	1:561:A:GLY:H	1:563:A:ALA:H	5	2.69
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD11	8	2.68
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD12	8	2.68
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD13	8	2.68
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD21	8	2.68
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD22	8	2.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD23	8	2.68
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD11	8	2.68
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD12	8	2.68
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD13	8	2.68
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD21	8	2.68
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD22	8	2.68
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD23	8	2.68
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD11	8	2.68
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD12	8	2.68
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD13	8	2.68
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD21	8	2.68
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD22	8	2.68
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD23	8	2.68
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD11	8	2.68
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD12	8	2.68
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD13	8	2.68
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD21	8	2.68
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD22	8	2.68
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD23	8	2.68
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD11	8	2.68
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD12	8	2.68
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD13	8	2.68
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD21	8	2.68
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD22	8	2.68
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD23	8	2.68
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD11	8	2.68
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD12	8	2.68
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD13	8	2.68
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD21	8	2.68
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD22	8	2.68
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD23	8	2.68
(1,849)	1:549:A:ARG:HB2	1:554:A:PRO:HB3	15	2.68
(1,712)	1:491:A:ILE:HG21	1:555:A:MET:HG2	9	2.68
(1,712)	1:491:A:ILE:HG22	1:555:A:MET:HG2	9	2.68
(1,712)	1:491:A:ILE:HG23	1:555:A:MET:HG2	9	2.68
(1,709)	1:491:A:ILE:HA	1:555:A:MET:HG2	1	2.68
(1,559)	1:508:A:ILE:HG13	1:514:A:ILE:HG13	4	2.68
(1,508)	1:485:A:ASP:HB2	1:537:A:MET:HB3	12	2.68
(1,508)	1:485:A:ASP:HB2	1:537:A:MET:HB3	16	2.68
(1,81)	1:561:A:GLY:H	1:563:A:ALA:H	16	2.68
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD11	5	2.67
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD12	5	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD13	5	2.67
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD21	5	2.67
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD22	5	2.67
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD23	5	2.67
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD11	5	2.67
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD12	5	2.67
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD13	5	2.67
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD21	5	2.67
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD22	5	2.67
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD23	5	2.67
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD11	5	2.67
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD12	5	2.67
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD13	5	2.67
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD21	5	2.67
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD22	5	2.67
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD23	5	2.67
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD11	5	2.67
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD12	5	2.67
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD13	5	2.67
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD21	5	2.67
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD22	5	2.67
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD23	5	2.67
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD11	5	2.67
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD12	5	2.67
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD13	5	2.67
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD21	5	2.67
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD22	5	2.67
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD23	5	2.67
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD11	5	2.67
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD12	5	2.67
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD13	5	2.67
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD21	5	2.67
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD22	5	2.67
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD23	5	2.67
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD11	16	2.67
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD12	16	2.67
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD13	16	2.67
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD21	16	2.67
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD22	16	2.67
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD23	16	2.67
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD11	16	2.67
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD12	16	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD13	16	2.67
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD21	16	2.67
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD22	16	2.67
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD23	16	2.67
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD11	16	2.67
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD12	16	2.67
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD13	16	2.67
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD21	16	2.67
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD22	16	2.67
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD23	16	2.67
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD11	16	2.67
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD12	16	2.67
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD13	16	2.67
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD21	16	2.67
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD22	16	2.67
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD23	16	2.67
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD11	16	2.67
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD12	16	2.67
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD13	16	2.67
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD21	16	2.67
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD22	16	2.67
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD23	16	2.67
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD11	16	2.67
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD12	16	2.67
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD13	16	2.67
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD21	16	2.67
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD22	16	2.67
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD23	16	2.67
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG12	16	2.67
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG13	16	2.67
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG12	16	2.67
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG13	16	2.67
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG12	16	2.67
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG13	16	2.67
(1,712)	1:491:A:ILE:HG21	1:555:A:MET:HG2	12	2.67
(1,712)	1:491:A:ILE:HG22	1:555:A:MET:HG2	12	2.67
(1,712)	1:491:A:ILE:HG23	1:555:A:MET:HG2	12	2.67
(1,508)	1:485:A:ASP:HB2	1:537:A:MET:HB3	13	2.67
(1,231)	1:538:A:PRO:HB2	1:541:A:VAL:H	5	2.67
(1,81)	1:561:A:GLY:H	1:563:A:ALA:H	1	2.67
(1,81)	1:561:A:GLY:H	1:563:A:ALA:H	20	2.67
(1,759)	1:492:A:GLU:HG3	1:556:A:ASN:HB2	6	2.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,240)	1:485:A:ASP:H	1:535:A:LYS:HG2	7	2.66
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG12	20	2.65
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG13	20	2.65
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG12	20	2.65
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG13	20	2.65
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG12	20	2.65
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG13	20	2.65
(1,709)	1:491:A:ILE:HA	1:555:A:MET:HG2	8	2.65
(1,559)	1:508:A:ILE:HG13	1:514:A:ILE:HG13	1	2.65
(1,508)	1:485:A:ASP:HB2	1:537:A:MET:HB3	7	2.65
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD11	14	2.64
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD12	14	2.64
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD13	14	2.64
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD21	14	2.64
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD22	14	2.64
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD23	14	2.64
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD11	14	2.64
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD12	14	2.64
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD13	14	2.64
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD21	14	2.64
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD22	14	2.64
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD23	14	2.64
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD11	14	2.64
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD12	14	2.64
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD13	14	2.64
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD21	14	2.64
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD22	14	2.64
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD23	14	2.64
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD11	14	2.64
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD12	14	2.64
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD13	14	2.64
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD21	14	2.64
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD22	14	2.64
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD23	14	2.64
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD11	14	2.64
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD12	14	2.64
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD13	14	2.64
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD21	14	2.64
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD22	14	2.64
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD23	14	2.64
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD11	14	2.64
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD12	14	2.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD13	14	2.64
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD21	14	2.64
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD22	14	2.64
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD23	14	2.64
(1,684)	1:483:A:VAL:HG21	1:538:A:PRO:HD2	16	2.64
(1,684)	1:483:A:VAL:HG22	1:538:A:PRO:HD2	16	2.64
(1,684)	1:483:A:VAL:HG23	1:538:A:PRO:HD2	16	2.64
(1,559)	1:508:A:ILE:HG13	1:514:A:ILE:HG13	14	2.64
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG21	5	2.64
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG22	5	2.64
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG23	5	2.64
(1,508)	1:485:A:ASP:HB2	1:537:A:MET:HB3	5	2.64
(1,81)	1:561:A:GLY:H	1:563:A:ALA:H	10	2.64
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD11	1	2.63
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD12	1	2.63
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD13	1	2.63
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD21	1	2.63
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD22	1	2.63
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD23	1	2.63
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD11	1	2.63
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD12	1	2.63
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD13	1	2.63
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD21	1	2.63
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD22	1	2.63
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD23	1	2.63
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD11	1	2.63
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD12	1	2.63
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD13	1	2.63
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD21	1	2.63
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD22	1	2.63
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD23	1	2.63
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD11	1	2.63
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD12	1	2.63
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD13	1	2.63
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD21	1	2.63
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD22	1	2.63
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD23	1	2.63
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD11	1	2.63
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD12	1	2.63
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD13	1	2.63
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD21	1	2.63
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD22	1	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD23	1	2.63
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD11	1	2.63
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD12	1	2.63
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD13	1	2.63
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD21	1	2.63
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD22	1	2.63
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD23	1	2.63
(1,759)	1:492:A:GLU:HG3	1:556:A:ASN:HB2	11	2.63
(1,712)	1:491:A:ILE:HG21	1:555:A:MET:HG2	5	2.63
(1,712)	1:491:A:ILE:HG22	1:555:A:MET:HG2	5	2.63
(1,712)	1:491:A:ILE:HG23	1:555:A:MET:HG2	5	2.63
(1,712)	1:491:A:ILE:HG21	1:555:A:MET:HG2	20	2.63
(1,712)	1:491:A:ILE:HG22	1:555:A:MET:HG2	20	2.63
(1,712)	1:491:A:ILE:HG23	1:555:A:MET:HG2	20	2.63
(1,107)	1:486:A:MET:HA	1:535:A:LYS:H	9	2.63
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG12	15	2.62
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG13	15	2.62
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG12	15	2.62
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG13	15	2.62
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG12	15	2.62
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG13	15	2.62
(1,715)	1:504:A:ILE:HB	1:522:A:ILE:HB	16	2.62
(1,715)	1:504:A:ILE:HB	1:522:A:ILE:HB	18	2.62
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG21	1	2.62
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG22	1	2.62
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG23	1	2.62
(1,434)	1:542:A:LEU:HD21	1:546:A:THR:H	9	2.62
(1,434)	1:542:A:LEU:HD22	1:546:A:THR:H	9	2.62
(1,434)	1:542:A:LEU:HD23	1:546:A:THR:H	9	2.62
(1,431)	1:542:A:LEU:HG	1:546:A:THR:H	1	2.62
(1,431)	1:542:A:LEU:HG	1:546:A:THR:H	5	2.62
(1,240)	1:485:A:ASP:H	1:535:A:LYS:HG2	11	2.62
(1,231)	1:538:A:PRO:HB2	1:541:A:VAL:H	14	2.62
(1,107)	1:486:A:MET:HA	1:535:A:LYS:H	5	2.62
(1,107)	1:486:A:MET:HA	1:535:A:LYS:H	12	2.62
(1,81)	1:561:A:GLY:H	1:563:A:ALA:H	17	2.62
(1,1153)	1:558:A:GLN:HG2	1:560:A:LEU:HA	1	2.61
(1,1153)	1:558:A:GLN:HG3	1:560:A:LEU:HA	1	2.61
(1,684)	1:483:A:VAL:HG21	1:538:A:PRO:HD2	15	2.61
(1,684)	1:483:A:VAL:HG22	1:538:A:PRO:HD2	15	2.61
(1,684)	1:483:A:VAL:HG23	1:538:A:PRO:HD2	15	2.61
(1,240)	1:485:A:ASP:H	1:535:A:LYS:HG2	12	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,240)	1:485:A:ASP:H	1:535:A:LYS:HG2	14	2.61
(1,231)	1:538:A:PRO:HB2	1:541:A:VAL:H	8	2.61
(1,81)	1:561:A:GLY:H	1:563:A:ALA:H	2	2.61
(1,715)	1:504:A:ILE:HB	1:522:A:ILE:HB	2	2.6
(1,684)	1:483:A:VAL:HG21	1:538:A:PRO:HD2	20	2.6
(1,684)	1:483:A:VAL:HG22	1:538:A:PRO:HD2	20	2.6
(1,684)	1:483:A:VAL:HG23	1:538:A:PRO:HD2	20	2.6
(1,559)	1:508:A:ILE:HG13	1:514:A:ILE:HG13	15	2.6
(1,1153)	1:558:A:GLN:HG2	1:560:A:LEU:HA	18	2.59
(1,1153)	1:558:A:GLN:HG3	1:560:A:LEU:HA	18	2.59
(1,1153)	1:558:A:GLN:HG2	1:560:A:LEU:HA	20	2.59
(1,1153)	1:558:A:GLN:HG3	1:560:A:LEU:HA	20	2.59
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD11	9	2.59
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD12	9	2.59
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD13	9	2.59
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD21	9	2.59
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD22	9	2.59
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD23	9	2.59
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD11	9	2.59
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD12	9	2.59
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD13	9	2.59
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD21	9	2.59
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD22	9	2.59
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD23	9	2.59
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD11	9	2.59
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD12	9	2.59
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD13	9	2.59
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD21	9	2.59
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD22	9	2.59
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD23	9	2.59
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD11	9	2.59
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD12	9	2.59
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD13	9	2.59
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD21	9	2.59
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD22	9	2.59
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD23	9	2.59
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD11	9	2.59
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD12	9	2.59
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD13	9	2.59
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD21	9	2.59
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD22	9	2.59
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD23	9	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD11	9	2.59
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD12	9	2.59
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD13	9	2.59
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD21	9	2.59
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD22	9	2.59
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD23	9	2.59
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG12	12	2.59
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG13	12	2.59
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG12	12	2.59
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG13	12	2.59
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG12	12	2.59
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG13	12	2.59
(1,754)	1:492:A:GLU:HG2	1:556:A:ASN:HB2	3	2.58
(1,559)	1:508:A:ILE:HG13	1:514:A:ILE:HG13	11	2.58
(1,559)	1:508:A:ILE:HG13	1:514:A:ILE:HG13	18	2.58
(1,240)	1:485:A:ASP:H	1:535:A:LYS:HG2	13	2.58
(1,240)	1:485:A:ASP:H	1:535:A:LYS:HG2	15	2.58
(1,240)	1:485:A:ASP:H	1:535:A:LYS:HG2	20	2.58
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG12	3	2.57
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG13	3	2.57
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG12	3	2.57
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG13	3	2.57
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG12	3	2.57
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG13	3	2.57
(1,715)	1:504:A:ILE:HB	1:522:A:ILE:HB	11	2.57
(1,431)	1:542:A:LEU:HG	1:546:A:THR:H	11	2.57
(1,231)	1:538:A:PRO:HB2	1:541:A:VAL:H	6	2.57
(1,107)	1:486:A:MET:HA	1:535:A:LYS:H	11	2.57
(1,684)	1:483:A:VAL:HG21	1:538:A:PRO:HD2	6	2.56
(1,684)	1:483:A:VAL:HG22	1:538:A:PRO:HD2	6	2.56
(1,684)	1:483:A:VAL:HG23	1:538:A:PRO:HD2	6	2.56
(1,684)	1:483:A:VAL:HG21	1:538:A:PRO:HD2	13	2.56
(1,684)	1:483:A:VAL:HG22	1:538:A:PRO:HD2	13	2.56
(1,684)	1:483:A:VAL:HG23	1:538:A:PRO:HD2	13	2.56
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG21	16	2.56
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG22	16	2.56
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG23	16	2.56
(1,434)	1:542:A:LEU:HD21	1:546:A:THR:H	6	2.56
(1,434)	1:542:A:LEU:HD22	1:546:A:THR:H	6	2.56
(1,434)	1:542:A:LEU:HD23	1:546:A:THR:H	6	2.56
(1,240)	1:485:A:ASP:H	1:535:A:LYS:HG2	8	2.56
(1,754)	1:492:A:GLU:HG2	1:556:A:ASN:HB2	1	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,684)	1:483:A:VAL:HG21	1:538:A:PRO:HD2	9	2.55
(1,684)	1:483:A:VAL:HG22	1:538:A:PRO:HD2	9	2.55
(1,684)	1:483:A:VAL:HG23	1:538:A:PRO:HD2	9	2.55
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG12	19	2.54
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG13	19	2.54
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG12	19	2.54
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG13	19	2.54
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG12	19	2.54
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG13	19	2.54
(1,754)	1:492:A:GLU:HG2	1:556:A:ASN:HB2	14	2.54
(1,715)	1:504:A:ILE:HB	1:522:A:ILE:HB	19	2.54
(1,712)	1:491:A:ILE:HG21	1:555:A:MET:HG2	10	2.54
(1,712)	1:491:A:ILE:HG22	1:555:A:MET:HG2	10	2.54
(1,712)	1:491:A:ILE:HG23	1:555:A:MET:HG2	10	2.54
(1,434)	1:542:A:LEU:HD21	1:546:A:THR:H	20	2.54
(1,434)	1:542:A:LEU:HD22	1:546:A:THR:H	20	2.54
(1,434)	1:542:A:LEU:HD23	1:546:A:THR:H	20	2.54
(1,715)	1:504:A:ILE:HB	1:522:A:ILE:HB	5	2.53
(1,715)	1:504:A:ILE:HB	1:522:A:ILE:HB	9	2.53
(1,715)	1:504:A:ILE:HB	1:522:A:ILE:HB	10	2.53
(1,684)	1:483:A:VAL:HG21	1:538:A:PRO:HD2	7	2.53
(1,684)	1:483:A:VAL:HG22	1:538:A:PRO:HD2	7	2.53
(1,684)	1:483:A:VAL:HG23	1:538:A:PRO:HD2	7	2.53
(1,452)	1:534:A:PRO:HA	1:536:A:GLY:H	11	2.53
(1,434)	1:542:A:LEU:HD21	1:546:A:THR:H	1	2.53
(1,434)	1:542:A:LEU:HD22	1:546:A:THR:H	1	2.53
(1,434)	1:542:A:LEU:HD23	1:546:A:THR:H	1	2.53
(1,240)	1:485:A:ASP:H	1:535:A:LYS:HG2	16	2.53
(1,1153)	1:558:A:GLN:HG2	1:560:A:LEU:HA	11	2.52
(1,1153)	1:558:A:GLN:HG3	1:560:A:LEU:HA	11	2.52
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG12	6	2.52
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG13	6	2.52
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG12	6	2.52
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG13	6	2.52
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG12	6	2.52
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG13	6	2.52
(1,712)	1:491:A:ILE:HG21	1:555:A:MET:HG2	13	2.52
(1,712)	1:491:A:ILE:HG22	1:555:A:MET:HG2	13	2.52
(1,712)	1:491:A:ILE:HG23	1:555:A:MET:HG2	13	2.52
(1,712)	1:491:A:ILE:HG21	1:555:A:MET:HG2	19	2.52
(1,712)	1:491:A:ILE:HG22	1:555:A:MET:HG2	19	2.52
(1,712)	1:491:A:ILE:HG23	1:555:A:MET:HG2	19	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,684)	1:483:A:VAL:HG21	1:538:A:PRO:HD2	4	2.52
(1,684)	1:483:A:VAL:HG22	1:538:A:PRO:HD2	4	2.52
(1,684)	1:483:A:VAL:HG23	1:538:A:PRO:HD2	4	2.52
(1,240)	1:485:A:ASP:H	1:535:A:LYS:HG2	2	2.52
(1,240)	1:485:A:ASP:H	1:535:A:LYS:HG2	6	2.52
(1,240)	1:485:A:ASP:H	1:535:A:LYS:HG2	19	2.52
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG12	4	2.51
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG13	4	2.51
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG12	4	2.51
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG13	4	2.51
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG12	4	2.51
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG13	4	2.51
(1,759)	1:492:A:GLU:HG3	1:556:A:ASN:HB2	2	2.51
(1,759)	1:492:A:GLU:HG3	1:556:A:ASN:HB2	17	2.51
(1,715)	1:504:A:ILE:HB	1:522:A:ILE:HB	1	2.51
(1,434)	1:542:A:LEU:HD21	1:546:A:THR:H	5	2.51
(1,434)	1:542:A:LEU:HD22	1:546:A:THR:H	5	2.51
(1,434)	1:542:A:LEU:HD23	1:546:A:THR:H	5	2.51
(1,240)	1:485:A:ASP:H	1:535:A:LYS:HG2	10	2.51
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD11	15	2.5
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD12	15	2.5
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD13	15	2.5
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD21	15	2.5
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD22	15	2.5
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD23	15	2.5
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD11	15	2.5
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD12	15	2.5
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD13	15	2.5
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD21	15	2.5
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD22	15	2.5
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD23	15	2.5
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD11	15	2.5
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD12	15	2.5
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD13	15	2.5
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD21	15	2.5
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD22	15	2.5
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD23	15	2.5
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD11	15	2.5
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD12	15	2.5
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD13	15	2.5
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD21	15	2.5
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD22	15	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD23	15	2.5
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD11	15	2.5
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD12	15	2.5
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD13	15	2.5
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD21	15	2.5
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD22	15	2.5
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD23	15	2.5
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD11	15	2.5
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD12	15	2.5
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD13	15	2.5
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD21	15	2.5
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD22	15	2.5
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD23	15	2.5
(1,715)	1:504:A:ILE:HB	1:522:A:ILE:HB	13	2.5
(1,712)	1:491:A:ILE:HG21	1:555:A:MET:HG2	2	2.5
(1,712)	1:491:A:ILE:HG22	1:555:A:MET:HG2	2	2.5
(1,712)	1:491:A:ILE:HG23	1:555:A:MET:HG2	2	2.5
(1,712)	1:491:A:ILE:HG21	1:555:A:MET:HG2	3	2.5
(1,712)	1:491:A:ILE:HG22	1:555:A:MET:HG2	3	2.5
(1,712)	1:491:A:ILE:HG23	1:555:A:MET:HG2	3	2.5
(1,431)	1:542:A:LEU:HG	1:546:A:THR:H	7	2.5
(1,431)	1:542:A:LEU:HG	1:546:A:THR:H	17	2.5
(1,240)	1:485:A:ASP:H	1:535:A:LYS:HG2	4	2.5
(1,231)	1:538:A:PRO:HB2	1:541:A:VAL:H	3	2.5
(1,231)	1:538:A:PRO:HB2	1:541:A:VAL:H	10	2.5
(1,715)	1:504:A:ILE:HB	1:522:A:ILE:HB	6	2.49
(1,559)	1:508:A:ILE:HG13	1:514:A:ILE:HG13	7	2.49
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD11	7	2.48
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD12	7	2.48
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD13	7	2.48
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD21	7	2.48
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD22	7	2.48
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD23	7	2.48
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD11	7	2.48
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD12	7	2.48
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD13	7	2.48
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD21	7	2.48
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD22	7	2.48
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD23	7	2.48
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD11	7	2.48
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD12	7	2.48
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD13	7	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD21	7	2.48
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD22	7	2.48
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD23	7	2.48
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD11	7	2.48
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD12	7	2.48
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD13	7	2.48
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD21	7	2.48
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD22	7	2.48
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD23	7	2.48
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD11	7	2.48
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD12	7	2.48
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD13	7	2.48
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD21	7	2.48
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD22	7	2.48
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD23	7	2.48
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD11	7	2.48
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD12	7	2.48
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD13	7	2.48
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD21	7	2.48
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD22	7	2.48
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD23	7	2.48
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD11	12	2.48
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD12	12	2.48
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD13	12	2.48
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD21	12	2.48
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD22	12	2.48
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD23	12	2.48
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD11	12	2.48
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD12	12	2.48
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD13	12	2.48
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD21	12	2.48
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD22	12	2.48
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD23	12	2.48
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD11	12	2.48
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD12	12	2.48
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD13	12	2.48
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD21	12	2.48
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD22	12	2.48
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD23	12	2.48
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD11	12	2.48
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD12	12	2.48
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD13	12	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD21	12	2.48
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD22	12	2.48
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD23	12	2.48
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD11	12	2.48
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD12	12	2.48
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD13	12	2.48
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD21	12	2.48
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD22	12	2.48
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD23	12	2.48
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD11	12	2.48
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD12	12	2.48
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD13	12	2.48
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD21	12	2.48
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD22	12	2.48
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD23	12	2.48
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG12	5	2.48
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG13	5	2.48
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG12	5	2.48
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG13	5	2.48
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG12	5	2.48
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG13	5	2.48
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG12	9	2.48
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG13	9	2.48
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG12	9	2.48
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG13	9	2.48
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG12	9	2.48
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG13	9	2.48
(1,715)	1:504:A:ILE:HB	1:522:A:ILE:HB	3	2.48
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG12	10	2.47
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG13	10	2.47
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG12	10	2.47
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG13	10	2.47
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG12	10	2.47
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG13	10	2.47
(1,715)	1:504:A:ILE:HB	1:522:A:ILE:HB	12	2.47
(1,712)	1:491:A:ILE:HG21	1:555:A:MET:HG2	16	2.47
(1,712)	1:491:A:ILE:HG22	1:555:A:MET:HG2	16	2.47
(1,712)	1:491:A:ILE:HG23	1:555:A:MET:HG2	16	2.47
(1,684)	1:483:A:VAL:HG21	1:538:A:PRO:HD2	3	2.47
(1,684)	1:483:A:VAL:HG22	1:538:A:PRO:HD2	3	2.47
(1,684)	1:483:A:VAL:HG23	1:538:A:PRO:HD2	3	2.47
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG21	19	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG22	19	2.47
(1,549)	1:542:A:LEU:HG	1:546:A:THR:HG23	19	2.47
(1,240)	1:485:A:ASP:H	1:535:A:LYS:HG2	5	2.47
(1,1153)	1:558:A:GLN:HG2	1:560:A:LEU:HA	19	2.46
(1,1153)	1:558:A:GLN:HG3	1:560:A:LEU:HA	19	2.46
(1,712)	1:491:A:ILE:HG21	1:555:A:MET:HG2	17	2.46
(1,712)	1:491:A:ILE:HG22	1:555:A:MET:HG2	17	2.46
(1,712)	1:491:A:ILE:HG23	1:555:A:MET:HG2	17	2.46
(1,240)	1:485:A:ASP:H	1:535:A:LYS:HG2	3	2.46
(1,240)	1:485:A:ASP:H	1:535:A:LYS:HG2	17	2.46
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG12	13	2.45
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG13	13	2.45
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG12	13	2.45
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG13	13	2.45
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG12	13	2.45
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG13	13	2.45
(1,240)	1:485:A:ASP:H	1:535:A:LYS:HG2	18	2.45
(1,715)	1:504:A:ILE:HB	1:522:A:ILE:HB	7	2.44
(1,712)	1:491:A:ILE:HG21	1:555:A:MET:HG2	11	2.44
(1,712)	1:491:A:ILE:HG22	1:555:A:MET:HG2	11	2.44
(1,712)	1:491:A:ILE:HG23	1:555:A:MET:HG2	11	2.44
(1,431)	1:542:A:LEU:HG	1:546:A:THR:H	16	2.44
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG12	2	2.43
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG13	2	2.43
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG12	2	2.43
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG13	2	2.43
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG12	2	2.43
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG13	2	2.43
(1,805)	1:491:A:ILE:HD11	1:555:A:MET:HG2	18	2.43
(1,805)	1:491:A:ILE:HD12	1:555:A:MET:HG2	18	2.43
(1,805)	1:491:A:ILE:HD13	1:555:A:MET:HG2	18	2.43
(1,452)	1:534:A:PRO:HA	1:536:A:GLY:H	18	2.43
(1,84)	1:487:A:GLN:HA	1:563:A:ALA:H	11	2.43
(1,81)	1:561:A:GLY:H	1:563:A:ALA:H	11	2.43
(1,61)	1:561:A:GLY:HA2	1:563:A:ALA:H	1	2.43
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD11	19	2.42
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD12	19	2.42
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD13	19	2.42
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD21	19	2.42
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD22	19	2.42
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD23	19	2.42
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD11	19	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD12	19	2.42
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD13	19	2.42
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD21	19	2.42
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD22	19	2.42
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD23	19	2.42
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD11	19	2.42
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD12	19	2.42
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD13	19	2.42
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD21	19	2.42
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD22	19	2.42
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD23	19	2.42
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD11	19	2.42
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD12	19	2.42
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD13	19	2.42
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD21	19	2.42
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD22	19	2.42
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD23	19	2.42
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD11	19	2.42
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD12	19	2.42
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD13	19	2.42
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD21	19	2.42
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD22	19	2.42
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD23	19	2.42
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD11	19	2.42
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD12	19	2.42
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD13	19	2.42
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD21	19	2.42
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD22	19	2.42
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD23	19	2.42
(1,712)	1:491:A:ILE:HG21	1:555:A:MET:HG2	6	2.42
(1,712)	1:491:A:ILE:HG22	1:555:A:MET:HG2	6	2.42
(1,712)	1:491:A:ILE:HG23	1:555:A:MET:HG2	6	2.42
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB3	9	2.41
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB2	9	2.41
(1,712)	1:491:A:ILE:HG21	1:555:A:MET:HG2	7	2.41
(1,712)	1:491:A:ILE:HG22	1:555:A:MET:HG2	7	2.41
(1,712)	1:491:A:ILE:HG23	1:555:A:MET:HG2	7	2.41
(1,452)	1:534:A:PRO:HA	1:536:A:GLY:H	7	2.41
(1,452)	1:534:A:PRO:HA	1:536:A:GLY:H	12	2.41
(1,452)	1:534:A:PRO:HA	1:536:A:GLY:H	13	2.41
(1,61)	1:561:A:GLY:HA2	1:563:A:ALA:H	10	2.41
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG12	11	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG13	11	2.4
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG12	11	2.4
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG13	11	2.4
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG12	11	2.4
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG13	11	2.4
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB3	3	2.4
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB2	3	2.4
(1,759)	1:492:A:GLU:HG3	1:556:A:ASN:HB2	10	2.4
(1,452)	1:534:A:PRO:HA	1:536:A:GLY:H	16	2.4
(1,61)	1:561:A:GLY:HA2	1:563:A:ALA:H	6	2.4
(1,61)	1:561:A:GLY:HA2	1:563:A:ALA:H	16	2.4
(1,61)	1:561:A:GLY:HA2	1:563:A:ALA:H	17	2.4
(1,61)	1:561:A:GLY:HA2	1:563:A:ALA:H	20	2.4
(1,754)	1:492:A:GLU:HG2	1:556:A:ASN:HB2	13	2.39
(1,715)	1:504:A:ILE:HB	1:522:A:ILE:HB	15	2.39
(1,712)	1:491:A:ILE:HG21	1:555:A:MET:HG2	1	2.39
(1,712)	1:491:A:ILE:HG22	1:555:A:MET:HG2	1	2.39
(1,712)	1:491:A:ILE:HG23	1:555:A:MET:HG2	1	2.39
(1,61)	1:561:A:GLY:HA2	1:563:A:ALA:H	2	2.39
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD11	18	2.38
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD12	18	2.38
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD13	18	2.38
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD21	18	2.38
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD22	18	2.38
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD23	18	2.38
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD11	18	2.38
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD12	18	2.38
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD13	18	2.38
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD21	18	2.38
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD22	18	2.38
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD23	18	2.38
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD11	18	2.38
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD12	18	2.38
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD13	18	2.38
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD21	18	2.38
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD22	18	2.38
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD23	18	2.38
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD11	18	2.38
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD12	18	2.38
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD13	18	2.38
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD21	18	2.38
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD22	18	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD23	18	2.38
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD11	18	2.38
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD12	18	2.38
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD13	18	2.38
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD21	18	2.38
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD22	18	2.38
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD23	18	2.38
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD11	18	2.38
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD12	18	2.38
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD13	18	2.38
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD21	18	2.38
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD22	18	2.38
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD23	18	2.38
(1,759)	1:492:A:GLU:HG3	1:556:A:ASN:HB2	13	2.38
(1,715)	1:504:A:ILE:HB	1:522:A:ILE:HB	8	2.38
(1,452)	1:534:A:PRO:HA	1:536:A:GLY:H	1	2.38
(1,452)	1:534:A:PRO:HA	1:536:A:GLY:H	3	2.38
(1,452)	1:534:A:PRO:HA	1:536:A:GLY:H	4	2.38
(1,452)	1:534:A:PRO:HA	1:536:A:GLY:H	15	2.38
(1,452)	1:534:A:PRO:HA	1:536:A:GLY:H	17	2.38
(1,98)	1:487:A:GLN:H	1:535:A:LYS:H	18	2.38
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG12	7	2.37
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG13	7	2.37
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG12	7	2.37
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG13	7	2.37
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG12	7	2.37
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG13	7	2.37
(1,452)	1:534:A:PRO:HA	1:536:A:GLY:H	20	2.37
(1,240)	1:485:A:ASP:H	1:535:A:LYS:HG2	9	2.37
(1,61)	1:561:A:GLY:HA2	1:563:A:ALA:H	8	2.37
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG12	1	2.36
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG13	1	2.36
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG12	1	2.36
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG13	1	2.36
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG12	1	2.36
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG13	1	2.36
(1,754)	1:492:A:GLU:HG2	1:556:A:ASN:HB2	9	2.36
(1,231)	1:538:A:PRO:HB2	1:541:A:VAL:H	2	2.36
(1,84)	1:487:A:GLN:HA	1:563:A:ALA:H	8	2.36
(1,61)	1:561:A:GLY:HA2	1:563:A:ALA:H	5	2.36
(1,61)	1:561:A:GLY:HA2	1:563:A:ALA:H	9	2.36
(1,61)	1:561:A:GLY:HA2	1:563:A:ALA:H	18	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,754)	1:492:A:GLU:HG2	1:556:A:ASN:HB2	5	2.35
(1,452)	1:534:A:PRO:HA	1:536:A:GLY:H	6	2.35
(1,452)	1:534:A:PRO:HA	1:536:A:GLY:H	10	2.35
(1,84)	1:487:A:GLN:HA	1:563:A:ALA:H	1	2.35
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD11	11	2.34
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD12	11	2.34
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD13	11	2.34
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD21	11	2.34
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD22	11	2.34
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD23	11	2.34
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD11	11	2.34
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD12	11	2.34
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD13	11	2.34
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD21	11	2.34
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD22	11	2.34
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD23	11	2.34
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD11	11	2.34
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD12	11	2.34
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD13	11	2.34
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD21	11	2.34
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD22	11	2.34
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD23	11	2.34
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD11	11	2.34
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD12	11	2.34
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD13	11	2.34
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD21	11	2.34
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD22	11	2.34
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD23	11	2.34
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD11	11	2.34
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD12	11	2.34
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD13	11	2.34
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD21	11	2.34
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD22	11	2.34
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD23	11	2.34
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD11	11	2.34
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD12	11	2.34
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD13	11	2.34
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD21	11	2.34
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD22	11	2.34
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD23	11	2.34
(1,715)	1:504:A:ILE:HB	1:522:A:ILE:HB	14	2.34
(1,452)	1:534:A:PRO:HA	1:536:A:GLY:H	9	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,452)	1:534:A:PRO:HA	1:536:A:GLY:H	19	2.34
(1,231)	1:538:A:PRO:HB2	1:541:A:VAL:H	4	2.34
(1,61)	1:561:A:GLY:HA2	1:563:A:ALA:H	3	2.34
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD11	3	2.33
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD12	3	2.33
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD13	3	2.33
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD21	3	2.33
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD22	3	2.33
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD23	3	2.33
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD11	3	2.33
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD12	3	2.33
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD13	3	2.33
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD21	3	2.33
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD22	3	2.33
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD23	3	2.33
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD11	3	2.33
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD12	3	2.33
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD13	3	2.33
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD21	3	2.33
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD22	3	2.33
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD23	3	2.33
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD11	3	2.33
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD12	3	2.33
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD13	3	2.33
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD21	3	2.33
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD22	3	2.33
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD23	3	2.33
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD11	3	2.33
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD12	3	2.33
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD13	3	2.33
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD21	3	2.33
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD22	3	2.33
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD23	3	2.33
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD11	3	2.33
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD12	3	2.33
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD13	3	2.33
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD21	3	2.33
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD22	3	2.33
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD23	3	2.33
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD11	4	2.33
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD12	4	2.33
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD13	4	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD21	4	2.33
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD22	4	2.33
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD23	4	2.33
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD11	4	2.33
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD12	4	2.33
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD13	4	2.33
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD21	4	2.33
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD22	4	2.33
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD23	4	2.33
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD11	4	2.33
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD12	4	2.33
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD13	4	2.33
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD21	4	2.33
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD22	4	2.33
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD23	4	2.33
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD11	4	2.33
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD12	4	2.33
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD13	4	2.33
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD21	4	2.33
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD22	4	2.33
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD23	4	2.33
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD11	4	2.33
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD12	4	2.33
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD13	4	2.33
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD21	4	2.33
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD22	4	2.33
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD23	4	2.33
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD11	4	2.33
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD12	4	2.33
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD13	4	2.33
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD21	4	2.33
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD22	4	2.33
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD23	4	2.33
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG2	8	2.33
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG3	8	2.33
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG2	8	2.33
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG3	8	2.33
(1,452)	1:534:A:PRO:HA	1:536:A:GLY:H	2	2.33
(1,452)	1:534:A:PRO:HA	1:536:A:GLY:H	8	2.33
(1,452)	1:534:A:PRO:HA	1:536:A:GLY:H	14	2.33
(1,434)	1:542:A:LEU:HD21	1:546:A:THR:H	11	2.33
(1,434)	1:542:A:LEU:HD22	1:546:A:THR:H	11	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,434)	1:542:A:LEU:HD23	1:546:A:THR:H	11	2.33
(1,452)	1:534:A:PRO:HA	1:536:A:GLY:H	5	2.32
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB3	16	2.31
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB2	16	2.31
(1,431)	1:542:A:LEU:HG	1:546:A:THR:H	19	2.31
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB3	4	2.3
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB2	4	2.3
(1,712)	1:491:A:ILE:HG21	1:555:A:MET:HG2	14	2.3
(1,712)	1:491:A:ILE:HG22	1:555:A:MET:HG2	14	2.3
(1,712)	1:491:A:ILE:HG23	1:555:A:MET:HG2	14	2.3
(1,231)	1:538:A:PRO:HB2	1:541:A:VAL:H	15	2.3
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB1	11	2.3
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB2	11	2.3
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB3	11	2.3
(1,61)	1:561:A:GLY:HA2	1:563:A:ALA:H	11	2.3
(1,715)	1:504:A:ILE:HB	1:522:A:ILE:HB	4	2.29
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG12	8	2.28
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG13	8	2.28
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG12	8	2.28
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG13	8	2.28
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG12	8	2.28
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG13	8	2.28
(1,759)	1:492:A:GLU:HG3	1:556:A:ASN:HB2	4	2.28
(1,712)	1:491:A:ILE:HG21	1:555:A:MET:HG2	15	2.28
(1,712)	1:491:A:ILE:HG22	1:555:A:MET:HG2	15	2.28
(1,712)	1:491:A:ILE:HG23	1:555:A:MET:HG2	15	2.28
(1,684)	1:483:A:VAL:HG21	1:538:A:PRO:HD2	19	2.28
(1,684)	1:483:A:VAL:HG22	1:538:A:PRO:HD2	19	2.28
(1,684)	1:483:A:VAL:HG23	1:538:A:PRO:HD2	19	2.28
(1,759)	1:492:A:GLU:HG3	1:556:A:ASN:HB2	1	2.27
(1,81)	1:561:A:GLY:H	1:563:A:ALA:H	12	2.27
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD11	13	2.26
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD12	13	2.26
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD13	13	2.26
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD21	13	2.26
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD22	13	2.26
(1,1096)	1:533:A:LEU:HD11	1:559:A:LEU:HD23	13	2.26
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD11	13	2.26
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD12	13	2.26
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD13	13	2.26
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD21	13	2.26
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD22	13	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	1:533:A:LEU:HD12	1:559:A:LEU:HD23	13	2.26
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD11	13	2.26
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD12	13	2.26
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD13	13	2.26
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD21	13	2.26
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD22	13	2.26
(1,1096)	1:533:A:LEU:HD13	1:559:A:LEU:HD23	13	2.26
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD11	13	2.26
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD12	13	2.26
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD13	13	2.26
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD21	13	2.26
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD22	13	2.26
(1,1096)	1:533:A:LEU:HD21	1:559:A:LEU:HD23	13	2.26
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD11	13	2.26
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD12	13	2.26
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD13	13	2.26
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD21	13	2.26
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD22	13	2.26
(1,1096)	1:533:A:LEU:HD22	1:559:A:LEU:HD23	13	2.26
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD11	13	2.26
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD12	13	2.26
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD13	13	2.26
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD21	13	2.26
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD22	13	2.26
(1,1096)	1:533:A:LEU:HD23	1:559:A:LEU:HD23	13	2.26
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG2	1	2.26
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG3	1	2.26
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG2	1	2.26
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG3	1	2.26
(1,231)	1:538:A:PRO:HB2	1:541:A:VAL:H	20	2.26
(1,84)	1:487:A:GLN:HA	1:563:A:ALA:H	17	2.26
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB3	13	2.25
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB2	13	2.25
(1,712)	1:491:A:ILE:HG21	1:555:A:MET:HG2	8	2.25
(1,712)	1:491:A:ILE:HG22	1:555:A:MET:HG2	8	2.25
(1,712)	1:491:A:ILE:HG23	1:555:A:MET:HG2	8	2.25
(1,434)	1:542:A:LEU:HD21	1:546:A:THR:H	7	2.25
(1,434)	1:542:A:LEU:HD22	1:546:A:THR:H	7	2.25
(1,434)	1:542:A:LEU:HD23	1:546:A:THR:H	7	2.25
(1,81)	1:561:A:GLY:H	1:563:A:ALA:H	15	2.25
(1,61)	1:561:A:GLY:HA2	1:563:A:ALA:H	14	2.25
(1,988)	1:492:A:GLU:HG2	1:556:A:ASN:HA	8	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,988)	1:492:A:GLU:HG3	1:556:A:ASN:HA	8	2.24
(1,754)	1:492:A:GLU:HG2	1:556:A:ASN:HB2	10	2.24
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG12	14	2.23
(1,1041)	1:507:A:ALA:HB1	1:550:A:ILE:HG13	14	2.23
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG12	14	2.23
(1,1041)	1:507:A:ALA:HB2	1:550:A:ILE:HG13	14	2.23
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG12	14	2.23
(1,1041)	1:507:A:ALA:HB3	1:550:A:ILE:HG13	14	2.23
(1,434)	1:542:A:LEU:HD21	1:546:A:THR:H	16	2.23
(1,434)	1:542:A:LEU:HD22	1:546:A:THR:H	16	2.23
(1,434)	1:542:A:LEU:HD23	1:546:A:THR:H	16	2.23
(1,231)	1:538:A:PRO:HB2	1:541:A:VAL:H	13	2.23
(1,84)	1:487:A:GLN:HA	1:563:A:ALA:H	2	2.23
(1,84)	1:487:A:GLN:HA	1:563:A:ALA:H	20	2.23
(1,759)	1:492:A:GLU:HG3	1:556:A:ASN:HB2	14	2.22
(1,81)	1:561:A:GLY:H	1:563:A:ALA:H	19	2.22
(1,759)	1:492:A:GLU:HG3	1:556:A:ASN:HB2	3	2.21
(1,434)	1:542:A:LEU:HD21	1:546:A:THR:H	17	2.21
(1,434)	1:542:A:LEU:HD22	1:546:A:THR:H	17	2.21
(1,434)	1:542:A:LEU:HD23	1:546:A:THR:H	17	2.21
(1,84)	1:487:A:GLN:HA	1:563:A:ALA:H	5	2.21
(1,81)	1:561:A:GLY:H	1:563:A:ALA:H	3	2.21
(1,61)	1:561:A:GLY:HA2	1:563:A:ALA:H	19	2.21
(1,988)	1:492:A:GLU:HG2	1:556:A:ASN:HA	7	2.2
(1,988)	1:492:A:GLU:HG3	1:556:A:ASN:HA	7	2.2
(1,61)	1:561:A:GLY:HA2	1:563:A:ALA:H	13	2.2
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG2	7	2.19
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG3	7	2.19
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG2	7	2.19
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG3	7	2.19
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG2	11	2.19
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG3	11	2.19
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG2	11	2.19
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG3	11	2.19
(1,84)	1:487:A:GLN:HA	1:563:A:ALA:H	9	2.19
(1,81)	1:561:A:GLY:H	1:563:A:ALA:H	7	2.19
(1,61)	1:561:A:GLY:HA2	1:563:A:ALA:H	12	2.19
(1,605)	1:542:A:LEU:HD21	1:543:A:GLN:HA	14	2.18
(1,605)	1:542:A:LEU:HD22	1:543:A:GLN:HA	14	2.18
(1,605)	1:542:A:LEU:HD23	1:543:A:GLN:HA	14	2.18
(1,84)	1:487:A:GLN:HA	1:563:A:ALA:H	6	2.18
(1,605)	1:542:A:LEU:HD21	1:543:A:GLN:HA	2	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,605)	1:542:A:LEU:HD22	1:543:A:GLN:HA	2	2.17
(1,605)	1:542:A:LEU:HD23	1:543:A:GLN:HA	2	2.17
(1,449)	1:483:A:VAL:HG11	1:536:A:GLY:H	1	2.17
(1,449)	1:483:A:VAL:HG12	1:536:A:GLY:H	1	2.17
(1,449)	1:483:A:VAL:HG13	1:536:A:GLY:H	1	2.17
(1,81)	1:561:A:GLY:H	1:563:A:ALA:H	14	2.17
(1,61)	1:561:A:GLY:HA2	1:563:A:ALA:H	15	2.17
(1,988)	1:492:A:GLU:HG2	1:556:A:ASN:HA	18	2.16
(1,988)	1:492:A:GLU:HG3	1:556:A:ASN:HA	18	2.16
(1,605)	1:542:A:LEU:HD21	1:543:A:GLN:HA	4	2.16
(1,605)	1:542:A:LEU:HD22	1:543:A:GLN:HA	4	2.16
(1,605)	1:542:A:LEU:HD23	1:543:A:GLN:HA	4	2.16
(1,605)	1:542:A:LEU:HD21	1:543:A:GLN:HA	12	2.16
(1,605)	1:542:A:LEU:HD22	1:543:A:GLN:HA	12	2.16
(1,605)	1:542:A:LEU:HD23	1:543:A:GLN:HA	12	2.16
(1,988)	1:492:A:GLU:HG2	1:556:A:ASN:HA	16	2.15
(1,988)	1:492:A:GLU:HG3	1:556:A:ASN:HA	16	2.15
(1,434)	1:542:A:LEU:HD21	1:546:A:THR:H	19	2.15
(1,434)	1:542:A:LEU:HD22	1:546:A:THR:H	19	2.15
(1,434)	1:542:A:LEU:HD23	1:546:A:THR:H	19	2.15
(1,177)	1:487:A:GLN:H	1:534:A:PRO:HA	5	2.15
(1,107)	1:486:A:MET:HA	1:535:A:LYS:H	18	2.15
(1,84)	1:487:A:GLN:HA	1:563:A:ALA:H	16	2.15
(1,684)	1:483:A:VAL:HG21	1:538:A:PRO:HD2	11	2.14
(1,684)	1:483:A:VAL:HG22	1:538:A:PRO:HD2	11	2.14
(1,684)	1:483:A:VAL:HG23	1:538:A:PRO:HD2	11	2.14
(1,231)	1:538:A:PRO:HB2	1:541:A:VAL:H	9	2.14
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB1	8	2.14
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB2	8	2.14
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB3	8	2.14
(1,177)	1:487:A:GLN:H	1:534:A:PRO:HA	2	2.14
(1,177)	1:487:A:GLN:H	1:534:A:PRO:HA	9	2.14
(1,605)	1:542:A:LEU:HD21	1:543:A:GLN:HA	13	2.13
(1,605)	1:542:A:LEU:HD22	1:543:A:GLN:HA	13	2.13
(1,605)	1:542:A:LEU:HD23	1:543:A:GLN:HA	13	2.13
(1,231)	1:538:A:PRO:HB2	1:541:A:VAL:H	18	2.13
(1,177)	1:487:A:GLN:H	1:534:A:PRO:HA	17	2.13
(1,84)	1:487:A:GLN:HA	1:563:A:ALA:H	10	2.13
(1,61)	1:561:A:GLY:HA2	1:563:A:ALA:H	4	2.13
(1,61)	1:561:A:GLY:HA2	1:563:A:ALA:H	7	2.13
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB3	18	2.12
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB2	18	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,754)	1:492:A:GLU:HG2	1:556:A:ASN:HB2	2	2.12
(1,805)	1:491:A:ILE:HD11	1:555:A:MET:HG2	10	2.11
(1,805)	1:491:A:ILE:HD12	1:555:A:MET:HG2	10	2.11
(1,805)	1:491:A:ILE:HD13	1:555:A:MET:HG2	10	2.11
(1,605)	1:542:A:LEU:HD21	1:543:A:GLN:HA	15	2.11
(1,605)	1:542:A:LEU:HD22	1:543:A:GLN:HA	15	2.11
(1,605)	1:542:A:LEU:HD23	1:543:A:GLN:HA	15	2.11
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB1	18	2.11
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB2	18	2.11
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB3	18	2.11
(1,81)	1:561:A:GLY:H	1:563:A:ALA:H	4	2.11
(1,805)	1:491:A:ILE:HD11	1:555:A:MET:HG2	4	2.1
(1,805)	1:491:A:ILE:HD12	1:555:A:MET:HG2	4	2.1
(1,805)	1:491:A:ILE:HD13	1:555:A:MET:HG2	4	2.1
(1,203)	1:550:A:ILE:H	1:554:A:PRO:HA	7	2.1
(1,203)	1:550:A:ILE:H	1:554:A:PRO:HA	13	2.1
(1,177)	1:487:A:GLN:H	1:534:A:PRO:HA	4	2.1
(1,81)	1:561:A:GLY:H	1:563:A:ALA:H	13	2.1
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG2	6	2.09
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG3	6	2.09
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG2	6	2.09
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG3	6	2.09
(1,203)	1:550:A:ILE:H	1:554:A:PRO:HA	12	2.09
(1,203)	1:550:A:ILE:H	1:554:A:PRO:HA	16	2.09
(1,177)	1:487:A:GLN:H	1:534:A:PRO:HA	8	2.09
(1,759)	1:492:A:GLU:HG3	1:556:A:ASN:HB2	5	2.08
(1,754)	1:492:A:GLU:HG2	1:556:A:ASN:HB2	16	2.08
(1,605)	1:542:A:LEU:HD21	1:543:A:GLN:HA	8	2.08
(1,605)	1:542:A:LEU:HD22	1:543:A:GLN:HA	8	2.08
(1,605)	1:542:A:LEU:HD23	1:543:A:GLN:HA	8	2.08
(1,203)	1:550:A:ILE:H	1:554:A:PRO:HA	17	2.08
(1,203)	1:550:A:ILE:H	1:554:A:PRO:HA	20	2.08
(1,177)	1:487:A:GLN:H	1:534:A:PRO:HA	6	2.08
(1,177)	1:487:A:GLN:H	1:534:A:PRO:HA	14	2.08
(1,177)	1:487:A:GLN:H	1:534:A:PRO:HA	19	2.08
(1,84)	1:487:A:GLN:HA	1:563:A:ALA:H	18	2.08
(1,988)	1:492:A:GLU:HG2	1:556:A:ASN:HA	6	2.07
(1,988)	1:492:A:GLU:HG3	1:556:A:ASN:HA	6	2.07
(1,805)	1:491:A:ILE:HD11	1:555:A:MET:HG2	9	2.07
(1,805)	1:491:A:ILE:HD12	1:555:A:MET:HG2	9	2.07
(1,805)	1:491:A:ILE:HD13	1:555:A:MET:HG2	9	2.07
(1,805)	1:491:A:ILE:HD11	1:555:A:MET:HG2	12	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:491:A:ILE:HD12	1:555:A:MET:HG2	12	2.07
(1,805)	1:491:A:ILE:HD13	1:555:A:MET:HG2	12	2.07
(1,231)	1:538:A:PRO:HB2	1:541:A:VAL:H	16	2.07
(1,203)	1:550:A:ILE:H	1:554:A:PRO:HA	18	2.07
(1,177)	1:487:A:GLN:H	1:534:A:PRO:HA	3	2.07
(1,988)	1:492:A:GLU:HG2	1:556:A:ASN:HA	2	2.06
(1,988)	1:492:A:GLU:HG3	1:556:A:ASN:HA	2	2.06
(1,988)	1:492:A:GLU:HG2	1:556:A:ASN:HA	13	2.06
(1,988)	1:492:A:GLU:HG3	1:556:A:ASN:HA	13	2.06
(1,805)	1:491:A:ILE:HD11	1:555:A:MET:HG2	20	2.06
(1,805)	1:491:A:ILE:HD12	1:555:A:MET:HG2	20	2.06
(1,805)	1:491:A:ILE:HD13	1:555:A:MET:HG2	20	2.06
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD11	11	2.06
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD12	11	2.06
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD13	11	2.06
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD11	11	2.06
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD12	11	2.06
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD13	11	2.06
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD11	11	2.06
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD12	11	2.06
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD13	11	2.06
(1,605)	1:542:A:LEU:HD21	1:543:A:GLN:HA	9	2.06
(1,605)	1:542:A:LEU:HD22	1:543:A:GLN:HA	9	2.06
(1,605)	1:542:A:LEU:HD23	1:543:A:GLN:HA	9	2.06
(1,605)	1:542:A:LEU:HD21	1:543:A:GLN:HA	18	2.06
(1,605)	1:542:A:LEU:HD22	1:543:A:GLN:HA	18	2.06
(1,605)	1:542:A:LEU:HD23	1:543:A:GLN:HA	18	2.06
(1,203)	1:550:A:ILE:H	1:554:A:PRO:HA	2	2.06
(1,203)	1:550:A:ILE:H	1:554:A:PRO:HA	8	2.06
(1,203)	1:550:A:ILE:H	1:554:A:PRO:HA	11	2.06
(1,177)	1:487:A:GLN:H	1:534:A:PRO:HA	10	2.06
(1,988)	1:492:A:GLU:HG2	1:556:A:ASN:HA	19	2.05
(1,988)	1:492:A:GLU:HG3	1:556:A:ASN:HA	19	2.05
(1,759)	1:492:A:GLU:HG3	1:556:A:ASN:HB2	9	2.05
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD11	5	2.05
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD12	5	2.05
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD13	5	2.05
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD11	5	2.05
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD12	5	2.05
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD13	5	2.05
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD11	5	2.05
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD12	5	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD13	5	2.05
(1,231)	1:538:A:PRO:HB2	1:541:A:VAL:H	12	2.05
(1,203)	1:550:A:ILE:H	1:554:A:PRO:HA	3	2.05
(1,203)	1:550:A:ILE:H	1:554:A:PRO:HA	14	2.05
(1,177)	1:487:A:GLN:H	1:534:A:PRO:HA	12	2.05
(1,177)	1:487:A:GLN:H	1:534:A:PRO:HA	16	2.05
(1,988)	1:492:A:GLU:HG2	1:556:A:ASN:HA	1	2.04
(1,988)	1:492:A:GLU:HG3	1:556:A:ASN:HA	1	2.04
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD11	8	2.04
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD12	8	2.04
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD13	8	2.04
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD11	8	2.04
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD12	8	2.04
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD13	8	2.04
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD11	8	2.04
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD12	8	2.04
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD13	8	2.04
(1,203)	1:550:A:ILE:H	1:554:A:PRO:HA	1	2.04
(1,203)	1:550:A:ILE:H	1:554:A:PRO:HA	5	2.04
(1,203)	1:550:A:ILE:H	1:554:A:PRO:HA	6	2.04
(1,203)	1:550:A:ILE:H	1:554:A:PRO:HA	9	2.04
(1,203)	1:550:A:ILE:H	1:554:A:PRO:HA	19	2.04
(1,177)	1:487:A:GLN:H	1:534:A:PRO:HA	15	2.04
(1,84)	1:487:A:GLN:HA	1:563:A:ALA:H	4	2.04
(1,84)	1:487:A:GLN:HA	1:563:A:ALA:H	12	2.04
(1,988)	1:492:A:GLU:HG2	1:556:A:ASN:HA	3	2.03
(1,988)	1:492:A:GLU:HG3	1:556:A:ASN:HA	3	2.03
(1,759)	1:492:A:GLU:HG3	1:556:A:ASN:HB2	15	2.03
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD11	6	2.03
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD12	6	2.03
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD13	6	2.03
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD11	6	2.03
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD12	6	2.03
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD13	6	2.03
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD11	6	2.03
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD12	6	2.03
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD13	6	2.03
(1,605)	1:542:A:LEU:HD21	1:543:A:GLN:HA	17	2.03
(1,605)	1:542:A:LEU:HD22	1:543:A:GLN:HA	17	2.03
(1,605)	1:542:A:LEU:HD23	1:543:A:GLN:HA	17	2.03
(1,605)	1:542:A:LEU:HD21	1:543:A:GLN:HA	20	2.03
(1,605)	1:542:A:LEU:HD22	1:543:A:GLN:HA	20	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,605)	1:542:A:LEU:HD23	1:543:A:GLN:HA	20	2.03
(1,231)	1:538:A:PRO:HB2	1:541:A:VAL:H	19	2.03
(1,203)	1:550:A:ILE:H	1:554:A:PRO:HA	4	2.03
(1,203)	1:550:A:ILE:H	1:554:A:PRO:HA	10	2.03
(1,177)	1:487:A:GLN:H	1:534:A:PRO:HA	11	2.03
(1,988)	1:492:A:GLU:HG2	1:556:A:ASN:HA	20	2.02
(1,988)	1:492:A:GLU:HG3	1:556:A:ASN:HA	20	2.02
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB3	20	2.02
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB2	20	2.02
(1,203)	1:550:A:ILE:H	1:554:A:PRO:HA	15	2.02
(1,177)	1:487:A:GLN:H	1:534:A:PRO:HA	20	2.02
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB3	6	2.01
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB2	6	2.01
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB3	7	2.01
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB2	7	2.01
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB3	19	2.01
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB2	19	2.01
(1,684)	1:483:A:VAL:HG21	1:538:A:PRO:HD2	18	2.01
(1,684)	1:483:A:VAL:HG22	1:538:A:PRO:HD2	18	2.01
(1,684)	1:483:A:VAL:HG23	1:538:A:PRO:HD2	18	2.01
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD11	16	2.01
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD12	16	2.01
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD13	16	2.01
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD11	16	2.01
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD12	16	2.01
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD13	16	2.01
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD11	16	2.01
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD12	16	2.01
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD13	16	2.01
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB1	1	2.01
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB2	1	2.01
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB3	1	2.01
(1,84)	1:487:A:GLN:HA	1:563:A:ALA:H	15	2.01
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB3	15	2.0
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB2	15	2.0
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD11	3	2.0
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD12	3	2.0
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD13	3	2.0
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD11	3	2.0
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD12	3	2.0
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD13	3	2.0
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD11	3	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD12	3	2.0
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD13	3	2.0
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD11	17	2.0
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD12	17	2.0
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD13	17	2.0
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD11	17	2.0
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD12	17	2.0
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD13	17	2.0
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD11	17	2.0
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD12	17	2.0
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD13	17	2.0
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD11	19	2.0
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD12	19	2.0
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD13	19	2.0
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD11	19	2.0
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD12	19	2.0
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD13	19	2.0
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD11	19	2.0
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD12	19	2.0
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD13	19	2.0
(1,177)	1:487:A:GLN:H	1:534:A:PRO:HA	13	2.0
(1,84)	1:487:A:GLN:HA	1:563:A:ALA:H	14	2.0
(1,988)	1:492:A:GLU:HG2	1:556:A:ASN:HA	12	1.99
(1,988)	1:492:A:GLU:HG3	1:556:A:ASN:HA	12	1.99
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB3	8	1.99
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB2	8	1.99
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB3	10	1.99
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB2	10	1.99
(1,805)	1:491:A:ILE:HD11	1:555:A:MET:HG2	19	1.99
(1,805)	1:491:A:ILE:HD12	1:555:A:MET:HG2	19	1.99
(1,805)	1:491:A:ILE:HD13	1:555:A:MET:HG2	19	1.99
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD11	10	1.99
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD12	10	1.99
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD13	10	1.99
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD11	10	1.99
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD12	10	1.99
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD13	10	1.99
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD11	10	1.99
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD12	10	1.99
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD13	10	1.99
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD11	14	1.99
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD12	14	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD13	14	1.99
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD11	14	1.99
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD12	14	1.99
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD13	14	1.99
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD11	14	1.99
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD12	14	1.99
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD13	14	1.99
(1,84)	1:487:A:GLN:HA	1:563:A:ALA:H	3	1.99
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB3	17	1.98
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB2	17	1.98
(1,866)	1:485:A:ASP:HB3	1:537:A:MET:HB2	1	1.98
(1,805)	1:491:A:ILE:HD11	1:555:A:MET:HG2	5	1.98
(1,805)	1:491:A:ILE:HD12	1:555:A:MET:HG2	5	1.98
(1,805)	1:491:A:ILE:HD13	1:555:A:MET:HG2	5	1.98
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD11	12	1.98
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD12	12	1.98
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD13	12	1.98
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD11	12	1.98
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD12	12	1.98
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD13	12	1.98
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD11	12	1.98
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD12	12	1.98
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD13	12	1.98
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD11	18	1.98
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD12	18	1.98
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD13	18	1.98
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD11	18	1.98
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD12	18	1.98
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD13	18	1.98
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD11	18	1.98
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD12	18	1.98
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD13	18	1.98
(1,605)	1:542:A:LEU:HD21	1:543:A:GLN:HA	10	1.98
(1,605)	1:542:A:LEU:HD22	1:543:A:GLN:HA	10	1.98
(1,605)	1:542:A:LEU:HD23	1:543:A:GLN:HA	10	1.98
(1,605)	1:542:A:LEU:HD21	1:543:A:GLN:HA	11	1.98
(1,605)	1:542:A:LEU:HD22	1:543:A:GLN:HA	11	1.98
(1,605)	1:542:A:LEU:HD23	1:543:A:GLN:HA	11	1.98
(1,231)	1:538:A:PRO:HB2	1:541:A:VAL:H	11	1.98
(1,177)	1:487:A:GLN:H	1:534:A:PRO:HA	1	1.98
(1,177)	1:487:A:GLN:H	1:534:A:PRO:HA	7	1.98
(1,84)	1:487:A:GLN:HA	1:563:A:ALA:H	7	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1098)	1:534:A:PRO:HB2	1:536:A:GLY:H	11	1.97
(1,1098)	1:534:A:PRO:HB3	1:536:A:GLY:H	11	1.97
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB3	5	1.97
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB2	5	1.97
(1,805)	1:491:A:ILE:HD11	1:555:A:MET:HG2	13	1.97
(1,805)	1:491:A:ILE:HD12	1:555:A:MET:HG2	13	1.97
(1,805)	1:491:A:ILE:HD13	1:555:A:MET:HG2	13	1.97
(1,754)	1:492:A:GLU:HG2	1:556:A:ASN:HB2	7	1.97
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD11	2	1.97
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD12	2	1.97
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD13	2	1.97
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD11	2	1.97
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD12	2	1.97
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD13	2	1.97
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD11	2	1.97
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD12	2	1.97
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD13	2	1.97
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD11	15	1.97
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD12	15	1.97
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD13	15	1.97
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD11	15	1.97
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD12	15	1.97
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD13	15	1.97
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD11	15	1.97
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD12	15	1.97
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD13	15	1.97
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD11	20	1.97
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD12	20	1.97
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD13	20	1.97
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD11	20	1.97
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD12	20	1.97
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD13	20	1.97
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD11	20	1.97
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD12	20	1.97
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD13	20	1.97
(1,605)	1:542:A:LEU:HD21	1:543:A:GLN:HA	7	1.97
(1,605)	1:542:A:LEU:HD22	1:543:A:GLN:HA	7	1.97
(1,605)	1:542:A:LEU:HD23	1:543:A:GLN:HA	7	1.97
(1,988)	1:492:A:GLU:HG2	1:556:A:ASN:HA	10	1.96
(1,988)	1:492:A:GLU:HG3	1:556:A:ASN:HA	10	1.96
(1,866)	1:485:A:ASP:HB3	1:537:A:MET:HB2	11	1.96
(1,866)	1:485:A:ASP:HB3	1:537:A:MET:HB2	14	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD11	7	1.96
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD12	7	1.96
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD13	7	1.96
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD11	7	1.96
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD12	7	1.96
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD13	7	1.96
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD11	7	1.96
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD12	7	1.96
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD13	7	1.96
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB1	5	1.96
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB2	5	1.96
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB3	5	1.96
(1,84)	1:487:A:GLN:HA	1:563:A:ALA:H	19	1.96
(1,988)	1:492:A:GLU:HG2	1:556:A:ASN:HA	14	1.95
(1,988)	1:492:A:GLU:HG3	1:556:A:ASN:HA	14	1.95
(1,805)	1:491:A:ILE:HD11	1:555:A:MET:HG2	14	1.95
(1,805)	1:491:A:ILE:HD12	1:555:A:MET:HG2	14	1.95
(1,805)	1:491:A:ILE:HD13	1:555:A:MET:HG2	14	1.95
(1,754)	1:492:A:GLU:HG2	1:556:A:ASN:HB2	8	1.95
(1,754)	1:492:A:GLU:HG2	1:556:A:ASN:HB2	12	1.95
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD11	4	1.95
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD12	4	1.95
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD13	4	1.95
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD11	4	1.95
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD12	4	1.95
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD13	4	1.95
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD11	4	1.95
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD12	4	1.95
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD13	4	1.95
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD11	9	1.95
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD12	9	1.95
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD13	9	1.95
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD11	9	1.95
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD12	9	1.95
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD13	9	1.95
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD11	9	1.95
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD12	9	1.95
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD13	9	1.95
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB1	16	1.95
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB2	16	1.95
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB3	16	1.95
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB3	14	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB2	14	1.94
(1,866)	1:485:A:ASP:HB3	1:537:A:MET:HB2	19	1.94
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD11	1	1.94
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD12	1	1.94
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD13	1	1.94
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD11	1	1.94
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD12	1	1.94
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD13	1	1.94
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD11	1	1.94
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD12	1	1.94
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD13	1	1.94
(1,605)	1:542:A:LEU:HD21	1:543:A:GLN:HA	3	1.94
(1,605)	1:542:A:LEU:HD22	1:543:A:GLN:HA	3	1.94
(1,605)	1:542:A:LEU:HD23	1:543:A:GLN:HA	3	1.94
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG2	12	1.93
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG3	12	1.93
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG2	12	1.93
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG3	12	1.93
(1,805)	1:491:A:ILE:HD11	1:555:A:MET:HG2	2	1.93
(1,805)	1:491:A:ILE:HD12	1:555:A:MET:HG2	2	1.93
(1,805)	1:491:A:ILE:HD13	1:555:A:MET:HG2	2	1.93
(1,754)	1:492:A:GLU:HG2	1:556:A:ASN:HB2	18	1.93
(1,615)	1:501:A:VAL:HG21	1:522:A:ILE:HG12	19	1.93
(1,615)	1:501:A:VAL:HG22	1:522:A:ILE:HG12	19	1.93
(1,615)	1:501:A:VAL:HG23	1:522:A:ILE:HG12	19	1.93
(1,169)	1:483:A:VAL:HG11	1:537:A:MET:H	1	1.93
(1,169)	1:483:A:VAL:HG12	1:537:A:MET:H	1	1.93
(1,169)	1:483:A:VAL:HG13	1:537:A:MET:H	1	1.93
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG2	18	1.92
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG3	18	1.92
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG2	18	1.92
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG3	18	1.92
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	11	1.92
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	11	1.92
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB3	2	1.92
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB2	2	1.92
(1,866)	1:485:A:ASP:HB3	1:537:A:MET:HB2	2	1.92
(1,866)	1:485:A:ASP:HB3	1:537:A:MET:HB2	8	1.92
(1,754)	1:492:A:GLU:HG2	1:556:A:ASN:HB2	6	1.92
(1,615)	1:501:A:VAL:HG21	1:522:A:ILE:HG12	14	1.92
(1,615)	1:501:A:VAL:HG22	1:522:A:ILE:HG12	14	1.92
(1,615)	1:501:A:VAL:HG23	1:522:A:ILE:HG12	14	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB1	9	1.92
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB2	9	1.92
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB3	9	1.92
(1,988)	1:492:A:GLU:HG2	1:556:A:ASN:HA	15	1.91
(1,988)	1:492:A:GLU:HG3	1:556:A:ASN:HA	15	1.91
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD11	13	1.91
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD12	13	1.91
(1,617)	1:501:A:VAL:HG21	1:522:A:ILE:HD13	13	1.91
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD11	13	1.91
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD12	13	1.91
(1,617)	1:501:A:VAL:HG22	1:522:A:ILE:HD13	13	1.91
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD11	13	1.91
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD12	13	1.91
(1,617)	1:501:A:VAL:HG23	1:522:A:ILE:HD13	13	1.91
(1,615)	1:501:A:VAL:HG21	1:522:A:ILE:HG12	5	1.91
(1,615)	1:501:A:VAL:HG22	1:522:A:ILE:HG12	5	1.91
(1,615)	1:501:A:VAL:HG23	1:522:A:ILE:HG12	5	1.91
(1,615)	1:501:A:VAL:HG21	1:522:A:ILE:HG12	6	1.91
(1,615)	1:501:A:VAL:HG22	1:522:A:ILE:HG12	6	1.91
(1,615)	1:501:A:VAL:HG23	1:522:A:ILE:HG12	6	1.91
(1,605)	1:542:A:LEU:HD21	1:543:A:GLN:HA	1	1.91
(1,605)	1:542:A:LEU:HD22	1:543:A:GLN:HA	1	1.91
(1,605)	1:542:A:LEU:HD23	1:543:A:GLN:HA	1	1.91
(1,259)	1:482:A:ASP:H	1:483:A:VAL:HG11	1	1.91
(1,259)	1:482:A:ASP:H	1:483:A:VAL:HG12	1	1.91
(1,259)	1:482:A:ASP:H	1:483:A:VAL:HG13	1	1.91
(1,84)	1:487:A:GLN:HA	1:563:A:ALA:H	13	1.91
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG2	20	1.9
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG3	20	1.9
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG2	20	1.9
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG3	20	1.9
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB3	1	1.9
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB2	1	1.9
(1,805)	1:491:A:ILE:HD11	1:555:A:MET:HG2	11	1.9
(1,805)	1:491:A:ILE:HD12	1:555:A:MET:HG2	11	1.9
(1,805)	1:491:A:ILE:HD13	1:555:A:MET:HG2	11	1.9
(1,615)	1:501:A:VAL:HG21	1:522:A:ILE:HG12	7	1.9
(1,615)	1:501:A:VAL:HG22	1:522:A:ILE:HG12	7	1.9
(1,615)	1:501:A:VAL:HG23	1:522:A:ILE:HG12	7	1.9
(1,615)	1:501:A:VAL:HG21	1:522:A:ILE:HG12	8	1.9
(1,615)	1:501:A:VAL:HG22	1:522:A:ILE:HG12	8	1.9
(1,615)	1:501:A:VAL:HG23	1:522:A:ILE:HG12	8	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,605)	1:542:A:LEU:HD21	1:543:A:GLN:HA	6	1.9
(1,605)	1:542:A:LEU:HD22	1:543:A:GLN:HA	6	1.9
(1,605)	1:542:A:LEU:HD23	1:543:A:GLN:HA	6	1.9
(1,866)	1:485:A:ASP:HB3	1:537:A:MET:HB2	4	1.89
(1,866)	1:485:A:ASP:HB3	1:537:A:MET:HB2	15	1.89
(1,866)	1:485:A:ASP:HB3	1:537:A:MET:HB2	20	1.89
(1,754)	1:492:A:GLU:HG2	1:556:A:ASN:HB2	20	1.89
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB1	2	1.89
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB2	2	1.89
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB3	2	1.89
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB1	17	1.89
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB2	17	1.89
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB3	17	1.89
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB1	20	1.89
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB2	20	1.89
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB3	20	1.89
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB3	11	1.88
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB2	11	1.88
(1,805)	1:491:A:ILE:HD11	1:555:A:MET:HG2	17	1.88
(1,805)	1:491:A:ILE:HD12	1:555:A:MET:HG2	17	1.88
(1,805)	1:491:A:ILE:HD13	1:555:A:MET:HG2	17	1.88
(1,684)	1:483:A:VAL:HG21	1:538:A:PRO:HD2	12	1.88
(1,684)	1:483:A:VAL:HG22	1:538:A:PRO:HD2	12	1.88
(1,684)	1:483:A:VAL:HG23	1:538:A:PRO:HD2	12	1.88
(1,615)	1:501:A:VAL:HG21	1:522:A:ILE:HG12	3	1.88
(1,615)	1:501:A:VAL:HG22	1:522:A:ILE:HG12	3	1.88
(1,615)	1:501:A:VAL:HG23	1:522:A:ILE:HG12	3	1.88
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB1	6	1.88
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB2	6	1.88
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB3	6	1.88
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB1	12	1.88
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB2	12	1.88
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB3	12	1.88
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	19	1.87
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	19	1.87
(1,615)	1:501:A:VAL:HG21	1:522:A:ILE:HG12	4	1.87
(1,615)	1:501:A:VAL:HG22	1:522:A:ILE:HG12	4	1.87
(1,615)	1:501:A:VAL:HG23	1:522:A:ILE:HG12	4	1.87
(1,615)	1:501:A:VAL:HG21	1:522:A:ILE:HG12	12	1.87
(1,615)	1:501:A:VAL:HG22	1:522:A:ILE:HG12	12	1.87
(1,615)	1:501:A:VAL:HG23	1:522:A:ILE:HG12	12	1.87
(1,615)	1:501:A:VAL:HG21	1:522:A:ILE:HG12	15	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,615)	1:501:A:VAL:HG22	1:522:A:ILE:HG12	15	1.87
(1,615)	1:501:A:VAL:HG23	1:522:A:ILE:HG12	15	1.87
(1,231)	1:538:A:PRO:HB2	1:541:A:VAL:H	1	1.87
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG2	15	1.86
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG3	15	1.86
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG2	15	1.86
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG3	15	1.86
(1,866)	1:485:A:ASP:HB3	1:537:A:MET:HB2	6	1.86
(1,866)	1:485:A:ASP:HB3	1:537:A:MET:HB2	10	1.86
(1,866)	1:485:A:ASP:HB3	1:537:A:MET:HB2	16	1.86
(1,805)	1:491:A:ILE:HD11	1:555:A:MET:HG2	3	1.86
(1,805)	1:491:A:ILE:HD12	1:555:A:MET:HG2	3	1.86
(1,805)	1:491:A:ILE:HD13	1:555:A:MET:HG2	3	1.86
(1,615)	1:501:A:VAL:HG21	1:522:A:ILE:HG12	10	1.86
(1,615)	1:501:A:VAL:HG22	1:522:A:ILE:HG12	10	1.86
(1,615)	1:501:A:VAL:HG23	1:522:A:ILE:HG12	10	1.86
(1,605)	1:542:A:LEU:HD21	1:543:A:GLN:HA	5	1.86
(1,605)	1:542:A:LEU:HD22	1:543:A:GLN:HA	5	1.86
(1,605)	1:542:A:LEU:HD23	1:543:A:GLN:HA	5	1.86
(1,988)	1:492:A:GLU:HG2	1:556:A:ASN:HA	11	1.85
(1,988)	1:492:A:GLU:HG3	1:556:A:ASN:HA	11	1.85
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	3	1.85
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	3	1.85
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	5	1.85
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	5	1.85
(1,866)	1:485:A:ASP:HB3	1:537:A:MET:HB2	9	1.85
(1,805)	1:491:A:ILE:HD11	1:555:A:MET:HG2	1	1.85
(1,805)	1:491:A:ILE:HD12	1:555:A:MET:HG2	1	1.85
(1,805)	1:491:A:ILE:HD13	1:555:A:MET:HG2	1	1.85
(1,805)	1:491:A:ILE:HD11	1:555:A:MET:HG2	6	1.85
(1,805)	1:491:A:ILE:HD12	1:555:A:MET:HG2	6	1.85
(1,805)	1:491:A:ILE:HD13	1:555:A:MET:HG2	6	1.85
(1,615)	1:501:A:VAL:HG21	1:522:A:ILE:HG12	16	1.85
(1,615)	1:501:A:VAL:HG22	1:522:A:ILE:HG12	16	1.85
(1,615)	1:501:A:VAL:HG23	1:522:A:ILE:HG12	16	1.85
(1,605)	1:542:A:LEU:HD21	1:543:A:GLN:HA	19	1.85
(1,605)	1:542:A:LEU:HD22	1:543:A:GLN:HA	19	1.85
(1,605)	1:542:A:LEU:HD23	1:543:A:GLN:HA	19	1.85
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB1	10	1.85
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB2	10	1.85
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB3	10	1.85
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	15	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	15	1.84
(1,866)	1:485:A:ASP:HB3	1:537:A:MET:HB2	7	1.84
(1,866)	1:485:A:ASP:HB3	1:537:A:MET:HB2	13	1.84
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB1	15	1.84
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB2	15	1.84
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB3	15	1.84
(1,1098)	1:534:A:PRO:HB2	1:536:A:GLY:H	18	1.83
(1,1098)	1:534:A:PRO:HB3	1:536:A:GLY:H	18	1.83
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	1	1.83
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	1	1.83
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	2	1.83
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	2	1.83
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	8	1.83
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	8	1.83
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	12	1.83
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	12	1.83
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	14	1.83
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	14	1.83
(1,866)	1:485:A:ASP:HB3	1:537:A:MET:HB2	3	1.83
(1,866)	1:485:A:ASP:HB3	1:537:A:MET:HB2	17	1.83
(1,805)	1:491:A:ILE:HD11	1:555:A:MET:HG2	7	1.83
(1,805)	1:491:A:ILE:HD12	1:555:A:MET:HG2	7	1.83
(1,805)	1:491:A:ILE:HD13	1:555:A:MET:HG2	7	1.83
(1,615)	1:501:A:VAL:HG21	1:522:A:ILE:HG12	2	1.83
(1,615)	1:501:A:VAL:HG22	1:522:A:ILE:HG12	2	1.83
(1,615)	1:501:A:VAL:HG23	1:522:A:ILE:HG12	2	1.83
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	7	1.82
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	7	1.82
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB3	12	1.82
(1,872)	1:535:A:LYS:HG3	1:537:A:MET:HB2	12	1.82
(1,805)	1:491:A:ILE:HD11	1:555:A:MET:HG2	16	1.82
(1,805)	1:491:A:ILE:HD12	1:555:A:MET:HG2	16	1.82
(1,805)	1:491:A:ILE:HD13	1:555:A:MET:HG2	16	1.82
(1,615)	1:501:A:VAL:HG21	1:522:A:ILE:HG12	13	1.82
(1,615)	1:501:A:VAL:HG22	1:522:A:ILE:HG12	13	1.82
(1,615)	1:501:A:VAL:HG23	1:522:A:ILE:HG12	13	1.82
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	16	1.81
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	16	1.81
(1,615)	1:501:A:VAL:HG21	1:522:A:ILE:HG12	9	1.81
(1,615)	1:501:A:VAL:HG22	1:522:A:ILE:HG12	9	1.81
(1,615)	1:501:A:VAL:HG23	1:522:A:ILE:HG12	9	1.81
(1,615)	1:501:A:VAL:HG21	1:522:A:ILE:HG12	11	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,615)	1:501:A:VAL:HG22	1:522:A:ILE:HG12	11	1.81
(1,615)	1:501:A:VAL:HG23	1:522:A:ILE:HG12	11	1.81
(1,605)	1:542:A:LEU:HD21	1:543:A:GLN:HA	16	1.81
(1,605)	1:542:A:LEU:HD22	1:543:A:GLN:HA	16	1.81
(1,605)	1:542:A:LEU:HD23	1:543:A:GLN:HA	16	1.81
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	9	1.8
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	9	1.8
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	10	1.8
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	10	1.8
(1,866)	1:485:A:ASP:HB3	1:537:A:MET:HB2	5	1.8
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB1	4	1.8
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB2	4	1.8
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB3	4	1.8
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB1	19	1.8
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB2	19	1.8
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB3	19	1.8
(1,1098)	1:534:A:PRO:HB2	1:536:A:GLY:H	12	1.79
(1,1098)	1:534:A:PRO:HB3	1:536:A:GLY:H	12	1.79
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	6	1.79
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	6	1.79
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	20	1.79
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	20	1.79
(1,615)	1:501:A:VAL:HG21	1:522:A:ILE:HG12	1	1.79
(1,615)	1:501:A:VAL:HG22	1:522:A:ILE:HG12	1	1.79
(1,615)	1:501:A:VAL:HG23	1:522:A:ILE:HG12	1	1.79
(1,1098)	1:534:A:PRO:HB2	1:536:A:GLY:H	7	1.78
(1,1098)	1:534:A:PRO:HB3	1:536:A:GLY:H	7	1.78
(1,1098)	1:534:A:PRO:HB2	1:536:A:GLY:H	13	1.78
(1,1098)	1:534:A:PRO:HB3	1:536:A:GLY:H	13	1.78
(1,1098)	1:534:A:PRO:HB2	1:536:A:GLY:H	16	1.78
(1,1098)	1:534:A:PRO:HB3	1:536:A:GLY:H	16	1.78
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	4	1.78
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	4	1.78
(1,615)	1:501:A:VAL:HG21	1:522:A:ILE:HG12	20	1.78
(1,615)	1:501:A:VAL:HG22	1:522:A:ILE:HG12	20	1.78
(1,615)	1:501:A:VAL:HG23	1:522:A:ILE:HG12	20	1.78
(1,238)	1:503:A:HIS:H	1:504:A:ILE:HG12	16	1.78
(1,238)	1:503:A:HIS:H	1:504:A:ILE:HG12	17	1.78
(1,238)	1:503:A:HIS:H	1:504:A:ILE:HG12	18	1.78
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB1	7	1.78
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB2	7	1.78
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB3	7	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB1	14	1.78
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB2	14	1.78
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB3	14	1.78
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG2	10	1.77
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG3	10	1.77
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG2	10	1.77
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG3	10	1.77
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG2	17	1.77
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG3	17	1.77
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG2	17	1.77
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG3	17	1.77
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	17	1.77
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	17	1.77
(1,615)	1:501:A:VAL:HG21	1:522:A:ILE:HG12	18	1.77
(1,615)	1:501:A:VAL:HG22	1:522:A:ILE:HG12	18	1.77
(1,615)	1:501:A:VAL:HG23	1:522:A:ILE:HG12	18	1.77
(1,238)	1:503:A:HIS:H	1:504:A:ILE:HG12	2	1.77
(1,238)	1:503:A:HIS:H	1:504:A:ILE:HG12	3	1.77
(1,238)	1:503:A:HIS:H	1:504:A:ILE:HG12	5	1.77
(1,238)	1:503:A:HIS:H	1:504:A:ILE:HG12	7	1.77
(1,238)	1:503:A:HIS:H	1:504:A:ILE:HG12	8	1.77
(1,238)	1:503:A:HIS:H	1:504:A:ILE:HG12	9	1.77
(1,238)	1:503:A:HIS:H	1:504:A:ILE:HG12	10	1.77
(1,238)	1:503:A:HIS:H	1:504:A:ILE:HG12	11	1.77
(1,238)	1:503:A:HIS:H	1:504:A:ILE:HG12	13	1.77
(1,238)	1:503:A:HIS:H	1:504:A:ILE:HG12	15	1.77
(1,238)	1:503:A:HIS:H	1:504:A:ILE:HG12	20	1.77
(1,988)	1:492:A:GLU:HG2	1:556:A:ASN:HA	17	1.76
(1,988)	1:492:A:GLU:HG3	1:556:A:ASN:HA	17	1.76
(1,238)	1:503:A:HIS:H	1:504:A:ILE:HG12	1	1.76
(1,238)	1:503:A:HIS:H	1:504:A:ILE:HG12	4	1.76
(1,238)	1:503:A:HIS:H	1:504:A:ILE:HG12	6	1.76
(1,238)	1:503:A:HIS:H	1:504:A:ILE:HG12	12	1.76
(1,238)	1:503:A:HIS:H	1:504:A:ILE:HG12	14	1.76
(1,238)	1:503:A:HIS:H	1:504:A:ILE:HG12	19	1.76
(1,1098)	1:534:A:PRO:HB2	1:536:A:GLY:H	4	1.75
(1,1098)	1:534:A:PRO:HB3	1:536:A:GLY:H	4	1.75
(1,988)	1:492:A:GLU:HG2	1:556:A:ASN:HA	5	1.75
(1,988)	1:492:A:GLU:HG3	1:556:A:ASN:HA	5	1.75
(1,434)	1:542:A:LEU:HD21	1:546:A:THR:H	12	1.75
(1,434)	1:542:A:LEU:HD22	1:546:A:THR:H	12	1.75
(1,434)	1:542:A:LEU:HD23	1:546:A:THR:H	12	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,355)	1:555:A:MET:HB3	1:557:A:MET:H	16	1.75
(1,1098)	1:534:A:PRO:HB2	1:536:A:GLY:H	1	1.74
(1,1098)	1:534:A:PRO:HB3	1:536:A:GLY:H	1	1.74
(1,1098)	1:534:A:PRO:HB2	1:536:A:GLY:H	3	1.73
(1,1098)	1:534:A:PRO:HB3	1:536:A:GLY:H	3	1.73
(1,1098)	1:534:A:PRO:HB2	1:536:A:GLY:H	15	1.73
(1,1098)	1:534:A:PRO:HB3	1:536:A:GLY:H	15	1.73
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG2	2	1.73
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG3	2	1.73
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG2	2	1.73
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG3	2	1.73
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG2	9	1.73
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG3	9	1.73
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG2	9	1.73
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG3	9	1.73
(1,608)	1:534:A:PRO:HA	1:535:A:LYS:HG3	1	1.73
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB1	3	1.73
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB2	3	1.73
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB3	3	1.73
(1,1098)	1:534:A:PRO:HB2	1:536:A:GLY:H	17	1.72
(1,1098)	1:534:A:PRO:HB3	1:536:A:GLY:H	17	1.72
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG2	13	1.72
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG3	13	1.72
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG2	13	1.72
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG3	13	1.72
(1,805)	1:491:A:ILE:HD11	1:555:A:MET:HG2	15	1.72
(1,805)	1:491:A:ILE:HD12	1:555:A:MET:HG2	15	1.72
(1,805)	1:491:A:ILE:HD13	1:555:A:MET:HG2	15	1.72
(1,1098)	1:534:A:PRO:HB2	1:536:A:GLY:H	20	1.71
(1,1098)	1:534:A:PRO:HB3	1:536:A:GLY:H	20	1.71
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG2	14	1.71
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG3	14	1.71
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG2	14	1.71
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG3	14	1.71
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	18	1.71
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	18	1.71
(1,615)	1:501:A:VAL:HG21	1:522:A:ILE:HG12	17	1.71
(1,615)	1:501:A:VAL:HG22	1:522:A:ILE:HG12	17	1.71
(1,615)	1:501:A:VAL:HG23	1:522:A:ILE:HG12	17	1.71
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	13	1.7
(1,939)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	13	1.7
(1,866)	1:485:A:ASP:HB3	1:537:A:MET:HB2	12	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG21	2	1.7
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG22	2	1.7
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG23	2	1.7
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG21	13	1.7
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG22	13	1.7
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG23	13	1.7
(1,805)	1:491:A:ILE:HD11	1:555:A:MET:HG2	8	1.7
(1,805)	1:491:A:ILE:HD12	1:555:A:MET:HG2	8	1.7
(1,805)	1:491:A:ILE:HD13	1:555:A:MET:HG2	8	1.7
(1,608)	1:534:A:PRO:HA	1:535:A:LYS:HG3	11	1.7
(1,1098)	1:534:A:PRO:HB2	1:536:A:GLY:H	10	1.69
(1,1098)	1:534:A:PRO:HB3	1:536:A:GLY:H	10	1.69
(1,1098)	1:534:A:PRO:HB2	1:536:A:GLY:H	19	1.69
(1,1098)	1:534:A:PRO:HB3	1:536:A:GLY:H	19	1.69
(1,988)	1:492:A:GLU:HG2	1:556:A:ASN:HA	9	1.69
(1,988)	1:492:A:GLU:HG3	1:556:A:ASN:HA	9	1.69
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG2	3	1.69
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG3	3	1.69
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG2	3	1.69
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG3	3	1.69
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG21	3	1.69
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG22	3	1.69
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG23	3	1.69
(1,754)	1:492:A:GLU:HG2	1:556:A:ASN:HB2	19	1.69
(1,608)	1:534:A:PRO:HA	1:535:A:LYS:HG3	14	1.69
(1,1098)	1:534:A:PRO:HB2	1:536:A:GLY:H	6	1.68
(1,1098)	1:534:A:PRO:HB3	1:536:A:GLY:H	6	1.68
(1,1098)	1:534:A:PRO:HB2	1:536:A:GLY:H	9	1.68
(1,1098)	1:534:A:PRO:HB3	1:536:A:GLY:H	9	1.68
(1,1098)	1:534:A:PRO:HB2	1:536:A:GLY:H	14	1.68
(1,1098)	1:534:A:PRO:HB3	1:536:A:GLY:H	14	1.68
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG2	5	1.68
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG3	5	1.68
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG2	5	1.68
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG3	5	1.68
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG21	6	1.68
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG22	6	1.68
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG23	6	1.68
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG21	9	1.68
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG22	9	1.68
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG23	9	1.68
(1,608)	1:534:A:PRO:HA	1:535:A:LYS:HG3	2	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,538)	1:501:A:VAL:HA	1:504:A:ILE:HB	17	1.68
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG21	14	1.67
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG22	14	1.67
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG23	14	1.67
(1,608)	1:534:A:PRO:HA	1:535:A:LYS:HG3	12	1.67
(1,365)	1:542:A:LEU:HD21	1:543:A:GLN:H	17	1.67
(1,365)	1:542:A:LEU:HD22	1:543:A:GLN:H	17	1.67
(1,365)	1:542:A:LEU:HD23	1:543:A:GLN:H	17	1.67
(1,1098)	1:534:A:PRO:HB2	1:536:A:GLY:H	2	1.66
(1,1098)	1:534:A:PRO:HB3	1:536:A:GLY:H	2	1.66
(1,1098)	1:534:A:PRO:HB2	1:536:A:GLY:H	8	1.66
(1,1098)	1:534:A:PRO:HB3	1:536:A:GLY:H	8	1.66
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG2	16	1.66
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG3	16	1.66
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG2	16	1.66
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG3	16	1.66
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG21	7	1.66
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG22	7	1.66
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG23	7	1.66
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG21	8	1.66
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG22	8	1.66
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG23	8	1.66
(1,365)	1:542:A:LEU:HD21	1:543:A:GLN:H	11	1.66
(1,365)	1:542:A:LEU:HD22	1:543:A:GLN:H	11	1.66
(1,365)	1:542:A:LEU:HD23	1:543:A:GLN:H	11	1.66
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB1	13	1.66
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB2	13	1.66
(1,193)	1:487:A:GLN:H	1:563:A:ALA:HB3	13	1.66
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG21	4	1.65
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG22	4	1.65
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG23	4	1.65
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG21	17	1.65
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG22	17	1.65
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG23	17	1.65
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG21	19	1.65
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG22	19	1.65
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG23	19	1.65
(1,608)	1:534:A:PRO:HA	1:535:A:LYS:HG3	5	1.65
(1,608)	1:534:A:PRO:HA	1:535:A:LYS:HG3	8	1.65
(1,365)	1:542:A:LEU:HD21	1:543:A:GLN:H	7	1.65
(1,365)	1:542:A:LEU:HD22	1:543:A:GLN:H	7	1.65
(1,365)	1:542:A:LEU:HD23	1:543:A:GLN:H	7	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,365)	1:542:A:LEU:HD21	1:543:A:GLN:H	20	1.65
(1,365)	1:542:A:LEU:HD22	1:543:A:GLN:H	20	1.65
(1,365)	1:542:A:LEU:HD23	1:543:A:GLN:H	20	1.65
(1,202)	1:549:A:ARG:HA	1:555:A:MET:H	13	1.65
(1,171)	1:562:A:ASP:H	1:563:A:ALA:H	9	1.65
(1,1098)	1:534:A:PRO:HB2	1:536:A:GLY:H	5	1.64
(1,1098)	1:534:A:PRO:HB3	1:536:A:GLY:H	5	1.64
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG21	10	1.64
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG22	10	1.64
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG23	10	1.64
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG21	11	1.64
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG22	11	1.64
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG23	11	1.64
(1,804)	1:491:A:ILE:HD11	1:528:A:HIS:HB3	7	1.64
(1,804)	1:491:A:ILE:HD12	1:528:A:HIS:HB3	7	1.64
(1,804)	1:491:A:ILE:HD13	1:528:A:HIS:HB3	7	1.64
(1,804)	1:491:A:ILE:HD11	1:528:A:HIS:HB3	19	1.64
(1,804)	1:491:A:ILE:HD12	1:528:A:HIS:HB3	19	1.64
(1,804)	1:491:A:ILE:HD13	1:528:A:HIS:HB3	19	1.64
(1,608)	1:534:A:PRO:HA	1:535:A:LYS:HG3	19	1.64
(1,171)	1:562:A:ASP:H	1:563:A:ALA:H	5	1.64
(1,1079)	1:523:A:LYS:HE2	1:524:A:LEU:H	1	1.63
(1,1079)	1:523:A:LYS:HE3	1:524:A:LEU:H	1	1.63
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG2	19	1.63
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG3	19	1.63
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG2	19	1.63
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG3	19	1.63
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG21	5	1.63
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG22	5	1.63
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG23	5	1.63
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG21	18	1.63
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG22	18	1.63
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG23	18	1.63
(1,434)	1:542:A:LEU:HD21	1:546:A:THR:H	2	1.63
(1,434)	1:542:A:LEU:HD22	1:546:A:THR:H	2	1.63
(1,434)	1:542:A:LEU:HD23	1:546:A:THR:H	2	1.63
(1,365)	1:542:A:LEU:HD21	1:543:A:GLN:H	1	1.63
(1,365)	1:542:A:LEU:HD22	1:543:A:GLN:H	1	1.63
(1,365)	1:542:A:LEU:HD23	1:543:A:GLN:H	1	1.63
(1,365)	1:542:A:LEU:HD21	1:543:A:GLN:H	9	1.63
(1,365)	1:542:A:LEU:HD22	1:543:A:GLN:H	9	1.63
(1,365)	1:542:A:LEU:HD23	1:543:A:GLN:H	9	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,365)	1:542:A:LEU:HD21	1:543:A:GLN:H	16	1.63
(1,365)	1:542:A:LEU:HD22	1:543:A:GLN:H	16	1.63
(1,365)	1:542:A:LEU:HD23	1:543:A:GLN:H	16	1.63
(1,202)	1:549:A:ARG:HA	1:555:A:MET:H	12	1.63
(1,171)	1:562:A:ASP:H	1:563:A:ALA:H	17	1.63
(1,171)	1:562:A:ASP:H	1:563:A:ALA:H	18	1.63
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG21	16	1.62
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG22	16	1.62
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG23	16	1.62
(1,608)	1:534:A:PRO:HA	1:535:A:LYS:HG3	10	1.62
(1,538)	1:501:A:VAL:HA	1:504:A:ILE:HB	18	1.62
(1,365)	1:542:A:LEU:HD21	1:543:A:GLN:H	6	1.62
(1,365)	1:542:A:LEU:HD22	1:543:A:GLN:H	6	1.62
(1,365)	1:542:A:LEU:HD23	1:543:A:GLN:H	6	1.62
(1,355)	1:555:A:MET:HB3	1:557:A:MET:H	20	1.62
(1,202)	1:549:A:ARG:HA	1:555:A:MET:H	7	1.62
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG21	12	1.61
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG22	12	1.61
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG23	12	1.61
(1,538)	1:501:A:VAL:HA	1:504:A:ILE:HB	16	1.61
(1,434)	1:542:A:LEU:HD21	1:546:A:THR:H	4	1.61
(1,434)	1:542:A:LEU:HD22	1:546:A:THR:H	4	1.61
(1,434)	1:542:A:LEU:HD23	1:546:A:THR:H	4	1.61
(1,365)	1:542:A:LEU:HD21	1:543:A:GLN:H	5	1.61
(1,365)	1:542:A:LEU:HD22	1:543:A:GLN:H	5	1.61
(1,365)	1:542:A:LEU:HD23	1:543:A:GLN:H	5	1.61
(1,365)	1:542:A:LEU:HD21	1:543:A:GLN:H	10	1.61
(1,365)	1:542:A:LEU:HD22	1:543:A:GLN:H	10	1.61
(1,365)	1:542:A:LEU:HD23	1:543:A:GLN:H	10	1.61
(1,365)	1:542:A:LEU:HD21	1:543:A:GLN:H	19	1.61
(1,365)	1:542:A:LEU:HD22	1:543:A:GLN:H	19	1.61
(1,365)	1:542:A:LEU:HD23	1:543:A:GLN:H	19	1.61
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG11	16	1.61
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG12	16	1.61
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG13	16	1.61
(1,171)	1:562:A:ASP:H	1:563:A:ALA:H	2	1.61
(1,171)	1:562:A:ASP:H	1:563:A:ALA:H	8	1.61
(1,1079)	1:523:A:LYS:HE2	1:524:A:LEU:H	13	1.6
(1,1079)	1:523:A:LYS:HE3	1:524:A:LEU:H	13	1.6
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG21	20	1.6
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG22	20	1.6
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG23	20	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:534:A:PRO:HA	1:535:A:LYS:HG3	6	1.6
(1,608)	1:534:A:PRO:HA	1:535:A:LYS:HG3	7	1.6
(1,608)	1:534:A:PRO:HA	1:535:A:LYS:HG3	15	1.6
(1,608)	1:534:A:PRO:HA	1:535:A:LYS:HG3	20	1.6
(1,538)	1:501:A:VAL:HA	1:504:A:ILE:HB	7	1.6
(1,365)	1:542:A:LEU:HD21	1:543:A:GLN:H	3	1.6
(1,365)	1:542:A:LEU:HD22	1:543:A:GLN:H	3	1.6
(1,365)	1:542:A:LEU:HD23	1:543:A:GLN:H	3	1.6
(1,202)	1:549:A:ARG:HA	1:555:A:MET:H	2	1.6
(1,202)	1:549:A:ARG:HA	1:555:A:MET:H	3	1.6
(1,202)	1:549:A:ARG:HA	1:555:A:MET:H	11	1.6
(1,202)	1:549:A:ARG:HA	1:555:A:MET:H	16	1.6
(1,202)	1:549:A:ARG:HA	1:555:A:MET:H	17	1.6
(1,804)	1:491:A:ILE:HD11	1:528:A:HIS:HB3	3	1.59
(1,804)	1:491:A:ILE:HD12	1:528:A:HIS:HB3	3	1.59
(1,804)	1:491:A:ILE:HD13	1:528:A:HIS:HB3	3	1.59
(1,804)	1:491:A:ILE:HD11	1:528:A:HIS:HB3	18	1.59
(1,804)	1:491:A:ILE:HD12	1:528:A:HIS:HB3	18	1.59
(1,804)	1:491:A:ILE:HD13	1:528:A:HIS:HB3	18	1.59
(1,608)	1:534:A:PRO:HA	1:535:A:LYS:HG3	17	1.59
(1,538)	1:501:A:VAL:HA	1:504:A:ILE:HB	5	1.59
(1,538)	1:501:A:VAL:HA	1:504:A:ILE:HB	13	1.59
(1,355)	1:555:A:MET:HB3	1:557:A:MET:H	15	1.59
(1,168)	1:535:A:LYS:HG3	1:537:A:MET:H	3	1.59
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG21	1	1.58
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG22	1	1.58
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG23	1	1.58
(1,538)	1:501:A:VAL:HA	1:504:A:ILE:HB	15	1.58
(1,538)	1:501:A:VAL:HA	1:504:A:ILE:HB	20	1.58
(1,355)	1:555:A:MET:HB3	1:557:A:MET:H	12	1.58
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG11	17	1.58
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG12	17	1.58
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG13	17	1.58
(1,202)	1:549:A:ARG:HA	1:555:A:MET:H	18	1.58
(1,202)	1:549:A:ARG:HA	1:555:A:MET:H	20	1.58
(1,804)	1:491:A:ILE:HD11	1:528:A:HIS:HB3	6	1.57
(1,804)	1:491:A:ILE:HD12	1:528:A:HIS:HB3	6	1.57
(1,804)	1:491:A:ILE:HD13	1:528:A:HIS:HB3	6	1.57
(1,538)	1:501:A:VAL:HA	1:504:A:ILE:HB	2	1.57
(1,538)	1:501:A:VAL:HA	1:504:A:ILE:HB	4	1.57
(1,538)	1:501:A:VAL:HA	1:504:A:ILE:HB	8	1.57
(1,538)	1:501:A:VAL:HA	1:504:A:ILE:HB	11	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,538)	1:501:A:VAL:HA	1:504:A:ILE:HB	19	1.57
(1,502)	1:531:A:ILE:H	1:531:A:ILE:HG12	17	1.57
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG11	3	1.57
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG12	3	1.57
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG13	3	1.57
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG11	5	1.57
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG12	5	1.57
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG13	5	1.57
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG11	6	1.57
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG12	6	1.57
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG13	6	1.57
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG11	7	1.57
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG12	7	1.57
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG13	7	1.57
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG11	8	1.57
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG12	8	1.57
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG13	8	1.57
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG11	15	1.57
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG12	15	1.57
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG13	15	1.57
(1,171)	1:562:A:ASP:H	1:563:A:ALA:H	1	1.57
(1,171)	1:562:A:ASP:H	1:563:A:ALA:H	6	1.57
(1,398)	1:555:A:MET:HG2	1:556:A:ASN:H	20	1.56
(1,355)	1:555:A:MET:HB3	1:557:A:MET:H	4	1.56
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG11	2	1.56
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG12	2	1.56
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG13	2	1.56
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG11	4	1.56
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG12	4	1.56
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG13	4	1.56
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG11	10	1.56
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG12	10	1.56
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG13	10	1.56
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG11	14	1.56
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG12	14	1.56
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG13	14	1.56
(1,202)	1:549:A:ARG:HA	1:555:A:MET:H	6	1.56
(1,202)	1:549:A:ARG:HA	1:555:A:MET:H	19	1.56
(1,171)	1:562:A:ASP:H	1:563:A:ALA:H	16	1.56
(1,171)	1:562:A:ASP:H	1:563:A:ALA:H	20	1.56
(1,1079)	1:523:A:LYS:HE2	1:524:A:LEU:H	20	1.55
(1,1079)	1:523:A:LYS:HE3	1:524:A:LEU:H	20	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,866)	1:485:A:ASP:HB3	1:537:A:MET:HB2	18	1.55
(1,538)	1:501:A:VAL:HA	1:504:A:ILE:HB	3	1.55
(1,538)	1:501:A:VAL:HA	1:504:A:ILE:HB	6	1.55
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG11	20	1.55
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG12	20	1.55
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG13	20	1.55
(1,171)	1:562:A:ASP:H	1:563:A:ALA:H	10	1.55
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG2	1	1.54
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG3	1	1.54
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG2	11	1.54
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG3	11	1.54
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG2	12	1.54
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG3	12	1.54
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG21	15	1.54
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG22	15	1.54
(1,862)	1:549:A:ARG:HB2	1:550:A:ILE:HG23	15	1.54
(1,804)	1:491:A:ILE:HD11	1:528:A:HIS:HB3	8	1.54
(1,804)	1:491:A:ILE:HD12	1:528:A:HIS:HB3	8	1.54
(1,804)	1:491:A:ILE:HD13	1:528:A:HIS:HB3	8	1.54
(1,538)	1:501:A:VAL:HA	1:504:A:ILE:HB	9	1.54
(1,538)	1:501:A:VAL:HA	1:504:A:ILE:HB	12	1.54
(1,502)	1:531:A:ILE:H	1:531:A:ILE:HG12	15	1.54
(1,398)	1:555:A:MET:HG2	1:556:A:ASN:H	4	1.54
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG11	13	1.54
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG12	13	1.54
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG13	13	1.54
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG11	18	1.54
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG12	18	1.54
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG13	18	1.54
(1,202)	1:549:A:ARG:HA	1:555:A:MET:H	8	1.54
(1,202)	1:549:A:ARG:HA	1:555:A:MET:H	10	1.54
(1,202)	1:549:A:ARG:HA	1:555:A:MET:H	15	1.54
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG2	16	1.53
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG3	16	1.53
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG2	18	1.53
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG3	18	1.53
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG2	19	1.53
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG3	19	1.53
(1,1079)	1:523:A:LYS:HE2	1:524:A:LEU:H	8	1.53
(1,1079)	1:523:A:LYS:HE3	1:524:A:LEU:H	8	1.53
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG2	4	1.53
(1,973)	1:490:A:ARG:HD2	1:557:A:MET:HG3	4	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG2	4	1.53
(1,973)	1:490:A:ARG:HD3	1:557:A:MET:HG3	4	1.53
(1,502)	1:531:A:ILE:H	1:531:A:ILE:HG12	5	1.53
(1,502)	1:531:A:ILE:H	1:531:A:ILE:HG12	20	1.53
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG11	19	1.53
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG12	19	1.53
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG13	19	1.53
(1,202)	1:549:A:ARG:HA	1:555:A:MET:H	1	1.53
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG2	2	1.52
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG3	2	1.52
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG2	8	1.52
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG3	8	1.52
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG2	9	1.52
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG3	9	1.52
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG2	13	1.52
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG3	13	1.52
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG2	20	1.52
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG3	20	1.52
(1,538)	1:501:A:VAL:HA	1:504:A:ILE:HB	1	1.52
(1,538)	1:501:A:VAL:HA	1:504:A:ILE:HB	10	1.52
(1,502)	1:531:A:ILE:H	1:531:A:ILE:HG12	6	1.52
(1,502)	1:531:A:ILE:H	1:531:A:ILE:HG12	8	1.52
(1,502)	1:531:A:ILE:H	1:531:A:ILE:HG12	9	1.52
(1,502)	1:531:A:ILE:H	1:531:A:ILE:HG12	11	1.52
(1,502)	1:531:A:ILE:H	1:531:A:ILE:HG12	14	1.52
(1,502)	1:531:A:ILE:H	1:531:A:ILE:HG12	16	1.52
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG2	3	1.51
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG3	3	1.51
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG2	4	1.51
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG3	4	1.51
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG2	5	1.51
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG3	5	1.51
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG2	6	1.51
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG3	6	1.51
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG2	7	1.51
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG3	7	1.51
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG2	10	1.51
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG3	10	1.51
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG2	14	1.51
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG3	14	1.51
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG2	15	1.51
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG3	15	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,502)	1:531:A:ILE:H	1:531:A:ILE:HG12	2	1.51
(1,502)	1:531:A:ILE:H	1:531:A:ILE:HG12	10	1.51
(1,502)	1:531:A:ILE:H	1:531:A:ILE:HG12	12	1.51
(1,434)	1:542:A:LEU:HD21	1:546:A:THR:H	13	1.51
(1,434)	1:542:A:LEU:HD22	1:546:A:THR:H	13	1.51
(1,434)	1:542:A:LEU:HD23	1:546:A:THR:H	13	1.51
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG11	11	1.51
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG12	11	1.51
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG13	11	1.51
(1,202)	1:549:A:ARG:HA	1:555:A:MET:H	14	1.51
(1,168)	1:535:A:LYS:HG3	1:537:A:MET:H	18	1.51
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD11	14	1.5
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD12	14	1.5
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD13	14	1.5
(1,804)	1:491:A:ILE:HD11	1:528:A:HIS:HB3	9	1.5
(1,804)	1:491:A:ILE:HD12	1:528:A:HIS:HB3	9	1.5
(1,804)	1:491:A:ILE:HD13	1:528:A:HIS:HB3	9	1.5
(1,502)	1:531:A:ILE:H	1:531:A:ILE:HG12	4	1.5
(1,502)	1:531:A:ILE:H	1:531:A:ILE:HG12	13	1.5
(1,502)	1:531:A:ILE:H	1:531:A:ILE:HG12	19	1.5
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG11	9	1.5
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG12	9	1.5
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG13	9	1.5
(1,202)	1:549:A:ARG:HA	1:555:A:MET:H	9	1.5
(1,804)	1:491:A:ILE:HD11	1:528:A:HIS:HB3	16	1.49
(1,804)	1:491:A:ILE:HD12	1:528:A:HIS:HB3	16	1.49
(1,804)	1:491:A:ILE:HD13	1:528:A:HIS:HB3	16	1.49
(1,804)	1:491:A:ILE:HD11	1:528:A:HIS:HB3	17	1.49
(1,804)	1:491:A:ILE:HD12	1:528:A:HIS:HB3	17	1.49
(1,804)	1:491:A:ILE:HD13	1:528:A:HIS:HB3	17	1.49
(1,538)	1:501:A:VAL:HA	1:504:A:ILE:HB	14	1.49
(1,502)	1:531:A:ILE:H	1:531:A:ILE:HG12	3	1.49
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG11	1	1.49
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG12	1	1.49
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG13	1	1.49
(1,202)	1:549:A:ARG:HA	1:555:A:MET:H	4	1.49
(1,168)	1:535:A:LYS:HG3	1:537:A:MET:H	9	1.49
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG2	17	1.48
(1,1103)	1:538:A:PRO:HB3	1:540:A:GLU:HG3	17	1.48
(1,832)	1:490:A:ARG:HB2	1:557:A:MET:HB3	9	1.48
(1,804)	1:491:A:ILE:HD11	1:528:A:HIS:HB3	13	1.48
(1,804)	1:491:A:ILE:HD12	1:528:A:HIS:HB3	13	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,804)	1:491:A:ILE:HD13	1:528:A:HIS:HB3	13	1.48
(1,398)	1:555:A:MET:HG2	1:556:A:ASN:H	5	1.48
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD21	12	1.47
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD22	12	1.47
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD23	12	1.47
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD21	12	1.47
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD22	12	1.47
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD23	12	1.47
(1,1079)	1:523:A:LYS:HE2	1:524:A:LEU:H	4	1.47
(1,1079)	1:523:A:LYS:HE3	1:524:A:LEU:H	4	1.47
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD11	10	1.47
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD12	10	1.47
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD13	10	1.47
(1,502)	1:531:A:ILE:H	1:531:A:ILE:HG12	1	1.47
(1,502)	1:531:A:ILE:H	1:531:A:ILE:HG12	18	1.47
(1,398)	1:555:A:MET:HG2	1:556:A:ASN:H	9	1.47
(1,398)	1:555:A:MET:HG2	1:556:A:ASN:H	10	1.47
(1,398)	1:555:A:MET:HG2	1:556:A:ASN:H	12	1.47
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG11	12	1.47
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG12	12	1.47
(1,258)	1:540:A:GLU:H	1:541:A:VAL:HG13	12	1.47
(1,168)	1:535:A:LYS:HG3	1:537:A:MET:H	4	1.47
(1,1079)	1:523:A:LYS:HE2	1:524:A:LEU:H	16	1.46
(1,1079)	1:523:A:LYS:HE3	1:524:A:LEU:H	16	1.46
(1,804)	1:491:A:ILE:HD11	1:528:A:HIS:HB3	5	1.46
(1,804)	1:491:A:ILE:HD12	1:528:A:HIS:HB3	5	1.46
(1,804)	1:491:A:ILE:HD13	1:528:A:HIS:HB3	5	1.46
(1,202)	1:549:A:ARG:HA	1:555:A:MET:H	5	1.46
(1,168)	1:535:A:LYS:HG3	1:537:A:MET:H	16	1.46
(1,832)	1:490:A:ARG:HB2	1:557:A:MET:HB3	4	1.45
(1,832)	1:490:A:ARG:HB2	1:557:A:MET:HB3	18	1.45
(1,804)	1:491:A:ILE:HD11	1:528:A:HIS:HB3	11	1.45
(1,804)	1:491:A:ILE:HD12	1:528:A:HIS:HB3	11	1.45
(1,804)	1:491:A:ILE:HD13	1:528:A:HIS:HB3	11	1.45
(1,804)	1:491:A:ILE:HD11	1:528:A:HIS:HB3	12	1.45
(1,804)	1:491:A:ILE:HD12	1:528:A:HIS:HB3	12	1.45
(1,804)	1:491:A:ILE:HD13	1:528:A:HIS:HB3	12	1.45
(1,1079)	1:523:A:LYS:HE2	1:524:A:LEU:H	2	1.44
(1,1079)	1:523:A:LYS:HE3	1:524:A:LEU:H	2	1.44
(1,502)	1:531:A:ILE:H	1:531:A:ILE:HG12	7	1.44
(1,434)	1:542:A:LEU:HD21	1:546:A:THR:H	15	1.44
(1,434)	1:542:A:LEU:HD22	1:546:A:THR:H	15	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,434)	1:542:A:LEU:HD23	1:546:A:THR:H	15	1.44
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD11	1	1.43
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD12	1	1.43
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD13	1	1.43
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD11	3	1.43
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD12	3	1.43
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD13	3	1.43
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD11	6	1.43
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD12	6	1.43
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD13	6	1.43
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD11	8	1.43
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD12	8	1.43
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD13	8	1.43
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD11	9	1.43
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD12	9	1.43
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD13	9	1.43
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD11	12	1.43
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD12	12	1.43
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD13	12	1.43
(1,832)	1:490:A:ARG:HB2	1:557:A:MET:HB3	13	1.43
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB1	11	1.43
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB2	11	1.43
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB3	11	1.43
(1,177)	1:487:A:GLN:H	1:534:A:PRO:HA	18	1.43
(1,168)	1:535:A:LYS:HG3	1:537:A:MET:H	13	1.43
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD21	18	1.42
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD22	18	1.42
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD23	18	1.42
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD21	18	1.42
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD22	18	1.42
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD23	18	1.42
(1,1079)	1:523:A:LYS:HE2	1:524:A:LEU:H	10	1.42
(1,1079)	1:523:A:LYS:HE3	1:524:A:LEU:H	10	1.42
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD11	2	1.42
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD12	2	1.42
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD13	2	1.42
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD11	4	1.42
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD12	4	1.42
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD13	4	1.42
(1,398)	1:555:A:MET:HG2	1:556:A:ASN:H	2	1.42
(1,286)	1:483:A:VAL:H	1:483:A:VAL:HG11	1	1.42
(1,286)	1:483:A:VAL:H	1:483:A:VAL:HG12	1	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,286)	1:483:A:VAL:H	1:483:A:VAL:HG13	1	1.42
(1,108)	1:488:A:LEU:HA	1:533:A:LEU:H	5	1.42
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD11	11	1.41
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD12	11	1.41
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD13	11	1.41
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD11	13	1.41
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD12	13	1.41
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD13	13	1.41
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD11	20	1.41
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD12	20	1.41
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD13	20	1.41
(1,804)	1:491:A:ILE:HD11	1:528:A:HIS:HB3	1	1.41
(1,804)	1:491:A:ILE:HD12	1:528:A:HIS:HB3	1	1.41
(1,804)	1:491:A:ILE:HD13	1:528:A:HIS:HB3	1	1.41
(1,168)	1:535:A:LYS:HG3	1:537:A:MET:H	19	1.41
(1,76)	1:487:A:GLN:H	1:563:A:ALA:H	1	1.41
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD11	7	1.4
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD12	7	1.4
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD13	7	1.4
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD11	15	1.4
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD12	15	1.4
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD13	15	1.4
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD11	19	1.4
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD12	19	1.4
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD13	19	1.4
(1,832)	1:490:A:ARG:HB2	1:557:A:MET:HB3	19	1.4
(1,594)	1:531:A:ILE:HD11	1:533:A:LEU:HB3	11	1.4
(1,594)	1:531:A:ILE:HD12	1:533:A:LEU:HB3	11	1.4
(1,594)	1:531:A:ILE:HD13	1:533:A:LEU:HB3	11	1.4
(1,398)	1:555:A:MET:HG2	1:556:A:ASN:H	3	1.4
(1,171)	1:562:A:ASP:H	1:563:A:ALA:H	11	1.4
(1,168)	1:535:A:LYS:HG3	1:537:A:MET:H	12	1.4
(1,108)	1:488:A:LEU:HA	1:533:A:LEU:H	17	1.4
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD11	5	1.39
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD12	5	1.39
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD13	5	1.39
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD11	16	1.39
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD12	16	1.39
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD13	16	1.39
(1,832)	1:490:A:ARG:HB2	1:557:A:MET:HB3	5	1.39
(1,804)	1:491:A:ILE:HD11	1:528:A:HIS:HB3	2	1.39
(1,804)	1:491:A:ILE:HD12	1:528:A:HIS:HB3	2	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,804)	1:491:A:ILE:HD13	1:528:A:HIS:HB3	2	1.39
(1,398)	1:555:A:MET:HG2	1:556:A:ASN:H	16	1.39
(1,168)	1:535:A:LYS:HG3	1:537:A:MET:H	6	1.39
(1,168)	1:535:A:LYS:HG3	1:537:A:MET:H	15	1.39
(1,108)	1:488:A:LEU:HA	1:533:A:LEU:H	9	1.39
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD11	18	1.38
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD12	18	1.38
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD13	18	1.38
(1,832)	1:490:A:ARG:HB2	1:557:A:MET:HB3	10	1.38
(1,832)	1:490:A:ARG:HB2	1:557:A:MET:HB3	14	1.38
(1,804)	1:491:A:ILE:HD11	1:528:A:HIS:HB3	4	1.38
(1,804)	1:491:A:ILE:HD12	1:528:A:HIS:HB3	4	1.38
(1,804)	1:491:A:ILE:HD13	1:528:A:HIS:HB3	4	1.38
(1,580)	1:536:A:GLY:HA3	1:538:A:PRO:HD2	12	1.38
(1,434)	1:542:A:LEU:HD21	1:546:A:THR:H	14	1.38
(1,434)	1:542:A:LEU:HD22	1:546:A:THR:H	14	1.38
(1,434)	1:542:A:LEU:HD23	1:546:A:THR:H	14	1.38
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG21	14	1.38
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG22	14	1.38
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG23	14	1.38
(1,355)	1:555:A:MET:HB3	1:557:A:MET:H	5	1.38
(1,355)	1:555:A:MET:HB3	1:557:A:MET:H	18	1.38
(1,1079)	1:523:A:LYS:HE2	1:524:A:LEU:H	5	1.37
(1,1079)	1:523:A:LYS:HE3	1:524:A:LEU:H	5	1.37
(1,832)	1:490:A:ARG:HB2	1:557:A:MET:HB3	2	1.37
(1,832)	1:490:A:ARG:HB2	1:557:A:MET:HB3	17	1.37
(1,804)	1:491:A:ILE:HD11	1:528:A:HIS:HB3	20	1.37
(1,804)	1:491:A:ILE:HD12	1:528:A:HIS:HB3	20	1.37
(1,804)	1:491:A:ILE:HD13	1:528:A:HIS:HB3	20	1.37
(1,754)	1:492:A:GLU:HG2	1:556:A:ASN:HB2	11	1.37
(1,580)	1:536:A:GLY:HA3	1:538:A:PRO:HD2	5	1.37
(1,398)	1:555:A:MET:HG2	1:556:A:ASN:H	6	1.37
(1,168)	1:535:A:LYS:HG3	1:537:A:MET:H	20	1.37
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD21	11	1.36
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD22	11	1.36
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD23	11	1.36
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD21	11	1.36
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD22	11	1.36
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD23	11	1.36
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD21	15	1.36
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD22	15	1.36
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD23	15	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD21	15	1.36
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD22	15	1.36
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD23	15	1.36
(1,988)	1:492:A:GLU:HG2	1:556:A:ASN:HA	4	1.36
(1,988)	1:492:A:GLU:HG3	1:556:A:ASN:HA	4	1.36
(1,832)	1:490:A:ARG:HB2	1:557:A:MET:HB3	7	1.36
(1,832)	1:490:A:ARG:HB2	1:557:A:MET:HB3	11	1.36
(1,804)	1:491:A:ILE:HD11	1:528:A:HIS:HB3	15	1.36
(1,804)	1:491:A:ILE:HD12	1:528:A:HIS:HB3	15	1.36
(1,804)	1:491:A:ILE:HD13	1:528:A:HIS:HB3	15	1.36
(1,608)	1:534:A:PRO:HA	1:535:A:LYS:HG3	13	1.36
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG21	7	1.36
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG22	7	1.36
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG23	7	1.36
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG21	8	1.36
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG22	8	1.36
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG23	8	1.36
(1,355)	1:555:A:MET:HB3	1:557:A:MET:H	6	1.36
(1,168)	1:535:A:LYS:HG3	1:537:A:MET:H	10	1.36
(1,108)	1:488:A:LEU:HA	1:533:A:LEU:H	2	1.36
(1,76)	1:487:A:GLN:H	1:563:A:ALA:H	8	1.36
(1,1079)	1:523:A:LYS:HE2	1:524:A:LEU:H	18	1.35
(1,1079)	1:523:A:LYS:HE3	1:524:A:LEU:H	18	1.35
(1,580)	1:536:A:GLY:HA3	1:538:A:PRO:HD2	2	1.35
(1,580)	1:536:A:GLY:HA3	1:538:A:PRO:HD2	4	1.35
(1,580)	1:536:A:GLY:HA3	1:538:A:PRO:HD2	13	1.35
(1,580)	1:536:A:GLY:HA3	1:538:A:PRO:HD2	14	1.35
(1,580)	1:536:A:GLY:HA3	1:538:A:PRO:HD2	16	1.35
(1,580)	1:536:A:GLY:HA3	1:538:A:PRO:HD2	20	1.35
(1,398)	1:555:A:MET:HG2	1:556:A:ASN:H	17	1.35
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG21	17	1.35
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG22	17	1.35
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG23	17	1.35
(1,304)	1:538:A:PRO:HB2	1:542:A:LEU:H	17	1.35
(1,897)	1:530:A:THR:HA	1:531:A:ILE:HG12	17	1.34
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD11	17	1.34
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD12	17	1.34
(1,842)	1:499:A:VAL:HB	1:504:A:ILE:HD13	17	1.34
(1,594)	1:531:A:ILE:HD11	1:533:A:LEU:HB3	14	1.34
(1,594)	1:531:A:ILE:HD12	1:533:A:LEU:HB3	14	1.34
(1,594)	1:531:A:ILE:HD13	1:533:A:LEU:HB3	14	1.34
(1,580)	1:536:A:GLY:HA3	1:538:A:PRO:HD2	6	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,580)	1:536:A:GLY:HA3	1:538:A:PRO:HD2	9	1.34
(1,580)	1:536:A:GLY:HA3	1:538:A:PRO:HD2	10	1.34
(1,580)	1:536:A:GLY:HA3	1:538:A:PRO:HD2	15	1.34
(1,580)	1:536:A:GLY:HA3	1:538:A:PRO:HD2	17	1.34
(1,168)	1:535:A:LYS:HG3	1:537:A:MET:H	17	1.34
(1,897)	1:530:A:THR:HA	1:531:A:ILE:HG12	5	1.33
(1,897)	1:530:A:THR:HA	1:531:A:ILE:HG12	13	1.33
(1,897)	1:530:A:THR:HA	1:531:A:ILE:HG12	15	1.33
(1,594)	1:531:A:ILE:HD11	1:533:A:LEU:HB3	17	1.33
(1,594)	1:531:A:ILE:HD12	1:533:A:LEU:HB3	17	1.33
(1,594)	1:531:A:ILE:HD13	1:533:A:LEU:HB3	17	1.33
(1,580)	1:536:A:GLY:HA3	1:538:A:PRO:HD2	1	1.33
(1,580)	1:536:A:GLY:HA3	1:538:A:PRO:HD2	3	1.33
(1,580)	1:536:A:GLY:HA3	1:538:A:PRO:HD2	7	1.33
(1,580)	1:536:A:GLY:HA3	1:538:A:PRO:HD2	8	1.33
(1,580)	1:536:A:GLY:HA3	1:538:A:PRO:HD2	19	1.33
(1,171)	1:562:A:ASP:H	1:563:A:ALA:H	12	1.33
(1,171)	1:562:A:ASP:H	1:563:A:ALA:H	14	1.33
(1,168)	1:535:A:LYS:HG3	1:537:A:MET:H	8	1.33
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD21	1	1.32
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD22	1	1.32
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD23	1	1.32
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD21	1	1.32
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD22	1	1.32
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD23	1	1.32
(1,897)	1:530:A:THR:HA	1:531:A:ILE:HG12	2	1.32
(1,897)	1:530:A:THR:HA	1:531:A:ILE:HG12	4	1.32
(1,897)	1:530:A:THR:HA	1:531:A:ILE:HG12	6	1.32
(1,897)	1:530:A:THR:HA	1:531:A:ILE:HG12	8	1.32
(1,897)	1:530:A:THR:HA	1:531:A:ILE:HG12	9	1.32
(1,897)	1:530:A:THR:HA	1:531:A:ILE:HG12	12	1.32
(1,897)	1:530:A:THR:HA	1:531:A:ILE:HG12	14	1.32
(1,897)	1:530:A:THR:HA	1:531:A:ILE:HG12	20	1.32
(1,608)	1:534:A:PRO:HA	1:535:A:LYS:HG3	4	1.32
(1,398)	1:555:A:MET:HG2	1:556:A:ASN:H	11	1.32
(1,365)	1:542:A:LEU:HD21	1:543:A:GLN:H	14	1.32
(1,365)	1:542:A:LEU:HD22	1:543:A:GLN:H	14	1.32
(1,365)	1:542:A:LEU:HD23	1:543:A:GLN:H	14	1.32
(1,355)	1:555:A:MET:HB3	1:557:A:MET:H	9	1.32
(1,168)	1:535:A:LYS:HG3	1:537:A:MET:H	1	1.32
(1,108)	1:488:A:LEU:HA	1:533:A:LEU:H	4	1.32
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD21	7	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD22	7	1.31
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD23	7	1.31
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD21	7	1.31
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD22	7	1.31
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD23	7	1.31
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD21	19	1.31
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD22	19	1.31
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD23	19	1.31
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD21	19	1.31
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD22	19	1.31
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD23	19	1.31
(1,897)	1:530:A:THR:HA	1:531:A:ILE:HG12	3	1.31
(1,897)	1:530:A:THR:HA	1:531:A:ILE:HG12	7	1.31
(1,897)	1:530:A:THR:HA	1:531:A:ILE:HG12	10	1.31
(1,897)	1:530:A:THR:HA	1:531:A:ILE:HG12	11	1.31
(1,897)	1:530:A:THR:HA	1:531:A:ILE:HG12	16	1.31
(1,897)	1:530:A:THR:HA	1:531:A:ILE:HG12	19	1.31
(1,832)	1:490:A:ARG:HB2	1:557:A:MET:HB3	3	1.31
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD11	18	1.31
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD12	18	1.31
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD13	18	1.31
(1,608)	1:534:A:PRO:HA	1:535:A:LYS:HG3	18	1.31
(1,580)	1:536:A:GLY:HA3	1:538:A:PRO:HD2	11	1.31
(1,580)	1:536:A:GLY:HA3	1:538:A:PRO:HD2	18	1.31
(1,171)	1:562:A:ASP:H	1:563:A:ALA:H	3	1.31
(1,168)	1:535:A:LYS:HG3	1:537:A:MET:H	2	1.31
(1,897)	1:530:A:THR:HA	1:531:A:ILE:HG12	1	1.3
(1,108)	1:488:A:LEU:HA	1:533:A:LEU:H	15	1.3
(1,76)	1:487:A:GLN:H	1:563:A:ALA:H	2	1.3
(1,76)	1:487:A:GLN:H	1:563:A:ALA:H	17	1.3
(1,76)	1:487:A:GLN:H	1:563:A:ALA:H	20	1.3
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG2	4	1.29
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG3	4	1.29
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD11	3	1.29
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD12	3	1.29
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD13	3	1.29
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD11	13	1.29
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD12	13	1.29
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD13	13	1.29
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD11	17	1.29
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD12	17	1.29
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD13	17	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:531:A:ILE:HD11	1:533:A:LEU:HB3	5	1.29
(1,594)	1:531:A:ILE:HD12	1:533:A:LEU:HB3	5	1.29
(1,594)	1:531:A:ILE:HD13	1:533:A:LEU:HB3	5	1.29
(1,594)	1:531:A:ILE:HD11	1:533:A:LEU:HB3	8	1.29
(1,594)	1:531:A:ILE:HD12	1:533:A:LEU:HB3	8	1.29
(1,594)	1:531:A:ILE:HD13	1:533:A:LEU:HB3	8	1.29
(1,594)	1:531:A:ILE:HD11	1:533:A:LEU:HB3	9	1.29
(1,594)	1:531:A:ILE:HD12	1:533:A:LEU:HB3	9	1.29
(1,594)	1:531:A:ILE:HD13	1:533:A:LEU:HB3	9	1.29
(1,594)	1:531:A:ILE:HD11	1:533:A:LEU:HB3	12	1.29
(1,594)	1:531:A:ILE:HD12	1:533:A:LEU:HB3	12	1.29
(1,594)	1:531:A:ILE:HD13	1:533:A:LEU:HB3	12	1.29
(1,594)	1:531:A:ILE:HD11	1:533:A:LEU:HB3	16	1.29
(1,594)	1:531:A:ILE:HD12	1:533:A:LEU:HB3	16	1.29
(1,594)	1:531:A:ILE:HD13	1:533:A:LEU:HB3	16	1.29
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG21	5	1.29
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG22	5	1.29
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG23	5	1.29
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG21	16	1.29
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG22	16	1.29
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG23	16	1.29
(1,355)	1:555:A:MET:HB3	1:557:A:MET:H	1	1.29
(1,108)	1:488:A:LEU:HA	1:533:A:LEU:H	8	1.29
(1,108)	1:488:A:LEU:HA	1:533:A:LEU:H	19	1.29
(1,897)	1:530:A:THR:HA	1:531:A:ILE:HG12	18	1.28
(1,832)	1:490:A:ARG:HB2	1:557:A:MET:HB3	8	1.28
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD11	2	1.28
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD12	2	1.28
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD13	2	1.28
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD11	9	1.28
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD12	9	1.28
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD13	9	1.28
(1,594)	1:531:A:ILE:HD11	1:533:A:LEU:HB3	6	1.28
(1,594)	1:531:A:ILE:HD12	1:533:A:LEU:HB3	6	1.28
(1,594)	1:531:A:ILE:HD13	1:533:A:LEU:HB3	6	1.28
(1,594)	1:531:A:ILE:HD11	1:533:A:LEU:HB3	18	1.28
(1,594)	1:531:A:ILE:HD12	1:533:A:LEU:HB3	18	1.28
(1,594)	1:531:A:ILE:HD13	1:533:A:LEU:HB3	18	1.28
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG21	3	1.28
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG22	3	1.28
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG23	3	1.28
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG21	6	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG22	6	1.28
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG23	6	1.28
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG21	9	1.28
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG22	9	1.28
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG23	9	1.28
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG21	10	1.28
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG22	10	1.28
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG23	10	1.28
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG21	11	1.28
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG22	11	1.28
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG23	11	1.28
(1,168)	1:535:A:LYS:HG3	1:537:A:MET:H	7	1.28
(1,168)	1:535:A:LYS:HG3	1:537:A:MET:H	11	1.28
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG11	17	1.27
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG12	17	1.27
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG13	17	1.27
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG11	17	1.27
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG12	17	1.27
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG13	17	1.27
(1,832)	1:490:A:ARG:HB2	1:557:A:MET:HB3	20	1.27
(1,804)	1:491:A:ILE:HD11	1:528:A:HIS:HB3	10	1.27
(1,804)	1:491:A:ILE:HD12	1:528:A:HIS:HB3	10	1.27
(1,804)	1:491:A:ILE:HD13	1:528:A:HIS:HB3	10	1.27
(1,608)	1:534:A:PRO:HA	1:535:A:LYS:HG3	16	1.27
(1,365)	1:542:A:LEU:HD21	1:543:A:GLN:H	2	1.27
(1,365)	1:542:A:LEU:HD22	1:543:A:GLN:H	2	1.27
(1,365)	1:542:A:LEU:HD23	1:543:A:GLN:H	2	1.27
(1,171)	1:562:A:ASP:H	1:563:A:ALA:H	15	1.27
(1,168)	1:535:A:LYS:HG3	1:537:A:MET:H	14	1.27
(1,119)	1:485:A:ASP:HB3	1:535:A:LYS:H	11	1.27
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG2	15	1.26
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG3	15	1.26
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD11	5	1.26
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD12	5	1.26
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD13	5	1.26
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD11	8	1.26
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD12	8	1.26
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD13	8	1.26
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD11	14	1.26
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD12	14	1.26
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD13	14	1.26
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD11	16	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD12	16	1.26
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD13	16	1.26
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD11	19	1.26
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD12	19	1.26
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD13	19	1.26
(1,754)	1:492:A:GLU:HG2	1:556:A:ASN:HB2	17	1.26
(1,608)	1:534:A:PRO:HA	1:535:A:LYS:HG3	9	1.26
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG21	20	1.26
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG22	20	1.26
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG23	20	1.26
(1,171)	1:562:A:ASP:H	1:563:A:ALA:H	4	1.26
(1,171)	1:562:A:ASP:H	1:563:A:ALA:H	19	1.26
(1,108)	1:488:A:LEU:HA	1:533:A:LEU:H	3	1.26
(1,108)	1:488:A:LEU:HA	1:533:A:LEU:H	12	1.26
(1,76)	1:487:A:GLN:H	1:563:A:ALA:H	11	1.26
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG11	5	1.25
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG12	5	1.25
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG13	5	1.25
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG11	5	1.25
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG12	5	1.25
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG13	5	1.25
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD11	18	1.25
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD12	18	1.25
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD13	18	1.25
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD21	18	1.25
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD22	18	1.25
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD23	18	1.25
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG2	11	1.25
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG3	11	1.25
(1,924)	1:539:A:GLY:HA3	1:542:A:LEU:HB3	15	1.25
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD11	4	1.25
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD12	4	1.25
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD13	4	1.25
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG21	17	1.25
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG22	17	1.25
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG23	17	1.25
(1,594)	1:531:A:ILE:HD11	1:533:A:LEU:HB3	1	1.25
(1,594)	1:531:A:ILE:HD12	1:533:A:LEU:HB3	1	1.25
(1,594)	1:531:A:ILE:HD13	1:533:A:LEU:HB3	1	1.25
(1,594)	1:531:A:ILE:HD11	1:533:A:LEU:HB3	10	1.25
(1,594)	1:531:A:ILE:HD12	1:533:A:LEU:HB3	10	1.25
(1,594)	1:531:A:ILE:HD13	1:533:A:LEU:HB3	10	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,434)	1:542:A:LEU:HD21	1:546:A:THR:H	18	1.25
(1,434)	1:542:A:LEU:HD22	1:546:A:THR:H	18	1.25
(1,434)	1:542:A:LEU:HD23	1:546:A:THR:H	18	1.25
(1,365)	1:542:A:LEU:HD21	1:543:A:GLN:H	4	1.25
(1,365)	1:542:A:LEU:HD22	1:543:A:GLN:H	4	1.25
(1,365)	1:542:A:LEU:HD23	1:543:A:GLN:H	4	1.25
(1,76)	1:487:A:GLN:H	1:563:A:ALA:H	6	1.25
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG11	3	1.24
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG12	3	1.24
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG13	3	1.24
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG11	3	1.24
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG12	3	1.24
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG13	3	1.24
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG11	10	1.24
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG12	10	1.24
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG13	10	1.24
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG11	10	1.24
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG12	10	1.24
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG13	10	1.24
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG2	17	1.24
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG3	17	1.24
(1,924)	1:539:A:GLY:HA3	1:542:A:LEU:HB3	4	1.24
(1,924)	1:539:A:GLY:HA3	1:542:A:LEU:HB3	8	1.24
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB1	8	1.24
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB2	8	1.24
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB3	8	1.24
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD11	1	1.24
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD12	1	1.24
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD13	1	1.24
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD11	6	1.24
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD12	6	1.24
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD13	6	1.24
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD11	7	1.24
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD12	7	1.24
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD13	7	1.24
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD11	10	1.24
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD12	10	1.24
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD13	10	1.24
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD11	15	1.24
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD12	15	1.24
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD13	15	1.24
(1,594)	1:531:A:ILE:HD11	1:533:A:LEU:HB3	2	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:531:A:ILE:HD12	1:533:A:LEU:HB3	2	1.24
(1,594)	1:531:A:ILE:HD13	1:533:A:LEU:HB3	2	1.24
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG21	4	1.24
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG22	4	1.24
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG23	4	1.24
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG21	13	1.24
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG22	13	1.24
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG23	13	1.24
(1,171)	1:562:A:ASP:H	1:563:A:ALA:H	7	1.24
(1,171)	1:562:A:ASP:H	1:563:A:ALA:H	13	1.24
(1,168)	1:535:A:LYS:HG3	1:537:A:MET:H	5	1.24
(1,119)	1:485:A:ASP:HB3	1:535:A:LYS:H	12	1.24
(1,119)	1:485:A:ASP:HB3	1:535:A:LYS:H	19	1.24
(1,108)	1:488:A:LEU:HA	1:533:A:LEU:H	6	1.24
(1,108)	1:488:A:LEU:HA	1:533:A:LEU:H	16	1.24
(1,76)	1:487:A:GLN:H	1:563:A:ALA:H	5	1.24
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG11	2	1.23
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG12	2	1.23
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG13	2	1.23
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG11	2	1.23
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG12	2	1.23
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG13	2	1.23
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG11	8	1.23
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG12	8	1.23
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG13	8	1.23
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG11	8	1.23
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG12	8	1.23
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG13	8	1.23
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG2	14	1.23
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG3	14	1.23
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD11	11	1.23
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD12	11	1.23
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD13	11	1.23
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD11	12	1.23
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD12	12	1.23
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD13	12	1.23
(1,398)	1:555:A:MET:HG2	1:556:A:ASN:H	13	1.23
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG21	2	1.23
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG22	2	1.23
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG23	2	1.23
(1,113)	1:525:A:PHE:H	1:529:A:SER:HB2	2	1.23
(1,113)	1:525:A:PHE:H	1:529:A:SER:HB2	4	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:525:A:PHE:H	1:529:A:SER:HB2	11	1.23
(1,76)	1:487:A:GLN:H	1:563:A:ALA:H	9	1.23
(1,76)	1:487:A:GLN:H	1:563:A:ALA:H	10	1.23
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG11	6	1.22
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG12	6	1.22
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG13	6	1.22
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG11	6	1.22
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG12	6	1.22
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG13	6	1.22
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG11	16	1.22
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG12	16	1.22
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG13	16	1.22
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG11	16	1.22
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG12	16	1.22
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG13	16	1.22
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG11	19	1.22
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG12	19	1.22
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG13	19	1.22
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG11	19	1.22
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG12	19	1.22
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG13	19	1.22
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD11	11	1.22
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD12	11	1.22
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD13	11	1.22
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD21	11	1.22
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD22	11	1.22
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD23	11	1.22
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG2	2	1.22
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG3	2	1.22
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG2	5	1.22
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG3	5	1.22
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG2	18	1.22
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG3	18	1.22
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG2	19	1.22
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG3	19	1.22
(1,924)	1:539:A:GLY:HA3	1:542:A:LEU:HB3	2	1.22
(1,924)	1:539:A:GLY:HA3	1:542:A:LEU:HB3	18	1.22
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD11	20	1.22
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD12	20	1.22
(1,806)	1:490:A:ARG:HB2	1:491:A:ILE:HD13	20	1.22
(1,594)	1:531:A:ILE:HD11	1:533:A:LEU:HB3	20	1.22
(1,594)	1:531:A:ILE:HD12	1:533:A:LEU:HB3	20	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:531:A:ILE:HD13	1:533:A:LEU:HB3	20	1.22
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG21	15	1.22
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG22	15	1.22
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG23	15	1.22
(1,113)	1:525:A:PHE:H	1:529:A:SER:HB2	20	1.22
(1,108)	1:488:A:LEU:HA	1:533:A:LEU:H	14	1.22
(1,76)	1:487:A:GLN:H	1:563:A:ALA:H	16	1.22
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD21	10	1.21
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD22	10	1.21
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD23	10	1.21
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD21	10	1.21
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD22	10	1.21
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD23	10	1.21
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD21	20	1.21
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD22	20	1.21
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD23	20	1.21
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD21	20	1.21
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD22	20	1.21
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD23	20	1.21
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG11	18	1.21
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG12	18	1.21
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG13	18	1.21
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG11	18	1.21
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG12	18	1.21
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG13	18	1.21
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG2	1	1.21
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG3	1	1.21
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG2	3	1.21
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG3	3	1.21
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG2	6	1.21
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG3	6	1.21
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG2	7	1.21
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG3	7	1.21
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG2	8	1.21
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG3	8	1.21
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG2	12	1.21
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG3	12	1.21
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG2	13	1.21
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG3	13	1.21
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG2	16	1.21
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG3	16	1.21
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG2	20	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG3	20	1.21
(1,924)	1:539:A:GLY:HA3	1:542:A:LEU:HB3	14	1.21
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	11	1.21
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	11	1.21
(1,594)	1:531:A:ILE:HD11	1:533:A:LEU:HB3	3	1.21
(1,594)	1:531:A:ILE:HD12	1:533:A:LEU:HB3	3	1.21
(1,594)	1:531:A:ILE:HD13	1:533:A:LEU:HB3	3	1.21
(1,398)	1:555:A:MET:HG2	1:556:A:ASN:H	7	1.21
(1,365)	1:542:A:LEU:HD21	1:543:A:GLN:H	13	1.21
(1,365)	1:542:A:LEU:HD22	1:543:A:GLN:H	13	1.21
(1,365)	1:542:A:LEU:HD23	1:543:A:GLN:H	13	1.21
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG21	1	1.21
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG22	1	1.21
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG23	1	1.21
(1,119)	1:485:A:ASP:HB3	1:535:A:LYS:H	5	1.21
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD21	6	1.2
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD22	6	1.2
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD23	6	1.2
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD21	6	1.2
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD22	6	1.2
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD23	6	1.2
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG2	9	1.2
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG3	9	1.2
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG2	10	1.2
(1,985)	1:492:A:GLU:H	1:492:A:GLU:HG3	10	1.2
(1,924)	1:539:A:GLY:HA3	1:542:A:LEU:HB3	13	1.2
(1,547)	1:514:A:ILE:HG13	1:519:A:ILE:HG13	17	1.2
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG21	12	1.2
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG22	12	1.2
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG23	12	1.2
(1,119)	1:485:A:ASP:HB3	1:535:A:LYS:H	6	1.2
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD21	8	1.19
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD22	8	1.19
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD23	8	1.19
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD21	8	1.19
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD22	8	1.19
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD23	8	1.19
(1,608)	1:534:A:PRO:HA	1:535:A:LYS:HG3	3	1.19
(1,547)	1:514:A:ILE:HG13	1:519:A:ILE:HG13	16	1.19
(1,355)	1:555:A:MET:HB3	1:557:A:MET:H	7	1.19
(1,119)	1:485:A:ASP:HB3	1:535:A:LYS:H	3	1.19
(1,113)	1:525:A:PHE:H	1:529:A:SER:HB2	15	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,108)	1:488:A:LEU:HA	1:533:A:LEU:H	20	1.19
(1,594)	1:531:A:ILE:HD11	1:533:A:LEU:HB3	13	1.18
(1,594)	1:531:A:ILE:HD12	1:533:A:LEU:HB3	13	1.18
(1,594)	1:531:A:ILE:HD13	1:533:A:LEU:HB3	13	1.18
(1,594)	1:531:A:ILE:HD11	1:533:A:LEU:HB3	19	1.18
(1,594)	1:531:A:ILE:HD12	1:533:A:LEU:HB3	19	1.18
(1,594)	1:531:A:ILE:HD13	1:533:A:LEU:HB3	19	1.18
(1,547)	1:514:A:ILE:HG13	1:519:A:ILE:HG13	3	1.18
(1,547)	1:514:A:ILE:HG13	1:519:A:ILE:HG13	14	1.18
(1,434)	1:542:A:LEU:HD21	1:546:A:THR:H	8	1.18
(1,434)	1:542:A:LEU:HD22	1:546:A:THR:H	8	1.18
(1,434)	1:542:A:LEU:HD23	1:546:A:THR:H	8	1.18
(1,398)	1:555:A:MET:HG2	1:556:A:ASN:H	1	1.18
(1,355)	1:555:A:MET:HB3	1:557:A:MET:H	8	1.18
(1,119)	1:485:A:ASP:HB3	1:535:A:LYS:H	8	1.18
(1,119)	1:485:A:ASP:HB3	1:535:A:LYS:H	10	1.18
(1,119)	1:485:A:ASP:HB3	1:535:A:LYS:H	15	1.18
(1,119)	1:485:A:ASP:HB3	1:535:A:LYS:H	20	1.18
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG11	9	1.17
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG12	9	1.17
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG13	9	1.17
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG11	9	1.17
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG12	9	1.17
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG13	9	1.17
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG11	11	1.17
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG12	11	1.17
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG13	11	1.17
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG11	11	1.17
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG12	11	1.17
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG13	11	1.17
(1,547)	1:514:A:ILE:HG13	1:519:A:ILE:HG13	2	1.17
(1,547)	1:514:A:ILE:HG13	1:519:A:ILE:HG13	9	1.17
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG2	18	1.17
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG3	18	1.17
(1,435)	1:491:A:ILE:HD11	1:529:A:SER:H	3	1.17
(1,435)	1:491:A:ILE:HD12	1:529:A:SER:H	3	1.17
(1,435)	1:491:A:ILE:HD13	1:529:A:SER:H	3	1.17
(1,365)	1:542:A:LEU:HD21	1:543:A:GLN:H	15	1.17
(1,365)	1:542:A:LEU:HD22	1:543:A:GLN:H	15	1.17
(1,365)	1:542:A:LEU:HD23	1:543:A:GLN:H	15	1.17
(1,119)	1:485:A:ASP:HB3	1:535:A:LYS:H	9	1.17
(1,119)	1:485:A:ASP:HB3	1:535:A:LYS:H	17	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:525:A:PHE:H	1:529:A:SER:HB2	5	1.17
(1,1152)	1:558:A:GLN:HG2	1:559:A:LEU:H	11	1.16
(1,1152)	1:558:A:GLN:HG3	1:559:A:LEU:H	11	1.16
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD11	15	1.16
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD12	15	1.16
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD13	15	1.16
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD21	15	1.16
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD22	15	1.16
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD23	15	1.16
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG11	1	1.16
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG12	1	1.16
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG13	1	1.16
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG11	1	1.16
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG12	1	1.16
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG13	1	1.16
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG11	7	1.16
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG12	7	1.16
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG13	7	1.16
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG11	7	1.16
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG12	7	1.16
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG13	7	1.16
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG11	14	1.16
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG12	14	1.16
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG13	14	1.16
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG11	14	1.16
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG12	14	1.16
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG13	14	1.16
(1,717)	1:504:A:ILE:HG21	1:505:A:VAL:HA	1	1.16
(1,717)	1:504:A:ILE:HG22	1:505:A:VAL:HA	1	1.16
(1,717)	1:504:A:ILE:HG23	1:505:A:VAL:HA	1	1.16
(1,717)	1:504:A:ILE:HG21	1:505:A:VAL:HA	2	1.16
(1,717)	1:504:A:ILE:HG22	1:505:A:VAL:HA	2	1.16
(1,717)	1:504:A:ILE:HG23	1:505:A:VAL:HA	2	1.16
(1,717)	1:504:A:ILE:HG21	1:505:A:VAL:HA	3	1.16
(1,717)	1:504:A:ILE:HG22	1:505:A:VAL:HA	3	1.16
(1,717)	1:504:A:ILE:HG23	1:505:A:VAL:HA	3	1.16
(1,717)	1:504:A:ILE:HG21	1:505:A:VAL:HA	4	1.16
(1,717)	1:504:A:ILE:HG22	1:505:A:VAL:HA	4	1.16
(1,717)	1:504:A:ILE:HG23	1:505:A:VAL:HA	4	1.16
(1,717)	1:504:A:ILE:HG21	1:505:A:VAL:HA	5	1.16
(1,717)	1:504:A:ILE:HG22	1:505:A:VAL:HA	5	1.16
(1,717)	1:504:A:ILE:HG23	1:505:A:VAL:HA	5	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	1:504:A:ILE:HG21	1:505:A:VAL:HA	6	1.16
(1,717)	1:504:A:ILE:HG22	1:505:A:VAL:HA	6	1.16
(1,717)	1:504:A:ILE:HG23	1:505:A:VAL:HA	6	1.16
(1,717)	1:504:A:ILE:HG21	1:505:A:VAL:HA	7	1.16
(1,717)	1:504:A:ILE:HG22	1:505:A:VAL:HA	7	1.16
(1,717)	1:504:A:ILE:HG23	1:505:A:VAL:HA	7	1.16
(1,717)	1:504:A:ILE:HG21	1:505:A:VAL:HA	8	1.16
(1,717)	1:504:A:ILE:HG22	1:505:A:VAL:HA	8	1.16
(1,717)	1:504:A:ILE:HG23	1:505:A:VAL:HA	8	1.16
(1,717)	1:504:A:ILE:HG21	1:505:A:VAL:HA	9	1.16
(1,717)	1:504:A:ILE:HG22	1:505:A:VAL:HA	9	1.16
(1,717)	1:504:A:ILE:HG23	1:505:A:VAL:HA	9	1.16
(1,717)	1:504:A:ILE:HG21	1:505:A:VAL:HA	10	1.16
(1,717)	1:504:A:ILE:HG22	1:505:A:VAL:HA	10	1.16
(1,717)	1:504:A:ILE:HG23	1:505:A:VAL:HA	10	1.16
(1,717)	1:504:A:ILE:HG21	1:505:A:VAL:HA	11	1.16
(1,717)	1:504:A:ILE:HG22	1:505:A:VAL:HA	11	1.16
(1,717)	1:504:A:ILE:HG23	1:505:A:VAL:HA	11	1.16
(1,717)	1:504:A:ILE:HG21	1:505:A:VAL:HA	12	1.16
(1,717)	1:504:A:ILE:HG22	1:505:A:VAL:HA	12	1.16
(1,717)	1:504:A:ILE:HG23	1:505:A:VAL:HA	12	1.16
(1,717)	1:504:A:ILE:HG21	1:505:A:VAL:HA	13	1.16
(1,717)	1:504:A:ILE:HG22	1:505:A:VAL:HA	13	1.16
(1,717)	1:504:A:ILE:HG23	1:505:A:VAL:HA	13	1.16
(1,717)	1:504:A:ILE:HG21	1:505:A:VAL:HA	14	1.16
(1,717)	1:504:A:ILE:HG22	1:505:A:VAL:HA	14	1.16
(1,717)	1:504:A:ILE:HG23	1:505:A:VAL:HA	14	1.16
(1,717)	1:504:A:ILE:HG21	1:505:A:VAL:HA	15	1.16
(1,717)	1:504:A:ILE:HG22	1:505:A:VAL:HA	15	1.16
(1,717)	1:504:A:ILE:HG23	1:505:A:VAL:HA	15	1.16
(1,717)	1:504:A:ILE:HG21	1:505:A:VAL:HA	16	1.16
(1,717)	1:504:A:ILE:HG22	1:505:A:VAL:HA	16	1.16
(1,717)	1:504:A:ILE:HG23	1:505:A:VAL:HA	16	1.16
(1,717)	1:504:A:ILE:HG21	1:505:A:VAL:HA	17	1.16
(1,717)	1:504:A:ILE:HG22	1:505:A:VAL:HA	17	1.16
(1,717)	1:504:A:ILE:HG23	1:505:A:VAL:HA	17	1.16
(1,717)	1:504:A:ILE:HG21	1:505:A:VAL:HA	18	1.16
(1,717)	1:504:A:ILE:HG22	1:505:A:VAL:HA	18	1.16
(1,717)	1:504:A:ILE:HG23	1:505:A:VAL:HA	18	1.16
(1,717)	1:504:A:ILE:HG21	1:505:A:VAL:HA	19	1.16
(1,717)	1:504:A:ILE:HG22	1:505:A:VAL:HA	19	1.16
(1,717)	1:504:A:ILE:HG23	1:505:A:VAL:HA	19	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	1:504:A:ILE:HG21	1:505:A:VAL:HA	20	1.16
(1,717)	1:504:A:ILE:HG22	1:505:A:VAL:HA	20	1.16
(1,717)	1:504:A:ILE:HG23	1:505:A:VAL:HA	20	1.16
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	19	1.16
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	19	1.16
(1,594)	1:531:A:ILE:HD11	1:533:A:LEU:HB3	4	1.16
(1,594)	1:531:A:ILE:HD12	1:533:A:LEU:HB3	4	1.16
(1,594)	1:531:A:ILE:HD13	1:533:A:LEU:HB3	4	1.16
(1,594)	1:531:A:ILE:HD11	1:533:A:LEU:HB3	15	1.16
(1,594)	1:531:A:ILE:HD12	1:533:A:LEU:HB3	15	1.16
(1,594)	1:531:A:ILE:HD13	1:533:A:LEU:HB3	15	1.16
(1,547)	1:514:A:ILE:HG13	1:519:A:ILE:HG13	8	1.16
(1,398)	1:555:A:MET:HG2	1:556:A:ASN:H	14	1.16
(1,355)	1:555:A:MET:HB3	1:557:A:MET:H	17	1.16
(1,119)	1:485:A:ASP:HB3	1:535:A:LYS:H	2	1.16
(1,119)	1:485:A:ASP:HB3	1:535:A:LYS:H	18	1.16
(1,108)	1:488:A:LEU:HA	1:533:A:LEU:H	10	1.16
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG11	4	1.15
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG12	4	1.15
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG13	4	1.15
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG11	4	1.15
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG12	4	1.15
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG13	4	1.15
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG11	13	1.15
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG12	13	1.15
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG13	13	1.15
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG11	13	1.15
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG12	13	1.15
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG13	13	1.15
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG11	15	1.15
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG12	15	1.15
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG13	15	1.15
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG11	15	1.15
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG12	15	1.15
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG13	15	1.15
(1,909)	1:542:A:LEU:HG	1:543:A:GLN:HA	12	1.15
(1,832)	1:490:A:ARG:HB2	1:557:A:MET:HB3	1	1.15
(1,832)	1:490:A:ARG:HB2	1:557:A:MET:HB3	6	1.15
(1,653)	1:541:A:VAL:HG21	1:542:A:LEU:HA	12	1.15
(1,653)	1:541:A:VAL:HG22	1:542:A:LEU:HA	12	1.15
(1,653)	1:541:A:VAL:HG23	1:542:A:LEU:HA	12	1.15
(1,547)	1:514:A:ILE:HG13	1:519:A:ILE:HG13	11	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:514:A:ILE:HG13	1:519:A:ILE:HG13	12	1.15
(1,477)	1:560:A:LEU:HB2	1:561:A:GLY:H	13	1.15
(1,365)	1:542:A:LEU:HD21	1:543:A:GLN:H	18	1.15
(1,365)	1:542:A:LEU:HD22	1:543:A:GLN:H	18	1.15
(1,365)	1:542:A:LEU:HD23	1:543:A:GLN:H	18	1.15
(1,355)	1:555:A:MET:HB3	1:557:A:MET:H	11	1.15
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG11	20	1.14
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG12	20	1.14
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG13	20	1.14
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG11	20	1.14
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG12	20	1.14
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG13	20	1.14
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	3	1.14
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	3	1.14
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	5	1.14
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	5	1.14
(1,653)	1:541:A:VAL:HG21	1:542:A:LEU:HA	14	1.14
(1,653)	1:541:A:VAL:HG22	1:542:A:LEU:HA	14	1.14
(1,653)	1:541:A:VAL:HG23	1:542:A:LEU:HA	14	1.14
(1,547)	1:514:A:ILE:HG13	1:519:A:ILE:HG13	6	1.14
(1,547)	1:514:A:ILE:HG13	1:519:A:ILE:HG13	10	1.14
(1,477)	1:560:A:LEU:HB2	1:561:A:GLY:H	4	1.14
(1,398)	1:555:A:MET:HG2	1:556:A:ASN:H	8	1.14
(1,119)	1:485:A:ASP:HB3	1:535:A:LYS:H	13	1.14
(1,113)	1:525:A:PHE:H	1:529:A:SER:HB2	10	1.14
(1,113)	1:525:A:PHE:H	1:529:A:SER:HB2	12	1.14
(1,113)	1:525:A:PHE:H	1:529:A:SER:HB2	17	1.14
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD21	16	1.13
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD22	16	1.13
(1,1154)	1:558:A:GLN:HG2	1:560:A:LEU:HD23	16	1.13
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD21	16	1.13
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD22	16	1.13
(1,1154)	1:558:A:GLN:HG3	1:560:A:LEU:HD23	16	1.13
(1,832)	1:490:A:ARG:HB2	1:557:A:MET:HB3	12	1.13
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	15	1.13
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	15	1.13
(1,653)	1:541:A:VAL:HG21	1:542:A:LEU:HA	1	1.13
(1,653)	1:541:A:VAL:HG22	1:542:A:LEU:HA	1	1.13
(1,653)	1:541:A:VAL:HG23	1:542:A:LEU:HA	1	1.13
(1,653)	1:541:A:VAL:HG21	1:542:A:LEU:HA	5	1.13
(1,653)	1:541:A:VAL:HG22	1:542:A:LEU:HA	5	1.13
(1,653)	1:541:A:VAL:HG23	1:542:A:LEU:HA	5	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,653)	1:541:A:VAL:HG21	1:542:A:LEU:HA	8	1.13
(1,653)	1:541:A:VAL:HG22	1:542:A:LEU:HA	8	1.13
(1,653)	1:541:A:VAL:HG23	1:542:A:LEU:HA	8	1.13
(1,653)	1:541:A:VAL:HG21	1:542:A:LEU:HA	9	1.13
(1,653)	1:541:A:VAL:HG22	1:542:A:LEU:HA	9	1.13
(1,653)	1:541:A:VAL:HG23	1:542:A:LEU:HA	9	1.13
(1,653)	1:541:A:VAL:HG21	1:542:A:LEU:HA	10	1.13
(1,653)	1:541:A:VAL:HG22	1:542:A:LEU:HA	10	1.13
(1,653)	1:541:A:VAL:HG23	1:542:A:LEU:HA	10	1.13
(1,653)	1:541:A:VAL:HG21	1:542:A:LEU:HA	11	1.13
(1,653)	1:541:A:VAL:HG22	1:542:A:LEU:HA	11	1.13
(1,653)	1:541:A:VAL:HG23	1:542:A:LEU:HA	11	1.13
(1,653)	1:541:A:VAL:HG21	1:542:A:LEU:HA	16	1.13
(1,653)	1:541:A:VAL:HG22	1:542:A:LEU:HA	16	1.13
(1,653)	1:541:A:VAL:HG23	1:542:A:LEU:HA	16	1.13
(1,653)	1:541:A:VAL:HG21	1:542:A:LEU:HA	18	1.13
(1,653)	1:541:A:VAL:HG22	1:542:A:LEU:HA	18	1.13
(1,653)	1:541:A:VAL:HG23	1:542:A:LEU:HA	18	1.13
(1,653)	1:541:A:VAL:HG21	1:542:A:LEU:HA	19	1.13
(1,653)	1:541:A:VAL:HG22	1:542:A:LEU:HA	19	1.13
(1,653)	1:541:A:VAL:HG23	1:542:A:LEU:HA	19	1.13
(1,653)	1:541:A:VAL:HG21	1:542:A:LEU:HA	20	1.13
(1,653)	1:541:A:VAL:HG22	1:542:A:LEU:HA	20	1.13
(1,653)	1:541:A:VAL:HG23	1:542:A:LEU:HA	20	1.13
(1,547)	1:514:A:ILE:HG13	1:519:A:ILE:HG13	1	1.13
(1,477)	1:560:A:LEU:HB2	1:561:A:GLY:H	2	1.13
(1,477)	1:560:A:LEU:HB2	1:561:A:GLY:H	3	1.13
(1,477)	1:560:A:LEU:HB2	1:561:A:GLY:H	10	1.13
(1,477)	1:560:A:LEU:HB2	1:561:A:GLY:H	11	1.13
(1,477)	1:560:A:LEU:HB2	1:561:A:GLY:H	14	1.13
(1,477)	1:560:A:LEU:HB2	1:561:A:GLY:H	17	1.13
(1,477)	1:560:A:LEU:HB2	1:561:A:GLY:H	20	1.13
(1,435)	1:491:A:ILE:HD11	1:529:A:SER:H	7	1.13
(1,435)	1:491:A:ILE:HD12	1:529:A:SER:H	7	1.13
(1,435)	1:491:A:ILE:HD13	1:529:A:SER:H	7	1.13
(1,398)	1:555:A:MET:HG2	1:556:A:ASN:H	18	1.13
(1,119)	1:485:A:ASP:HB3	1:535:A:LYS:H	7	1.13
(1,119)	1:485:A:ASP:HB3	1:535:A:LYS:H	14	1.13
(1,113)	1:525:A:PHE:H	1:529:A:SER:HB2	9	1.13
(1,113)	1:525:A:PHE:H	1:529:A:SER:HB2	13	1.13
(1,113)	1:525:A:PHE:H	1:529:A:SER:HB2	19	1.13
(1,108)	1:488:A:LEU:HA	1:533:A:LEU:H	13	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,76)	1:487:A:GLN:H	1:563:A:ALA:H	18	1.13
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD11	7	1.12
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD12	7	1.12
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD13	7	1.12
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD21	7	1.12
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD22	7	1.12
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD23	7	1.12
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB2	7	1.12
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB3	7	1.12
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB2	7	1.12
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB3	7	1.12
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG11	12	1.12
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG12	12	1.12
(1,1109)	1:540:A:GLU:HG2	1:541:A:VAL:HG13	12	1.12
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG11	12	1.12
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG12	12	1.12
(1,1109)	1:540:A:GLU:HG3	1:541:A:VAL:HG13	12	1.12
(1,848)	1:549:A:ARG:HB3	1:554:A:PRO:HG3	2	1.12
(1,848)	1:549:A:ARG:HB3	1:554:A:PRO:HG3	13	1.12
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	1	1.12
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	1	1.12
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	2	1.12
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	2	1.12
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	8	1.12
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	8	1.12
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	12	1.12
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	12	1.12
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	14	1.12
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	14	1.12
(1,653)	1:541:A:VAL:HG21	1:542:A:LEU:HA	2	1.12
(1,653)	1:541:A:VAL:HG22	1:542:A:LEU:HA	2	1.12
(1,653)	1:541:A:VAL:HG23	1:542:A:LEU:HA	2	1.12
(1,653)	1:541:A:VAL:HG21	1:542:A:LEU:HA	3	1.12
(1,653)	1:541:A:VAL:HG22	1:542:A:LEU:HA	3	1.12
(1,653)	1:541:A:VAL:HG23	1:542:A:LEU:HA	3	1.12
(1,653)	1:541:A:VAL:HG21	1:542:A:LEU:HA	4	1.12
(1,653)	1:541:A:VAL:HG22	1:542:A:LEU:HA	4	1.12
(1,653)	1:541:A:VAL:HG23	1:542:A:LEU:HA	4	1.12
(1,653)	1:541:A:VAL:HG21	1:542:A:LEU:HA	6	1.12
(1,653)	1:541:A:VAL:HG22	1:542:A:LEU:HA	6	1.12
(1,653)	1:541:A:VAL:HG23	1:542:A:LEU:HA	6	1.12
(1,653)	1:541:A:VAL:HG21	1:542:A:LEU:HA	7	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,653)	1:541:A:VAL:HG22	1:542:A:LEU:HA	7	1.12
(1,653)	1:541:A:VAL:HG23	1:542:A:LEU:HA	7	1.12
(1,653)	1:541:A:VAL:HG21	1:542:A:LEU:HA	13	1.12
(1,653)	1:541:A:VAL:HG22	1:542:A:LEU:HA	13	1.12
(1,653)	1:541:A:VAL:HG23	1:542:A:LEU:HA	13	1.12
(1,653)	1:541:A:VAL:HG21	1:542:A:LEU:HA	15	1.12
(1,653)	1:541:A:VAL:HG22	1:542:A:LEU:HA	15	1.12
(1,653)	1:541:A:VAL:HG23	1:542:A:LEU:HA	15	1.12
(1,653)	1:541:A:VAL:HG21	1:542:A:LEU:HA	17	1.12
(1,653)	1:541:A:VAL:HG22	1:542:A:LEU:HA	17	1.12
(1,653)	1:541:A:VAL:HG23	1:542:A:LEU:HA	17	1.12
(1,477)	1:560:A:LEU:HB2	1:561:A:GLY:H	1	1.12
(1,435)	1:491:A:ILE:HD11	1:529:A:SER:H	18	1.12
(1,435)	1:491:A:ILE:HD12	1:529:A:SER:H	18	1.12
(1,435)	1:491:A:ILE:HD13	1:529:A:SER:H	18	1.12
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG21	19	1.12
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG22	19	1.12
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG23	19	1.12
(1,355)	1:555:A:MET:HB3	1:557:A:MET:H	2	1.12
(1,355)	1:555:A:MET:HB3	1:557:A:MET:H	13	1.12
(1,304)	1:538:A:PRO:HB2	1:542:A:LEU:H	5	1.12
(1,304)	1:538:A:PRO:HB2	1:542:A:LEU:H	7	1.12
(1,108)	1:488:A:LEU:HA	1:533:A:LEU:H	11	1.12
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD11	12	1.11
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD12	12	1.11
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD13	12	1.11
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD21	12	1.11
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD22	12	1.11
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD23	12	1.11
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB2	14	1.11
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB3	14	1.11
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB2	14	1.11
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB3	14	1.11
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB1	1	1.11
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB2	1	1.11
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB3	1	1.11
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB1	18	1.11
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB2	18	1.11
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB3	18	1.11
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	7	1.11
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	7	1.11
(1,547)	1:514:A:ILE:HG13	1:519:A:ILE:HG13	4	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:514:A:ILE:HG13	1:519:A:ILE:HG13	5	1.11
(1,547)	1:514:A:ILE:HG13	1:519:A:ILE:HG13	18	1.11
(1,547)	1:514:A:ILE:HG13	1:519:A:ILE:HG13	19	1.11
(1,477)	1:560:A:LEU:HB2	1:561:A:GLY:H	8	1.11
(1,435)	1:491:A:ILE:HD11	1:529:A:SER:H	6	1.11
(1,435)	1:491:A:ILE:HD12	1:529:A:SER:H	6	1.11
(1,435)	1:491:A:ILE:HD13	1:529:A:SER:H	6	1.11
(1,435)	1:491:A:ILE:HD11	1:529:A:SER:H	8	1.11
(1,435)	1:491:A:ILE:HD12	1:529:A:SER:H	8	1.11
(1,435)	1:491:A:ILE:HD13	1:529:A:SER:H	8	1.11
(1,435)	1:491:A:ILE:HD11	1:529:A:SER:H	16	1.11
(1,435)	1:491:A:ILE:HD12	1:529:A:SER:H	16	1.11
(1,435)	1:491:A:ILE:HD13	1:529:A:SER:H	16	1.11
(1,435)	1:491:A:ILE:HD11	1:529:A:SER:H	19	1.11
(1,435)	1:491:A:ILE:HD12	1:529:A:SER:H	19	1.11
(1,435)	1:491:A:ILE:HD13	1:529:A:SER:H	19	1.11
(1,365)	1:542:A:LEU:HD21	1:543:A:GLN:H	8	1.11
(1,365)	1:542:A:LEU:HD22	1:543:A:GLN:H	8	1.11
(1,365)	1:542:A:LEU:HD23	1:543:A:GLN:H	8	1.11
(1,355)	1:555:A:MET:HB3	1:557:A:MET:H	10	1.11
(1,119)	1:485:A:ASP:HB3	1:535:A:LYS:H	1	1.11
(1,119)	1:485:A:ASP:HB3	1:535:A:LYS:H	4	1.11
(1,119)	1:485:A:ASP:HB3	1:535:A:LYS:H	16	1.11
(1,113)	1:525:A:PHE:H	1:529:A:SER:HB2	1	1.11
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD11	8	1.1
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD12	8	1.1
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD13	8	1.1
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD21	8	1.1
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD22	8	1.1
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD23	8	1.1
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD11	11	1.1
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD12	11	1.1
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD13	11	1.1
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD21	11	1.1
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD22	11	1.1
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD23	11	1.1
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB2	5	1.1
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB3	5	1.1
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB2	5	1.1
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB3	5	1.1
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB2	20	1.1
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB3	20	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB2	20	1.1
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB3	20	1.1
(1,848)	1:549:A:ARG:HB3	1:554:A:PRO:HG3	3	1.1
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	16	1.1
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	16	1.1
(1,547)	1:514:A:ILE:HG13	1:519:A:ILE:HG13	7	1.1
(1,547)	1:514:A:ILE:HG13	1:519:A:ILE:HG13	15	1.1
(1,477)	1:560:A:LEU:HB2	1:561:A:GLY:H	16	1.1
(1,352)	1:542:A:LEU:HA	1:545:A:PHE:H	14	1.1
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB2	1	1.09
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB3	1	1.09
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB2	1	1.09
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB3	1	1.09
(1,848)	1:549:A:ARG:HB3	1:554:A:PRO:HG3	6	1.09
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	9	1.09
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	9	1.09
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	10	1.09
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	10	1.09
(1,594)	1:531:A:ILE:HD11	1:533:A:LEU:HB3	7	1.09
(1,594)	1:531:A:ILE:HD12	1:533:A:LEU:HB3	7	1.09
(1,594)	1:531:A:ILE:HD13	1:533:A:LEU:HB3	7	1.09
(1,477)	1:560:A:LEU:HB2	1:561:A:GLY:H	6	1.09
(1,477)	1:560:A:LEU:HB2	1:561:A:GLY:H	19	1.09
(1,398)	1:555:A:MET:HG2	1:556:A:ASN:H	19	1.09
(1,113)	1:525:A:PHE:H	1:529:A:SER:HB2	6	1.09
(1,113)	1:525:A:PHE:H	1:529:A:SER:HB2	16	1.09
(1,848)	1:549:A:ARG:HB3	1:554:A:PRO:HG3	9	1.08
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	6	1.08
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	6	1.08
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	20	1.08
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	20	1.08
(1,547)	1:514:A:ILE:HG13	1:519:A:ILE:HG13	20	1.08
(1,477)	1:560:A:LEU:HB2	1:561:A:GLY:H	5	1.08
(1,477)	1:560:A:LEU:HB2	1:561:A:GLY:H	9	1.08
(1,435)	1:491:A:ILE:HD11	1:529:A:SER:H	17	1.08
(1,435)	1:491:A:ILE:HD12	1:529:A:SER:H	17	1.08
(1,435)	1:491:A:ILE:HD13	1:529:A:SER:H	17	1.08
(1,352)	1:542:A:LEU:HA	1:545:A:PHE:H	8	1.08
(1,352)	1:542:A:LEU:HA	1:545:A:PHE:H	18	1.08
(1,352)	1:542:A:LEU:HA	1:545:A:PHE:H	20	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG11	2	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG12	2	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG13	2	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG11	3	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG12	3	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG13	3	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG11	4	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG12	4	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG13	4	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG11	5	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG12	5	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG13	5	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG11	6	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG12	6	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG13	6	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG11	7	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG12	7	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG13	7	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG11	8	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG12	8	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG13	8	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG11	15	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG12	15	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG13	15	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG11	17	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG12	17	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG13	17	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG11	19	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG12	19	1.08
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG13	19	1.08
(1,108)	1:488:A:LEU:HA	1:533:A:LEU:H	1	1.08
(1,108)	1:488:A:LEU:HA	1:533:A:LEU:H	7	1.08
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD11	16	1.07
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD12	16	1.07
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD13	16	1.07
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD21	16	1.07
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD22	16	1.07
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD23	16	1.07
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB2	8	1.07
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB3	8	1.07
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB2	8	1.07
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB3	8	1.07
(1,848)	1:549:A:ARG:HB3	1:554:A:PRO:HG3	7	1.07
(1,848)	1:549:A:ARG:HB3	1:554:A:PRO:HG3	14	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,804)	1:491:A:ILE:HD11	1:528:A:HIS:HB3	14	1.07
(1,804)	1:491:A:ILE:HD12	1:528:A:HIS:HB3	14	1.07
(1,804)	1:491:A:ILE:HD13	1:528:A:HIS:HB3	14	1.07
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	4	1.07
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	4	1.07
(1,477)	1:560:A:LEU:HB2	1:561:A:GLY:H	7	1.07
(1,435)	1:491:A:ILE:HD11	1:529:A:SER:H	1	1.07
(1,435)	1:491:A:ILE:HD12	1:529:A:SER:H	1	1.07
(1,435)	1:491:A:ILE:HD13	1:529:A:SER:H	1	1.07
(1,435)	1:491:A:ILE:HD11	1:529:A:SER:H	9	1.07
(1,435)	1:491:A:ILE:HD12	1:529:A:SER:H	9	1.07
(1,435)	1:491:A:ILE:HD13	1:529:A:SER:H	9	1.07
(1,435)	1:491:A:ILE:HD11	1:529:A:SER:H	13	1.07
(1,435)	1:491:A:ILE:HD12	1:529:A:SER:H	13	1.07
(1,435)	1:491:A:ILE:HD13	1:529:A:SER:H	13	1.07
(1,352)	1:542:A:LEU:HA	1:545:A:PHE:H	1	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG11	1	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG12	1	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG13	1	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG11	9	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG12	9	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG13	9	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG11	10	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG12	10	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG13	10	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG11	11	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG12	11	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG13	11	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG11	13	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG12	13	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG13	13	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG11	14	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG12	14	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG13	14	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG11	16	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG12	16	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG13	16	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG11	18	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG12	18	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG13	18	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG11	20	1.07
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG12	20	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG13	20	1.07
(1,144)	1:523:A:LYS:HE2	1:524:A:LEU:H	1	1.07
(1,144)	1:523:A:LYS:HE3	1:524:A:LEU:H	1	1.07
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB2	10	1.06
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB3	10	1.06
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB2	10	1.06
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB3	10	1.06
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB2	12	1.06
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB3	12	1.06
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB2	12	1.06
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB3	12	1.06
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB2	17	1.06
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB3	17	1.06
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB2	17	1.06
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB3	17	1.06
(1,848)	1:549:A:ARG:HB3	1:554:A:PRO:HG3	8	1.06
(1,778)	1:531:A:ILE:HD11	1:533:A:LEU:HG	11	1.06
(1,778)	1:531:A:ILE:HD12	1:533:A:LEU:HG	11	1.06
(1,778)	1:531:A:ILE:HD13	1:533:A:LEU:HG	11	1.06
(1,778)	1:531:A:ILE:HD11	1:533:A:LEU:HG	14	1.06
(1,778)	1:531:A:ILE:HD12	1:533:A:LEU:HG	14	1.06
(1,778)	1:531:A:ILE:HD13	1:533:A:LEU:HG	14	1.06
(1,754)	1:492:A:GLU:HG2	1:556:A:ASN:HB2	4	1.06
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	17	1.06
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	17	1.06
(1,547)	1:514:A:ILE:HG13	1:519:A:ILE:HG13	13	1.06
(1,477)	1:560:A:LEU:HB2	1:561:A:GLY:H	12	1.06
(1,477)	1:560:A:LEU:HB2	1:561:A:GLY:H	15	1.06
(1,435)	1:491:A:ILE:HD11	1:529:A:SER:H	5	1.06
(1,435)	1:491:A:ILE:HD12	1:529:A:SER:H	5	1.06
(1,435)	1:491:A:ILE:HD13	1:529:A:SER:H	5	1.06
(1,435)	1:491:A:ILE:HD11	1:529:A:SER:H	11	1.06
(1,435)	1:491:A:ILE:HD12	1:529:A:SER:H	11	1.06
(1,435)	1:491:A:ILE:HD13	1:529:A:SER:H	11	1.06
(1,435)	1:491:A:ILE:HD11	1:529:A:SER:H	12	1.06
(1,435)	1:491:A:ILE:HD12	1:529:A:SER:H	12	1.06
(1,435)	1:491:A:ILE:HD13	1:529:A:SER:H	12	1.06
(1,352)	1:542:A:LEU:HA	1:545:A:PHE:H	5	1.06
(1,352)	1:542:A:LEU:HA	1:545:A:PHE:H	12	1.06
(1,1152)	1:558:A:GLN:HG2	1:559:A:LEU:H	20	1.05
(1,1152)	1:558:A:GLN:HG3	1:559:A:LEU:H	20	1.05
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB2	3	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB3	3	1.05
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB2	3	1.05
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB3	3	1.05
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB2	16	1.05
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB3	16	1.05
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB2	16	1.05
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB3	16	1.05
(1,848)	1:549:A:ARG:HB3	1:554:A:PRO:HG3	4	1.05
(1,848)	1:549:A:ARG:HB3	1:554:A:PRO:HG3	17	1.05
(1,848)	1:549:A:ARG:HB3	1:554:A:PRO:HG3	19	1.05
(1,833)	1:557:A:MET:HB3	1:558:A:GLN:HA	11	1.05
(1,833)	1:557:A:MET:HB3	1:558:A:GLN:HA	18	1.05
(1,833)	1:557:A:MET:HB3	1:558:A:GLN:HA	19	1.05
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB1	5	1.05
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB2	5	1.05
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB3	5	1.05
(1,352)	1:542:A:LEU:HA	1:545:A:PHE:H	4	1.05
(1,352)	1:542:A:LEU:HA	1:545:A:PHE:H	13	1.05
(1,352)	1:542:A:LEU:HA	1:545:A:PHE:H	15	1.05
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG11	12	1.05
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG12	12	1.05
(1,243)	1:541:A:VAL:H	1:541:A:VAL:HG13	12	1.05
(1,113)	1:525:A:PHE:H	1:529:A:SER:HB2	3	1.05
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD11	6	1.04
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD12	6	1.04
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD13	6	1.04
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD21	6	1.04
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD22	6	1.04
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD23	6	1.04
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD11	20	1.04
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD12	20	1.04
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD13	20	1.04
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD21	20	1.04
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD22	20	1.04
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD23	20	1.04
(1,848)	1:549:A:ARG:HB3	1:554:A:PRO:HG3	11	1.04
(1,833)	1:557:A:MET:HB3	1:558:A:GLN:HA	1	1.04
(1,833)	1:557:A:MET:HB3	1:558:A:GLN:HA	7	1.04
(1,833)	1:557:A:MET:HB3	1:558:A:GLN:HA	8	1.04
(1,833)	1:557:A:MET:HB3	1:558:A:GLN:HA	10	1.04
(1,833)	1:557:A:MET:HB3	1:558:A:GLN:HA	20	1.04
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB1	16	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB2	16	1.04
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB3	16	1.04
(1,398)	1:555:A:MET:HG2	1:556:A:ASN:H	15	1.04
(1,355)	1:555:A:MET:HB3	1:557:A:MET:H	3	1.04
(1,352)	1:542:A:LEU:HA	1:545:A:PHE:H	2	1.04
(1,352)	1:542:A:LEU:HA	1:545:A:PHE:H	3	1.04
(1,352)	1:542:A:LEU:HA	1:545:A:PHE:H	6	1.04
(1,304)	1:538:A:PRO:HB2	1:542:A:LEU:H	14	1.04
(1,144)	1:523:A:LYS:HE2	1:524:A:LEU:H	13	1.04
(1,144)	1:523:A:LYS:HE3	1:524:A:LEU:H	13	1.04
(1,113)	1:525:A:PHE:H	1:529:A:SER:HB2	7	1.04
(1,34)	1:531:A:ILE:HB	1:532:A:GLU:H	6	1.04
(1,34)	1:531:A:ILE:HB	1:532:A:GLU:H	17	1.04
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD11	1	1.03
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD12	1	1.03
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD13	1	1.03
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD21	1	1.03
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD22	1	1.03
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD23	1	1.03
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD11	19	1.03
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD12	19	1.03
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD13	19	1.03
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD21	19	1.03
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD22	19	1.03
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD23	19	1.03
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB2	6	1.03
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB3	6	1.03
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB2	6	1.03
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB3	6	1.03
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB2	18	1.03
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB3	18	1.03
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB2	18	1.03
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB3	18	1.03
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD11	1	1.03
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD12	1	1.03
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD13	1	1.03
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD21	1	1.03
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD22	1	1.03
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD23	1	1.03
(1,919)	1:549:A:ARG:HB2	1:554:A:PRO:HA	9	1.03
(1,848)	1:549:A:ARG:HB3	1:554:A:PRO:HG3	10	1.03
(1,477)	1:560:A:LEU:HB2	1:561:A:GLY:H	18	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,364)	1:542:A:LEU:HB3	1:543:A:GLN:H	8	1.03
(1,364)	1:542:A:LEU:HB3	1:543:A:GLN:H	14	1.03
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG21	18	1.03
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG22	18	1.03
(1,357)	1:545:A:PHE:H	1:546:A:THR:HG23	18	1.03
(1,352)	1:542:A:LEU:HA	1:545:A:PHE:H	7	1.03
(1,352)	1:542:A:LEU:HA	1:545:A:PHE:H	10	1.03
(1,304)	1:538:A:PRO:HB2	1:542:A:LEU:H	8	1.03
(1,113)	1:525:A:PHE:H	1:529:A:SER:HB2	8	1.03
(1,34)	1:531:A:ILE:HB	1:532:A:GLU:H	8	1.03
(1,34)	1:531:A:ILE:HB	1:532:A:GLU:H	14	1.03
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB2	11	1.02
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB3	11	1.02
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB2	11	1.02
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB3	11	1.02
(1,919)	1:549:A:ARG:HB2	1:554:A:PRO:HA	14	1.02
(1,848)	1:549:A:ARG:HB3	1:554:A:PRO:HG3	16	1.02
(1,364)	1:542:A:LEU:HB3	1:543:A:GLN:H	2	1.02
(1,364)	1:542:A:LEU:HB3	1:543:A:GLN:H	4	1.02
(1,352)	1:542:A:LEU:HA	1:545:A:PHE:H	9	1.02
(1,351)	1:492:A:GLU:H	1:557:A:MET:H	16	1.02
(1,76)	1:487:A:GLN:H	1:563:A:ALA:H	3	1.02
(1,34)	1:531:A:ILE:HB	1:532:A:GLU:H	3	1.02
(1,34)	1:531:A:ILE:HB	1:532:A:GLU:H	20	1.02
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD11	3	1.01
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD12	3	1.01
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD13	3	1.01
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD21	3	1.01
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD22	3	1.01
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD23	3	1.01
(1,919)	1:549:A:ARG:HB2	1:554:A:PRO:HA	8	1.01
(1,833)	1:557:A:MET:HB3	1:558:A:GLN:HA	6	1.01
(1,833)	1:557:A:MET:HB3	1:558:A:GLN:HA	12	1.01
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB1	9	1.01
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB2	9	1.01
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB3	9	1.01
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB1	12	1.01
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB2	12	1.01
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB3	12	1.01
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB1	20	1.01
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB2	20	1.01
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB3	20	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG2	11	1.01
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG3	11	1.01
(1,435)	1:491:A:ILE:HD11	1:529:A:SER:H	2	1.01
(1,435)	1:491:A:ILE:HD12	1:529:A:SER:H	2	1.01
(1,435)	1:491:A:ILE:HD13	1:529:A:SER:H	2	1.01
(1,435)	1:491:A:ILE:HD11	1:529:A:SER:H	15	1.01
(1,435)	1:491:A:ILE:HD12	1:529:A:SER:H	15	1.01
(1,435)	1:491:A:ILE:HD13	1:529:A:SER:H	15	1.01
(1,364)	1:542:A:LEU:HB3	1:543:A:GLN:H	13	1.01
(1,351)	1:492:A:GLU:H	1:557:A:MET:H	15	1.01
(1,76)	1:487:A:GLN:H	1:563:A:ALA:H	12	1.01
(1,76)	1:487:A:GLN:H	1:563:A:ALA:H	14	1.01
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB2	9	1.0
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB3	9	1.0
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB2	9	1.0
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB3	9	1.0
(1,919)	1:549:A:ARG:HB2	1:554:A:PRO:HA	16	1.0
(1,848)	1:549:A:ARG:HB3	1:554:A:PRO:HG3	18	1.0
(1,833)	1:557:A:MET:HB3	1:558:A:GLN:HA	3	1.0
(1,833)	1:557:A:MET:HB3	1:558:A:GLN:HA	14	1.0
(1,833)	1:557:A:MET:HB3	1:558:A:GLN:HA	17	1.0
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB1	15	1.0
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB2	15	1.0
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB3	15	1.0
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB1	17	1.0
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB2	17	1.0
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB3	17	1.0
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	18	1.0
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	18	1.0
(1,435)	1:491:A:ILE:HD11	1:529:A:SER:H	4	1.0
(1,435)	1:491:A:ILE:HD12	1:529:A:SER:H	4	1.0
(1,435)	1:491:A:ILE:HD13	1:529:A:SER:H	4	1.0
(1,435)	1:491:A:ILE:HD11	1:529:A:SER:H	20	1.0
(1,435)	1:491:A:ILE:HD12	1:529:A:SER:H	20	1.0
(1,435)	1:491:A:ILE:HD13	1:529:A:SER:H	20	1.0
(1,352)	1:542:A:LEU:HA	1:545:A:PHE:H	16	1.0
(1,1152)	1:558:A:GLN:HG2	1:559:A:LEU:H	19	0.99
(1,1152)	1:558:A:GLN:HG3	1:559:A:LEU:H	19	0.99
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD11	13	0.99
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD12	13	0.99
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD13	13	0.99
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD21	13	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD22	13	0.99
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD23	13	0.99
(1,1079)	1:523:A:LYS:HE2	1:524:A:LEU:H	12	0.99
(1,1079)	1:523:A:LYS:HE3	1:524:A:LEU:H	12	0.99
(1,1079)	1:523:A:LYS:HE2	1:524:A:LEU:H	14	0.99
(1,1079)	1:523:A:LYS:HE3	1:524:A:LEU:H	14	0.99
(1,919)	1:549:A:ARG:HB2	1:554:A:PRO:HA	19	0.99
(1,909)	1:542:A:LEU:HG	1:543:A:GLN:HA	18	0.99
(1,848)	1:549:A:ARG:HB3	1:554:A:PRO:HG3	5	0.99
(1,833)	1:557:A:MET:HB3	1:558:A:GLN:HA	2	0.99
(1,833)	1:557:A:MET:HB3	1:558:A:GLN:HA	4	0.99
(1,833)	1:557:A:MET:HB3	1:558:A:GLN:HA	5	0.99
(1,833)	1:557:A:MET:HB3	1:558:A:GLN:HA	9	0.99
(1,833)	1:557:A:MET:HB3	1:558:A:GLN:HA	13	0.99
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB1	2	0.99
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB2	2	0.99
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB3	2	0.99
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB1	6	0.99
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB2	6	0.99
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB3	6	0.99
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG21	17	0.99
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG22	17	0.99
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG23	17	0.99
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG21	17	0.99
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG22	17	0.99
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG23	17	0.99
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG21	17	0.99
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG22	17	0.99
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG23	17	0.99
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD2	13	0.99
(1,656)	1:485:A:ASP:HB3	1:535:A:LYS:HD3	13	0.99
(1,364)	1:542:A:LEU:HB3	1:543:A:GLN:H	15	0.99
(1,352)	1:542:A:LEU:HA	1:545:A:PHE:H	11	0.99
(1,304)	1:538:A:PRO:HB2	1:542:A:LEU:H	6	0.99
(1,189)	1:490:A:ARG:H	1:557:A:MET:HB3	4	0.99
(1,144)	1:523:A:LYS:HE2	1:524:A:LEU:H	20	0.99
(1,144)	1:523:A:LYS:HE3	1:524:A:LEU:H	20	0.99
(1,76)	1:487:A:GLN:H	1:563:A:ALA:H	4	0.99
(1,34)	1:531:A:ILE:HB	1:532:A:GLU:H	1	0.99
(1,34)	1:531:A:ILE:HB	1:532:A:GLU:H	2	0.99
(1,34)	1:531:A:ILE:HB	1:532:A:GLU:H	5	0.99
(1,34)	1:531:A:ILE:HB	1:532:A:GLU:H	9	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,34)	1:531:A:ILE:HB	1:532:A:GLU:H	12	0.99
(1,34)	1:531:A:ILE:HB	1:532:A:GLU:H	16	0.99
(1,919)	1:549:A:ARG:HB2	1:554:A:PRO:HA	4	0.98
(1,919)	1:549:A:ARG:HB2	1:554:A:PRO:HA	5	0.98
(1,919)	1:549:A:ARG:HB2	1:554:A:PRO:HA	10	0.98
(1,919)	1:549:A:ARG:HB2	1:554:A:PRO:HA	18	0.98
(1,848)	1:549:A:ARG:HB3	1:554:A:PRO:HG3	12	0.98
(1,778)	1:531:A:ILE:HD11	1:533:A:LEU:HG	5	0.98
(1,778)	1:531:A:ILE:HD12	1:533:A:LEU:HG	5	0.98
(1,778)	1:531:A:ILE:HD13	1:533:A:LEU:HG	5	0.98
(1,778)	1:531:A:ILE:HD11	1:533:A:LEU:HG	8	0.98
(1,778)	1:531:A:ILE:HD12	1:533:A:LEU:HG	8	0.98
(1,778)	1:531:A:ILE:HD13	1:533:A:LEU:HG	8	0.98
(1,189)	1:490:A:ARG:H	1:557:A:MET:HB3	9	0.98
(1,125)	1:535:A:LYS:H	1:535:A:LYS:HB3	1	0.98
(1,125)	1:535:A:LYS:H	1:535:A:LYS:HB3	2	0.98
(1,125)	1:535:A:LYS:H	1:535:A:LYS:HB3	3	0.98
(1,125)	1:535:A:LYS:H	1:535:A:LYS:HB3	4	0.98
(1,125)	1:535:A:LYS:H	1:535:A:LYS:HB3	5	0.98
(1,125)	1:535:A:LYS:H	1:535:A:LYS:HB3	6	0.98
(1,125)	1:535:A:LYS:H	1:535:A:LYS:HB3	7	0.98
(1,125)	1:535:A:LYS:H	1:535:A:LYS:HB3	8	0.98
(1,125)	1:535:A:LYS:H	1:535:A:LYS:HB3	9	0.98
(1,125)	1:535:A:LYS:H	1:535:A:LYS:HB3	10	0.98
(1,125)	1:535:A:LYS:H	1:535:A:LYS:HB3	11	0.98
(1,125)	1:535:A:LYS:H	1:535:A:LYS:HB3	13	0.98
(1,125)	1:535:A:LYS:H	1:535:A:LYS:HB3	14	0.98
(1,125)	1:535:A:LYS:H	1:535:A:LYS:HB3	15	0.98
(1,125)	1:535:A:LYS:H	1:535:A:LYS:HB3	16	0.98
(1,125)	1:535:A:LYS:H	1:535:A:LYS:HB3	17	0.98
(1,125)	1:535:A:LYS:H	1:535:A:LYS:HB3	19	0.98
(1,125)	1:535:A:LYS:H	1:535:A:LYS:HB3	20	0.98
(1,109)	1:534:A:PRO:HA	1:535:A:LYS:H	1	0.98
(1,102)	1:535:A:LYS:H	1:537:A:MET:H	11	0.98
(1,34)	1:531:A:ILE:HB	1:532:A:GLU:H	4	0.98
(1,34)	1:531:A:ILE:HB	1:532:A:GLU:H	7	0.98
(1,34)	1:531:A:ILE:HB	1:532:A:GLU:H	10	0.98
(1,34)	1:531:A:ILE:HB	1:532:A:GLU:H	11	0.98
(1,34)	1:531:A:ILE:HB	1:532:A:GLU:H	13	0.98
(1,34)	1:531:A:ILE:HB	1:532:A:GLU:H	15	0.98
(1,34)	1:531:A:ILE:HB	1:532:A:GLU:H	19	0.98
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD11	4	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD12	4	0.97
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD13	4	0.97
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD21	4	0.97
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD22	4	0.97
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD23	4	0.97
(1,924)	1:539:A:GLY:HA3	1:542:A:LEU:HB3	11	0.97
(1,919)	1:549:A:ARG:HB2	1:554:A:PRO:HA	6	0.97
(1,919)	1:549:A:ARG:HB2	1:554:A:PRO:HA	20	0.97
(1,909)	1:542:A:LEU:HG	1:543:A:GLN:HA	17	0.97
(1,848)	1:549:A:ARG:HB3	1:554:A:PRO:HG3	20	0.97
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB1	4	0.97
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB2	4	0.97
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB3	4	0.97
(1,364)	1:542:A:LEU:HB3	1:543:A:GLN:H	18	0.97
(1,352)	1:542:A:LEU:HA	1:545:A:PHE:H	17	0.97
(1,144)	1:523:A:LYS:HE2	1:524:A:LEU:H	8	0.97
(1,144)	1:523:A:LYS:HE3	1:524:A:LEU:H	8	0.97
(1,125)	1:535:A:LYS:H	1:535:A:LYS:HB3	12	0.97
(1,125)	1:535:A:LYS:H	1:535:A:LYS:HB3	18	0.97
(1,113)	1:525:A:PHE:H	1:529:A:SER:HB2	14	0.97
(1,109)	1:534:A:PRO:HA	1:535:A:LYS:H	2	0.97
(1,109)	1:534:A:PRO:HA	1:535:A:LYS:H	3	0.97
(1,109)	1:534:A:PRO:HA	1:535:A:LYS:H	4	0.97
(1,109)	1:534:A:PRO:HA	1:535:A:LYS:H	5	0.97
(1,109)	1:534:A:PRO:HA	1:535:A:LYS:H	7	0.97
(1,109)	1:534:A:PRO:HA	1:535:A:LYS:H	9	0.97
(1,109)	1:534:A:PRO:HA	1:535:A:LYS:H	10	0.97
(1,109)	1:534:A:PRO:HA	1:535:A:LYS:H	11	0.97
(1,109)	1:534:A:PRO:HA	1:535:A:LYS:H	12	0.97
(1,109)	1:534:A:PRO:HA	1:535:A:LYS:H	13	0.97
(1,109)	1:534:A:PRO:HA	1:535:A:LYS:H	14	0.97
(1,109)	1:534:A:PRO:HA	1:535:A:LYS:H	15	0.97
(1,109)	1:534:A:PRO:HA	1:535:A:LYS:H	16	0.97
(1,109)	1:534:A:PRO:HA	1:535:A:LYS:H	17	0.97
(1,109)	1:534:A:PRO:HA	1:535:A:LYS:H	18	0.97
(1,109)	1:534:A:PRO:HA	1:535:A:LYS:H	19	0.97
(1,109)	1:534:A:PRO:HA	1:535:A:LYS:H	20	0.97
(1,76)	1:487:A:GLN:H	1:563:A:ALA:H	7	0.97
(1,76)	1:487:A:GLN:H	1:563:A:ALA:H	13	0.97
(1,76)	1:487:A:GLN:H	1:563:A:ALA:H	15	0.97
(1,1152)	1:558:A:GLN:HG2	1:559:A:LEU:H	8	0.96
(1,1152)	1:558:A:GLN:HG3	1:559:A:LEU:H	8	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD11	18	0.96
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD12	18	0.96
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD13	18	0.96
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD21	18	0.96
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD22	18	0.96
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD23	18	0.96
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB2	19	0.96
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB3	19	0.96
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB2	19	0.96
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB3	19	0.96
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD11	7	0.96
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD12	7	0.96
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD13	7	0.96
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD21	7	0.96
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD22	7	0.96
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD23	7	0.96
(1,919)	1:549:A:ARG:HB2	1:554:A:PRO:HA	12	0.96
(1,909)	1:542:A:LEU:HG	1:543:A:GLN:HA	7	0.96
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB1	10	0.96
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB2	10	0.96
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB3	10	0.96
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG21	20	0.96
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG22	20	0.96
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG23	20	0.96
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG21	11	0.96
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG22	11	0.96
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG23	11	0.96
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG21	11	0.96
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG22	11	0.96
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG23	11	0.96
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG21	11	0.96
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG22	11	0.96
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG23	11	0.96
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG21	18	0.96
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG22	18	0.96
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG23	18	0.96
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG21	18	0.96
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG22	18	0.96
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG23	18	0.96
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG21	18	0.96
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG22	18	0.96
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG23	18	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:491:A:ILE:HG21	1:557:A:MET:H	18	0.96
(1,358)	1:491:A:ILE:HG22	1:557:A:MET:H	18	0.96
(1,358)	1:491:A:ILE:HG23	1:557:A:MET:H	18	0.96
(1,109)	1:534:A:PRO:HA	1:535:A:LYS:H	6	0.96
(1,109)	1:534:A:PRO:HA	1:535:A:LYS:H	8	0.96
(1,102)	1:535:A:LYS:H	1:537:A:MET:H	19	0.96
(1,34)	1:531:A:ILE:HB	1:532:A:GLU:H	18	0.96
(1,1152)	1:558:A:GLN:HG2	1:559:A:LEU:H	18	0.95
(1,1152)	1:558:A:GLN:HG3	1:559:A:LEU:H	18	0.95
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB2	15	0.95
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB3	15	0.95
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB2	15	0.95
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB3	15	0.95
(1,919)	1:549:A:ARG:HB2	1:554:A:PRO:HA	2	0.95
(1,919)	1:549:A:ARG:HB2	1:554:A:PRO:HA	7	0.95
(1,919)	1:549:A:ARG:HB2	1:554:A:PRO:HA	17	0.95
(1,909)	1:542:A:LEU:HG	1:543:A:GLN:HA	11	0.95
(1,909)	1:542:A:LEU:HG	1:543:A:GLN:HA	15	0.95
(1,833)	1:557:A:MET:HB3	1:558:A:GLN:HA	16	0.95
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB1	7	0.95
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB2	7	0.95
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB3	7	0.95
(1,76)	1:487:A:GLN:H	1:563:A:ALA:H	19	0.95
(1,1152)	1:558:A:GLN:HG2	1:559:A:LEU:H	1	0.94
(1,1152)	1:558:A:GLN:HG3	1:559:A:LEU:H	1	0.94
(1,924)	1:539:A:GLY:HA3	1:542:A:LEU:HB3	20	0.94
(1,919)	1:549:A:ARG:HB2	1:554:A:PRO:HA	11	0.94
(1,833)	1:557:A:MET:HB3	1:558:A:GLN:HA	15	0.94
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB1	19	0.94
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB2	19	0.94
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB3	19	0.94
(1,435)	1:491:A:ILE:HD11	1:529:A:SER:H	10	0.94
(1,435)	1:491:A:ILE:HD12	1:529:A:SER:H	10	0.94
(1,435)	1:491:A:ILE:HD13	1:529:A:SER:H	10	0.94
(1,355)	1:555:A:MET:HB3	1:557:A:MET:H	14	0.94
(1,355)	1:555:A:MET:HB3	1:557:A:MET:H	19	0.94
(1,304)	1:538:A:PRO:HB2	1:542:A:LEU:H	10	0.94
(1,303)	1:491:A:ILE:H	1:528:A:HIS:HB3	18	0.94
(1,189)	1:490:A:ARG:H	1:557:A:MET:HB3	18	0.94
(1,1152)	1:558:A:GLN:HG2	1:559:A:LEU:H	16	0.93
(1,1152)	1:558:A:GLN:HG3	1:559:A:LEU:H	16	0.93
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB2	13	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB3	13	0.93
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB2	13	0.93
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB3	13	0.93
(1,919)	1:549:A:ARG:HB2	1:554:A:PRO:HA	1	0.93
(1,919)	1:549:A:ARG:HB2	1:554:A:PRO:HA	3	0.93
(1,919)	1:549:A:ARG:HB2	1:554:A:PRO:HA	13	0.93
(1,909)	1:542:A:LEU:HG	1:543:A:GLN:HA	9	0.93
(1,909)	1:542:A:LEU:HG	1:543:A:GLN:HA	13	0.93
(1,909)	1:542:A:LEU:HG	1:543:A:GLN:HA	20	0.93
(1,443)	1:484:A:GLY:H	1:538:A:PRO:HD3	5	0.93
(1,102)	1:535:A:LYS:H	1:537:A:MET:H	12	0.93
(1,848)	1:549:A:ARG:HB3	1:554:A:PRO:HG3	1	0.92
(1,778)	1:531:A:ILE:HD11	1:533:A:LEU:HG	6	0.92
(1,778)	1:531:A:ILE:HD12	1:533:A:LEU:HG	6	0.92
(1,778)	1:531:A:ILE:HD13	1:533:A:LEU:HG	6	0.92
(1,778)	1:531:A:ILE:HD11	1:533:A:LEU:HG	9	0.92
(1,778)	1:531:A:ILE:HD12	1:533:A:LEU:HG	9	0.92
(1,778)	1:531:A:ILE:HD13	1:533:A:LEU:HG	9	0.92
(1,358)	1:491:A:ILE:HG21	1:557:A:MET:H	4	0.92
(1,358)	1:491:A:ILE:HG22	1:557:A:MET:H	4	0.92
(1,358)	1:491:A:ILE:HG23	1:557:A:MET:H	4	0.92
(1,102)	1:535:A:LYS:H	1:537:A:MET:H	3	0.92
(1,102)	1:535:A:LYS:H	1:537:A:MET:H	15	0.92
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD11	10	0.91
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD12	10	0.91
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD13	10	0.91
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD21	10	0.91
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD22	10	0.91
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD23	10	0.91
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB2	4	0.91
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB3	4	0.91
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB2	4	0.91
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB3	4	0.91
(1,909)	1:542:A:LEU:HG	1:543:A:GLN:HA	2	0.91
(1,909)	1:542:A:LEU:HG	1:543:A:GLN:HA	4	0.91
(1,832)	1:490:A:ARG:HB2	1:557:A:MET:HB3	15	0.91
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB1	14	0.91
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB2	14	0.91
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB3	14	0.91
(1,778)	1:531:A:ILE:HD11	1:533:A:LEU:HG	16	0.91
(1,778)	1:531:A:ILE:HD12	1:533:A:LEU:HG	16	0.91
(1,778)	1:531:A:ILE:HD13	1:533:A:LEU:HG	16	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,775)	1:523:A:LYS:HG3	1:525:A:PHE:HA	2	0.91
(1,351)	1:492:A:GLU:H	1:557:A:MET:H	18	0.91
(1,304)	1:538:A:PRO:HB2	1:542:A:LEU:H	3	0.91
(1,189)	1:490:A:ARG:H	1:557:A:MET:HB3	19	0.91
(1,144)	1:523:A:LYS:HE2	1:524:A:LEU:H	4	0.91
(1,144)	1:523:A:LYS:HE3	1:524:A:LEU:H	4	0.91
(1,102)	1:535:A:LYS:H	1:537:A:MET:H	1	0.91
(1,102)	1:535:A:LYS:H	1:537:A:MET:H	6	0.91
(1,1152)	1:558:A:GLN:HG2	1:559:A:LEU:H	7	0.9
(1,1152)	1:558:A:GLN:HG3	1:559:A:LEU:H	7	0.9
(1,924)	1:539:A:GLY:HA3	1:542:A:LEU:HB3	12	0.9
(1,909)	1:542:A:LEU:HG	1:543:A:GLN:HA	8	0.9
(1,909)	1:542:A:LEU:HG	1:543:A:GLN:HA	14	0.9
(1,813)	1:522:A:ILE:HD11	1:523:A:LYS:HA	4	0.9
(1,813)	1:522:A:ILE:HD12	1:523:A:LYS:HA	4	0.9
(1,813)	1:522:A:ILE:HD13	1:523:A:LYS:HA	4	0.9
(1,778)	1:531:A:ILE:HD11	1:533:A:LEU:HG	2	0.9
(1,778)	1:531:A:ILE:HD12	1:533:A:LEU:HG	2	0.9
(1,778)	1:531:A:ILE:HD13	1:533:A:LEU:HG	2	0.9
(1,778)	1:531:A:ILE:HD11	1:533:A:LEU:HG	12	0.9
(1,778)	1:531:A:ILE:HD12	1:533:A:LEU:HG	12	0.9
(1,778)	1:531:A:ILE:HD13	1:533:A:LEU:HG	12	0.9
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG21	2	0.9
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG22	2	0.9
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG23	2	0.9
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG21	2	0.9
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG22	2	0.9
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG23	2	0.9
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG21	2	0.9
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG22	2	0.9
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG23	2	0.9
(1,352)	1:542:A:LEU:HA	1:545:A:PHE:H	19	0.9
(1,189)	1:490:A:ARG:H	1:557:A:MET:HB3	5	0.9
(1,144)	1:523:A:LYS:HE2	1:524:A:LEU:H	16	0.9
(1,144)	1:523:A:LYS:HE3	1:524:A:LEU:H	16	0.9
(1,102)	1:535:A:LYS:H	1:537:A:MET:H	20	0.9
(1,1152)	1:558:A:GLN:HG2	1:559:A:LEU:H	15	0.89
(1,1152)	1:558:A:GLN:HG3	1:559:A:LEU:H	15	0.89
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD11	5	0.89
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD12	5	0.89
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD13	5	0.89
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD21	5	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD22	5	0.89
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD23	5	0.89
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD11	9	0.89
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD12	9	0.89
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD13	9	0.89
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD21	9	0.89
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD22	9	0.89
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD23	9	0.89
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD11	14	0.89
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD12	14	0.89
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD13	14	0.89
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD21	14	0.89
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD22	14	0.89
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD23	14	0.89
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB2	2	0.89
(1,1113)	1:542:A:LEU:HB2	1:545:A:PHE:HB3	2	0.89
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB2	2	0.89
(1,1113)	1:542:A:LEU:HB3	1:545:A:PHE:HB3	2	0.89
(1,924)	1:539:A:GLY:HA3	1:542:A:LEU:HB3	9	0.89
(1,832)	1:490:A:ARG:HB2	1:557:A:MET:HB3	16	0.89
(1,813)	1:522:A:ILE:HD11	1:523:A:LYS:HA	12	0.89
(1,813)	1:522:A:ILE:HD12	1:523:A:LYS:HA	12	0.89
(1,813)	1:522:A:ILE:HD13	1:523:A:LYS:HA	12	0.89
(1,813)	1:522:A:ILE:HD11	1:523:A:LYS:HA	13	0.89
(1,813)	1:522:A:ILE:HD12	1:523:A:LYS:HA	13	0.89
(1,813)	1:522:A:ILE:HD13	1:523:A:LYS:HA	13	0.89
(1,813)	1:522:A:ILE:HD11	1:523:A:LYS:HA	14	0.89
(1,813)	1:522:A:ILE:HD12	1:523:A:LYS:HA	14	0.89
(1,813)	1:522:A:ILE:HD13	1:523:A:LYS:HA	14	0.89
(1,778)	1:531:A:ILE:HD11	1:533:A:LEU:HG	10	0.89
(1,778)	1:531:A:ILE:HD12	1:533:A:LEU:HG	10	0.89
(1,778)	1:531:A:ILE:HD13	1:533:A:LEU:HG	10	0.89
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG21	12	0.89
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG22	12	0.89
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG23	12	0.89
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG21	12	0.89
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG22	12	0.89
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG23	12	0.89
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG21	12	0.89
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG22	12	0.89
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG23	12	0.89
(1,358)	1:491:A:ILE:HG21	1:557:A:MET:H	5	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:491:A:ILE:HG22	1:557:A:MET:H	5	0.89
(1,358)	1:491:A:ILE:HG23	1:557:A:MET:H	5	0.89
(1,358)	1:491:A:ILE:HG21	1:557:A:MET:H	12	0.89
(1,358)	1:491:A:ILE:HG22	1:557:A:MET:H	12	0.89
(1,358)	1:491:A:ILE:HG23	1:557:A:MET:H	12	0.89
(1,189)	1:490:A:ARG:H	1:557:A:MET:HB3	10	0.89
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD11	2	0.88
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD12	2	0.88
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD13	2	0.88
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD21	2	0.88
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD22	2	0.88
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD23	2	0.88
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD11	17	0.88
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD12	17	0.88
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD13	17	0.88
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD21	17	0.88
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD22	17	0.88
(1,1151)	1:558:A:GLN:HB2	1:559:A:LEU:HD23	17	0.88
(1,924)	1:539:A:GLY:HA3	1:542:A:LEU:HB3	7	0.88
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD11	17	0.88
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD12	17	0.88
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD13	17	0.88
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD11	17	0.88
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD12	17	0.88
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD13	17	0.88
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD11	17	0.88
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD12	17	0.88
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD13	17	0.88
(1,813)	1:522:A:ILE:HD11	1:523:A:LYS:HA	15	0.88
(1,813)	1:522:A:ILE:HD12	1:523:A:LYS:HA	15	0.88
(1,813)	1:522:A:ILE:HD13	1:523:A:LYS:HA	15	0.88
(1,813)	1:522:A:ILE:HD11	1:523:A:LYS:HA	16	0.88
(1,813)	1:522:A:ILE:HD12	1:523:A:LYS:HA	16	0.88
(1,813)	1:522:A:ILE:HD13	1:523:A:LYS:HA	16	0.88
(1,813)	1:522:A:ILE:HD11	1:523:A:LYS:HA	17	0.88
(1,813)	1:522:A:ILE:HD12	1:523:A:LYS:HA	17	0.88
(1,813)	1:522:A:ILE:HD13	1:523:A:LYS:HA	17	0.88
(1,778)	1:531:A:ILE:HD11	1:533:A:LEU:HG	17	0.88
(1,778)	1:531:A:ILE:HD12	1:533:A:LEU:HG	17	0.88
(1,778)	1:531:A:ILE:HD13	1:533:A:LEU:HG	17	0.88
(1,775)	1:523:A:LYS:HG3	1:525:A:PHE:HA	8	0.88
(1,443)	1:484:A:GLY:H	1:538:A:PRO:HD3	9	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,443)	1:484:A:GLY:H	1:538:A:PRO:HD3	17	0.88
(1,354)	1:556:A:ASN:HB3	1:557:A:MET:H	15	0.88
(1,354)	1:556:A:ASN:HB2	1:557:A:MET:H	15	0.88
(1,189)	1:490:A:ARG:H	1:557:A:MET:HB3	2	0.88
(1,144)	1:523:A:LYS:HE2	1:524:A:LEU:H	2	0.88
(1,144)	1:523:A:LYS:HE3	1:524:A:LEU:H	2	0.88
(1,102)	1:535:A:LYS:H	1:537:A:MET:H	10	0.88
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD11	12	0.87
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD12	12	0.87
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD13	12	0.87
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD21	12	0.87
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD22	12	0.87
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD23	12	0.87
(1,909)	1:542:A:LEU:HG	1:543:A:GLN:HA	6	0.87
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB1	3	0.87
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB2	3	0.87
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB3	3	0.87
(1,813)	1:522:A:ILE:HD11	1:523:A:LYS:HA	3	0.87
(1,813)	1:522:A:ILE:HD12	1:523:A:LYS:HA	3	0.87
(1,813)	1:522:A:ILE:HD13	1:523:A:LYS:HA	3	0.87
(1,813)	1:522:A:ILE:HD11	1:523:A:LYS:HA	6	0.87
(1,813)	1:522:A:ILE:HD12	1:523:A:LYS:HA	6	0.87
(1,813)	1:522:A:ILE:HD13	1:523:A:LYS:HA	6	0.87
(1,813)	1:522:A:ILE:HD11	1:523:A:LYS:HA	10	0.87
(1,813)	1:522:A:ILE:HD12	1:523:A:LYS:HA	10	0.87
(1,813)	1:522:A:ILE:HD13	1:523:A:LYS:HA	10	0.87
(1,813)	1:522:A:ILE:HD11	1:523:A:LYS:HA	20	0.87
(1,813)	1:522:A:ILE:HD12	1:523:A:LYS:HA	20	0.87
(1,813)	1:522:A:ILE:HD13	1:523:A:LYS:HA	20	0.87
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG21	16	0.87
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG22	16	0.87
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG23	16	0.87
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG21	15	0.87
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG22	15	0.87
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG23	15	0.87
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG21	15	0.87
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG22	15	0.87
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG23	15	0.87
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG21	15	0.87
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG22	15	0.87
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG23	15	0.87
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG21	20	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG22	20	0.87
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG23	20	0.87
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG21	20	0.87
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG22	20	0.87
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG23	20	0.87
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG21	20	0.87
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG22	20	0.87
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG23	20	0.87
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG2	7	0.87
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG3	7	0.87
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG2	12	0.87
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG3	12	0.87
(1,443)	1:484:A:GLY:H	1:538:A:PRO:HD3	16	0.87
(1,354)	1:556:A:ASN:HB3	1:557:A:MET:H	4	0.87
(1,354)	1:556:A:ASN:HB2	1:557:A:MET:H	4	0.87
(1,354)	1:556:A:ASN:HB3	1:557:A:MET:H	12	0.87
(1,354)	1:556:A:ASN:HB2	1:557:A:MET:H	12	0.87
(1,354)	1:556:A:ASN:HB3	1:557:A:MET:H	16	0.87
(1,354)	1:556:A:ASN:HB2	1:557:A:MET:H	16	0.87
(1,354)	1:556:A:ASN:HB3	1:557:A:MET:H	20	0.87
(1,354)	1:556:A:ASN:HB2	1:557:A:MET:H	20	0.87
(1,189)	1:490:A:ARG:H	1:557:A:MET:HB3	13	0.87
(1,189)	1:490:A:ARG:H	1:557:A:MET:HB3	14	0.87
(1,102)	1:535:A:LYS:H	1:537:A:MET:H	8	0.87
(1,924)	1:539:A:GLY:HA3	1:542:A:LEU:HB3	17	0.86
(1,813)	1:522:A:ILE:HD11	1:523:A:LYS:HA	1	0.86
(1,813)	1:522:A:ILE:HD12	1:523:A:LYS:HA	1	0.86
(1,813)	1:522:A:ILE:HD13	1:523:A:LYS:HA	1	0.86
(1,813)	1:522:A:ILE:HD11	1:523:A:LYS:HA	8	0.86
(1,813)	1:522:A:ILE:HD12	1:523:A:LYS:HA	8	0.86
(1,813)	1:522:A:ILE:HD13	1:523:A:LYS:HA	8	0.86
(1,778)	1:531:A:ILE:HD11	1:533:A:LEU:HG	18	0.86
(1,778)	1:531:A:ILE:HD12	1:533:A:LEU:HG	18	0.86
(1,778)	1:531:A:ILE:HD13	1:533:A:LEU:HG	18	0.86
(1,775)	1:523:A:LYS:HG3	1:525:A:PHE:HA	13	0.86
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG21	3	0.86
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG22	3	0.86
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG23	3	0.86
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG21	3	0.86
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG22	3	0.86
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG23	3	0.86
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG21	3	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG22	3	0.86
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG23	3	0.86
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG21	4	0.86
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG22	4	0.86
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG23	4	0.86
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG21	4	0.86
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG22	4	0.86
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG23	4	0.86
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG21	4	0.86
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG22	4	0.86
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG23	4	0.86
(1,443)	1:484:A:GLY:H	1:538:A:PRO:HD3	3	0.86
(1,443)	1:484:A:GLY:H	1:538:A:PRO:HD3	6	0.86
(1,443)	1:484:A:GLY:H	1:538:A:PRO:HD3	7	0.86
(1,443)	1:484:A:GLY:H	1:538:A:PRO:HD3	10	0.86
(1,443)	1:484:A:GLY:H	1:538:A:PRO:HD3	13	0.86
(1,354)	1:556:A:ASN:HB3	1:557:A:MET:H	1	0.86
(1,354)	1:556:A:ASN:HB2	1:557:A:MET:H	1	0.86
(1,354)	1:556:A:ASN:HB3	1:557:A:MET:H	5	0.86
(1,354)	1:556:A:ASN:HB2	1:557:A:MET:H	5	0.86
(1,354)	1:556:A:ASN:HB3	1:557:A:MET:H	6	0.86
(1,354)	1:556:A:ASN:HB2	1:557:A:MET:H	6	0.86
(1,354)	1:556:A:ASN:HB3	1:557:A:MET:H	18	0.86
(1,354)	1:556:A:ASN:HB2	1:557:A:MET:H	18	0.86
(1,351)	1:492:A:GLU:H	1:557:A:MET:H	6	0.86
(1,306)	1:542:A:LEU:HB3	1:544:A:HIS:H	14	0.86
(1,144)	1:523:A:LYS:HE2	1:524:A:LEU:H	10	0.86
(1,144)	1:523:A:LYS:HE3	1:524:A:LEU:H	10	0.86
(1,102)	1:535:A:LYS:H	1:537:A:MET:H	2	0.86
(1,102)	1:535:A:LYS:H	1:537:A:MET:H	17	0.86
(1,1152)	1:558:A:GLN:HG2	1:559:A:LEU:H	6	0.85
(1,1152)	1:558:A:GLN:HG3	1:559:A:LEU:H	6	0.85
(1,909)	1:542:A:LEU:HG	1:543:A:GLN:HA	19	0.85
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD11	14	0.85
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD12	14	0.85
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD13	14	0.85
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD11	14	0.85
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD12	14	0.85
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD13	14	0.85
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD11	14	0.85
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD12	14	0.85
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD13	14	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,813)	1:522:A:ILE:HD11	1:523:A:LYS:HA	2	0.85
(1,813)	1:522:A:ILE:HD12	1:523:A:LYS:HA	2	0.85
(1,813)	1:522:A:ILE:HD13	1:523:A:LYS:HA	2	0.85
(1,813)	1:522:A:ILE:HD11	1:523:A:LYS:HA	9	0.85
(1,813)	1:522:A:ILE:HD12	1:523:A:LYS:HA	9	0.85
(1,813)	1:522:A:ILE:HD13	1:523:A:LYS:HA	9	0.85
(1,813)	1:522:A:ILE:HD11	1:523:A:LYS:HA	11	0.85
(1,813)	1:522:A:ILE:HD12	1:523:A:LYS:HA	11	0.85
(1,813)	1:522:A:ILE:HD13	1:523:A:LYS:HA	11	0.85
(1,813)	1:522:A:ILE:HD11	1:523:A:LYS:HA	19	0.85
(1,813)	1:522:A:ILE:HD12	1:523:A:LYS:HA	19	0.85
(1,813)	1:522:A:ILE:HD13	1:523:A:LYS:HA	19	0.85
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG21	18	0.85
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG22	18	0.85
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG23	18	0.85
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG21	6	0.85
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG22	6	0.85
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG23	6	0.85
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG21	6	0.85
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG22	6	0.85
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG23	6	0.85
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG21	6	0.85
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG22	6	0.85
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG23	6	0.85
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG21	13	0.85
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG22	13	0.85
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG23	13	0.85
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG21	13	0.85
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG22	13	0.85
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG23	13	0.85
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG21	13	0.85
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG22	13	0.85
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG23	13	0.85
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG21	16	0.85
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG22	16	0.85
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG23	16	0.85
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG21	16	0.85
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG22	16	0.85
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG23	16	0.85
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG21	16	0.85
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG22	16	0.85
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG23	16	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:491:A:ILE:HA	1:556:A:ASN:HB3	19	0.85
(1,443)	1:484:A:GLY:H	1:538:A:PRO:HD3	2	0.85
(1,443)	1:484:A:GLY:H	1:538:A:PRO:HD3	14	0.85
(1,354)	1:556:A:ASN:HB3	1:557:A:MET:H	9	0.85
(1,354)	1:556:A:ASN:HB2	1:557:A:MET:H	9	0.85
(1,351)	1:492:A:GLU:H	1:557:A:MET:H	20	0.85
(1,306)	1:542:A:LEU:HB3	1:544:A:HIS:H	2	0.85
(1,306)	1:542:A:LEU:HB3	1:544:A:HIS:H	4	0.85
(1,306)	1:542:A:LEU:HB3	1:544:A:HIS:H	8	0.85
(1,102)	1:535:A:LYS:H	1:537:A:MET:H	13	0.85
(1,102)	1:535:A:LYS:H	1:537:A:MET:H	18	0.85
(1,904)	1:533:A:LEU:HD21	1:534:A:PRO:HD3	18	0.84
(1,904)	1:533:A:LEU:HD22	1:534:A:PRO:HD3	18	0.84
(1,904)	1:533:A:LEU:HD23	1:534:A:PRO:HD3	18	0.84
(1,848)	1:549:A:ARG:HB3	1:554:A:PRO:HG3	15	0.84
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG21	5	0.84
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG22	5	0.84
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG23	5	0.84
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG21	5	0.84
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG22	5	0.84
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG23	5	0.84
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG21	5	0.84
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG22	5	0.84
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG23	5	0.84
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG2	1	0.84
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG3	1	0.84
(1,443)	1:484:A:GLY:H	1:538:A:PRO:HD3	8	0.84
(1,443)	1:484:A:GLY:H	1:538:A:PRO:HD3	20	0.84
(1,358)	1:491:A:ILE:HG21	1:557:A:MET:H	9	0.84
(1,358)	1:491:A:ILE:HG22	1:557:A:MET:H	9	0.84
(1,358)	1:491:A:ILE:HG23	1:557:A:MET:H	9	0.84
(1,358)	1:491:A:ILE:HG21	1:557:A:MET:H	20	0.84
(1,358)	1:491:A:ILE:HG22	1:557:A:MET:H	20	0.84
(1,358)	1:491:A:ILE:HG23	1:557:A:MET:H	20	0.84
(1,354)	1:556:A:ASN:HB3	1:557:A:MET:H	7	0.84
(1,354)	1:556:A:ASN:HB2	1:557:A:MET:H	7	0.84
(1,354)	1:556:A:ASN:HB3	1:557:A:MET:H	8	0.84
(1,354)	1:556:A:ASN:HB2	1:557:A:MET:H	8	0.84
(1,102)	1:535:A:LYS:H	1:537:A:MET:H	4	0.84
(1,102)	1:535:A:LYS:H	1:537:A:MET:H	9	0.84
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG2	4	0.84
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG3	4	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1152)	1:558:A:GLN:HG2	1:559:A:LEU:H	12	0.83
(1,1152)	1:558:A:GLN:HG3	1:559:A:LEU:H	12	0.83
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG2	17	0.83
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG3	17	0.83
(1,909)	1:542:A:LEU:HG	1:543:A:GLN:HA	16	0.83
(1,813)	1:522:A:ILE:HD11	1:523:A:LYS:HA	7	0.83
(1,813)	1:522:A:ILE:HD12	1:523:A:LYS:HA	7	0.83
(1,813)	1:522:A:ILE:HD13	1:523:A:LYS:HA	7	0.83
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG21	2	0.83
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG22	2	0.83
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG23	2	0.83
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG21	1	0.83
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG22	1	0.83
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG23	1	0.83
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG21	1	0.83
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG22	1	0.83
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG23	1	0.83
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG21	1	0.83
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG22	1	0.83
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG23	1	0.83
(1,443)	1:484:A:GLY:H	1:538:A:PRO:HD3	4	0.83
(1,354)	1:556:A:ASN:HB3	1:557:A:MET:H	11	0.83
(1,354)	1:556:A:ASN:HB2	1:557:A:MET:H	11	0.83
(1,354)	1:556:A:ASN:HB3	1:557:A:MET:H	17	0.83
(1,354)	1:556:A:ASN:HB2	1:557:A:MET:H	17	0.83
(1,351)	1:492:A:GLU:H	1:557:A:MET:H	1	0.83
(1,306)	1:542:A:LEU:HB3	1:544:A:HIS:H	13	0.83
(1,102)	1:535:A:LYS:H	1:537:A:MET:H	14	0.83
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG2	4	0.82
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG3	4	0.82
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG2	11	0.82
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG3	11	0.82
(1,924)	1:539:A:GLY:HA3	1:542:A:LEU:HB3	1	0.82
(1,909)	1:542:A:LEU:HG	1:543:A:GLN:HA	3	0.82
(1,813)	1:522:A:ILE:HD11	1:523:A:LYS:HA	5	0.82
(1,813)	1:522:A:ILE:HD12	1:523:A:LYS:HA	5	0.82
(1,813)	1:522:A:ILE:HD13	1:523:A:LYS:HA	5	0.82
(1,775)	1:523:A:LYS:HG3	1:525:A:PHE:HA	16	0.82
(1,775)	1:523:A:LYS:HG3	1:525:A:PHE:HA	20	0.82
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG21	19	0.82
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG22	19	0.82
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG23	19	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG21	9	0.82
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG22	9	0.82
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG23	9	0.82
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG21	9	0.82
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG22	9	0.82
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG23	9	0.82
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG21	9	0.82
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG22	9	0.82
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG23	9	0.82
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD2	7	0.82
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD3	7	0.82
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD2	11	0.82
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD3	11	0.82
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD2	19	0.82
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD3	19	0.82
(1,443)	1:484:A:GLY:H	1:538:A:PRO:HD3	15	0.82
(1,354)	1:556:A:ASN:HB3	1:557:A:MET:H	2	0.82
(1,354)	1:556:A:ASN:HB2	1:557:A:MET:H	2	0.82
(1,354)	1:556:A:ASN:HB3	1:557:A:MET:H	13	0.82
(1,354)	1:556:A:ASN:HB2	1:557:A:MET:H	13	0.82
(1,351)	1:492:A:GLU:H	1:557:A:MET:H	8	0.82
(1,306)	1:542:A:LEU:HB3	1:544:A:HIS:H	15	0.82
(1,102)	1:535:A:LYS:H	1:537:A:MET:H	7	0.82
(1,102)	1:535:A:LYS:H	1:537:A:MET:H	16	0.82
(1,1161)	1:562:A:ASP:HB2	1:563:A:ALA:H	7	0.81
(1,1161)	1:562:A:ASP:HB3	1:563:A:ALA:H	7	0.81
(1,1079)	1:523:A:LYS:HE2	1:524:A:LEU:H	17	0.81
(1,1079)	1:523:A:LYS:HE3	1:524:A:LEU:H	17	0.81
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD11	17	0.81
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD12	17	0.81
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD13	17	0.81
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD21	17	0.81
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD22	17	0.81
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD23	17	0.81
(1,919)	1:549:A:ARG:HB2	1:554:A:PRO:HA	15	0.81
(1,813)	1:522:A:ILE:HD11	1:523:A:LYS:HA	18	0.81
(1,813)	1:522:A:ILE:HD12	1:523:A:LYS:HA	18	0.81
(1,813)	1:522:A:ILE:HD13	1:523:A:LYS:HA	18	0.81
(1,778)	1:531:A:ILE:HD11	1:533:A:LEU:HG	1	0.81
(1,778)	1:531:A:ILE:HD12	1:533:A:LEU:HG	1	0.81
(1,778)	1:531:A:ILE:HD13	1:533:A:LEU:HG	1	0.81
(1,775)	1:523:A:LYS:HG3	1:525:A:PHE:HA	17	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG21	8	0.81
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG22	8	0.81
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG23	8	0.81
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG21	8	0.81
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG22	8	0.81
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG23	8	0.81
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG21	8	0.81
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG22	8	0.81
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG23	8	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD2	1	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD3	1	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD2	2	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD3	2	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD2	3	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD3	3	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD2	4	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD3	4	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD2	5	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD3	5	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD2	6	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD3	6	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD2	8	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD3	8	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD2	9	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD3	9	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD2	10	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD3	10	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD2	13	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD3	13	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD2	14	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD3	14	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD2	15	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD3	15	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD2	16	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD3	16	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD2	17	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD3	17	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD2	18	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD3	18	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD2	20	0.81
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD3	20	0.81
(1,455)	1:535:A:LYS:HG2	1:536:A:GLY:H	2	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:491:A:ILE:HG21	1:557:A:MET:H	1	0.81
(1,358)	1:491:A:ILE:HG22	1:557:A:MET:H	1	0.81
(1,358)	1:491:A:ILE:HG23	1:557:A:MET:H	1	0.81
(1,354)	1:556:A:ASN:HB3	1:557:A:MET:H	3	0.81
(1,354)	1:556:A:ASN:HB2	1:557:A:MET:H	3	0.81
(1,354)	1:556:A:ASN:HB3	1:557:A:MET:H	10	0.81
(1,354)	1:556:A:ASN:HB2	1:557:A:MET:H	10	0.81
(1,189)	1:490:A:ARG:H	1:557:A:MET:HB3	17	0.81
(1,144)	1:523:A:LYS:HE2	1:524:A:LEU:H	5	0.81
(1,144)	1:523:A:LYS:HE3	1:524:A:LEU:H	5	0.81
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG2	15	0.81
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG3	15	0.81
(1,1161)	1:562:A:ASP:HB2	1:563:A:ALA:H	4	0.8
(1,1161)	1:562:A:ASP:HB3	1:563:A:ALA:H	4	0.8
(1,924)	1:539:A:GLY:HA3	1:542:A:LEU:HB3	6	0.8
(1,909)	1:542:A:LEU:HG	1:543:A:GLN:HA	10	0.8
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD11	9	0.8
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD12	9	0.8
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD13	9	0.8
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD11	9	0.8
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD12	9	0.8
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD13	9	0.8
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD11	9	0.8
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD12	9	0.8
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD13	9	0.8
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB1	13	0.8
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB2	13	0.8
(1,820)	1:487:A:GLN:HA	1:563:A:ALA:HB3	13	0.8
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG21	5	0.8
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG22	5	0.8
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG23	5	0.8
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG21	10	0.8
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG22	10	0.8
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG23	10	0.8
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG2	4	0.8
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG3	4	0.8
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD2	12	0.8
(1,526)	1:537:A:MET:HB3	1:538:A:PRO:HD3	12	0.8
(1,455)	1:535:A:LYS:HG2	1:536:A:GLY:H	5	0.8
(1,358)	1:491:A:ILE:HG21	1:557:A:MET:H	6	0.8
(1,358)	1:491:A:ILE:HG22	1:557:A:MET:H	6	0.8
(1,358)	1:491:A:ILE:HG23	1:557:A:MET:H	6	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:556:A:ASN:HB3	1:557:A:MET:H	19	0.8
(1,354)	1:556:A:ASN:HB2	1:557:A:MET:H	19	0.8
(1,306)	1:542:A:LEU:HB3	1:544:A:HIS:H	18	0.8
(1,304)	1:538:A:PRO:HB2	1:542:A:LEU:H	2	0.8
(1,304)	1:538:A:PRO:HB2	1:542:A:LEU:H	9	0.8
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG2	11	0.8
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG3	11	0.8
(1,1161)	1:562:A:ASP:HB2	1:563:A:ALA:H	15	0.79
(1,1161)	1:562:A:ASP:HB3	1:563:A:ALA:H	15	0.79
(1,909)	1:542:A:LEU:HG	1:543:A:GLN:HA	1	0.79
(1,909)	1:542:A:LEU:HG	1:543:A:GLN:HA	5	0.79
(1,868)	1:485:A:ASP:HB3	1:535:A:LYS:HB3	17	0.79
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD11	13	0.79
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD12	13	0.79
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD13	13	0.79
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD11	13	0.79
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD12	13	0.79
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD13	13	0.79
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD11	13	0.79
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD12	13	0.79
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD13	13	0.79
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG21	7	0.79
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG22	7	0.79
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG23	7	0.79
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG21	9	0.79
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG22	9	0.79
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG23	9	0.79
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG21	11	0.79
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG22	11	0.79
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG23	11	0.79
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG21	10	0.79
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG22	10	0.79
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG23	10	0.79
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG21	10	0.79
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG22	10	0.79
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG23	10	0.79
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG21	10	0.79
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG22	10	0.79
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG23	10	0.79
(1,455)	1:535:A:LYS:HG2	1:536:A:GLY:H	8	0.79
(1,364)	1:542:A:LEU:HB3	1:543:A:GLN:H	7	0.79
(1,364)	1:542:A:LEU:HB3	1:543:A:GLN:H	17	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:556:A:ASN:HB3	1:557:A:MET:H	14	0.79
(1,354)	1:556:A:ASN:HB2	1:557:A:MET:H	14	0.79
(1,279)	1:514:A:ILE:HB	1:515:A:SER:H	20	0.79
(1,225)	1:502:A:ARG:HA	1:504:A:ILE:H	10	0.79
(1,225)	1:502:A:ARG:HA	1:504:A:ILE:H	14	0.79
(1,144)	1:523:A:LYS:HE2	1:524:A:LEU:H	18	0.79
(1,144)	1:523:A:LYS:HE3	1:524:A:LEU:H	18	0.79
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG2	17	0.79
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG3	17	0.79
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB2	10	0.78
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB3	10	0.78
(1,868)	1:485:A:ASP:HB3	1:535:A:LYS:HB3	2	0.78
(1,868)	1:485:A:ASP:HB3	1:535:A:LYS:HB3	3	0.78
(1,868)	1:485:A:ASP:HB3	1:535:A:LYS:HB3	9	0.78
(1,868)	1:485:A:ASP:HB3	1:535:A:LYS:HB3	10	0.78
(1,868)	1:485:A:ASP:HB3	1:535:A:LYS:HB3	13	0.78
(1,868)	1:485:A:ASP:HB3	1:535:A:LYS:HB3	20	0.78
(1,847)	1:549:A:ARG:HB3	1:554:A:PRO:HB2	2	0.78
(1,847)	1:549:A:ARG:HB3	1:554:A:PRO:HB2	13	0.78
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD11	3	0.78
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD12	3	0.78
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD13	3	0.78
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD11	3	0.78
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD12	3	0.78
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD13	3	0.78
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD11	3	0.78
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD12	3	0.78
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD13	3	0.78
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD11	6	0.78
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD12	6	0.78
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD13	6	0.78
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD11	6	0.78
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD12	6	0.78
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD13	6	0.78
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD11	6	0.78
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD12	6	0.78
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD13	6	0.78
(1,778)	1:531:A:ILE:HD11	1:533:A:LEU:HG	3	0.78
(1,778)	1:531:A:ILE:HD12	1:533:A:LEU:HG	3	0.78
(1,778)	1:531:A:ILE:HD13	1:533:A:LEU:HG	3	0.78
(1,775)	1:523:A:LYS:HG3	1:525:A:PHE:HA	15	0.78
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG21	1	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG22	1	0.78
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG23	1	0.78
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG21	13	0.78
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG22	13	0.78
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG23	13	0.78
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG21	14	0.78
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG22	14	0.78
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG23	14	0.78
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG21	14	0.78
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG22	14	0.78
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG23	14	0.78
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG21	14	0.78
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG22	14	0.78
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG23	14	0.78
(1,699)	1:491:A:ILE:HA	1:556:A:ASN:HB3	7	0.78
(1,699)	1:491:A:ILE:HA	1:556:A:ASN:HB3	9	0.78
(1,455)	1:535:A:LYS:HG2	1:536:A:GLY:H	1	0.78
(1,455)	1:535:A:LYS:HG2	1:536:A:GLY:H	12	0.78
(1,455)	1:535:A:LYS:HG2	1:536:A:GLY:H	14	0.78
(1,455)	1:535:A:LYS:HG2	1:536:A:GLY:H	19	0.78
(1,435)	1:491:A:ILE:HD11	1:529:A:SER:H	14	0.78
(1,435)	1:491:A:ILE:HD12	1:529:A:SER:H	14	0.78
(1,435)	1:491:A:ILE:HD13	1:529:A:SER:H	14	0.78
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD11	14	0.78
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD12	14	0.78
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD13	14	0.78
(1,303)	1:491:A:ILE:H	1:528:A:HIS:HB3	19	0.78
(1,237)	1:504:A:ILE:H	1:504:A:ILE:HG12	3	0.78
(1,237)	1:504:A:ILE:H	1:504:A:ILE:HG12	4	0.78
(1,237)	1:504:A:ILE:H	1:504:A:ILE:HG12	8	0.78
(1,237)	1:504:A:ILE:H	1:504:A:ILE:HG12	9	0.78
(1,237)	1:504:A:ILE:H	1:504:A:ILE:HG12	10	0.78
(1,237)	1:504:A:ILE:H	1:504:A:ILE:HG12	16	0.78
(1,225)	1:502:A:ARG:HA	1:504:A:ILE:H	1	0.78
(1,225)	1:502:A:ARG:HA	1:504:A:ILE:H	6	0.78
(1,225)	1:502:A:ARG:HA	1:504:A:ILE:H	8	0.78
(1,225)	1:502:A:ARG:HA	1:504:A:ILE:H	9	0.78
(1,225)	1:502:A:ARG:HA	1:504:A:ILE:H	12	0.78
(1,225)	1:502:A:ARG:HA	1:504:A:ILE:H	15	0.78
(1,225)	1:502:A:ARG:HA	1:504:A:ILE:H	17	0.78
(1,225)	1:502:A:ARG:HA	1:504:A:ILE:H	18	0.78
(1,225)	1:502:A:ARG:HA	1:504:A:ILE:H	19	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,225)	1:502:A:ARG:HA	1:504:A:ILE:H	20	0.78
(1,189)	1:490:A:ARG:H	1:557:A:MET:HB3	3	0.78
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG2	14	0.78
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG3	14	0.78
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD11	4	0.77
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD12	4	0.77
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD13	4	0.77
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD21	4	0.77
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD22	4	0.77
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD23	4	0.77
(1,924)	1:539:A:GLY:HA3	1:542:A:LEU:HB3	3	0.77
(1,924)	1:539:A:GLY:HA3	1:542:A:LEU:HB3	10	0.77
(1,868)	1:485:A:ASP:HB3	1:535:A:LYS:HB3	1	0.77
(1,868)	1:485:A:ASP:HB3	1:535:A:LYS:HB3	4	0.77
(1,868)	1:485:A:ASP:HB3	1:535:A:LYS:HB3	5	0.77
(1,868)	1:485:A:ASP:HB3	1:535:A:LYS:HB3	6	0.77
(1,868)	1:485:A:ASP:HB3	1:535:A:LYS:HB3	8	0.77
(1,868)	1:485:A:ASP:HB3	1:535:A:LYS:HB3	11	0.77
(1,868)	1:485:A:ASP:HB3	1:535:A:LYS:HB3	15	0.77
(1,868)	1:485:A:ASP:HB3	1:535:A:LYS:HB3	16	0.77
(1,868)	1:485:A:ASP:HB3	1:535:A:LYS:HB3	19	0.77
(1,847)	1:549:A:ARG:HB3	1:554:A:PRO:HB2	3	0.77
(1,847)	1:549:A:ARG:HB3	1:554:A:PRO:HB2	6	0.77
(1,847)	1:549:A:ARG:HB3	1:554:A:PRO:HB2	7	0.77
(1,847)	1:549:A:ARG:HB3	1:554:A:PRO:HB2	8	0.77
(1,827)	1:483:A:VAL:HG11	1:537:A:MET:HA	1	0.77
(1,827)	1:483:A:VAL:HG12	1:537:A:MET:HA	1	0.77
(1,827)	1:483:A:VAL:HG13	1:537:A:MET:HA	1	0.77
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG21	10	0.77
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG22	10	0.77
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG23	10	0.77
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG21	10	0.77
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG22	10	0.77
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG23	10	0.77
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG21	10	0.77
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG22	10	0.77
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG23	10	0.77
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG21	19	0.77
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG22	19	0.77
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG23	19	0.77
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG21	19	0.77
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG22	19	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG23	19	0.77
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG21	19	0.77
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG22	19	0.77
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG23	19	0.77
(1,455)	1:535:A:LYS:HG2	1:536:A:GLY:H	10	0.77
(1,455)	1:535:A:LYS:HG2	1:536:A:GLY:H	17	0.77
(1,443)	1:484:A:GLY:H	1:538:A:PRO:HD3	19	0.77
(1,364)	1:542:A:LEU:HB3	1:543:A:GLN:H	9	0.77
(1,364)	1:542:A:LEU:HB3	1:543:A:GLN:H	11	0.77
(1,351)	1:492:A:GLU:H	1:557:A:MET:H	12	0.77
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD11	9	0.77
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD12	9	0.77
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD13	9	0.77
(1,313)	1:541:A:VAL:HG11	1:542:A:LEU:H	17	0.77
(1,313)	1:541:A:VAL:HG12	1:542:A:LEU:H	17	0.77
(1,313)	1:541:A:VAL:HG13	1:542:A:LEU:H	17	0.77
(1,237)	1:504:A:ILE:H	1:504:A:ILE:HG12	1	0.77
(1,237)	1:504:A:ILE:H	1:504:A:ILE:HG12	2	0.77
(1,237)	1:504:A:ILE:H	1:504:A:ILE:HG12	5	0.77
(1,237)	1:504:A:ILE:H	1:504:A:ILE:HG12	6	0.77
(1,237)	1:504:A:ILE:H	1:504:A:ILE:HG12	7	0.77
(1,237)	1:504:A:ILE:H	1:504:A:ILE:HG12	11	0.77
(1,237)	1:504:A:ILE:H	1:504:A:ILE:HG12	12	0.77
(1,237)	1:504:A:ILE:H	1:504:A:ILE:HG12	13	0.77
(1,237)	1:504:A:ILE:H	1:504:A:ILE:HG12	14	0.77
(1,237)	1:504:A:ILE:H	1:504:A:ILE:HG12	15	0.77
(1,237)	1:504:A:ILE:H	1:504:A:ILE:HG12	17	0.77
(1,237)	1:504:A:ILE:H	1:504:A:ILE:HG12	18	0.77
(1,237)	1:504:A:ILE:H	1:504:A:ILE:HG12	19	0.77
(1,237)	1:504:A:ILE:H	1:504:A:ILE:HG12	20	0.77
(1,225)	1:502:A:ARG:HA	1:504:A:ILE:H	2	0.77
(1,225)	1:502:A:ARG:HA	1:504:A:ILE:H	3	0.77
(1,225)	1:502:A:ARG:HA	1:504:A:ILE:H	4	0.77
(1,225)	1:502:A:ARG:HA	1:504:A:ILE:H	5	0.77
(1,225)	1:502:A:ARG:HA	1:504:A:ILE:H	7	0.77
(1,225)	1:502:A:ARG:HA	1:504:A:ILE:H	11	0.77
(1,225)	1:502:A:ARG:HA	1:504:A:ILE:H	13	0.77
(1,225)	1:502:A:ARG:HA	1:504:A:ILE:H	16	0.77
(1,189)	1:490:A:ARG:H	1:557:A:MET:HB3	7	0.77
(1,189)	1:490:A:ARG:H	1:557:A:MET:HB3	11	0.77
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG2	2	0.77
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG3	2	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG2	5	0.77
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG3	5	0.77
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG2	18	0.77
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG3	18	0.77
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG2	19	0.77
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG3	19	0.77
(1,868)	1:485:A:ASP:HB3	1:535:A:LYS:HB3	7	0.76
(1,868)	1:485:A:ASP:HB3	1:535:A:LYS:HB3	12	0.76
(1,868)	1:485:A:ASP:HB3	1:535:A:LYS:HB3	14	0.76
(1,868)	1:485:A:ASP:HB3	1:535:A:LYS:HB3	18	0.76
(1,847)	1:549:A:ARG:HB3	1:554:A:PRO:HB2	9	0.76
(1,847)	1:549:A:ARG:HB3	1:554:A:PRO:HB2	14	0.76
(1,778)	1:531:A:ILE:HD11	1:533:A:LEU:HG	19	0.76
(1,778)	1:531:A:ILE:HD12	1:533:A:LEU:HG	19	0.76
(1,778)	1:531:A:ILE:HD13	1:533:A:LEU:HG	19	0.76
(1,775)	1:523:A:LYS:HG3	1:525:A:PHE:HA	3	0.76
(1,775)	1:523:A:LYS:HG3	1:525:A:PHE:HA	5	0.76
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG21	1	0.76
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG22	1	0.76
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG23	1	0.76
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG21	1	0.76
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG22	1	0.76
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG23	1	0.76
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG21	1	0.76
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG22	1	0.76
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG23	1	0.76
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG21	5	0.76
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG22	5	0.76
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG23	5	0.76
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG21	5	0.76
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG22	5	0.76
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG23	5	0.76
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG21	5	0.76
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG22	5	0.76
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG23	5	0.76
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG21	13	0.76
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG22	13	0.76
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG23	13	0.76
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG21	13	0.76
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG22	13	0.76
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG23	13	0.76
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG21	13	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG22	13	0.76
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG23	13	0.76
(1,699)	1:491:A:ILE:HA	1:556:A:ASN:HB3	14	0.76
(1,494)	1:523:A:LYS:H	1:523:A:LYS:HE2	12	0.76
(1,494)	1:523:A:LYS:H	1:523:A:LYS:HE3	12	0.76
(1,364)	1:542:A:LEU:HB3	1:543:A:GLN:H	20	0.76
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD11	1	0.76
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD12	1	0.76
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD13	1	0.76
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD11	18	0.76
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD12	18	0.76
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD13	18	0.76
(1,102)	1:535:A:LYS:H	1:537:A:MET:H	5	0.76
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG2	1	0.76
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG3	1	0.76
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG2	3	0.76
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG3	3	0.76
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG2	6	0.76
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG3	6	0.76
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG2	7	0.76
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG3	7	0.76
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG2	8	0.76
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG3	8	0.76
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG2	12	0.76
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG3	12	0.76
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG2	13	0.76
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG3	13	0.76
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG2	16	0.76
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG3	16	0.76
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG2	20	0.76
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG3	20	0.76
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG2	15	0.75
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG2	15	0.75
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG3	15	0.75
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG3	15	0.75
(1,847)	1:549:A:ARG:HB3	1:554:A:PRO:HB2	16	0.75
(1,847)	1:549:A:ARG:HB3	1:554:A:PRO:HB2	17	0.75
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD11	5	0.75
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD12	5	0.75
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD13	5	0.75
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD11	5	0.75
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD12	5	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD13	5	0.75
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD11	5	0.75
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD12	5	0.75
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD13	5	0.75
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD11	16	0.75
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD12	16	0.75
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD13	16	0.75
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD11	16	0.75
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD12	16	0.75
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD13	16	0.75
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD11	16	0.75
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD12	16	0.75
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD13	16	0.75
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG21	3	0.75
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG22	3	0.75
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG23	3	0.75
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG21	3	0.75
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG22	3	0.75
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG23	3	0.75
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG21	3	0.75
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG22	3	0.75
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG23	3	0.75
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG21	8	0.75
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG22	8	0.75
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG23	8	0.75
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG21	8	0.75
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG22	8	0.75
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG23	8	0.75
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG21	8	0.75
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG22	8	0.75
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG23	8	0.75
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG21	9	0.75
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG22	9	0.75
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG23	9	0.75
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG21	9	0.75
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG22	9	0.75
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG23	9	0.75
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG21	9	0.75
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG22	9	0.75
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG23	9	0.75
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG21	19	0.75
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG22	19	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG23	19	0.75
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG21	19	0.75
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG22	19	0.75
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG23	19	0.75
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG21	19	0.75
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG22	19	0.75
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG23	19	0.75
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG21	6	0.75
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG22	6	0.75
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG23	6	0.75
(1,703)	1:491:A:ILE:HA	1:556:A:ASN:HB2	9	0.75
(1,699)	1:491:A:ILE:HA	1:556:A:ASN:HB3	13	0.75
(1,455)	1:535:A:LYS:HG2	1:536:A:GLY:H	6	0.75
(1,455)	1:535:A:LYS:HG2	1:536:A:GLY:H	20	0.75
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD11	10	0.75
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD12	10	0.75
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD13	10	0.75
(1,279)	1:514:A:ILE:HB	1:515:A:SER:H	10	0.75
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG2	9	0.75
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG3	9	0.75
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG2	10	0.75
(1,16)	1:492:A:GLU:H	1:492:A:GLU:HG3	10	0.75
(1,1161)	1:562:A:ASP:HB2	1:563:A:ALA:H	13	0.74
(1,1161)	1:562:A:ASP:HB3	1:563:A:ALA:H	13	0.74
(1,1161)	1:562:A:ASP:HB2	1:563:A:ALA:H	14	0.74
(1,1161)	1:562:A:ASP:HB3	1:563:A:ALA:H	14	0.74
(1,1161)	1:562:A:ASP:HB2	1:563:A:ALA:H	19	0.74
(1,1161)	1:562:A:ASP:HB3	1:563:A:ALA:H	19	0.74
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG2	13	0.74
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG2	13	0.74
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG3	13	0.74
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG3	13	0.74
(1,847)	1:549:A:ARG:HB3	1:554:A:PRO:HB2	4	0.74
(1,847)	1:549:A:ARG:HB3	1:554:A:PRO:HB2	11	0.74
(1,847)	1:549:A:ARG:HB3	1:554:A:PRO:HB2	19	0.74
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD11	20	0.74
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD12	20	0.74
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD13	20	0.74
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD11	20	0.74
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD12	20	0.74
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD13	20	0.74
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD11	20	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD12	20	0.74
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD13	20	0.74
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD11	6	0.74
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD12	6	0.74
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD13	6	0.74
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD11	6	0.74
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD12	6	0.74
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD13	6	0.74
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD11	6	0.74
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD12	6	0.74
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD13	6	0.74
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD11	8	0.74
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD12	8	0.74
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD13	8	0.74
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD11	8	0.74
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD12	8	0.74
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD13	8	0.74
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD11	8	0.74
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD12	8	0.74
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD13	8	0.74
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD11	11	0.74
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD12	11	0.74
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD13	11	0.74
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD11	11	0.74
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD12	11	0.74
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD13	11	0.74
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD11	11	0.74
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD12	11	0.74
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD13	11	0.74
(1,778)	1:531:A:ILE:HD11	1:533:A:LEU:HG	7	0.74
(1,778)	1:531:A:ILE:HD12	1:533:A:LEU:HG	7	0.74
(1,778)	1:531:A:ILE:HD13	1:533:A:LEU:HG	7	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG21	2	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG22	2	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG23	2	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG21	2	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG22	2	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG23	2	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG21	2	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG22	2	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG23	2	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG21	4	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG22	4	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG23	4	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG21	4	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG22	4	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG23	4	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG21	4	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG22	4	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG23	4	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG21	7	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG22	7	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG23	7	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG21	7	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG22	7	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG23	7	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG21	7	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG22	7	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG23	7	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG21	12	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG22	12	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG23	12	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG21	12	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG22	12	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG23	12	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG21	12	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG22	12	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG23	12	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG21	14	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG22	14	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG23	14	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG21	14	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG22	14	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG23	14	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG21	14	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG22	14	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG23	14	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG21	15	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG22	15	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG23	15	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG21	15	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG22	15	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG23	15	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG21	15	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG22	15	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG23	15	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG21	16	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG22	16	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG23	16	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG21	16	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG22	16	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG23	16	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG21	16	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG22	16	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG23	16	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG21	18	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG22	18	0.74
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG23	18	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG21	18	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG22	18	0.74
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG23	18	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG21	18	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG22	18	0.74
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG23	18	0.74
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG21	3	0.74
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG22	3	0.74
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG23	3	0.74
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG21	12	0.74
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG22	12	0.74
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG23	12	0.74
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG21	7	0.74
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG22	7	0.74
(1,731)	1:522:A:ILE:HG21	1:531:A:ILE:HG23	7	0.74
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG21	7	0.74
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG22	7	0.74
(1,731)	1:522:A:ILE:HG22	1:531:A:ILE:HG23	7	0.74
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG21	7	0.74
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG22	7	0.74
(1,731)	1:522:A:ILE:HG23	1:531:A:ILE:HG23	7	0.74
(1,699)	1:491:A:ILE:HA	1:556:A:ASN:HB3	4	0.74
(1,699)	1:491:A:ILE:HA	1:556:A:ASN:HB3	10	0.74
(1,699)	1:491:A:ILE:HA	1:556:A:ASN:HB3	12	0.74
(1,658)	1:541:A:VAL:HG11	1:542:A:LEU:HB2	2	0.74
(1,658)	1:541:A:VAL:HG12	1:542:A:LEU:HB2	2	0.74
(1,658)	1:541:A:VAL:HG13	1:542:A:LEU:HB2	2	0.74
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG2	13	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG3	13	0.74
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG2	16	0.74
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG3	16	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD11	3	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD12	3	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD13	3	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD11	6	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD12	6	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD13	6	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD11	8	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD12	8	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD13	8	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD11	13	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD12	13	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD13	13	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD11	15	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD12	15	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD13	15	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD11	16	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD12	16	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD13	16	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD11	17	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD12	17	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD13	17	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD11	19	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD12	19	0.74
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD13	19	0.74
(1,313)	1:541:A:VAL:HG11	1:542:A:LEU:H	2	0.74
(1,313)	1:541:A:VAL:HG12	1:542:A:LEU:H	2	0.74
(1,313)	1:541:A:VAL:HG13	1:542:A:LEU:H	2	0.74
(1,304)	1:538:A:PRO:HB2	1:542:A:LEU:H	4	0.74
(1,303)	1:491:A:ILE:H	1:528:A:HIS:HB3	7	0.74
(1,1079)	1:523:A:LYS:HE2	1:524:A:LEU:H	7	0.73
(1,1079)	1:523:A:LYS:HE3	1:524:A:LEU:H	7	0.73
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD11	13	0.73
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD12	13	0.73
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD13	13	0.73
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD21	13	0.73
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD22	13	0.73
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD23	13	0.73
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD11	20	0.73
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD12	20	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD13	20	0.73
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD21	20	0.73
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD22	20	0.73
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD23	20	0.73
(1,847)	1:549:A:ARG:HB3	1:554:A:PRO:HB2	12	0.73
(1,847)	1:549:A:ARG:HB3	1:554:A:PRO:HB2	18	0.73
(1,778)	1:531:A:ILE:HD11	1:533:A:LEU:HG	20	0.73
(1,778)	1:531:A:ILE:HD12	1:533:A:LEU:HG	20	0.73
(1,778)	1:531:A:ILE:HD13	1:533:A:LEU:HG	20	0.73
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG21	6	0.73
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG22	6	0.73
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG23	6	0.73
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG21	6	0.73
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG22	6	0.73
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG23	6	0.73
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG21	6	0.73
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG22	6	0.73
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG23	6	0.73
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG21	11	0.73
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG22	11	0.73
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG23	11	0.73
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG21	11	0.73
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG22	11	0.73
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG23	11	0.73
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG21	11	0.73
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG22	11	0.73
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG23	11	0.73
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG21	17	0.73
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG22	17	0.73
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG23	17	0.73
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG21	17	0.73
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG22	17	0.73
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG23	17	0.73
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG21	17	0.73
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG22	17	0.73
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG23	17	0.73
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG21	20	0.73
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG22	20	0.73
(1,742)	1:504:A:ILE:HG21	1:505:A:VAL:HG23	20	0.73
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG21	20	0.73
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG22	20	0.73
(1,742)	1:504:A:ILE:HG22	1:505:A:VAL:HG23	20	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG21	20	0.73
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG22	20	0.73
(1,742)	1:504:A:ILE:HG23	1:505:A:VAL:HG23	20	0.73
(1,699)	1:491:A:ILE:HA	1:556:A:ASN:HB3	11	0.73
(1,658)	1:541:A:VAL:HG11	1:542:A:LEU:HB2	8	0.73
(1,658)	1:541:A:VAL:HG12	1:542:A:LEU:HB2	8	0.73
(1,658)	1:541:A:VAL:HG13	1:542:A:LEU:HB2	8	0.73
(1,455)	1:535:A:LYS:HG2	1:536:A:GLY:H	15	0.73
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD11	2	0.73
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD12	2	0.73
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD13	2	0.73
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD11	5	0.73
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD12	5	0.73
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD13	5	0.73
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD11	12	0.73
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD12	12	0.73
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD13	12	0.73
(1,313)	1:541:A:VAL:HG11	1:542:A:LEU:H	5	0.73
(1,313)	1:541:A:VAL:HG12	1:542:A:LEU:H	5	0.73
(1,313)	1:541:A:VAL:HG13	1:542:A:LEU:H	5	0.73
(1,313)	1:541:A:VAL:HG11	1:542:A:LEU:H	7	0.73
(1,313)	1:541:A:VAL:HG12	1:542:A:LEU:H	7	0.73
(1,313)	1:541:A:VAL:HG13	1:542:A:LEU:H	7	0.73
(1,313)	1:541:A:VAL:HG11	1:542:A:LEU:H	8	0.73
(1,313)	1:541:A:VAL:HG12	1:542:A:LEU:H	8	0.73
(1,313)	1:541:A:VAL:HG13	1:542:A:LEU:H	8	0.73
(1,313)	1:541:A:VAL:HG11	1:542:A:LEU:H	11	0.73
(1,313)	1:541:A:VAL:HG12	1:542:A:LEU:H	11	0.73
(1,313)	1:541:A:VAL:HG13	1:542:A:LEU:H	11	0.73
(1,313)	1:541:A:VAL:HG11	1:542:A:LEU:H	15	0.73
(1,313)	1:541:A:VAL:HG12	1:542:A:LEU:H	15	0.73
(1,313)	1:541:A:VAL:HG13	1:542:A:LEU:H	15	0.73
(1,313)	1:541:A:VAL:HG11	1:542:A:LEU:H	16	0.73
(1,313)	1:541:A:VAL:HG12	1:542:A:LEU:H	16	0.73
(1,313)	1:541:A:VAL:HG13	1:542:A:LEU:H	16	0.73
(1,313)	1:541:A:VAL:HG11	1:542:A:LEU:H	19	0.73
(1,313)	1:541:A:VAL:HG12	1:542:A:LEU:H	19	0.73
(1,313)	1:541:A:VAL:HG13	1:542:A:LEU:H	19	0.73
(1,279)	1:514:A:ILE:HB	1:515:A:SER:H	3	0.73
(1,279)	1:514:A:ILE:HB	1:515:A:SER:H	6	0.73
(1,279)	1:514:A:ILE:HB	1:515:A:SER:H	12	0.73
(1,279)	1:514:A:ILE:HB	1:515:A:SER:H	14	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,279)	1:514:A:ILE:HB	1:515:A:SER:H	17	0.73
(1,189)	1:490:A:ARG:H	1:557:A:MET:HB3	20	0.73
(1,108)	1:488:A:LEU:HA	1:533:A:LEU:H	18	0.73
(1,1152)	1:558:A:GLN:HG2	1:559:A:LEU:H	10	0.72
(1,1152)	1:558:A:GLN:HG3	1:559:A:LEU:H	10	0.72
(1,847)	1:549:A:ARG:HB3	1:554:A:PRO:HB2	10	0.72
(1,699)	1:491:A:ILE:HA	1:556:A:ASN:HB3	18	0.72
(1,658)	1:541:A:VAL:HG11	1:542:A:LEU:HB2	4	0.72
(1,658)	1:541:A:VAL:HG12	1:542:A:LEU:HB2	4	0.72
(1,658)	1:541:A:VAL:HG13	1:542:A:LEU:HB2	4	0.72
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG2	14	0.72
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG3	14	0.72
(1,358)	1:491:A:ILE:HG21	1:557:A:MET:H	13	0.72
(1,358)	1:491:A:ILE:HG22	1:557:A:MET:H	13	0.72
(1,358)	1:491:A:ILE:HG23	1:557:A:MET:H	13	0.72
(1,351)	1:492:A:GLU:H	1:557:A:MET:H	7	0.72
(1,351)	1:492:A:GLU:H	1:557:A:MET:H	11	0.72
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD11	4	0.72
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD12	4	0.72
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD13	4	0.72
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD11	7	0.72
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD12	7	0.72
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD13	7	0.72
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD11	11	0.72
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD12	11	0.72
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD13	11	0.72
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD11	20	0.72
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD12	20	0.72
(1,314)	1:491:A:ILE:H	1:491:A:ILE:HD13	20	0.72
(1,313)	1:541:A:VAL:HG11	1:542:A:LEU:H	3	0.72
(1,313)	1:541:A:VAL:HG12	1:542:A:LEU:H	3	0.72
(1,313)	1:541:A:VAL:HG13	1:542:A:LEU:H	3	0.72
(1,313)	1:541:A:VAL:HG11	1:542:A:LEU:H	4	0.72
(1,313)	1:541:A:VAL:HG12	1:542:A:LEU:H	4	0.72
(1,313)	1:541:A:VAL:HG13	1:542:A:LEU:H	4	0.72
(1,313)	1:541:A:VAL:HG11	1:542:A:LEU:H	6	0.72
(1,313)	1:541:A:VAL:HG12	1:542:A:LEU:H	6	0.72
(1,313)	1:541:A:VAL:HG13	1:542:A:LEU:H	6	0.72
(1,313)	1:541:A:VAL:HG11	1:542:A:LEU:H	13	0.72
(1,313)	1:541:A:VAL:HG12	1:542:A:LEU:H	13	0.72
(1,313)	1:541:A:VAL:HG13	1:542:A:LEU:H	13	0.72
(1,313)	1:541:A:VAL:HG11	1:542:A:LEU:H	18	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,313)	1:541:A:VAL:HG12	1:542:A:LEU:H	18	0.72
(1,313)	1:541:A:VAL:HG13	1:542:A:LEU:H	18	0.72
(1,304)	1:538:A:PRO:HB2	1:542:A:LEU:H	20	0.72
(1,279)	1:514:A:ILE:HB	1:515:A:SER:H	1	0.72
(1,279)	1:514:A:ILE:HB	1:515:A:SER:H	2	0.72
(1,279)	1:514:A:ILE:HB	1:515:A:SER:H	4	0.72
(1,279)	1:514:A:ILE:HB	1:515:A:SER:H	5	0.72
(1,279)	1:514:A:ILE:HB	1:515:A:SER:H	8	0.72
(1,279)	1:514:A:ILE:HB	1:515:A:SER:H	9	0.72
(1,279)	1:514:A:ILE:HB	1:515:A:SER:H	11	0.72
(1,279)	1:514:A:ILE:HB	1:515:A:SER:H	15	0.72
(1,279)	1:514:A:ILE:HB	1:515:A:SER:H	16	0.72
(1,279)	1:514:A:ILE:HB	1:515:A:SER:H	18	0.72
(1,279)	1:514:A:ILE:HB	1:515:A:SER:H	19	0.72
(1,1161)	1:562:A:ASP:HB2	1:563:A:ALA:H	3	0.71
(1,1161)	1:562:A:ASP:HB3	1:563:A:ALA:H	3	0.71
(1,924)	1:539:A:GLY:HA3	1:542:A:LEU:HB3	19	0.71
(1,847)	1:549:A:ARG:HB3	1:554:A:PRO:HB2	5	0.71
(1,847)	1:549:A:ARG:HB3	1:554:A:PRO:HB2	20	0.71
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD11	5	0.71
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD12	5	0.71
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD13	5	0.71
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD11	5	0.71
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD12	5	0.71
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD13	5	0.71
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD11	5	0.71
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD12	5	0.71
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD13	5	0.71
(1,775)	1:523:A:LYS:HG3	1:525:A:PHE:HA	1	0.71
(1,703)	1:491:A:ILE:HA	1:556:A:ASN:HB2	4	0.71
(1,699)	1:491:A:ILE:HA	1:556:A:ASN:HB3	5	0.71
(1,699)	1:491:A:ILE:HA	1:556:A:ASN:HB3	8	0.71
(1,443)	1:484:A:GLY:H	1:538:A:PRO:HD3	1	0.71
(1,358)	1:491:A:ILE:HG21	1:557:A:MET:H	19	0.71
(1,358)	1:491:A:ILE:HG22	1:557:A:MET:H	19	0.71
(1,358)	1:491:A:ILE:HG23	1:557:A:MET:H	19	0.71
(1,351)	1:492:A:GLU:H	1:557:A:MET:H	5	0.71
(1,351)	1:492:A:GLU:H	1:557:A:MET:H	17	0.71
(1,313)	1:541:A:VAL:HG11	1:542:A:LEU:H	20	0.71
(1,313)	1:541:A:VAL:HG12	1:542:A:LEU:H	20	0.71
(1,313)	1:541:A:VAL:HG13	1:542:A:LEU:H	20	0.71
(1,279)	1:514:A:ILE:HB	1:515:A:SER:H	7	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,236)	1:504:A:ILE:H	1:504:A:ILE:HB	1	0.71
(1,236)	1:504:A:ILE:H	1:504:A:ILE:HB	2	0.71
(1,236)	1:504:A:ILE:H	1:504:A:ILE:HB	3	0.71
(1,236)	1:504:A:ILE:H	1:504:A:ILE:HB	4	0.71
(1,236)	1:504:A:ILE:H	1:504:A:ILE:HB	5	0.71
(1,236)	1:504:A:ILE:H	1:504:A:ILE:HB	6	0.71
(1,236)	1:504:A:ILE:H	1:504:A:ILE:HB	7	0.71
(1,236)	1:504:A:ILE:H	1:504:A:ILE:HB	8	0.71
(1,236)	1:504:A:ILE:H	1:504:A:ILE:HB	9	0.71
(1,236)	1:504:A:ILE:H	1:504:A:ILE:HB	10	0.71
(1,236)	1:504:A:ILE:H	1:504:A:ILE:HB	11	0.71
(1,236)	1:504:A:ILE:H	1:504:A:ILE:HB	12	0.71
(1,236)	1:504:A:ILE:H	1:504:A:ILE:HB	13	0.71
(1,236)	1:504:A:ILE:H	1:504:A:ILE:HB	14	0.71
(1,236)	1:504:A:ILE:H	1:504:A:ILE:HB	15	0.71
(1,236)	1:504:A:ILE:H	1:504:A:ILE:HB	16	0.71
(1,236)	1:504:A:ILE:H	1:504:A:ILE:HB	17	0.71
(1,236)	1:504:A:ILE:H	1:504:A:ILE:HB	18	0.71
(1,236)	1:504:A:ILE:H	1:504:A:ILE:HB	19	0.71
(1,236)	1:504:A:ILE:H	1:504:A:ILE:HB	20	0.71
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG2	8	0.7
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG3	8	0.7
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD11	8	0.7
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD12	8	0.7
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD13	8	0.7
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD11	8	0.7
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD12	8	0.7
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD13	8	0.7
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD11	8	0.7
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD12	8	0.7
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD13	8	0.7
(1,778)	1:531:A:ILE:HD11	1:533:A:LEU:HG	13	0.7
(1,778)	1:531:A:ILE:HD12	1:533:A:LEU:HG	13	0.7
(1,778)	1:531:A:ILE:HD13	1:533:A:LEU:HG	13	0.7
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG21	15	0.7
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG22	15	0.7
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG23	15	0.7
(1,703)	1:491:A:ILE:HA	1:556:A:ASN:HB2	5	0.7
(1,699)	1:491:A:ILE:HA	1:556:A:ASN:HB3	1	0.7
(1,658)	1:541:A:VAL:HG11	1:542:A:LEU:HB2	13	0.7
(1,658)	1:541:A:VAL:HG12	1:542:A:LEU:HB2	13	0.7
(1,658)	1:541:A:VAL:HG13	1:542:A:LEU:HB2	13	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:541:A:VAL:HG11	1:542:A:LEU:HB2	15	0.7
(1,658)	1:541:A:VAL:HG12	1:542:A:LEU:HB2	15	0.7
(1,658)	1:541:A:VAL:HG13	1:542:A:LEU:HB2	15	0.7
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG21	7	0.7
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG22	7	0.7
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG23	7	0.7
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG21	11	0.7
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG22	11	0.7
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG23	11	0.7
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG21	14	0.7
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG22	14	0.7
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG23	14	0.7
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG21	17	0.7
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG22	17	0.7
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG23	17	0.7
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG21	19	0.7
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG22	19	0.7
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG23	19	0.7
(1,365)	1:542:A:LEU:HD21	1:543:A:GLN:H	12	0.7
(1,365)	1:542:A:LEU:HD22	1:543:A:GLN:H	12	0.7
(1,365)	1:542:A:LEU:HD23	1:543:A:GLN:H	12	0.7
(1,364)	1:542:A:LEU:HB3	1:543:A:GLN:H	6	0.7
(1,358)	1:491:A:ILE:HG21	1:557:A:MET:H	2	0.7
(1,358)	1:491:A:ILE:HG22	1:557:A:MET:H	2	0.7
(1,358)	1:491:A:ILE:HG23	1:557:A:MET:H	2	0.7
(1,358)	1:491:A:ILE:HG21	1:557:A:MET:H	10	0.7
(1,358)	1:491:A:ILE:HG22	1:557:A:MET:H	10	0.7
(1,358)	1:491:A:ILE:HG23	1:557:A:MET:H	10	0.7
(1,358)	1:491:A:ILE:HG21	1:557:A:MET:H	17	0.7
(1,358)	1:491:A:ILE:HG22	1:557:A:MET:H	17	0.7
(1,358)	1:491:A:ILE:HG23	1:557:A:MET:H	17	0.7
(1,310)	1:513:A:ASP:H	1:514:A:ILE:HG12	13	0.7
(1,304)	1:538:A:PRO:HB2	1:542:A:LEU:H	13	0.7
(1,277)	1:483:A:VAL:H	1:483:A:VAL:HB	5	0.7
(1,189)	1:490:A:ARG:H	1:557:A:MET:HB3	8	0.7
(1,189)	1:490:A:ARG:H	1:557:A:MET:HB3	12	0.7
(1,124)	1:557:A:MET:HB3	1:558:A:GLN:H	10	0.7
(1,124)	1:557:A:MET:HB3	1:558:A:GLN:H	18	0.7
(1,115)	1:525:A:PHE:H	1:529:A:SER:HB3	18	0.7
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG2	7	0.69
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG3	7	0.69
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG2	19	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG3	19	0.69
(1,904)	1:533:A:LEU:HD21	1:534:A:PRO:HD3	11	0.69
(1,904)	1:533:A:LEU:HD22	1:534:A:PRO:HD3	11	0.69
(1,904)	1:533:A:LEU:HD23	1:534:A:PRO:HD3	11	0.69
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD11	10	0.69
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD12	10	0.69
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD13	10	0.69
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD11	10	0.69
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD12	10	0.69
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD13	10	0.69
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD11	10	0.69
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD12	10	0.69
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD13	10	0.69
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD11	19	0.69
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD12	19	0.69
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD13	19	0.69
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD11	19	0.69
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD12	19	0.69
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD13	19	0.69
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD11	19	0.69
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD12	19	0.69
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD13	19	0.69
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD11	17	0.69
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD12	17	0.69
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD13	17	0.69
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD11	17	0.69
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD12	17	0.69
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD13	17	0.69
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD11	17	0.69
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD12	17	0.69
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD13	17	0.69
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG21	8	0.69
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG22	8	0.69
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG23	8	0.69
(1,699)	1:491:A:ILE:HA	1:556:A:ASN:HB3	3	0.69
(1,699)	1:491:A:ILE:HA	1:556:A:ASN:HB3	17	0.69
(1,539)	1:540:A:GLU:HB2	1:541:A:VAL:HB	1	0.69
(1,455)	1:535:A:LYS:HG2	1:536:A:GLY:H	7	0.69
(1,455)	1:535:A:LYS:HG2	1:536:A:GLY:H	11	0.69
(1,443)	1:484:A:GLY:H	1:538:A:PRO:HD3	11	0.69
(1,358)	1:491:A:ILE:HG21	1:557:A:MET:H	11	0.69
(1,358)	1:491:A:ILE:HG22	1:557:A:MET:H	11	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:491:A:ILE:HG23	1:557:A:MET:H	11	0.69
(1,351)	1:492:A:GLU:H	1:557:A:MET:H	4	0.69
(1,313)	1:541:A:VAL:HG11	1:542:A:LEU:H	1	0.69
(1,313)	1:541:A:VAL:HG12	1:542:A:LEU:H	1	0.69
(1,313)	1:541:A:VAL:HG13	1:542:A:LEU:H	1	0.69
(1,313)	1:541:A:VAL:HG11	1:542:A:LEU:H	9	0.69
(1,313)	1:541:A:VAL:HG12	1:542:A:LEU:H	9	0.69
(1,313)	1:541:A:VAL:HG13	1:542:A:LEU:H	9	0.69
(1,313)	1:541:A:VAL:HG11	1:542:A:LEU:H	10	0.69
(1,313)	1:541:A:VAL:HG12	1:542:A:LEU:H	10	0.69
(1,313)	1:541:A:VAL:HG13	1:542:A:LEU:H	10	0.69
(1,124)	1:557:A:MET:HB3	1:558:A:GLN:H	11	0.69
(1,124)	1:557:A:MET:HB3	1:558:A:GLN:H	19	0.69
(1,59)	1:489:A:TYR:H	1:530:A:THR:HB	13	0.69
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG2	18	0.68
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG3	18	0.68
(1,1161)	1:562:A:ASP:HB2	1:563:A:ALA:H	12	0.68
(1,1161)	1:562:A:ASP:HB3	1:563:A:ALA:H	12	0.68
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG2	6	0.68
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG3	6	0.68
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG2	20	0.68
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG3	20	0.68
(1,904)	1:533:A:LEU:HD21	1:534:A:PRO:HD3	4	0.68
(1,904)	1:533:A:LEU:HD22	1:534:A:PRO:HD3	4	0.68
(1,904)	1:533:A:LEU:HD23	1:534:A:PRO:HD3	4	0.68
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD11	19	0.68
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD12	19	0.68
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD13	19	0.68
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD11	19	0.68
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD12	19	0.68
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD13	19	0.68
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD11	19	0.68
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD12	19	0.68
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD13	19	0.68
(1,703)	1:491:A:ILE:HA	1:556:A:ASN:HB2	10	0.68
(1,703)	1:491:A:ILE:HA	1:556:A:ASN:HB2	12	0.68
(1,699)	1:491:A:ILE:HA	1:556:A:ASN:HB3	2	0.68
(1,441)	1:482:A:ASP:HA	1:484:A:GLY:H	1	0.68
(1,405)	1:502:A:ARG:H	1:504:A:ILE:H	17	0.68
(1,403)	1:491:A:ILE:HD11	1:493:A:VAL:H	19	0.68
(1,403)	1:491:A:ILE:HD12	1:493:A:VAL:H	19	0.68
(1,403)	1:491:A:ILE:HD13	1:493:A:VAL:H	19	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,364)	1:542:A:LEU:HB3	1:543:A:GLN:H	12	0.68
(1,313)	1:541:A:VAL:HG11	1:542:A:LEU:H	14	0.68
(1,313)	1:541:A:VAL:HG12	1:542:A:LEU:H	14	0.68
(1,313)	1:541:A:VAL:HG13	1:542:A:LEU:H	14	0.68
(1,304)	1:538:A:PRO:HB2	1:542:A:LEU:H	15	0.68
(1,124)	1:557:A:MET:HB3	1:558:A:GLN:H	20	0.68
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD11	15	0.67
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD12	15	0.67
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD13	15	0.67
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD21	15	0.67
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD22	15	0.67
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD23	15	0.67
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG2	16	0.67
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG3	16	0.67
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD11	12	0.67
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD12	12	0.67
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD13	12	0.67
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD11	12	0.67
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD12	12	0.67
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD13	12	0.67
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD11	12	0.67
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD12	12	0.67
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD13	12	0.67
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD11	3	0.67
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD12	3	0.67
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD13	3	0.67
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD11	3	0.67
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD12	3	0.67
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD13	3	0.67
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD11	3	0.67
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD12	3	0.67
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD13	3	0.67
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD11	16	0.67
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD12	16	0.67
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD13	16	0.67
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD11	16	0.67
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD12	16	0.67
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD13	16	0.67
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD11	16	0.67
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD12	16	0.67
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD13	16	0.67
(1,778)	1:531:A:ILE:HD11	1:533:A:LEU:HG	15	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,778)	1:531:A:ILE:HD12	1:533:A:LEU:HG	15	0.67
(1,778)	1:531:A:ILE:HD13	1:533:A:LEU:HG	15	0.67
(1,775)	1:523:A:LYS:HG3	1:525:A:PHE:HA	12	0.67
(1,703)	1:491:A:ILE:HA	1:556:A:ASN:HB2	19	0.67
(1,699)	1:491:A:ILE:HA	1:556:A:ASN:HB3	20	0.67
(1,658)	1:541:A:VAL:HG11	1:542:A:LEU:HB2	14	0.67
(1,658)	1:541:A:VAL:HG12	1:542:A:LEU:HB2	14	0.67
(1,658)	1:541:A:VAL:HG13	1:542:A:LEU:HB2	14	0.67
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG21	8	0.67
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG22	8	0.67
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG23	8	0.67
(1,494)	1:523:A:LYS:H	1:523:A:LYS:HE2	14	0.67
(1,494)	1:523:A:LYS:H	1:523:A:LYS:HE3	14	0.67
(1,364)	1:542:A:LEU:HB3	1:543:A:GLN:H	3	0.67
(1,358)	1:491:A:ILE:HG21	1:557:A:MET:H	3	0.67
(1,358)	1:491:A:ILE:HG22	1:557:A:MET:H	3	0.67
(1,358)	1:491:A:ILE:HG23	1:557:A:MET:H	3	0.67
(1,351)	1:492:A:GLU:H	1:557:A:MET:H	2	0.67
(1,351)	1:492:A:GLU:H	1:557:A:MET:H	3	0.67
(1,277)	1:483:A:VAL:H	1:483:A:VAL:HB	9	0.67
(1,59)	1:489:A:TYR:H	1:530:A:THR:HB	12	0.67
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG2	9	0.66
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG3	9	0.66
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG2	14	0.66
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG3	14	0.66
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB2	1	0.66
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB3	1	0.66
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG2	12	0.66
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG3	12	0.66
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG2	18	0.66
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG3	18	0.66
(1,904)	1:533:A:LEU:HD21	1:534:A:PRO:HD3	13	0.66
(1,904)	1:533:A:LEU:HD22	1:534:A:PRO:HD3	13	0.66
(1,904)	1:533:A:LEU:HD23	1:534:A:PRO:HD3	13	0.66
(1,847)	1:549:A:ARG:HB3	1:554:A:PRO:HB2	1	0.66
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD11	2	0.66
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD12	2	0.66
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD13	2	0.66
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD11	2	0.66
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD12	2	0.66
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD13	2	0.66
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD11	2	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD12	2	0.66
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD13	2	0.66
(1,801)	1:560:A:LEU:HA	1:561:A:GLY:HA3	12	0.66
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD11	2	0.66
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD12	2	0.66
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD13	2	0.66
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD11	2	0.66
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD12	2	0.66
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD13	2	0.66
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD11	2	0.66
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD12	2	0.66
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD13	2	0.66
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD11	7	0.66
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD12	7	0.66
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD13	7	0.66
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD11	7	0.66
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD12	7	0.66
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD13	7	0.66
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD11	7	0.66
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD12	7	0.66
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD13	7	0.66
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD11	12	0.66
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD12	12	0.66
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD13	12	0.66
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD11	12	0.66
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD12	12	0.66
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD13	12	0.66
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD11	12	0.66
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD12	12	0.66
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD13	12	0.66
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD11	18	0.66
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD12	18	0.66
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD13	18	0.66
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD11	18	0.66
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD12	18	0.66
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD13	18	0.66
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD11	18	0.66
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD12	18	0.66
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD13	18	0.66
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD11	20	0.66
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD12	20	0.66
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD13	20	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD11	20	0.66
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD12	20	0.66
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD13	20	0.66
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD11	20	0.66
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD12	20	0.66
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD13	20	0.66
(1,778)	1:531:A:ILE:HD11	1:533:A:LEU:HG	4	0.66
(1,778)	1:531:A:ILE:HD12	1:533:A:LEU:HG	4	0.66
(1,778)	1:531:A:ILE:HD13	1:533:A:LEU:HG	4	0.66
(1,699)	1:491:A:ILE:HA	1:556:A:ASN:HB3	6	0.66
(1,539)	1:540:A:GLU:HB2	1:541:A:VAL:HB	19	0.66
(1,364)	1:542:A:LEU:HB3	1:543:A:GLN:H	10	0.66
(1,358)	1:491:A:ILE:HG21	1:557:A:MET:H	7	0.66
(1,358)	1:491:A:ILE:HG22	1:557:A:MET:H	7	0.66
(1,358)	1:491:A:ILE:HG23	1:557:A:MET:H	7	0.66
(1,358)	1:491:A:ILE:HG21	1:557:A:MET:H	16	0.66
(1,358)	1:491:A:ILE:HG22	1:557:A:MET:H	16	0.66
(1,358)	1:491:A:ILE:HG23	1:557:A:MET:H	16	0.66
(1,124)	1:557:A:MET:HB3	1:558:A:GLN:H	8	0.66
(1,59)	1:489:A:TYR:H	1:530:A:THR:HB	10	0.66
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG2	1	0.65
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG3	1	0.65
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG2	2	0.65
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG3	2	0.65
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG2	5	0.65
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG3	5	0.65
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG2	10	0.65
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG3	10	0.65
(1,924)	1:539:A:GLY:HA3	1:542:A:LEU:HB3	5	0.65
(1,816)	1:497:A:ASP:HA	1:527:A:SER:HA	14	0.65
(1,814)	1:550:A:ILE:HG21	1:555:A:MET:HB3	3	0.65
(1,814)	1:550:A:ILE:HG22	1:555:A:MET:HB3	3	0.65
(1,814)	1:550:A:ILE:HG23	1:555:A:MET:HB3	3	0.65
(1,801)	1:560:A:LEU:HA	1:561:A:GLY:HA3	6	0.65
(1,801)	1:560:A:LEU:HA	1:561:A:GLY:HA3	7	0.65
(1,801)	1:560:A:LEU:HA	1:561:A:GLY:HA3	15	0.65
(1,801)	1:560:A:LEU:HA	1:561:A:GLY:HA3	18	0.65
(1,801)	1:560:A:LEU:HA	1:561:A:GLY:HA3	19	0.65
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD11	14	0.65
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD12	14	0.65
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD13	14	0.65
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD11	14	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD12	14	0.65
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD13	14	0.65
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD11	14	0.65
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD12	14	0.65
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD13	14	0.65
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG21	14	0.65
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG22	14	0.65
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG23	14	0.65
(1,713)	1:491:A:ILE:HG21	1:555:A:MET:HB3	18	0.65
(1,713)	1:491:A:ILE:HG22	1:555:A:MET:HB3	18	0.65
(1,713)	1:491:A:ILE:HG23	1:555:A:MET:HB3	18	0.65
(1,706)	1:490:A:ARG:HG3	1:491:A:ILE:HA	19	0.65
(1,658)	1:541:A:VAL:HG11	1:542:A:LEU:HB2	18	0.65
(1,658)	1:541:A:VAL:HG12	1:542:A:LEU:HB2	18	0.65
(1,658)	1:541:A:VAL:HG13	1:542:A:LEU:HB2	18	0.65
(1,539)	1:540:A:GLU:HB2	1:541:A:VAL:HB	9	0.65
(1,539)	1:540:A:GLU:HB2	1:541:A:VAL:HB	11	0.65
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG2	9	0.65
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG3	9	0.65
(1,443)	1:484:A:GLY:H	1:538:A:PRO:HD3	12	0.65
(1,405)	1:502:A:ARG:H	1:504:A:ILE:H	18	0.65
(1,403)	1:491:A:ILE:HD11	1:493:A:VAL:H	13	0.65
(1,403)	1:491:A:ILE:HD12	1:493:A:VAL:H	13	0.65
(1,403)	1:491:A:ILE:HD13	1:493:A:VAL:H	13	0.65
(1,364)	1:542:A:LEU:HB3	1:543:A:GLN:H	16	0.65
(1,364)	1:542:A:LEU:HB3	1:543:A:GLN:H	19	0.65
(1,351)	1:492:A:GLU:H	1:557:A:MET:H	14	0.65
(1,304)	1:538:A:PRO:HB2	1:542:A:LEU:H	19	0.65
(1,124)	1:557:A:MET:HB3	1:558:A:GLN:H	7	0.65
(1,59)	1:489:A:TYR:H	1:530:A:THR:HB	3	0.65
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG2	12	0.64
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG3	12	0.64
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG2	19	0.64
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG3	19	0.64
(1,801)	1:560:A:LEU:HA	1:561:A:GLY:HA3	1	0.64
(1,801)	1:560:A:LEU:HA	1:561:A:GLY:HA3	5	0.64
(1,801)	1:560:A:LEU:HA	1:561:A:GLY:HA3	8	0.64
(1,801)	1:560:A:LEU:HA	1:561:A:GLY:HA3	9	0.64
(1,801)	1:560:A:LEU:HA	1:561:A:GLY:HA3	11	0.64
(1,801)	1:560:A:LEU:HA	1:561:A:GLY:HA3	14	0.64
(1,801)	1:560:A:LEU:HA	1:561:A:GLY:HA3	16	0.64
(1,801)	1:560:A:LEU:HA	1:561:A:GLY:HA3	20	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD11	10	0.64
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD12	10	0.64
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD13	10	0.64
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD11	10	0.64
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD12	10	0.64
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD13	10	0.64
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD11	10	0.64
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD12	10	0.64
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD13	10	0.64
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD11	15	0.64
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD12	15	0.64
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD13	15	0.64
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD11	15	0.64
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD12	15	0.64
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD13	15	0.64
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD11	15	0.64
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD12	15	0.64
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD13	15	0.64
(1,703)	1:491:A:ILE:HA	1:556:A:ASN:HB2	14	0.64
(1,699)	1:491:A:ILE:HA	1:556:A:ASN:HB3	15	0.64
(1,539)	1:540:A:GLU:HB2	1:541:A:VAL:HB	16	0.64
(1,405)	1:502:A:ARG:H	1:504:A:ILE:H	16	0.64
(1,403)	1:491:A:ILE:HD11	1:493:A:VAL:H	3	0.64
(1,403)	1:491:A:ILE:HD12	1:493:A:VAL:H	3	0.64
(1,403)	1:491:A:ILE:HD13	1:493:A:VAL:H	3	0.64
(1,403)	1:491:A:ILE:HD11	1:493:A:VAL:H	7	0.64
(1,403)	1:491:A:ILE:HD12	1:493:A:VAL:H	7	0.64
(1,403)	1:491:A:ILE:HD13	1:493:A:VAL:H	7	0.64
(1,403)	1:491:A:ILE:HD11	1:493:A:VAL:H	17	0.64
(1,403)	1:491:A:ILE:HD12	1:493:A:VAL:H	17	0.64
(1,403)	1:491:A:ILE:HD13	1:493:A:VAL:H	17	0.64
(1,364)	1:542:A:LEU:HB3	1:543:A:GLN:H	1	0.64
(1,358)	1:491:A:ILE:HG21	1:557:A:MET:H	15	0.64
(1,358)	1:491:A:ILE:HG22	1:557:A:MET:H	15	0.64
(1,358)	1:491:A:ILE:HG23	1:557:A:MET:H	15	0.64
(1,304)	1:538:A:PRO:HB2	1:542:A:LEU:H	16	0.64
(1,279)	1:514:A:ILE:HB	1:515:A:SER:H	13	0.64
(1,59)	1:489:A:TYR:H	1:530:A:THR:HB	18	0.64
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG2	20	0.63
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG3	20	0.63
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB2	9	0.63
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB3	9	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB2	20	0.63
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB3	20	0.63
(1,904)	1:533:A:LEU:HD21	1:534:A:PRO:HD3	7	0.63
(1,904)	1:533:A:LEU:HD22	1:534:A:PRO:HD3	7	0.63
(1,904)	1:533:A:LEU:HD23	1:534:A:PRO:HD3	7	0.63
(1,801)	1:560:A:LEU:HA	1:561:A:GLY:HA3	2	0.63
(1,801)	1:560:A:LEU:HA	1:561:A:GLY:HA3	3	0.63
(1,801)	1:560:A:LEU:HA	1:561:A:GLY:HA3	4	0.63
(1,801)	1:560:A:LEU:HA	1:561:A:GLY:HA3	10	0.63
(1,801)	1:560:A:LEU:HA	1:561:A:GLY:HA3	13	0.63
(1,801)	1:560:A:LEU:HA	1:561:A:GLY:HA3	17	0.63
(1,713)	1:491:A:ILE:HG21	1:555:A:MET:HB3	4	0.63
(1,713)	1:491:A:ILE:HG22	1:555:A:MET:HB3	4	0.63
(1,713)	1:491:A:ILE:HG23	1:555:A:MET:HB3	4	0.63
(1,703)	1:491:A:ILE:HA	1:556:A:ASN:HB2	2	0.63
(1,703)	1:491:A:ILE:HA	1:556:A:ASN:HB2	18	0.63
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG2	8	0.63
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG3	8	0.63
(1,405)	1:502:A:ARG:H	1:504:A:ILE:H	7	0.63
(1,405)	1:502:A:ARG:H	1:504:A:ILE:H	19	0.63
(1,403)	1:491:A:ILE:HD11	1:493:A:VAL:H	5	0.63
(1,403)	1:491:A:ILE:HD12	1:493:A:VAL:H	5	0.63
(1,403)	1:491:A:ILE:HD13	1:493:A:VAL:H	5	0.63
(1,364)	1:542:A:LEU:HB3	1:543:A:GLN:H	5	0.63
(1,351)	1:492:A:GLU:H	1:557:A:MET:H	13	0.63
(1,310)	1:513:A:ASP:H	1:514:A:ILE:HG12	3	0.63
(1,306)	1:542:A:LEU:HB3	1:544:A:HIS:H	7	0.63
(1,306)	1:542:A:LEU:HB3	1:544:A:HIS:H	20	0.63
(1,189)	1:490:A:ARG:H	1:557:A:MET:HB3	6	0.63
(1,59)	1:489:A:TYR:H	1:530:A:THR:HB	16	0.63
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG2	7	0.62
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG3	7	0.62
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB2	19	0.62
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB3	19	0.62
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG2	2	0.62
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG3	2	0.62
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG21	4	0.62
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG22	4	0.62
(1,736)	1:504:A:ILE:HB	1:522:A:ILE:HG23	4	0.62
(1,703)	1:491:A:ILE:HA	1:556:A:ASN:HB2	7	0.62
(1,703)	1:491:A:ILE:HA	1:556:A:ASN:HB2	13	0.62
(1,703)	1:491:A:ILE:HA	1:556:A:ASN:HB2	17	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,703)	1:491:A:ILE:HA	1:556:A:ASN:HB2	20	0.62
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG21	16	0.62
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG22	16	0.62
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG23	16	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD21	4	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD22	4	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD23	4	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD21	5	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD22	5	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD23	5	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD21	7	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD22	7	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD23	7	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD21	9	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD22	9	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD23	9	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD21	12	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD22	12	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD23	12	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD21	15	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD22	15	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD23	15	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD21	18	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD22	18	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD23	18	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD21	19	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD22	19	0.62
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD23	19	0.62
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG2	2	0.62
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG3	2	0.62
(1,443)	1:484:A:GLY:H	1:538:A:PRO:HD3	18	0.62
(1,405)	1:502:A:ARG:H	1:504:A:ILE:H	5	0.62
(1,405)	1:502:A:ARG:H	1:504:A:ILE:H	8	0.62
(1,405)	1:502:A:ARG:H	1:504:A:ILE:H	13	0.62
(1,405)	1:502:A:ARG:H	1:504:A:ILE:H	15	0.62
(1,405)	1:502:A:ARG:H	1:504:A:ILE:H	20	0.62
(1,403)	1:491:A:ILE:HD11	1:493:A:VAL:H	2	0.62
(1,403)	1:491:A:ILE:HD12	1:493:A:VAL:H	2	0.62
(1,403)	1:491:A:ILE:HD13	1:493:A:VAL:H	2	0.62
(1,403)	1:491:A:ILE:HD11	1:493:A:VAL:H	11	0.62
(1,403)	1:491:A:ILE:HD12	1:493:A:VAL:H	11	0.62
(1,403)	1:491:A:ILE:HD13	1:493:A:VAL:H	11	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,403)	1:491:A:ILE:HD11	1:493:A:VAL:H	12	0.62
(1,403)	1:491:A:ILE:HD12	1:493:A:VAL:H	12	0.62
(1,403)	1:491:A:ILE:HD13	1:493:A:VAL:H	12	0.62
(1,310)	1:513:A:ASP:H	1:514:A:ILE:HG12	2	0.62
(1,310)	1:513:A:ASP:H	1:514:A:ILE:HG12	4	0.62
(1,310)	1:513:A:ASP:H	1:514:A:ILE:HG12	5	0.62
(1,310)	1:513:A:ASP:H	1:514:A:ILE:HG12	6	0.62
(1,310)	1:513:A:ASP:H	1:514:A:ILE:HG12	9	0.62
(1,310)	1:513:A:ASP:H	1:514:A:ILE:HG12	10	0.62
(1,310)	1:513:A:ASP:H	1:514:A:ILE:HG12	12	0.62
(1,310)	1:513:A:ASP:H	1:514:A:ILE:HG12	14	0.62
(1,310)	1:513:A:ASP:H	1:514:A:ILE:HG12	15	0.62
(1,310)	1:513:A:ASP:H	1:514:A:ILE:HG12	16	0.62
(1,306)	1:542:A:LEU:HB3	1:544:A:HIS:H	9	0.62
(1,306)	1:542:A:LEU:HB3	1:544:A:HIS:H	11	0.62
(1,306)	1:542:A:LEU:HB3	1:544:A:HIS:H	17	0.62
(1,263)	1:512:A:GLY:H	1:513:A:ASP:H	1	0.62
(1,124)	1:557:A:MET:HB3	1:558:A:GLN:H	3	0.62
(1,59)	1:489:A:TYR:H	1:530:A:THR:HB	11	0.62
(1,59)	1:489:A:TYR:H	1:530:A:THR:HB	19	0.62
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG2	16	0.61
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG3	16	0.61
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG2	13	0.61
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG3	13	0.61
(1,924)	1:539:A:GLY:HA3	1:542:A:LEU:HB3	16	0.61
(1,904)	1:533:A:LEU:HD21	1:534:A:PRO:HD3	12	0.61
(1,904)	1:533:A:LEU:HD22	1:534:A:PRO:HD3	12	0.61
(1,904)	1:533:A:LEU:HD23	1:534:A:PRO:HD3	12	0.61
(1,847)	1:549:A:ARG:HB3	1:554:A:PRO:HB2	15	0.61
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD11	9	0.61
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD12	9	0.61
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD13	9	0.61
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD11	9	0.61
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD12	9	0.61
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD13	9	0.61
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD11	9	0.61
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD12	9	0.61
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD13	9	0.61
(1,703)	1:491:A:ILE:HA	1:556:A:ASN:HB2	3	0.61
(1,703)	1:491:A:ILE:HA	1:556:A:ASN:HB2	6	0.61
(1,703)	1:491:A:ILE:HA	1:556:A:ASN:HB2	11	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD21	1	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD22	1	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD23	1	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD21	3	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD22	3	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD23	3	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD21	6	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD22	6	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD23	6	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD21	8	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD22	8	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD23	8	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD21	10	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD22	10	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD23	10	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD21	11	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD22	11	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD23	11	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD21	13	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD22	13	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD23	13	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD21	14	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD22	14	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD23	14	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD21	16	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD22	16	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD23	16	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD21	17	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD22	17	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD23	17	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD21	20	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD22	20	0.61
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD23	20	0.61
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG2	5	0.61
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG3	5	0.61
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG2	19	0.61
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG3	19	0.61
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG2	20	0.61
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG3	20	0.61
(1,405)	1:502:A:ARG:H	1:504:A:ILE:H	2	0.61
(1,405)	1:502:A:ARG:H	1:504:A:ILE:H	4	0.61
(1,405)	1:502:A:ARG:H	1:504:A:ILE:H	6	0.61
(1,405)	1:502:A:ARG:H	1:504:A:ILE:H	9	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,405)	1:502:A:ARG:H	1:504:A:ILE:H	11	0.61
(1,403)	1:491:A:ILE:HD11	1:493:A:VAL:H	4	0.61
(1,403)	1:491:A:ILE:HD12	1:493:A:VAL:H	4	0.61
(1,403)	1:491:A:ILE:HD13	1:493:A:VAL:H	4	0.61
(1,358)	1:491:A:ILE:HG21	1:557:A:MET:H	8	0.61
(1,358)	1:491:A:ILE:HG22	1:557:A:MET:H	8	0.61
(1,358)	1:491:A:ILE:HG23	1:557:A:MET:H	8	0.61
(1,310)	1:513:A:ASP:H	1:514:A:ILE:HG12	1	0.61
(1,310)	1:513:A:ASP:H	1:514:A:ILE:HG12	8	0.61
(1,310)	1:513:A:ASP:H	1:514:A:ILE:HG12	11	0.61
(1,263)	1:512:A:GLY:H	1:513:A:ASP:H	15	0.61
(1,124)	1:557:A:MET:HB3	1:558:A:GLN:H	1	0.61
(1,124)	1:557:A:MET:HB3	1:558:A:GLN:H	2	0.61
(1,124)	1:557:A:MET:HB3	1:558:A:GLN:H	17	0.61
(1,62)	1:489:A:TYR:H	1:559:A:LEU:HA	19	0.61
(1,59)	1:489:A:TYR:H	1:530:A:THR:HB	8	0.61
(1,59)	1:489:A:TYR:H	1:530:A:THR:HB	15	0.61
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD11	16	0.6
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD12	16	0.6
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD13	16	0.6
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD21	16	0.6
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD22	16	0.6
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD23	16	0.6
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB2	2	0.6
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB3	2	0.6
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB2	6	0.6
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB3	6	0.6
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB2	16	0.6
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB3	16	0.6
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG2	15	0.6
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG3	15	0.6
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG2	19	0.6
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG2	19	0.6
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG3	19	0.6
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG3	19	0.6
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG2	20	0.6
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG2	20	0.6
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG3	20	0.6
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG3	20	0.6
(1,913)	1:548:A:THR:HA	1:549:A:ARG:HB3	15	0.6
(1,904)	1:533:A:LEU:HD21	1:534:A:PRO:HD3	15	0.6
(1,904)	1:533:A:LEU:HD22	1:534:A:PRO:HD3	15	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,904)	1:533:A:LEU:HD23	1:534:A:PRO:HD3	15	0.6
(1,904)	1:533:A:LEU:HD21	1:534:A:PRO:HD3	16	0.6
(1,904)	1:533:A:LEU:HD22	1:534:A:PRO:HD3	16	0.6
(1,904)	1:533:A:LEU:HD23	1:534:A:PRO:HD3	16	0.6
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD11	4	0.6
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD12	4	0.6
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD13	4	0.6
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD11	4	0.6
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD12	4	0.6
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD13	4	0.6
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD11	4	0.6
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD12	4	0.6
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD13	4	0.6
(1,706)	1:490:A:ARG:HG3	1:491:A:ILE:HA	14	0.6
(1,699)	1:491:A:ILE:HA	1:556:A:ASN:HB3	16	0.6
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD21	2	0.6
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD22	2	0.6
(1,625)	1:560:A:LEU:HA	1:560:A:LEU:HD23	2	0.6
(1,405)	1:502:A:ARG:H	1:504:A:ILE:H	3	0.6
(1,405)	1:502:A:ARG:H	1:504:A:ILE:H	10	0.6
(1,405)	1:502:A:ARG:H	1:504:A:ILE:H	12	0.6
(1,403)	1:491:A:ILE:HD11	1:493:A:VAL:H	8	0.6
(1,403)	1:491:A:ILE:HD12	1:493:A:VAL:H	8	0.6
(1,403)	1:491:A:ILE:HD13	1:493:A:VAL:H	8	0.6
(1,310)	1:513:A:ASP:H	1:514:A:ILE:HG12	7	0.6
(1,277)	1:483:A:VAL:H	1:483:A:VAL:HB	18	0.6
(1,101)	1:488:A:LEU:H	1:562:A:ASP:H	11	0.6
(1,62)	1:489:A:TYR:H	1:559:A:LEU:HA	2	0.6
(1,62)	1:489:A:TYR:H	1:559:A:LEU:HA	3	0.6
(1,62)	1:489:A:TYR:H	1:559:A:LEU:HA	13	0.6
(1,62)	1:489:A:TYR:H	1:559:A:LEU:HA	18	0.6
(1,59)	1:489:A:TYR:H	1:530:A:THR:HB	1	0.6
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB2	12	0.59
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB3	12	0.59
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB2	17	0.59
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB3	17	0.59
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG2	14	0.59
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG3	14	0.59
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG2	1	0.59
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG2	1	0.59
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG3	1	0.59
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG3	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD11	1	0.59
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD12	1	0.59
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD13	1	0.59
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD11	1	0.59
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD12	1	0.59
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD13	1	0.59
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD11	1	0.59
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD12	1	0.59
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD13	1	0.59
(1,761)	1:532:A:GLU:HB3	1:532:A:GLU:HG2	3	0.59
(1,761)	1:532:A:GLU:HB3	1:532:A:GLU:HG2	6	0.59
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG2	10	0.59
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG3	10	0.59
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG2	15	0.59
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG3	15	0.59
(1,503)	1:510:A:ASN:H	1:510:A:ASN:HB3	16	0.59
(1,503)	1:510:A:ASN:H	1:510:A:ASN:HB3	18	0.59
(1,405)	1:502:A:ARG:H	1:504:A:ILE:H	1	0.59
(1,405)	1:502:A:ARG:H	1:504:A:ILE:H	14	0.59
(1,403)	1:491:A:ILE:HD11	1:493:A:VAL:H	20	0.59
(1,403)	1:491:A:ILE:HD12	1:493:A:VAL:H	20	0.59
(1,403)	1:491:A:ILE:HD13	1:493:A:VAL:H	20	0.59
(1,358)	1:491:A:ILE:HG21	1:557:A:MET:H	14	0.59
(1,358)	1:491:A:ILE:HG22	1:557:A:MET:H	14	0.59
(1,358)	1:491:A:ILE:HG23	1:557:A:MET:H	14	0.59
(1,303)	1:491:A:ILE:H	1:528:A:HIS:HB3	6	0.59
(1,189)	1:490:A:ARG:H	1:557:A:MET:HB3	1	0.59
(1,124)	1:557:A:MET:HB3	1:558:A:GLN:H	13	0.59
(1,124)	1:557:A:MET:HB3	1:558:A:GLN:H	14	0.59
(1,101)	1:488:A:LEU:H	1:562:A:ASP:H	8	0.59
(1,101)	1:488:A:LEU:H	1:562:A:ASP:H	15	0.59
(1,62)	1:489:A:TYR:H	1:559:A:LEU:HA	10	0.59
(1,62)	1:489:A:TYR:H	1:559:A:LEU:HA	17	0.59
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB2	5	0.58
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB3	5	0.58
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG2	1	0.58
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG3	1	0.58
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD21	11	0.58
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD22	11	0.58
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD23	11	0.58
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD21	11	0.58
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD22	11	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD23	11	0.58
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG2	7	0.58
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG2	7	0.58
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG3	7	0.58
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG3	7	0.58
(1,913)	1:548:A:THR:HA	1:549:A:ARG:HB3	18	0.58
(1,913)	1:548:A:THR:HA	1:549:A:ARG:HB3	20	0.58
(1,904)	1:533:A:LEU:HD21	1:534:A:PRO:HD3	19	0.58
(1,904)	1:533:A:LEU:HD22	1:534:A:PRO:HD3	19	0.58
(1,904)	1:533:A:LEU:HD23	1:534:A:PRO:HD3	19	0.58
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD11	11	0.58
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD12	11	0.58
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD13	11	0.58
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD11	11	0.58
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD12	11	0.58
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD13	11	0.58
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD11	11	0.58
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD12	11	0.58
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD13	11	0.58
(1,706)	1:490:A:ARG:HG3	1:491:A:ILE:HA	3	0.58
(1,706)	1:490:A:ARG:HG3	1:491:A:ILE:HA	4	0.58
(1,703)	1:491:A:ILE:HA	1:556:A:ASN:HB2	1	0.58
(1,684)	1:483:A:VAL:HG21	1:538:A:PRO:HD2	1	0.58
(1,684)	1:483:A:VAL:HG22	1:538:A:PRO:HD2	1	0.58
(1,684)	1:483:A:VAL:HG23	1:538:A:PRO:HD2	1	0.58
(1,658)	1:541:A:VAL:HG11	1:542:A:LEU:HB2	17	0.58
(1,658)	1:541:A:VAL:HG12	1:542:A:LEU:HB2	17	0.58
(1,658)	1:541:A:VAL:HG13	1:542:A:LEU:HB2	17	0.58
(1,403)	1:491:A:ILE:HD11	1:493:A:VAL:H	9	0.58
(1,403)	1:491:A:ILE:HD12	1:493:A:VAL:H	9	0.58
(1,403)	1:491:A:ILE:HD13	1:493:A:VAL:H	9	0.58
(1,281)	1:514:A:ILE:H	1:514:A:ILE:HG12	20	0.58
(1,277)	1:483:A:VAL:H	1:483:A:VAL:HB	4	0.58
(1,263)	1:512:A:GLY:H	1:513:A:ASP:H	7	0.58
(1,263)	1:512:A:GLY:H	1:513:A:ASP:H	14	0.58
(1,124)	1:557:A:MET:HB3	1:558:A:GLN:H	6	0.58
(1,62)	1:489:A:TYR:H	1:559:A:LEU:HA	14	0.58
(1,62)	1:489:A:TYR:H	1:559:A:LEU:HA	15	0.58
(1,59)	1:489:A:TYR:H	1:530:A:THR:HB	4	0.58
(1,59)	1:489:A:TYR:H	1:530:A:THR:HB	5	0.58
(1,31)	1:500:A:GLU:H	1:500:A:GLU:HG3	2	0.58
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD2	1	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD3	1	0.57
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD2	5	0.57
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD3	5	0.57
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD2	11	0.57
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD3	11	0.57
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD2	14	0.57
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD3	14	0.57
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD2	15	0.57
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD3	15	0.57
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD2	19	0.57
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD3	19	0.57
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB2	8	0.57
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB3	8	0.57
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB2	13	0.57
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB3	13	0.57
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG2	5	0.57
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG3	5	0.57
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD21	18	0.57
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD22	18	0.57
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD23	18	0.57
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD21	18	0.57
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD22	18	0.57
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD23	18	0.57
(1,942)	1:486:A:MET:HB2	1:487:A:GLN:H	4	0.57
(1,942)	1:486:A:MET:HB3	1:487:A:GLN:H	4	0.57
(1,942)	1:486:A:MET:HB2	1:487:A:GLN:H	6	0.57
(1,942)	1:486:A:MET:HB3	1:487:A:GLN:H	6	0.57
(1,942)	1:486:A:MET:HB2	1:487:A:GLN:H	11	0.57
(1,942)	1:486:A:MET:HB3	1:487:A:GLN:H	11	0.57
(1,942)	1:486:A:MET:HB2	1:487:A:GLN:H	12	0.57
(1,942)	1:486:A:MET:HB3	1:487:A:GLN:H	12	0.57
(1,942)	1:486:A:MET:HB2	1:487:A:GLN:H	19	0.57
(1,942)	1:486:A:MET:HB3	1:487:A:GLN:H	19	0.57
(1,913)	1:548:A:THR:HA	1:549:A:ARG:HB3	16	0.57
(1,706)	1:490:A:ARG:HG3	1:491:A:ILE:HA	1	0.57
(1,706)	1:490:A:ARG:HG3	1:491:A:ILE:HA	2	0.57
(1,706)	1:490:A:ARG:HG3	1:491:A:ILE:HA	12	0.57
(1,403)	1:491:A:ILE:HD11	1:493:A:VAL:H	6	0.57
(1,403)	1:491:A:ILE:HD12	1:493:A:VAL:H	6	0.57
(1,403)	1:491:A:ILE:HD13	1:493:A:VAL:H	6	0.57
(1,351)	1:492:A:GLU:H	1:557:A:MET:H	10	0.57
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG21	14	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG22	14	0.57
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG23	14	0.57
(1,310)	1:513:A:ASP:H	1:514:A:ILE:HG12	18	0.57
(1,306)	1:542:A:LEU:HB3	1:544:A:HIS:H	6	0.57
(1,277)	1:483:A:VAL:H	1:483:A:VAL:HB	19	0.57
(1,263)	1:512:A:GLY:H	1:513:A:ASP:H	8	0.57
(1,263)	1:512:A:GLY:H	1:513:A:ASP:H	10	0.57
(1,263)	1:512:A:GLY:H	1:513:A:ASP:H	11	0.57
(1,156)	1:485:A:ASP:H	1:537:A:MET:H	7	0.57
(1,101)	1:488:A:LEU:H	1:562:A:ASP:H	4	0.57
(1,62)	1:489:A:TYR:H	1:559:A:LEU:HA	1	0.57
(1,62)	1:489:A:TYR:H	1:559:A:LEU:HA	5	0.57
(1,62)	1:489:A:TYR:H	1:559:A:LEU:HA	6	0.57
(1,62)	1:489:A:TYR:H	1:559:A:LEU:HA	11	0.57
(1,62)	1:489:A:TYR:H	1:559:A:LEU:HA	12	0.57
(1,59)	1:489:A:TYR:H	1:530:A:THR:HB	6	0.57
(1,59)	1:489:A:TYR:H	1:530:A:THR:HB	14	0.57
(1,31)	1:500:A:GLU:H	1:500:A:GLU:HG3	8	0.57
(1,31)	1:500:A:GLU:H	1:500:A:GLU:HG3	15	0.57
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD2	2	0.56
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD3	2	0.56
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD2	7	0.56
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD3	7	0.56
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD2	8	0.56
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD3	8	0.56
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD2	12	0.56
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD3	12	0.56
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD11	9	0.56
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD12	9	0.56
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD13	9	0.56
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD21	9	0.56
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD22	9	0.56
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD23	9	0.56
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD11	14	0.56
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD12	14	0.56
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD13	14	0.56
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD21	14	0.56
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD22	14	0.56
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD23	14	0.56
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD11	19	0.56
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD12	19	0.56
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD13	19	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD21	19	0.56
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD22	19	0.56
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD23	19	0.56
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB2	4	0.56
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB3	4	0.56
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB2	11	0.56
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB3	11	0.56
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG2	10	0.56
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG3	10	0.56
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG2	3	0.56
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG2	3	0.56
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG3	3	0.56
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG3	3	0.56
(1,942)	1:486:A:MET:HB2	1:487:A:GLN:H	3	0.56
(1,942)	1:486:A:MET:HB3	1:487:A:GLN:H	3	0.56
(1,942)	1:486:A:MET:HB2	1:487:A:GLN:H	7	0.56
(1,942)	1:486:A:MET:HB3	1:487:A:GLN:H	7	0.56
(1,913)	1:548:A:THR:HA	1:549:A:ARG:HB3	1	0.56
(1,904)	1:533:A:LEU:HD21	1:534:A:PRO:HD3	20	0.56
(1,904)	1:533:A:LEU:HD22	1:534:A:PRO:HD3	20	0.56
(1,904)	1:533:A:LEU:HD23	1:534:A:PRO:HD3	20	0.56
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD11	1	0.56
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD12	1	0.56
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD13	1	0.56
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD11	1	0.56
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD12	1	0.56
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD13	1	0.56
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD11	1	0.56
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD12	1	0.56
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD13	1	0.56
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD11	16	0.56
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD12	16	0.56
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD13	16	0.56
(1,775)	1:523:A:LYS:HG3	1:525:A:PHE:HA	11	0.56
(1,713)	1:491:A:ILE:HG21	1:555:A:MET:HB3	9	0.56
(1,713)	1:491:A:ILE:HG22	1:555:A:MET:HB3	9	0.56
(1,713)	1:491:A:ILE:HG23	1:555:A:MET:HB3	9	0.56
(1,703)	1:491:A:ILE:HA	1:556:A:ASN:HB2	15	0.56
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG2	3	0.56
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG3	3	0.56
(1,494)	1:523:A:LYS:H	1:523:A:LYS:HE2	6	0.56
(1,494)	1:523:A:LYS:H	1:523:A:LYS:HE3	6	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,351)	1:492:A:GLU:H	1:557:A:MET:H	9	0.56
(1,306)	1:542:A:LEU:HB3	1:544:A:HIS:H	12	0.56
(1,303)	1:491:A:ILE:H	1:528:A:HIS:HB3	3	0.56
(1,277)	1:483:A:VAL:H	1:483:A:VAL:HB	17	0.56
(1,277)	1:483:A:VAL:H	1:483:A:VAL:HB	20	0.56
(1,263)	1:512:A:GLY:H	1:513:A:ASP:H	4	0.56
(1,263)	1:512:A:GLY:H	1:513:A:ASP:H	5	0.56
(1,263)	1:512:A:GLY:H	1:513:A:ASP:H	18	0.56
(1,156)	1:485:A:ASP:H	1:537:A:MET:H	14	0.56
(1,101)	1:488:A:LEU:H	1:562:A:ASP:H	7	0.56
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD21	7	0.56
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD22	7	0.56
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD23	7	0.56
(1,62)	1:489:A:TYR:H	1:559:A:LEU:HA	8	0.56
(1,62)	1:489:A:TYR:H	1:559:A:LEU:HA	9	0.56
(1,62)	1:489:A:TYR:H	1:559:A:LEU:HA	20	0.56
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG2	13	0.55
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG3	13	0.55
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD2	10	0.55
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD3	10	0.55
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB2	15	0.55
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB3	15	0.55
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG2	12	0.55
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG2	12	0.55
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG3	12	0.55
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG3	12	0.55
(1,913)	1:548:A:THR:HA	1:549:A:ARG:HB3	10	0.55
(1,913)	1:548:A:THR:HA	1:549:A:ARG:HB3	12	0.55
(1,913)	1:548:A:THR:HA	1:549:A:ARG:HB3	17	0.55
(1,904)	1:533:A:LEU:HD21	1:534:A:PRO:HD3	9	0.55
(1,904)	1:533:A:LEU:HD22	1:534:A:PRO:HD3	9	0.55
(1,904)	1:533:A:LEU:HD23	1:534:A:PRO:HD3	9	0.55
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD11	15	0.55
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD12	15	0.55
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD13	15	0.55
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD11	15	0.55
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD12	15	0.55
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD13	15	0.55
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD11	15	0.55
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD12	15	0.55
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD13	15	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD11	2	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD12	2	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD13	2	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD11	3	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD12	3	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD13	3	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD11	4	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD12	4	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD13	4	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD11	5	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD12	5	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD13	5	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD11	6	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD12	6	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD13	6	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD11	7	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD12	7	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD13	7	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD11	11	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD12	11	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD13	11	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD11	13	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD12	13	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD13	13	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD11	17	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD12	17	0.55
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD13	17	0.55
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD11	13	0.55
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD12	13	0.55
(1,790)	1:501:A:VAL:HG11	1:522:A:ILE:HD13	13	0.55
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD11	13	0.55
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD12	13	0.55
(1,790)	1:501:A:VAL:HG12	1:522:A:ILE:HD13	13	0.55
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD11	13	0.55
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD12	13	0.55
(1,790)	1:501:A:VAL:HG13	1:522:A:ILE:HD13	13	0.55
(1,775)	1:523:A:LYS:HG3	1:525:A:PHE:HA	9	0.55
(1,775)	1:523:A:LYS:HG3	1:525:A:PHE:HA	18	0.55
(1,703)	1:491:A:ILE:HA	1:556:A:ASN:HB2	8	0.55
(1,703)	1:491:A:ILE:HA	1:556:A:ASN:HB2	16	0.55
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG21	18	0.55
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG22	18	0.55
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG23	18	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG21	20	0.55
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG22	20	0.55
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG23	20	0.55
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG2	6	0.55
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG3	6	0.55
(1,494)	1:523:A:LYS:H	1:523:A:LYS:HE2	8	0.55
(1,494)	1:523:A:LYS:H	1:523:A:LYS:HE3	8	0.55
(1,494)	1:523:A:LYS:H	1:523:A:LYS:HE2	15	0.55
(1,494)	1:523:A:LYS:H	1:523:A:LYS:HE3	15	0.55
(1,494)	1:523:A:LYS:H	1:523:A:LYS:HE2	17	0.55
(1,494)	1:523:A:LYS:H	1:523:A:LYS:HE3	17	0.55
(1,455)	1:535:A:LYS:HG2	1:536:A:GLY:H	13	0.55
(1,403)	1:491:A:ILE:HD11	1:493:A:VAL:H	1	0.55
(1,403)	1:491:A:ILE:HD12	1:493:A:VAL:H	1	0.55
(1,403)	1:491:A:ILE:HD13	1:493:A:VAL:H	1	0.55
(1,403)	1:491:A:ILE:HD11	1:493:A:VAL:H	16	0.55
(1,403)	1:491:A:ILE:HD12	1:493:A:VAL:H	16	0.55
(1,403)	1:491:A:ILE:HD13	1:493:A:VAL:H	16	0.55
(1,403)	1:491:A:ILE:HD11	1:493:A:VAL:H	18	0.55
(1,403)	1:491:A:ILE:HD12	1:493:A:VAL:H	18	0.55
(1,403)	1:491:A:ILE:HD13	1:493:A:VAL:H	18	0.55
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG21	5	0.55
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG22	5	0.55
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG23	5	0.55
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG21	8	0.55
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG22	8	0.55
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG23	8	0.55
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG21	12	0.55
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG22	12	0.55
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG23	12	0.55
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG21	16	0.55
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG22	16	0.55
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG23	16	0.55
(1,306)	1:542:A:LEU:HB3	1:544:A:HIS:H	3	0.55
(1,304)	1:538:A:PRO:HB2	1:542:A:LEU:H	18	0.55
(1,303)	1:491:A:ILE:H	1:528:A:HIS:HB3	8	0.55
(1,281)	1:514:A:ILE:H	1:514:A:ILE:HG12	19	0.55
(1,277)	1:483:A:VAL:H	1:483:A:VAL:HB	3	0.55
(1,277)	1:483:A:VAL:H	1:483:A:VAL:HB	13	0.55
(1,156)	1:485:A:ASP:H	1:537:A:MET:H	5	0.55
(1,156)	1:485:A:ASP:H	1:537:A:MET:H	8	0.55
(1,156)	1:485:A:ASP:H	1:537:A:MET:H	13	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,156)	1:485:A:ASP:H	1:537:A:MET:H	16	0.55
(1,124)	1:557:A:MET:HB3	1:558:A:GLN:H	4	0.55
(1,124)	1:557:A:MET:HB3	1:558:A:GLN:H	9	0.55
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD21	6	0.55
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD22	6	0.55
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD23	6	0.55
(1,62)	1:489:A:TYR:H	1:559:A:LEU:HA	4	0.55
(1,62)	1:489:A:TYR:H	1:559:A:LEU:HA	7	0.55
(1,62)	1:489:A:TYR:H	1:559:A:LEU:HA	16	0.55
(1,59)	1:489:A:TYR:H	1:530:A:THR:HB	20	0.55
(1,38)	1:551:A:LEU:H	1:553:A:LYS:H	3	0.55
(1,31)	1:500:A:GLU:H	1:500:A:GLU:HG3	10	0.55
(1,31)	1:500:A:GLU:H	1:500:A:GLU:HG3	13	0.55
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG2	8	0.54
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG3	8	0.54
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD2	6	0.54
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD3	6	0.54
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD2	20	0.54
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD3	20	0.54
(1,942)	1:486:A:MET:HB2	1:487:A:GLN:H	13	0.54
(1,942)	1:486:A:MET:HB3	1:487:A:GLN:H	13	0.54
(1,942)	1:486:A:MET:HB2	1:487:A:GLN:H	15	0.54
(1,942)	1:486:A:MET:HB3	1:487:A:GLN:H	15	0.54
(1,942)	1:486:A:MET:HB2	1:487:A:GLN:H	18	0.54
(1,942)	1:486:A:MET:HB3	1:487:A:GLN:H	18	0.54
(1,913)	1:548:A:THR:HA	1:549:A:ARG:HB3	8	0.54
(1,913)	1:548:A:THR:HA	1:549:A:ARG:HB3	11	0.54
(1,913)	1:548:A:THR:HA	1:549:A:ARG:HB3	14	0.54
(1,913)	1:548:A:THR:HA	1:549:A:ARG:HB3	19	0.54
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD11	8	0.54
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD12	8	0.54
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD13	8	0.54
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD11	9	0.54
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD12	9	0.54
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD13	9	0.54
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD11	12	0.54
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD12	12	0.54
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD13	12	0.54
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD11	15	0.54
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD12	15	0.54
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD13	15	0.54
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD11	18	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD12	18	0.54
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD13	18	0.54
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD11	19	0.54
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD12	19	0.54
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD13	19	0.54
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD11	20	0.54
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD12	20	0.54
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD13	20	0.54
(1,706)	1:490:A:ARG:HG3	1:491:A:ILE:HA	20	0.54
(1,539)	1:540:A:GLU:HB2	1:541:A:VAL:HB	13	0.54
(1,539)	1:540:A:GLU:HB2	1:541:A:VAL:HB	18	0.54
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG2	17	0.54
(1,534)	1:533:A:LEU:HB3	1:534:A:PRO:HG3	17	0.54
(1,455)	1:535:A:LYS:HG2	1:536:A:GLY:H	9	0.54
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG21	1	0.54
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG22	1	0.54
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG23	1	0.54
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG21	10	0.54
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG22	10	0.54
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG23	10	0.54
(1,306)	1:542:A:LEU:HB3	1:544:A:HIS:H	10	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG21	1	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG22	1	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG23	1	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG21	2	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG22	2	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG23	2	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG21	3	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG22	3	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG23	3	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG21	4	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG22	4	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG23	4	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG21	5	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG22	5	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG23	5	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG21	6	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG22	6	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG23	6	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG21	7	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG22	7	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG23	7	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG21	8	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG22	8	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG23	8	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG21	9	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG22	9	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG23	9	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG21	10	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG22	10	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG23	10	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG21	11	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG22	11	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG23	11	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG21	12	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG22	12	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG23	12	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG21	13	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG22	13	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG23	13	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG21	14	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG22	14	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG23	14	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG21	15	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG22	15	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG23	15	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG21	16	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG22	16	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG23	16	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG21	17	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG22	17	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG23	17	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG21	18	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG22	18	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG23	18	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG21	19	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG22	19	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG23	19	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG21	20	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG22	20	0.54
(1,290)	1:514:A:ILE:H	1:514:A:ILE:HG23	20	0.54
(1,281)	1:514:A:ILE:H	1:514:A:ILE:HG12	3	0.54
(1,277)	1:483:A:VAL:H	1:483:A:VAL:HB	2	0.54
(1,277)	1:483:A:VAL:H	1:483:A:VAL:HB	6	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,277)	1:483:A:VAL:H	1:483:A:VAL:HB	7	0.54
(1,277)	1:483:A:VAL:H	1:483:A:VAL:HB	10	0.54
(1,277)	1:483:A:VAL:H	1:483:A:VAL:HB	15	0.54
(1,277)	1:483:A:VAL:H	1:483:A:VAL:HB	16	0.54
(1,263)	1:512:A:GLY:H	1:513:A:ASP:H	2	0.54
(1,156)	1:485:A:ASP:H	1:537:A:MET:H	4	0.54
(1,124)	1:557:A:MET:HB3	1:558:A:GLN:H	12	0.54
(1,101)	1:488:A:LEU:H	1:562:A:ASP:H	5	0.54
(1,101)	1:488:A:LEU:H	1:562:A:ASP:H	12	0.54
(1,101)	1:488:A:LEU:H	1:562:A:ASP:H	14	0.54
(1,89)	1:558:A:GLN:H	1:558:A:GLN:HB3	6	0.54
(1,89)	1:558:A:GLN:H	1:558:A:GLN:HB3	7	0.54
(1,89)	1:558:A:GLN:H	1:558:A:GLN:HB3	8	0.54
(1,89)	1:558:A:GLN:H	1:558:A:GLN:HB3	10	0.54
(1,89)	1:558:A:GLN:H	1:558:A:GLN:HB3	12	0.54
(1,89)	1:558:A:GLN:H	1:558:A:GLN:HB3	15	0.54
(1,89)	1:558:A:GLN:H	1:558:A:GLN:HB3	16	0.54
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD21	10	0.54
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD22	10	0.54
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD23	10	0.54
(1,69)	1:488:A:LEU:HG	1:489:A:TYR:H	4	0.54
(1,59)	1:489:A:TYR:H	1:530:A:THR:HB	2	0.54
(1,49)	1:563:A:ALA:HB1	1:564:A:GLN:H	7	0.54
(1,49)	1:563:A:ALA:HB2	1:564:A:GLN:H	7	0.54
(1,49)	1:563:A:ALA:HB3	1:564:A:GLN:H	7	0.54
(1,38)	1:551:A:LEU:H	1:553:A:LYS:H	2	0.54
(1,38)	1:551:A:LEU:H	1:553:A:LYS:H	5	0.54
(1,38)	1:551:A:LEU:H	1:553:A:LYS:H	6	0.54
(1,38)	1:551:A:LEU:H	1:553:A:LYS:H	7	0.54
(1,38)	1:551:A:LEU:H	1:553:A:LYS:H	12	0.54
(1,38)	1:551:A:LEU:H	1:553:A:LYS:H	13	0.54
(1,38)	1:551:A:LEU:H	1:553:A:LYS:H	15	0.54
(1,38)	1:551:A:LEU:H	1:553:A:LYS:H	17	0.54
(1,38)	1:551:A:LEU:H	1:553:A:LYS:H	18	0.54
(1,31)	1:500:A:GLU:H	1:500:A:GLU:HG3	19	0.54
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD11	2	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD12	2	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD13	2	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD21	2	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD22	2	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD23	2	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD11	6	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD12	6	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD13	6	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD21	6	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD22	6	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD23	6	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD11	7	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD12	7	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD13	7	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD21	7	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD22	7	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD23	7	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD11	8	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD12	8	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD13	8	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD21	8	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD22	8	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD23	8	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD11	9	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD12	9	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD13	9	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD21	9	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD22	9	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD23	9	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD11	14	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD12	14	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD13	14	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD21	14	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD22	14	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD23	14	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD11	16	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD12	16	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD13	16	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD21	16	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD22	16	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD23	16	0.53
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD2	17	0.53
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD3	17	0.53
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD11	2	0.53
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD12	2	0.53
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD13	2	0.53
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD21	2	0.53
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD22	2	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD23	2	0.53
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD11	3	0.53
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD12	3	0.53
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD13	3	0.53
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD21	3	0.53
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD22	3	0.53
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD23	3	0.53
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB2	7	0.53
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB3	7	0.53
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG2	3	0.53
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG3	3	0.53
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG2	9	0.53
(1,976)	1:491:A:ILE:HA	1:492:A:GLU:HG3	9	0.53
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD21	9	0.53
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD22	9	0.53
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD23	9	0.53
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD21	9	0.53
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD22	9	0.53
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD23	9	0.53
(1,913)	1:548:A:THR:HA	1:549:A:ARG:HB3	7	0.53
(1,904)	1:533:A:LEU:HD21	1:534:A:PRO:HD3	1	0.53
(1,904)	1:533:A:LEU:HD22	1:534:A:PRO:HD3	1	0.53
(1,904)	1:533:A:LEU:HD23	1:534:A:PRO:HD3	1	0.53
(1,904)	1:533:A:LEU:HD21	1:534:A:PRO:HD3	2	0.53
(1,904)	1:533:A:LEU:HD22	1:534:A:PRO:HD3	2	0.53
(1,904)	1:533:A:LEU:HD23	1:534:A:PRO:HD3	2	0.53
(1,904)	1:533:A:LEU:HD21	1:534:A:PRO:HD3	3	0.53
(1,904)	1:533:A:LEU:HD22	1:534:A:PRO:HD3	3	0.53
(1,904)	1:533:A:LEU:HD23	1:534:A:PRO:HD3	3	0.53
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD11	1	0.53
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD12	1	0.53
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD13	1	0.53
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD11	10	0.53
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD12	10	0.53
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD13	10	0.53
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD21	11	0.53
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD22	11	0.53
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD23	11	0.53
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD21	11	0.53
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD22	11	0.53
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD23	11	0.53
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD21	11	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD22	11	0.53
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD23	11	0.53
(1,658)	1:541:A:VAL:HG11	1:542:A:LEU:HB2	7	0.53
(1,658)	1:541:A:VAL:HG12	1:542:A:LEU:HB2	7	0.53
(1,658)	1:541:A:VAL:HG13	1:542:A:LEU:HB2	7	0.53
(1,494)	1:523:A:LYS:H	1:523:A:LYS:HE2	20	0.53
(1,494)	1:523:A:LYS:H	1:523:A:LYS:HE3	20	0.53
(1,441)	1:482:A:ASP:HA	1:484:A:GLY:H	5	0.53
(1,441)	1:482:A:ASP:HA	1:484:A:GLY:H	9	0.53
(1,351)	1:492:A:GLU:H	1:557:A:MET:H	19	0.53
(1,306)	1:542:A:LEU:HB3	1:544:A:HIS:H	1	0.53
(1,304)	1:538:A:PRO:HB2	1:542:A:LEU:H	11	0.53
(1,303)	1:491:A:ILE:H	1:528:A:HIS:HB3	13	0.53
(1,281)	1:514:A:ILE:H	1:514:A:ILE:HG12	6	0.53
(1,281)	1:514:A:ILE:H	1:514:A:ILE:HG12	17	0.53
(1,263)	1:512:A:GLY:H	1:513:A:ASP:H	12	0.53
(1,156)	1:485:A:ASP:H	1:537:A:MET:H	2	0.53
(1,156)	1:485:A:ASP:H	1:537:A:MET:H	9	0.53
(1,156)	1:485:A:ASP:H	1:537:A:MET:H	17	0.53
(1,156)	1:485:A:ASP:H	1:537:A:MET:H	20	0.53
(1,124)	1:557:A:MET:HB3	1:558:A:GLN:H	5	0.53
(1,101)	1:488:A:LEU:H	1:562:A:ASP:H	1	0.53
(1,101)	1:488:A:LEU:H	1:562:A:ASP:H	9	0.53
(1,101)	1:488:A:LEU:H	1:562:A:ASP:H	17	0.53
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD21	1	0.53
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD22	1	0.53
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD23	1	0.53
(1,38)	1:551:A:LEU:H	1:553:A:LYS:H	1	0.53
(1,38)	1:551:A:LEU:H	1:553:A:LYS:H	4	0.53
(1,38)	1:551:A:LEU:H	1:553:A:LYS:H	8	0.53
(1,38)	1:551:A:LEU:H	1:553:A:LYS:H	9	0.53
(1,38)	1:551:A:LEU:H	1:553:A:LYS:H	10	0.53
(1,38)	1:551:A:LEU:H	1:553:A:LYS:H	11	0.53
(1,38)	1:551:A:LEU:H	1:553:A:LYS:H	14	0.53
(1,38)	1:551:A:LEU:H	1:553:A:LYS:H	19	0.53
(1,38)	1:551:A:LEU:H	1:553:A:LYS:H	20	0.53
(1,31)	1:500:A:GLU:H	1:500:A:GLU:HG3	4	0.53
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD11	1	0.52
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD12	1	0.52
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD13	1	0.52
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD21	1	0.52
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD22	1	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD23	1	0.52
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD11	5	0.52
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD12	5	0.52
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD13	5	0.52
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD21	5	0.52
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD22	5	0.52
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD23	5	0.52
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD11	17	0.52
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD12	17	0.52
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD13	17	0.52
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD21	17	0.52
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD22	17	0.52
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD23	17	0.52
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG2	2	0.52
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG3	2	0.52
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG2	3	0.52
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG3	3	0.52
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG2	7	0.52
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG3	7	0.52
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG2	14	0.52
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG3	14	0.52
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD11	8	0.52
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD12	8	0.52
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD13	8	0.52
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD21	8	0.52
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD22	8	0.52
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD23	8	0.52
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD11	10	0.52
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD12	10	0.52
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD13	10	0.52
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD21	10	0.52
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD22	10	0.52
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD23	10	0.52
(1,913)	1:548:A:THR:HA	1:549:A:ARG:HB3	9	0.52
(1,904)	1:533:A:LEU:HD21	1:534:A:PRO:HD3	10	0.52
(1,904)	1:533:A:LEU:HD22	1:534:A:PRO:HD3	10	0.52
(1,904)	1:533:A:LEU:HD23	1:534:A:PRO:HD3	10	0.52
(1,904)	1:533:A:LEU:HD21	1:534:A:PRO:HD3	14	0.52
(1,904)	1:533:A:LEU:HD22	1:534:A:PRO:HD3	14	0.52
(1,904)	1:533:A:LEU:HD23	1:534:A:PRO:HD3	14	0.52
(1,814)	1:550:A:ILE:HG21	1:555:A:MET:HB3	7	0.52
(1,814)	1:550:A:ILE:HG22	1:555:A:MET:HB3	7	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	1:550:A:ILE:HG23	1:555:A:MET:HB3	7	0.52
(1,814)	1:550:A:ILE:HG21	1:555:A:MET:HB3	8	0.52
(1,814)	1:550:A:ILE:HG22	1:555:A:MET:HB3	8	0.52
(1,814)	1:550:A:ILE:HG23	1:555:A:MET:HB3	8	0.52
(1,814)	1:550:A:ILE:HG21	1:555:A:MET:HB3	11	0.52
(1,814)	1:550:A:ILE:HG22	1:555:A:MET:HB3	11	0.52
(1,814)	1:550:A:ILE:HG23	1:555:A:MET:HB3	11	0.52
(1,706)	1:490:A:ARG:HG3	1:491:A:ILE:HA	6	0.52
(1,706)	1:490:A:ARG:HG3	1:491:A:ILE:HA	16	0.52
(1,633)	1:549:A:ARG:HB3	1:554:A:PRO:HA	9	0.52
(1,633)	1:549:A:ARG:HB3	1:554:A:PRO:HA	14	0.52
(1,609)	1:486:A:MET:HA	1:534:A:PRO:HA	3	0.52
(1,609)	1:486:A:MET:HA	1:534:A:PRO:HA	6	0.52
(1,609)	1:486:A:MET:HA	1:534:A:PRO:HA	8	0.52
(1,609)	1:486:A:MET:HA	1:534:A:PRO:HA	14	0.52
(1,606)	1:514:A:ILE:HG21	1:533:A:LEU:HB3	18	0.52
(1,606)	1:514:A:ILE:HG22	1:533:A:LEU:HB3	18	0.52
(1,606)	1:514:A:ILE:HG23	1:533:A:LEU:HB3	18	0.52
(1,539)	1:540:A:GLU:HB2	1:541:A:VAL:HB	20	0.52
(1,441)	1:482:A:ASP:HA	1:484:A:GLY:H	3	0.52
(1,441)	1:482:A:ASP:HA	1:484:A:GLY:H	18	0.52
(1,313)	1:541:A:VAL:HG11	1:542:A:LEU:H	12	0.52
(1,313)	1:541:A:VAL:HG12	1:542:A:LEU:H	12	0.52
(1,313)	1:541:A:VAL:HG13	1:542:A:LEU:H	12	0.52
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG21	15	0.52
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG22	15	0.52
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG23	15	0.52
(1,306)	1:542:A:LEU:HB3	1:544:A:HIS:H	5	0.52
(1,306)	1:542:A:LEU:HB3	1:544:A:HIS:H	16	0.52
(1,304)	1:538:A:PRO:HB2	1:542:A:LEU:H	12	0.52
(1,281)	1:514:A:ILE:H	1:514:A:ILE:HG12	9	0.52
(1,277)	1:483:A:VAL:H	1:483:A:VAL:HB	11	0.52
(1,277)	1:483:A:VAL:H	1:483:A:VAL:HB	12	0.52
(1,156)	1:485:A:ASP:H	1:537:A:MET:H	1	0.52
(1,156)	1:485:A:ASP:H	1:537:A:MET:H	6	0.52
(1,156)	1:485:A:ASP:H	1:537:A:MET:H	10	0.52
(1,156)	1:485:A:ASP:H	1:537:A:MET:H	15	0.52
(1,101)	1:488:A:LEU:H	1:562:A:ASP:H	2	0.52
(1,89)	1:558:A:GLN:H	1:558:A:GLN:HB3	11	0.52
(1,89)	1:558:A:GLN:H	1:558:A:GLN:HB3	18	0.52
(1,89)	1:558:A:GLN:H	1:558:A:GLN:HB3	19	0.52
(1,89)	1:558:A:GLN:H	1:558:A:GLN:HB3	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD21	16	0.52
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD22	16	0.52
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD23	16	0.52
(1,59)	1:489:A:TYR:H	1:530:A:THR:HB	7	0.52
(1,59)	1:489:A:TYR:H	1:530:A:THR:HB	17	0.52
(1,43)	1:551:A:LEU:H	1:552:A:ASN:HB2	18	0.52
(1,38)	1:551:A:LEU:H	1:553:A:LYS:H	16	0.52
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD11	20	0.51
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD12	20	0.51
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD13	20	0.51
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD21	20	0.51
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD22	20	0.51
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD23	20	0.51
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG2	16	0.51
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG3	16	0.51
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG2	18	0.51
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG3	18	0.51
(1,1120)	1:545:A:PHE:HB2	1:546:A:THR:H	1	0.51
(1,1120)	1:545:A:PHE:HB3	1:546:A:THR:H	1	0.51
(1,1120)	1:545:A:PHE:HB2	1:546:A:THR:H	2	0.51
(1,1120)	1:545:A:PHE:HB3	1:546:A:THR:H	2	0.51
(1,1120)	1:545:A:PHE:HB2	1:546:A:THR:H	3	0.51
(1,1120)	1:545:A:PHE:HB3	1:546:A:THR:H	3	0.51
(1,1120)	1:545:A:PHE:HB2	1:546:A:THR:H	4	0.51
(1,1120)	1:545:A:PHE:HB3	1:546:A:THR:H	4	0.51
(1,1120)	1:545:A:PHE:HB2	1:546:A:THR:H	5	0.51
(1,1120)	1:545:A:PHE:HB3	1:546:A:THR:H	5	0.51
(1,1120)	1:545:A:PHE:HB2	1:546:A:THR:H	6	0.51
(1,1120)	1:545:A:PHE:HB3	1:546:A:THR:H	6	0.51
(1,1120)	1:545:A:PHE:HB2	1:546:A:THR:H	7	0.51
(1,1120)	1:545:A:PHE:HB3	1:546:A:THR:H	7	0.51
(1,1120)	1:545:A:PHE:HB2	1:546:A:THR:H	8	0.51
(1,1120)	1:545:A:PHE:HB3	1:546:A:THR:H	8	0.51
(1,1120)	1:545:A:PHE:HB2	1:546:A:THR:H	9	0.51
(1,1120)	1:545:A:PHE:HB3	1:546:A:THR:H	9	0.51
(1,1120)	1:545:A:PHE:HB2	1:546:A:THR:H	10	0.51
(1,1120)	1:545:A:PHE:HB3	1:546:A:THR:H	10	0.51
(1,1120)	1:545:A:PHE:HB2	1:546:A:THR:H	11	0.51
(1,1120)	1:545:A:PHE:HB3	1:546:A:THR:H	11	0.51
(1,1120)	1:545:A:PHE:HB2	1:546:A:THR:H	12	0.51
(1,1120)	1:545:A:PHE:HB3	1:546:A:THR:H	12	0.51
(1,1120)	1:545:A:PHE:HB2	1:546:A:THR:H	13	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1120)	1:545:A:PHE:HB3	1:546:A:THR:H	13	0.51
(1,1120)	1:545:A:PHE:HB2	1:546:A:THR:H	14	0.51
(1,1120)	1:545:A:PHE:HB3	1:546:A:THR:H	14	0.51
(1,1120)	1:545:A:PHE:HB2	1:546:A:THR:H	15	0.51
(1,1120)	1:545:A:PHE:HB3	1:546:A:THR:H	15	0.51
(1,1120)	1:545:A:PHE:HB2	1:546:A:THR:H	16	0.51
(1,1120)	1:545:A:PHE:HB3	1:546:A:THR:H	16	0.51
(1,1120)	1:545:A:PHE:HB2	1:546:A:THR:H	17	0.51
(1,1120)	1:545:A:PHE:HB3	1:546:A:THR:H	17	0.51
(1,1120)	1:545:A:PHE:HB2	1:546:A:THR:H	18	0.51
(1,1120)	1:545:A:PHE:HB3	1:546:A:THR:H	18	0.51
(1,1120)	1:545:A:PHE:HB2	1:546:A:THR:H	19	0.51
(1,1120)	1:545:A:PHE:HB3	1:546:A:THR:H	19	0.51
(1,1120)	1:545:A:PHE:HB2	1:546:A:THR:H	20	0.51
(1,1120)	1:545:A:PHE:HB3	1:546:A:THR:H	20	0.51
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD11	6	0.51
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD12	6	0.51
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD13	6	0.51
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD21	6	0.51
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD22	6	0.51
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD23	6	0.51
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB2	3	0.51
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB3	3	0.51
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG2	6	0.51
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG2	6	0.51
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG3	6	0.51
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG3	6	0.51
(1,942)	1:486:A:MET:HB2	1:487:A:GLN:H	20	0.51
(1,942)	1:486:A:MET:HB3	1:487:A:GLN:H	20	0.51
(1,913)	1:548:A:THR:HA	1:549:A:ARG:HB3	5	0.51
(1,904)	1:533:A:LEU:HD21	1:534:A:PRO:HD3	8	0.51
(1,904)	1:533:A:LEU:HD22	1:534:A:PRO:HD3	8	0.51
(1,904)	1:533:A:LEU:HD23	1:534:A:PRO:HD3	8	0.51
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD11	14	0.51
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD12	14	0.51
(1,837)	1:500:A:GLU:HA	1:504:A:ILE:HD13	14	0.51
(1,816)	1:497:A:ASP:HA	1:527:A:SER:HA	19	0.51
(1,713)	1:491:A:ILE:HG21	1:555:A:MET:HB3	5	0.51
(1,713)	1:491:A:ILE:HG22	1:555:A:MET:HB3	5	0.51
(1,713)	1:491:A:ILE:HG23	1:555:A:MET:HB3	5	0.51
(1,713)	1:491:A:ILE:HG21	1:555:A:MET:HB3	12	0.51
(1,713)	1:491:A:ILE:HG22	1:555:A:MET:HB3	12	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,713)	1:491:A:ILE:HG23	1:555:A:MET:HB3	12	0.51
(1,706)	1:490:A:ARG:HG3	1:491:A:ILE:HA	18	0.51
(1,658)	1:541:A:VAL:HG11	1:542:A:LEU:HB2	11	0.51
(1,658)	1:541:A:VAL:HG12	1:542:A:LEU:HB2	11	0.51
(1,658)	1:541:A:VAL:HG13	1:542:A:LEU:HB2	11	0.51
(1,633)	1:549:A:ARG:HB3	1:554:A:PRO:HA	8	0.51
(1,633)	1:549:A:ARG:HB3	1:554:A:PRO:HA	13	0.51
(1,633)	1:549:A:ARG:HB3	1:554:A:PRO:HA	16	0.51
(1,609)	1:486:A:MET:HA	1:534:A:PRO:HA	2	0.51
(1,609)	1:486:A:MET:HA	1:534:A:PRO:HA	10	0.51
(1,609)	1:486:A:MET:HA	1:534:A:PRO:HA	17	0.51
(1,606)	1:514:A:ILE:HG21	1:533:A:LEU:HB3	11	0.51
(1,606)	1:514:A:ILE:HG22	1:533:A:LEU:HB3	11	0.51
(1,606)	1:514:A:ILE:HG23	1:533:A:LEU:HB3	11	0.51
(1,539)	1:540:A:GLU:HB2	1:541:A:VAL:HB	2	0.51
(1,455)	1:535:A:LYS:HG2	1:536:A:GLY:H	18	0.51
(1,441)	1:482:A:ASP:HA	1:484:A:GLY:H	4	0.51
(1,310)	1:513:A:ASP:H	1:514:A:ILE:HG12	20	0.51
(1,306)	1:542:A:LEU:HB3	1:544:A:HIS:H	19	0.51
(1,303)	1:491:A:ILE:H	1:528:A:HIS:HB3	12	0.51
(1,281)	1:514:A:ILE:H	1:514:A:ILE:HG12	16	0.51
(1,277)	1:483:A:VAL:H	1:483:A:VAL:HB	14	0.51
(1,156)	1:485:A:ASP:H	1:537:A:MET:H	3	0.51
(1,156)	1:485:A:ASP:H	1:537:A:MET:H	11	0.51
(1,43)	1:551:A:LEU:H	1:552:A:ASN:HB2	12	0.51
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD11	10	0.5
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD12	10	0.5
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD13	10	0.5
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD21	10	0.5
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD22	10	0.5
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD23	10	0.5
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD11	11	0.5
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD12	11	0.5
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD13	11	0.5
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD21	11	0.5
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD22	11	0.5
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD23	11	0.5
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD11	19	0.5
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD12	19	0.5
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD13	19	0.5
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD21	19	0.5
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD22	19	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD23	19	0.5
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG2	12	0.5
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG3	12	0.5
(1,1079)	1:523:A:LYS:HE2	1:524:A:LEU:H	15	0.5
(1,1079)	1:523:A:LYS:HE3	1:524:A:LEU:H	15	0.5
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG2	11	0.5
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG2	11	0.5
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG3	11	0.5
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG3	11	0.5
(1,913)	1:548:A:THR:HA	1:549:A:ARG:HB3	4	0.5
(1,904)	1:533:A:LEU:HD21	1:534:A:PRO:HD3	5	0.5
(1,904)	1:533:A:LEU:HD22	1:534:A:PRO:HD3	5	0.5
(1,904)	1:533:A:LEU:HD23	1:534:A:PRO:HD3	5	0.5
(1,904)	1:533:A:LEU:HD21	1:534:A:PRO:HD3	17	0.5
(1,904)	1:533:A:LEU:HD22	1:534:A:PRO:HD3	17	0.5
(1,904)	1:533:A:LEU:HD23	1:534:A:PRO:HD3	17	0.5
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG21	9	0.5
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG22	9	0.5
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG23	9	0.5
(1,633)	1:549:A:ARG:HB3	1:554:A:PRO:HA	2	0.5
(1,633)	1:549:A:ARG:HB3	1:554:A:PRO:HA	7	0.5
(1,633)	1:549:A:ARG:HB3	1:554:A:PRO:HA	19	0.5
(1,609)	1:486:A:MET:HA	1:534:A:PRO:HA	5	0.5
(1,609)	1:486:A:MET:HA	1:534:A:PRO:HA	7	0.5
(1,609)	1:486:A:MET:HA	1:534:A:PRO:HA	9	0.5
(1,609)	1:486:A:MET:HA	1:534:A:PRO:HA	13	0.5
(1,609)	1:486:A:MET:HA	1:534:A:PRO:HA	15	0.5
(1,609)	1:486:A:MET:HA	1:534:A:PRO:HA	19	0.5
(1,609)	1:486:A:MET:HA	1:534:A:PRO:HA	20	0.5
(1,606)	1:514:A:ILE:HG21	1:533:A:LEU:HB3	7	0.5
(1,606)	1:514:A:ILE:HG22	1:533:A:LEU:HB3	7	0.5
(1,606)	1:514:A:ILE:HG23	1:533:A:LEU:HB3	7	0.5
(1,455)	1:535:A:LYS:HG2	1:536:A:GLY:H	4	0.5
(1,441)	1:482:A:ASP:HA	1:484:A:GLY:H	2	0.5
(1,441)	1:482:A:ASP:HA	1:484:A:GLY:H	6	0.5
(1,441)	1:482:A:ASP:HA	1:484:A:GLY:H	17	0.5
(1,441)	1:482:A:ASP:HA	1:484:A:GLY:H	19	0.5
(1,403)	1:491:A:ILE:HD11	1:493:A:VAL:H	10	0.5
(1,403)	1:491:A:ILE:HD12	1:493:A:VAL:H	10	0.5
(1,403)	1:491:A:ILE:HD13	1:493:A:VAL:H	10	0.5
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG21	3	0.5
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG22	3	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG23	3	0.5
(1,303)	1:491:A:ILE:H	1:528:A:HIS:HB3	9	0.5
(1,303)	1:491:A:ILE:H	1:528:A:HIS:HB3	11	0.5
(1,303)	1:491:A:ILE:H	1:528:A:HIS:HB3	16	0.5
(1,281)	1:514:A:ILE:H	1:514:A:ILE:HG12	2	0.5
(1,277)	1:483:A:VAL:H	1:483:A:VAL:HB	8	0.5
(1,156)	1:485:A:ASP:H	1:537:A:MET:H	19	0.5
(1,101)	1:488:A:LEU:H	1:562:A:ASP:H	18	0.5
(1,89)	1:558:A:GLN:H	1:558:A:GLN:HB3	1	0.5
(1,69)	1:488:A:LEU:HG	1:489:A:TYR:H	5	0.5
(1,49)	1:563:A:ALA:HB1	1:564:A:GLN:H	16	0.5
(1,49)	1:563:A:ALA:HB2	1:564:A:GLN:H	16	0.5
(1,49)	1:563:A:ALA:HB3	1:564:A:GLN:H	16	0.5
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD11	12	0.49
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD12	12	0.49
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD13	12	0.49
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD21	12	0.49
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD22	12	0.49
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD23	12	0.49
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD11	15	0.49
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD12	15	0.49
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD13	15	0.49
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD21	15	0.49
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD22	15	0.49
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD23	15	0.49
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG2	6	0.49
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG3	6	0.49
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB2	14	0.49
(1,991)	1:493:A:VAL:H	1:529:A:SER:HB3	14	0.49
(1,942)	1:486:A:MET:HB2	1:487:A:GLN:H	1	0.49
(1,942)	1:486:A:MET:HB3	1:487:A:GLN:H	1	0.49
(1,913)	1:548:A:THR:HA	1:549:A:ARG:HB3	6	0.49
(1,904)	1:533:A:LEU:HD21	1:534:A:PRO:HD3	6	0.49
(1,904)	1:533:A:LEU:HD22	1:534:A:PRO:HD3	6	0.49
(1,904)	1:533:A:LEU:HD23	1:534:A:PRO:HD3	6	0.49
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD11	4	0.49
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD12	4	0.49
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD13	4	0.49
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD11	4	0.49
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD12	4	0.49
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD13	4	0.49
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD11	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD12	4	0.49
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD13	4	0.49
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD11	7	0.49
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD12	7	0.49
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD13	7	0.49
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD11	7	0.49
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD12	7	0.49
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD13	7	0.49
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD11	7	0.49
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD12	7	0.49
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD13	7	0.49
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD21	18	0.49
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD22	18	0.49
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD23	18	0.49
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD21	18	0.49
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD22	18	0.49
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD23	18	0.49
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD21	18	0.49
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD22	18	0.49
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD23	18	0.49
(1,706)	1:490:A:ARG:HG3	1:491:A:ILE:HA	15	0.49
(1,633)	1:549:A:ARG:HB3	1:554:A:PRO:HA	6	0.49
(1,633)	1:549:A:ARG:HB3	1:554:A:PRO:HA	17	0.49
(1,633)	1:549:A:ARG:HB3	1:554:A:PRO:HA	18	0.49
(1,609)	1:486:A:MET:HA	1:534:A:PRO:HA	4	0.49
(1,609)	1:486:A:MET:HA	1:534:A:PRO:HA	11	0.49
(1,609)	1:486:A:MET:HA	1:534:A:PRO:HA	16	0.49
(1,514)	1:508:A:ILE:HG21	1:519:A:ILE:HG12	20	0.49
(1,514)	1:508:A:ILE:HG22	1:519:A:ILE:HG12	20	0.49
(1,514)	1:508:A:ILE:HG23	1:519:A:ILE:HG12	20	0.49
(1,441)	1:482:A:ASP:HA	1:484:A:GLY:H	10	0.49
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG21	6	0.49
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG22	6	0.49
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG23	6	0.49
(1,281)	1:514:A:ILE:H	1:514:A:ILE:HG12	13	0.49
(1,276)	1:513:A:ASP:HB3	1:514:A:ILE:H	13	0.49
(1,218)	1:504:A:ILE:H	1:506:A:GLY:H	6	0.49
(1,218)	1:504:A:ILE:H	1:506:A:GLY:H	7	0.49
(1,218)	1:504:A:ILE:H	1:506:A:GLY:H	11	0.49
(1,218)	1:504:A:ILE:H	1:506:A:GLY:H	12	0.49
(1,218)	1:504:A:ILE:H	1:506:A:GLY:H	13	0.49
(1,218)	1:504:A:ILE:H	1:506:A:GLY:H	15	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,218)	1:504:A:ILE:H	1:506:A:GLY:H	18	0.49
(1,218)	1:504:A:ILE:H	1:506:A:GLY:H	19	0.49
(1,101)	1:488:A:LEU:H	1:562:A:ASP:H	13	0.49
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD21	20	0.49
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD22	20	0.49
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD23	20	0.49
(1,69)	1:488:A:LEU:HG	1:489:A:TYR:H	2	0.49
(1,1161)	1:562:A:ASP:HB2	1:563:A:ALA:H	16	0.48
(1,1161)	1:562:A:ASP:HB3	1:563:A:ALA:H	16	0.48
(1,1161)	1:562:A:ASP:HB2	1:563:A:ALA:H	20	0.48
(1,1161)	1:562:A:ASP:HB3	1:563:A:ALA:H	20	0.48
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD11	4	0.48
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD12	4	0.48
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD13	4	0.48
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD21	4	0.48
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD22	4	0.48
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD23	4	0.48
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD11	18	0.48
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD12	18	0.48
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD13	18	0.48
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD21	18	0.48
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD22	18	0.48
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD23	18	0.48
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG2	5	0.48
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG3	5	0.48
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG2	17	0.48
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG3	17	0.48
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG2	20	0.48
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG3	20	0.48
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD11	5	0.48
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD12	5	0.48
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD13	5	0.48
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD21	5	0.48
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD22	5	0.48
(1,1069)	1:519:A:ILE:H	1:533:A:LEU:HD23	5	0.48
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD21	15	0.48
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD22	15	0.48
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD23	15	0.48
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD21	15	0.48
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD22	15	0.48
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD23	15	0.48
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD21	20	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD22	20	0.48
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD23	20	0.48
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD21	20	0.48
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD22	20	0.48
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD23	20	0.48
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG2	16	0.48
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG2	16	0.48
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG3	16	0.48
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG3	16	0.48
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG2	18	0.48
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG2	18	0.48
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG3	18	0.48
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG3	18	0.48
(1,942)	1:486:A:MET:HB2	1:487:A:GLN:H	16	0.48
(1,942)	1:486:A:MET:HB3	1:487:A:GLN:H	16	0.48
(1,913)	1:548:A:THR:HA	1:549:A:ARG:HB3	3	0.48
(1,658)	1:541:A:VAL:HG11	1:542:A:LEU:HB2	9	0.48
(1,658)	1:541:A:VAL:HG12	1:542:A:LEU:HB2	9	0.48
(1,658)	1:541:A:VAL:HG13	1:542:A:LEU:HB2	9	0.48
(1,658)	1:541:A:VAL:HG11	1:542:A:LEU:HB2	20	0.48
(1,658)	1:541:A:VAL:HG12	1:542:A:LEU:HB2	20	0.48
(1,658)	1:541:A:VAL:HG13	1:542:A:LEU:HB2	20	0.48
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG21	1	0.48
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG22	1	0.48
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG23	1	0.48
(1,633)	1:549:A:ARG:HB3	1:554:A:PRO:HA	3	0.48
(1,633)	1:549:A:ARG:HB3	1:554:A:PRO:HA	4	0.48
(1,633)	1:549:A:ARG:HB3	1:554:A:PRO:HA	12	0.48
(1,633)	1:549:A:ARG:HB3	1:554:A:PRO:HA	20	0.48
(1,609)	1:486:A:MET:HA	1:534:A:PRO:HA	1	0.48
(1,609)	1:486:A:MET:HA	1:534:A:PRO:HA	12	0.48
(1,539)	1:540:A:GLU:HB2	1:541:A:VAL:HB	4	0.48
(1,514)	1:508:A:ILE:HG21	1:519:A:ILE:HG12	15	0.48
(1,514)	1:508:A:ILE:HG22	1:519:A:ILE:HG12	15	0.48
(1,514)	1:508:A:ILE:HG23	1:519:A:ILE:HG12	15	0.48
(1,459)	1:552:A:ASN:H	1:552:A:ASN:HA	1	0.48
(1,459)	1:552:A:ASN:H	1:552:A:ASN:HA	3	0.48
(1,459)	1:552:A:ASN:H	1:552:A:ASN:HA	5	0.48
(1,459)	1:552:A:ASN:H	1:552:A:ASN:HA	9	0.48
(1,459)	1:552:A:ASN:H	1:552:A:ASN:HA	15	0.48
(1,441)	1:482:A:ASP:HA	1:484:A:GLY:H	12	0.48
(1,441)	1:482:A:ASP:HA	1:484:A:GLY:H	15	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,441)	1:482:A:ASP:HA	1:484:A:GLY:H	20	0.48
(1,310)	1:513:A:ASP:H	1:514:A:ILE:HG12	19	0.48
(1,281)	1:514:A:ILE:H	1:514:A:ILE:HG12	5	0.48
(1,281)	1:514:A:ILE:H	1:514:A:ILE:HG12	12	0.48
(1,263)	1:512:A:GLY:H	1:513:A:ASP:H	6	0.48
(1,263)	1:512:A:GLY:H	1:513:A:ASP:H	9	0.48
(1,263)	1:512:A:GLY:H	1:513:A:ASP:H	16	0.48
(1,232)	1:500:A:GLU:HB3	1:503:A:HIS:H	14	0.48
(1,218)	1:504:A:ILE:H	1:506:A:GLY:H	2	0.48
(1,218)	1:504:A:ILE:H	1:506:A:GLY:H	3	0.48
(1,218)	1:504:A:ILE:H	1:506:A:GLY:H	4	0.48
(1,218)	1:504:A:ILE:H	1:506:A:GLY:H	5	0.48
(1,218)	1:504:A:ILE:H	1:506:A:GLY:H	8	0.48
(1,218)	1:504:A:ILE:H	1:506:A:GLY:H	9	0.48
(1,218)	1:504:A:ILE:H	1:506:A:GLY:H	10	0.48
(1,218)	1:504:A:ILE:H	1:506:A:GLY:H	14	0.48
(1,218)	1:504:A:ILE:H	1:506:A:GLY:H	16	0.48
(1,69)	1:488:A:LEU:HG	1:489:A:TYR:H	17	0.48
(1,59)	1:489:A:TYR:H	1:530:A:THR:HB	9	0.48
(1,1161)	1:562:A:ASP:HB2	1:563:A:ALA:H	10	0.47
(1,1161)	1:562:A:ASP:HB3	1:563:A:ALA:H	10	0.47
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD21	19	0.47
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD22	19	0.47
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD23	19	0.47
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD21	19	0.47
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD22	19	0.47
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD23	19	0.47
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG2	10	0.47
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG2	10	0.47
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG3	10	0.47
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG3	10	0.47
(1,913)	1:548:A:THR:HA	1:549:A:ARG:HB3	2	0.47
(1,814)	1:550:A:ILE:HG21	1:555:A:MET:HB3	19	0.47
(1,814)	1:550:A:ILE:HG22	1:555:A:MET:HB3	19	0.47
(1,814)	1:550:A:ILE:HG23	1:555:A:MET:HB3	19	0.47
(1,775)	1:523:A:LYS:HG3	1:525:A:PHE:HA	4	0.47
(1,706)	1:490:A:ARG:HG3	1:491:A:ILE:HA	10	0.47
(1,658)	1:541:A:VAL:HG11	1:542:A:LEU:HB2	6	0.47
(1,658)	1:541:A:VAL:HG12	1:542:A:LEU:HB2	6	0.47
(1,658)	1:541:A:VAL:HG13	1:542:A:LEU:HB2	6	0.47
(1,633)	1:549:A:ARG:HB3	1:554:A:PRO:HA	5	0.47
(1,633)	1:549:A:ARG:HB3	1:554:A:PRO:HA	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,633)	1:549:A:ARG:HB3	1:554:A:PRO:HA	11	0.47
(1,539)	1:540:A:GLU:HB2	1:541:A:VAL:HB	3	0.47
(1,539)	1:540:A:GLU:HB2	1:541:A:VAL:HB	6	0.47
(1,539)	1:540:A:GLU:HB2	1:541:A:VAL:HB	15	0.47
(1,514)	1:508:A:ILE:HG21	1:519:A:ILE:HG12	19	0.47
(1,514)	1:508:A:ILE:HG22	1:519:A:ILE:HG12	19	0.47
(1,514)	1:508:A:ILE:HG23	1:519:A:ILE:HG12	19	0.47
(1,459)	1:552:A:ASN:H	1:552:A:ASN:HA	2	0.47
(1,459)	1:552:A:ASN:H	1:552:A:ASN:HA	4	0.47
(1,459)	1:552:A:ASN:H	1:552:A:ASN:HA	6	0.47
(1,459)	1:552:A:ASN:H	1:552:A:ASN:HA	7	0.47
(1,459)	1:552:A:ASN:H	1:552:A:ASN:HA	8	0.47
(1,459)	1:552:A:ASN:H	1:552:A:ASN:HA	10	0.47
(1,459)	1:552:A:ASN:H	1:552:A:ASN:HA	11	0.47
(1,459)	1:552:A:ASN:H	1:552:A:ASN:HA	12	0.47
(1,459)	1:552:A:ASN:H	1:552:A:ASN:HA	13	0.47
(1,459)	1:552:A:ASN:H	1:552:A:ASN:HA	14	0.47
(1,459)	1:552:A:ASN:H	1:552:A:ASN:HA	16	0.47
(1,459)	1:552:A:ASN:H	1:552:A:ASN:HA	17	0.47
(1,459)	1:552:A:ASN:H	1:552:A:ASN:HA	18	0.47
(1,459)	1:552:A:ASN:H	1:552:A:ASN:HA	19	0.47
(1,459)	1:552:A:ASN:H	1:552:A:ASN:HA	20	0.47
(1,455)	1:535:A:LYS:HG2	1:536:A:GLY:H	3	0.47
(1,441)	1:482:A:ASP:HA	1:484:A:GLY:H	8	0.47
(1,403)	1:491:A:ILE:HD11	1:493:A:VAL:H	15	0.47
(1,403)	1:491:A:ILE:HD12	1:493:A:VAL:H	15	0.47
(1,403)	1:491:A:ILE:HD13	1:493:A:VAL:H	15	0.47
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG21	9	0.47
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG22	9	0.47
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG23	9	0.47
(1,304)	1:538:A:PRO:HB2	1:542:A:LEU:H	1	0.47
(1,303)	1:491:A:ILE:H	1:528:A:HIS:HB3	17	0.47
(1,281)	1:514:A:ILE:H	1:514:A:ILE:HG12	10	0.47
(1,232)	1:500:A:GLU:HB3	1:503:A:HIS:H	10	0.47
(1,218)	1:504:A:ILE:H	1:506:A:GLY:H	1	0.47
(1,182)	1:561:A:GLY:HA2	1:562:A:ASP:H	3	0.47
(1,101)	1:488:A:LEU:H	1:562:A:ASP:H	19	0.47
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD21	8	0.47
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD22	8	0.47
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD23	8	0.47
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG2	11	0.46
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG3	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG2	17	0.46
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG3	17	0.46
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD11	18	0.46
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD12	18	0.46
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD13	18	0.46
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD21	18	0.46
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD22	18	0.46
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD23	18	0.46
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD21	5	0.46
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD22	5	0.46
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD23	5	0.46
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD21	5	0.46
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD22	5	0.46
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD23	5	0.46
(1,942)	1:486:A:MET:HB2	1:487:A:GLN:H	10	0.46
(1,942)	1:486:A:MET:HB3	1:487:A:GLN:H	10	0.46
(1,913)	1:548:A:THR:HA	1:549:A:ARG:HB3	13	0.46
(1,814)	1:550:A:ILE:HG21	1:555:A:MET:HB3	2	0.46
(1,814)	1:550:A:ILE:HG22	1:555:A:MET:HB3	2	0.46
(1,814)	1:550:A:ILE:HG23	1:555:A:MET:HB3	2	0.46
(1,814)	1:550:A:ILE:HG21	1:555:A:MET:HB3	16	0.46
(1,814)	1:550:A:ILE:HG22	1:555:A:MET:HB3	16	0.46
(1,814)	1:550:A:ILE:HG23	1:555:A:MET:HB3	16	0.46
(1,814)	1:550:A:ILE:HG21	1:555:A:MET:HB3	17	0.46
(1,814)	1:550:A:ILE:HG22	1:555:A:MET:HB3	17	0.46
(1,814)	1:550:A:ILE:HG23	1:555:A:MET:HB3	17	0.46
(1,713)	1:491:A:ILE:HG21	1:555:A:MET:HB3	20	0.46
(1,713)	1:491:A:ILE:HG22	1:555:A:MET:HB3	20	0.46
(1,713)	1:491:A:ILE:HG23	1:555:A:MET:HB3	20	0.46
(1,706)	1:490:A:ARG:HG3	1:491:A:ILE:HA	11	0.46
(1,539)	1:540:A:GLU:HB2	1:541:A:VAL:HB	5	0.46
(1,539)	1:540:A:GLU:HB2	1:541:A:VAL:HB	12	0.46
(1,539)	1:540:A:GLU:HB2	1:541:A:VAL:HB	17	0.46
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD11	13	0.46
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD12	13	0.46
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD13	13	0.46
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD11	13	0.46
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD12	13	0.46
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD13	13	0.46
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD11	13	0.46
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD12	13	0.46
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD13	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:508:A:ILE:HG21	1:519:A:ILE:HG12	10	0.46
(1,514)	1:508:A:ILE:HG22	1:519:A:ILE:HG12	10	0.46
(1,514)	1:508:A:ILE:HG23	1:519:A:ILE:HG12	10	0.46
(1,468)	1:561:A:GLY:H	1:562:A:ASP:H	5	0.46
(1,468)	1:561:A:GLY:H	1:562:A:ASP:H	9	0.46
(1,468)	1:561:A:GLY:H	1:562:A:ASP:H	18	0.46
(1,455)	1:535:A:LYS:HG2	1:536:A:GLY:H	16	0.46
(1,441)	1:482:A:ASP:HA	1:484:A:GLY:H	13	0.46
(1,441)	1:482:A:ASP:HA	1:484:A:GLY:H	16	0.46
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG21	4	0.46
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG22	4	0.46
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG23	4	0.46
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG21	11	0.46
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG22	11	0.46
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG23	11	0.46
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG21	19	0.46
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG22	19	0.46
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG23	19	0.46
(1,308)	1:490:A:ARG:HB2	1:491:A:ILE:H	8	0.46
(1,308)	1:490:A:ARG:HB2	1:491:A:ILE:H	10	0.46
(1,308)	1:490:A:ARG:HB2	1:491:A:ILE:H	13	0.46
(1,308)	1:490:A:ARG:HB2	1:491:A:ILE:H	16	0.46
(1,308)	1:490:A:ARG:HB2	1:491:A:ILE:H	17	0.46
(1,308)	1:490:A:ARG:HB2	1:491:A:ILE:H	18	0.46
(1,281)	1:514:A:ILE:H	1:514:A:ILE:HG12	8	0.46
(1,232)	1:500:A:GLU:HB3	1:503:A:HIS:H	1	0.46
(1,69)	1:488:A:LEU:HG	1:489:A:TYR:H	3	0.46
(1,69)	1:488:A:LEU:HG	1:489:A:TYR:H	10	0.46
(1,69)	1:488:A:LEU:HG	1:489:A:TYR:H	19	0.46
(1,43)	1:551:A:LEU:H	1:552:A:ASN:HB2	16	0.46
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG2	6	0.45
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG3	6	0.45
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG2	9	0.45
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG3	9	0.45
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG2	19	0.45
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG3	19	0.45
(1,1079)	1:523:A:LYS:HE2	1:524:A:LEU:H	19	0.45
(1,1079)	1:523:A:LYS:HE3	1:524:A:LEU:H	19	0.45
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD11	11	0.45
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD12	11	0.45
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD13	11	0.45
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD21	11	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD22	11	0.45
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD23	11	0.45
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG2	4	0.45
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG2	4	0.45
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG3	4	0.45
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG3	4	0.45
(1,942)	1:486:A:MET:HB2	1:487:A:GLN:H	8	0.45
(1,942)	1:486:A:MET:HB3	1:487:A:GLN:H	8	0.45
(1,814)	1:550:A:ILE:HG21	1:555:A:MET:HB3	1	0.45
(1,814)	1:550:A:ILE:HG22	1:555:A:MET:HB3	1	0.45
(1,814)	1:550:A:ILE:HG23	1:555:A:MET:HB3	1	0.45
(1,814)	1:550:A:ILE:HG21	1:555:A:MET:HB3	6	0.45
(1,814)	1:550:A:ILE:HG22	1:555:A:MET:HB3	6	0.45
(1,814)	1:550:A:ILE:HG23	1:555:A:MET:HB3	6	0.45
(1,814)	1:550:A:ILE:HG21	1:555:A:MET:HB3	13	0.45
(1,814)	1:550:A:ILE:HG22	1:555:A:MET:HB3	13	0.45
(1,814)	1:550:A:ILE:HG23	1:555:A:MET:HB3	13	0.45
(1,706)	1:490:A:ARG:HG3	1:491:A:ILE:HA	8	0.45
(1,658)	1:541:A:VAL:HG11	1:542:A:LEU:HB2	3	0.45
(1,658)	1:541:A:VAL:HG12	1:542:A:LEU:HB2	3	0.45
(1,658)	1:541:A:VAL:HG13	1:542:A:LEU:HB2	3	0.45
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG21	15	0.45
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG22	15	0.45
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG23	15	0.45
(1,539)	1:540:A:GLU:HB2	1:541:A:VAL:HB	7	0.45
(1,539)	1:540:A:GLU:HB2	1:541:A:VAL:HB	8	0.45
(1,539)	1:540:A:GLU:HB2	1:541:A:VAL:HB	10	0.45
(1,514)	1:508:A:ILE:HG21	1:519:A:ILE:HG12	9	0.45
(1,514)	1:508:A:ILE:HG22	1:519:A:ILE:HG12	9	0.45
(1,514)	1:508:A:ILE:HG23	1:519:A:ILE:HG12	9	0.45
(1,468)	1:561:A:GLY:H	1:562:A:ASP:H	8	0.45
(1,449)	1:483:A:VAL:HG11	1:536:A:GLY:H	8	0.45
(1,449)	1:483:A:VAL:HG12	1:536:A:GLY:H	8	0.45
(1,449)	1:483:A:VAL:HG13	1:536:A:GLY:H	8	0.45
(1,441)	1:482:A:ASP:HA	1:484:A:GLY:H	7	0.45
(1,441)	1:482:A:ASP:HA	1:484:A:GLY:H	11	0.45
(1,441)	1:482:A:ASP:HA	1:484:A:GLY:H	14	0.45
(1,394)	1:555:A:MET:HA	1:556:A:ASN:H	1	0.45
(1,394)	1:555:A:MET:HA	1:556:A:ASN:H	2	0.45
(1,394)	1:555:A:MET:HA	1:556:A:ASN:H	3	0.45
(1,394)	1:555:A:MET:HA	1:556:A:ASN:H	6	0.45
(1,394)	1:555:A:MET:HA	1:556:A:ASN:H	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,394)	1:555:A:MET:HA	1:556:A:ASN:H	8	0.45
(1,394)	1:555:A:MET:HA	1:556:A:ASN:H	11	0.45
(1,394)	1:555:A:MET:HA	1:556:A:ASN:H	13	0.45
(1,394)	1:555:A:MET:HA	1:556:A:ASN:H	14	0.45
(1,394)	1:555:A:MET:HA	1:556:A:ASN:H	15	0.45
(1,394)	1:555:A:MET:HA	1:556:A:ASN:H	16	0.45
(1,394)	1:555:A:MET:HA	1:556:A:ASN:H	17	0.45
(1,394)	1:555:A:MET:HA	1:556:A:ASN:H	18	0.45
(1,394)	1:555:A:MET:HA	1:556:A:ASN:H	19	0.45
(1,376)	1:520:A:GLY:H	1:521:A:ASN:H	1	0.45
(1,376)	1:520:A:GLY:H	1:521:A:ASN:H	4	0.45
(1,310)	1:513:A:ASP:H	1:514:A:ILE:HG12	17	0.45
(1,308)	1:490:A:ARG:HB2	1:491:A:ILE:H	2	0.45
(1,308)	1:490:A:ARG:HB2	1:491:A:ILE:H	3	0.45
(1,308)	1:490:A:ARG:HB2	1:491:A:ILE:H	5	0.45
(1,308)	1:490:A:ARG:HB2	1:491:A:ILE:H	7	0.45
(1,308)	1:490:A:ARG:HB2	1:491:A:ILE:H	9	0.45
(1,308)	1:490:A:ARG:HB2	1:491:A:ILE:H	11	0.45
(1,308)	1:490:A:ARG:HB2	1:491:A:ILE:H	14	0.45
(1,308)	1:490:A:ARG:HB2	1:491:A:ILE:H	19	0.45
(1,308)	1:490:A:ARG:HB2	1:491:A:ILE:H	20	0.45
(1,281)	1:514:A:ILE:H	1:514:A:ILE:HG12	1	0.45
(1,281)	1:514:A:ILE:H	1:514:A:ILE:HG12	4	0.45
(1,281)	1:514:A:ILE:H	1:514:A:ILE:HG12	14	0.45
(1,281)	1:514:A:ILE:H	1:514:A:ILE:HG12	15	0.45
(1,232)	1:500:A:GLU:HB3	1:503:A:HIS:H	9	0.45
(1,232)	1:500:A:GLU:HB3	1:503:A:HIS:H	12	0.45
(1,209)	1:549:A:ARG:HB2	1:550:A:ILE:H	13	0.45
(1,120)	1:532:A:GLU:HG3	1:533:A:LEU:H	6	0.45
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD21	5	0.45
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD22	5	0.45
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD23	5	0.45
(1,1161)	1:562:A:ASP:HB2	1:563:A:ALA:H	1	0.44
(1,1161)	1:562:A:ASP:HB3	1:563:A:ALA:H	1	0.44
(1,1161)	1:562:A:ASP:HB2	1:563:A:ALA:H	6	0.44
(1,1161)	1:562:A:ASP:HB3	1:563:A:ALA:H	6	0.44
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG2	4	0.44
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG3	4	0.44
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD11	7	0.44
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD12	7	0.44
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD13	7	0.44
(1,706)	1:490:A:ARG:HG3	1:491:A:ILE:HA	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:541:A:VAL:HG11	1:542:A:LEU:HB2	19	0.44
(1,658)	1:541:A:VAL:HG12	1:542:A:LEU:HB2	19	0.44
(1,658)	1:541:A:VAL:HG13	1:542:A:LEU:HB2	19	0.44
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD11	13	0.44
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD12	13	0.44
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD13	13	0.44
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD11	16	0.44
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD12	16	0.44
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD13	16	0.44
(1,581)	1:519:A:ILE:HG21	1:533:A:LEU:HD21	11	0.44
(1,581)	1:519:A:ILE:HG21	1:533:A:LEU:HD22	11	0.44
(1,581)	1:519:A:ILE:HG21	1:533:A:LEU:HD23	11	0.44
(1,581)	1:519:A:ILE:HG22	1:533:A:LEU:HD21	11	0.44
(1,581)	1:519:A:ILE:HG22	1:533:A:LEU:HD22	11	0.44
(1,581)	1:519:A:ILE:HG22	1:533:A:LEU:HD23	11	0.44
(1,581)	1:519:A:ILE:HG23	1:533:A:LEU:HD21	11	0.44
(1,581)	1:519:A:ILE:HG23	1:533:A:LEU:HD22	11	0.44
(1,581)	1:519:A:ILE:HG23	1:533:A:LEU:HD23	11	0.44
(1,514)	1:508:A:ILE:HG21	1:519:A:ILE:HG12	1	0.44
(1,514)	1:508:A:ILE:HG22	1:519:A:ILE:HG12	1	0.44
(1,514)	1:508:A:ILE:HG23	1:519:A:ILE:HG12	1	0.44
(1,514)	1:508:A:ILE:HG21	1:519:A:ILE:HG12	13	0.44
(1,514)	1:508:A:ILE:HG22	1:519:A:ILE:HG12	13	0.44
(1,514)	1:508:A:ILE:HG23	1:519:A:ILE:HG12	13	0.44
(1,514)	1:508:A:ILE:HG21	1:519:A:ILE:HG12	16	0.44
(1,514)	1:508:A:ILE:HG22	1:519:A:ILE:HG12	16	0.44
(1,514)	1:508:A:ILE:HG23	1:519:A:ILE:HG12	16	0.44
(1,514)	1:508:A:ILE:HG21	1:519:A:ILE:HG12	18	0.44
(1,514)	1:508:A:ILE:HG22	1:519:A:ILE:HG12	18	0.44
(1,514)	1:508:A:ILE:HG23	1:519:A:ILE:HG12	18	0.44
(1,493)	1:535:A:LYS:H	1:535:A:LYS:HG3	1	0.44
(1,394)	1:555:A:MET:HA	1:556:A:ASN:H	4	0.44
(1,394)	1:555:A:MET:HA	1:556:A:ASN:H	5	0.44
(1,394)	1:555:A:MET:HA	1:556:A:ASN:H	9	0.44
(1,394)	1:555:A:MET:HA	1:556:A:ASN:H	10	0.44
(1,394)	1:555:A:MET:HA	1:556:A:ASN:H	12	0.44
(1,394)	1:555:A:MET:HA	1:556:A:ASN:H	20	0.44
(1,376)	1:520:A:GLY:H	1:521:A:ASN:H	3	0.44
(1,376)	1:520:A:GLY:H	1:521:A:ASN:H	7	0.44
(1,376)	1:520:A:GLY:H	1:521:A:ASN:H	8	0.44
(1,376)	1:520:A:GLY:H	1:521:A:ASN:H	9	0.44
(1,376)	1:520:A:GLY:H	1:521:A:ASN:H	10	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:520:A:GLY:H	1:521:A:ASN:H	11	0.44
(1,376)	1:520:A:GLY:H	1:521:A:ASN:H	12	0.44
(1,376)	1:520:A:GLY:H	1:521:A:ASN:H	13	0.44
(1,376)	1:520:A:GLY:H	1:521:A:ASN:H	15	0.44
(1,376)	1:520:A:GLY:H	1:521:A:ASN:H	16	0.44
(1,376)	1:520:A:GLY:H	1:521:A:ASN:H	18	0.44
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG21	13	0.44
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG22	13	0.44
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG23	13	0.44
(1,308)	1:490:A:ARG:HB2	1:491:A:ILE:H	1	0.44
(1,308)	1:490:A:ARG:HB2	1:491:A:ILE:H	4	0.44
(1,308)	1:490:A:ARG:HB2	1:491:A:ILE:H	6	0.44
(1,308)	1:490:A:ARG:HB2	1:491:A:ILE:H	12	0.44
(1,308)	1:490:A:ARG:HB2	1:491:A:ILE:H	15	0.44
(1,303)	1:491:A:ILE:H	1:528:A:HIS:HB3	5	0.44
(1,281)	1:514:A:ILE:H	1:514:A:ILE:HG12	11	0.44
(1,232)	1:500:A:GLU:HB3	1:503:A:HIS:H	5	0.44
(1,232)	1:500:A:GLU:HB3	1:503:A:HIS:H	6	0.44
(1,232)	1:500:A:GLU:HB3	1:503:A:HIS:H	19	0.44
(1,218)	1:504:A:ILE:H	1:506:A:GLY:H	20	0.44
(1,209)	1:549:A:ARG:HB2	1:550:A:ILE:H	2	0.44
(1,101)	1:488:A:LEU:H	1:562:A:ASP:H	20	0.44
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD21	4	0.44
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD22	4	0.44
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD23	4	0.44
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD21	9	0.44
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD22	9	0.44
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD23	9	0.44
(1,71)	1:488:A:LEU:HD11	1:489:A:TYR:H	14	0.44
(1,71)	1:488:A:LEU:HD12	1:489:A:TYR:H	14	0.44
(1,71)	1:488:A:LEU:HD13	1:489:A:TYR:H	14	0.44
(1,69)	1:488:A:LEU:HG	1:489:A:TYR:H	1	0.44
(1,69)	1:488:A:LEU:HG	1:489:A:TYR:H	11	0.44
(1,43)	1:551:A:LEU:H	1:552:A:ASN:HB2	1	0.44
(1,1161)	1:562:A:ASP:HB2	1:563:A:ALA:H	8	0.43
(1,1161)	1:562:A:ASP:HB3	1:563:A:ALA:H	8	0.43
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD11	13	0.43
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD12	13	0.43
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD13	13	0.43
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD21	13	0.43
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD22	13	0.43
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD23	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG2	2	0.43
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG3	2	0.43
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD21	1	0.43
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD22	1	0.43
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD23	1	0.43
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD21	1	0.43
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD22	1	0.43
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD23	1	0.43
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD21	7	0.43
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD22	7	0.43
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD23	7	0.43
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD21	7	0.43
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD22	7	0.43
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD23	7	0.43
(1,942)	1:486:A:MET:HB2	1:487:A:GLN:H	2	0.43
(1,942)	1:486:A:MET:HB3	1:487:A:GLN:H	2	0.43
(1,942)	1:486:A:MET:HB2	1:487:A:GLN:H	14	0.43
(1,942)	1:486:A:MET:HB3	1:487:A:GLN:H	14	0.43
(1,816)	1:497:A:ASP:HA	1:527:A:SER:HA	10	0.43
(1,706)	1:490:A:ARG:HG3	1:491:A:ILE:HA	13	0.43
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG21	19	0.43
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG22	19	0.43
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG23	19	0.43
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG21	12	0.43
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG22	12	0.43
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG23	12	0.43
(1,633)	1:549:A:ARG:HB3	1:554:A:PRO:HA	1	0.43
(1,621)	1:538:A:PRO:HA	1:539:A:GLY:HA2	1	0.43
(1,621)	1:538:A:PRO:HA	1:539:A:GLY:HA2	11	0.43
(1,621)	1:538:A:PRO:HA	1:539:A:GLY:HA2	12	0.43
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD11	8	0.43
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD12	8	0.43
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD13	8	0.43
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD11	8	0.43
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD12	8	0.43
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD13	8	0.43
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD11	8	0.43
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD12	8	0.43
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD13	8	0.43
(1,514)	1:508:A:ILE:HG21	1:519:A:ILE:HG12	17	0.43
(1,514)	1:508:A:ILE:HG22	1:519:A:ILE:HG12	17	0.43
(1,514)	1:508:A:ILE:HG23	1:519:A:ILE:HG12	17	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,449)	1:483:A:VAL:HG11	1:536:A:GLY:H	2	0.43
(1,449)	1:483:A:VAL:HG12	1:536:A:GLY:H	2	0.43
(1,449)	1:483:A:VAL:HG13	1:536:A:GLY:H	2	0.43
(1,376)	1:520:A:GLY:H	1:521:A:ASN:H	2	0.43
(1,376)	1:520:A:GLY:H	1:521:A:ASN:H	5	0.43
(1,376)	1:520:A:GLY:H	1:521:A:ASN:H	17	0.43
(1,376)	1:520:A:GLY:H	1:521:A:ASN:H	19	0.43
(1,376)	1:520:A:GLY:H	1:521:A:ASN:H	20	0.43
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG21	2	0.43
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG22	2	0.43
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG23	2	0.43
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG21	20	0.43
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG22	20	0.43
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG23	20	0.43
(1,303)	1:491:A:ILE:H	1:528:A:HIS:HB3	20	0.43
(1,281)	1:514:A:ILE:H	1:514:A:ILE:HG12	7	0.43
(1,281)	1:514:A:ILE:H	1:514:A:ILE:HG12	18	0.43
(1,263)	1:512:A:GLY:H	1:513:A:ASP:H	3	0.43
(1,232)	1:500:A:GLU:HB3	1:503:A:HIS:H	2	0.43
(1,232)	1:500:A:GLU:HB3	1:503:A:HIS:H	3	0.43
(1,232)	1:500:A:GLU:HB3	1:503:A:HIS:H	4	0.43
(1,232)	1:500:A:GLU:HB3	1:503:A:HIS:H	8	0.43
(1,232)	1:500:A:GLU:HB3	1:503:A:HIS:H	11	0.43
(1,232)	1:500:A:GLU:HB3	1:503:A:HIS:H	13	0.43
(1,232)	1:500:A:GLU:HB3	1:503:A:HIS:H	20	0.43
(1,209)	1:549:A:ARG:HB2	1:550:A:ILE:H	3	0.43
(1,156)	1:485:A:ASP:H	1:537:A:MET:H	12	0.43
(1,156)	1:485:A:ASP:H	1:537:A:MET:H	18	0.43
(1,144)	1:523:A:LYS:HE2	1:524:A:LEU:H	12	0.43
(1,144)	1:523:A:LYS:HE3	1:524:A:LEU:H	12	0.43
(1,144)	1:523:A:LYS:HE2	1:524:A:LEU:H	14	0.43
(1,144)	1:523:A:LYS:HE3	1:524:A:LEU:H	14	0.43
(1,120)	1:532:A:GLU:HG3	1:533:A:LEU:H	3	0.43
(1,101)	1:488:A:LEU:H	1:562:A:ASP:H	6	0.43
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD21	15	0.43
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD22	15	0.43
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD23	15	0.43
(1,1152)	1:558:A:GLN:HG2	1:559:A:LEU:H	17	0.42
(1,1152)	1:558:A:GLN:HG3	1:559:A:LEU:H	17	0.42
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD21	12	0.42
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD22	12	0.42
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD23	12	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD21	12	0.42
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD22	12	0.42
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD23	12	0.42
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD21	17	0.42
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD22	17	0.42
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD23	17	0.42
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD21	17	0.42
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD22	17	0.42
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD23	17	0.42
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG21	15	0.42
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG22	15	0.42
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG23	15	0.42
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG21	15	0.42
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG22	15	0.42
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG23	15	0.42
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG21	15	0.42
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG22	15	0.42
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG23	15	0.42
(1,706)	1:490:A:ARG:HG3	1:491:A:ILE:HA	17	0.42
(1,658)	1:541:A:VAL:HG11	1:542:A:LEU:HB2	5	0.42
(1,658)	1:541:A:VAL:HG12	1:542:A:LEU:HB2	5	0.42
(1,658)	1:541:A:VAL:HG13	1:542:A:LEU:HB2	5	0.42
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD11	7	0.42
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD12	7	0.42
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD13	7	0.42
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD11	17	0.42
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD12	17	0.42
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD13	17	0.42
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD11	19	0.42
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD12	19	0.42
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD13	19	0.42
(1,621)	1:538:A:PRO:HA	1:539:A:GLY:HA2	16	0.42
(1,621)	1:538:A:PRO:HA	1:539:A:GLY:HA2	18	0.42
(1,621)	1:538:A:PRO:HA	1:539:A:GLY:HA2	19	0.42
(1,514)	1:508:A:ILE:HG21	1:519:A:ILE:HG12	2	0.42
(1,514)	1:508:A:ILE:HG22	1:519:A:ILE:HG12	2	0.42
(1,514)	1:508:A:ILE:HG23	1:519:A:ILE:HG12	2	0.42
(1,493)	1:535:A:LYS:H	1:535:A:LYS:HG3	11	0.42
(1,449)	1:483:A:VAL:HG11	1:536:A:GLY:H	14	0.42
(1,449)	1:483:A:VAL:HG12	1:536:A:GLY:H	14	0.42
(1,449)	1:483:A:VAL:HG13	1:536:A:GLY:H	14	0.42
(1,376)	1:520:A:GLY:H	1:521:A:ASN:H	6	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,232)	1:500:A:GLU:HB3	1:503:A:HIS:H	18	0.42
(1,101)	1:488:A:LEU:H	1:562:A:ASP:H	16	0.42
(1,69)	1:488:A:LEU:HG	1:489:A:TYR:H	8	0.42
(1,69)	1:488:A:LEU:HG	1:489:A:TYR:H	9	0.42
(1,6)	1:489:A:TYR:HA	1:560:A:LEU:H	12	0.42
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG2	17	0.41
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG3	17	0.41
(1,1161)	1:562:A:ASP:HB2	1:563:A:ALA:H	2	0.41
(1,1161)	1:562:A:ASP:HB3	1:563:A:ALA:H	2	0.41
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG2	10	0.41
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG3	10	0.41
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG2	7	0.41
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG3	7	0.41
(1,1075)	1:521:A:ASN:HB2	1:522:A:ILE:H	12	0.41
(1,1075)	1:521:A:ASN:HB3	1:522:A:ILE:H	12	0.41
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD21	16	0.41
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD22	16	0.41
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD23	16	0.41
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD21	16	0.41
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD22	16	0.41
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD23	16	0.41
(1,814)	1:550:A:ILE:HG21	1:555:A:MET:HB3	15	0.41
(1,814)	1:550:A:ILE:HG22	1:555:A:MET:HB3	15	0.41
(1,814)	1:550:A:ILE:HG23	1:555:A:MET:HB3	15	0.41
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD11	10	0.41
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD12	10	0.41
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD13	10	0.41
(1,706)	1:490:A:ARG:HG3	1:491:A:ILE:HA	5	0.41
(1,658)	1:541:A:VAL:HG11	1:542:A:LEU:HB2	10	0.41
(1,658)	1:541:A:VAL:HG12	1:542:A:LEU:HB2	10	0.41
(1,658)	1:541:A:VAL:HG13	1:542:A:LEU:HB2	10	0.41
(1,658)	1:541:A:VAL:HG11	1:542:A:LEU:HB2	16	0.41
(1,658)	1:541:A:VAL:HG12	1:542:A:LEU:HB2	16	0.41
(1,658)	1:541:A:VAL:HG13	1:542:A:LEU:HB2	16	0.41
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG21	13	0.41
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG22	13	0.41
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG23	13	0.41
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD11	2	0.41
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD12	2	0.41
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD13	2	0.41
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD11	3	0.41
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD12	3	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD13	3	0.41
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD11	10	0.41
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD12	10	0.41
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD13	10	0.41
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD11	11	0.41
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD12	11	0.41
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD13	11	0.41
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD11	20	0.41
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD12	20	0.41
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD13	20	0.41
(1,621)	1:538:A:PRO:HA	1:539:A:GLY:HA2	9	0.41
(1,621)	1:538:A:PRO:HA	1:539:A:GLY:HA2	15	0.41
(1,621)	1:538:A:PRO:HA	1:539:A:GLY:HA2	20	0.41
(1,539)	1:540:A:GLU:HB2	1:541:A:VAL:HB	14	0.41
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD11	20	0.41
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD12	20	0.41
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD13	20	0.41
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD11	20	0.41
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD12	20	0.41
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD13	20	0.41
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD11	20	0.41
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD12	20	0.41
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD13	20	0.41
(1,493)	1:535:A:LYS:H	1:535:A:LYS:HG3	14	0.41
(1,376)	1:520:A:GLY:H	1:521:A:ASN:H	14	0.41
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG21	17	0.41
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG22	17	0.41
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG23	17	0.41
(1,303)	1:491:A:ILE:H	1:528:A:HIS:HB3	1	0.41
(1,303)	1:491:A:ILE:H	1:528:A:HIS:HB3	15	0.41
(1,232)	1:500:A:GLU:HB3	1:503:A:HIS:H	7	0.41
(1,232)	1:500:A:GLU:HB3	1:503:A:HIS:H	15	0.41
(1,209)	1:549:A:ARG:HB2	1:550:A:ILE:H	6	0.41
(1,209)	1:549:A:ARG:HB2	1:550:A:ILE:H	9	0.41
(1,148)	1:523:A:LYS:HG3	1:524:A:LEU:H	13	0.41
(1,124)	1:557:A:MET:HB3	1:558:A:GLN:H	16	0.41
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD21	19	0.41
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD22	19	0.41
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD23	19	0.41
(1,69)	1:488:A:LEU:HG	1:489:A:TYR:H	6	0.41
(1,43)	1:551:A:LEU:H	1:552:A:ASN:HB2	20	0.41
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG2	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG2	8	0.4
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG3	8	0.4
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG3	8	0.4
(1,942)	1:486:A:MET:HB2	1:487:A:GLN:H	9	0.4
(1,942)	1:486:A:MET:HB3	1:487:A:GLN:H	9	0.4
(1,942)	1:486:A:MET:HB2	1:487:A:GLN:H	17	0.4
(1,942)	1:486:A:MET:HB3	1:487:A:GLN:H	17	0.4
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD11	18	0.4
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD12	18	0.4
(1,843)	1:514:A:ILE:HD11	1:531:A:ILE:HD13	18	0.4
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD11	18	0.4
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD12	18	0.4
(1,843)	1:514:A:ILE:HD12	1:531:A:ILE:HD13	18	0.4
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD11	18	0.4
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD12	18	0.4
(1,843)	1:514:A:ILE:HD13	1:531:A:ILE:HD13	18	0.4
(1,814)	1:550:A:ILE:HG21	1:555:A:MET:HB3	10	0.4
(1,814)	1:550:A:ILE:HG22	1:555:A:MET:HB3	10	0.4
(1,814)	1:550:A:ILE:HG23	1:555:A:MET:HB3	10	0.4
(1,713)	1:491:A:ILE:HG21	1:555:A:MET:HB3	3	0.4
(1,713)	1:491:A:ILE:HG22	1:555:A:MET:HB3	3	0.4
(1,713)	1:491:A:ILE:HG23	1:555:A:MET:HB3	3	0.4
(1,713)	1:491:A:ILE:HG21	1:555:A:MET:HB3	10	0.4
(1,713)	1:491:A:ILE:HG22	1:555:A:MET:HB3	10	0.4
(1,713)	1:491:A:ILE:HG23	1:555:A:MET:HB3	10	0.4
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG21	6	0.4
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG22	6	0.4
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG23	6	0.4
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD11	1	0.4
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD12	1	0.4
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD13	1	0.4
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD11	4	0.4
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD12	4	0.4
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD13	4	0.4
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD11	6	0.4
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD12	6	0.4
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD13	6	0.4
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD11	14	0.4
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD12	14	0.4
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD13	14	0.4
(1,621)	1:538:A:PRO:HA	1:539:A:GLY:HA2	13	0.4
(1,581)	1:519:A:ILE:HG21	1:533:A:LEU:HD21	18	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,581)	1:519:A:ILE:HG21	1:533:A:LEU:HD22	18	0.4
(1,581)	1:519:A:ILE:HG21	1:533:A:LEU:HD23	18	0.4
(1,581)	1:519:A:ILE:HG22	1:533:A:LEU:HD21	18	0.4
(1,581)	1:519:A:ILE:HG22	1:533:A:LEU:HD22	18	0.4
(1,581)	1:519:A:ILE:HG22	1:533:A:LEU:HD23	18	0.4
(1,581)	1:519:A:ILE:HG23	1:533:A:LEU:HD21	18	0.4
(1,581)	1:519:A:ILE:HG23	1:533:A:LEU:HD22	18	0.4
(1,581)	1:519:A:ILE:HG23	1:533:A:LEU:HD23	18	0.4
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD11	3	0.4
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD12	3	0.4
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD13	3	0.4
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD11	3	0.4
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD12	3	0.4
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD13	3	0.4
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD11	3	0.4
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD12	3	0.4
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD13	3	0.4
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD11	9	0.4
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD12	9	0.4
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD13	9	0.4
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD11	9	0.4
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD12	9	0.4
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD13	9	0.4
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD11	9	0.4
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD12	9	0.4
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD13	9	0.4
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD11	14	0.4
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD12	14	0.4
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD13	14	0.4
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD11	14	0.4
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD12	14	0.4
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD13	14	0.4
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD11	14	0.4
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD12	14	0.4
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD13	14	0.4
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD11	16	0.4
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD12	16	0.4
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD13	16	0.4
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD11	16	0.4
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD12	16	0.4
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD13	16	0.4
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD11	16	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD12	16	0.4
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD13	16	0.4
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD11	19	0.4
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD12	19	0.4
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD13	19	0.4
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD11	19	0.4
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD12	19	0.4
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD13	19	0.4
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD11	19	0.4
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD12	19	0.4
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD13	19	0.4
(1,514)	1:508:A:ILE:HG21	1:519:A:ILE:HG12	12	0.4
(1,514)	1:508:A:ILE:HG22	1:519:A:ILE:HG12	12	0.4
(1,514)	1:508:A:ILE:HG23	1:519:A:ILE:HG12	12	0.4
(1,493)	1:535:A:LYS:H	1:535:A:LYS:HG3	2	0.4
(1,468)	1:561:A:GLY:H	1:562:A:ASP:H	7	0.4
(1,468)	1:561:A:GLY:H	1:562:A:ASP:H	12	0.4
(1,468)	1:561:A:GLY:H	1:562:A:ASP:H	15	0.4
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG21	7	0.4
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG22	7	0.4
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG23	7	0.4
(1,303)	1:491:A:ILE:H	1:528:A:HIS:HB3	4	0.4
(1,232)	1:500:A:GLU:HB3	1:503:A:HIS:H	16	0.4
(1,209)	1:549:A:ARG:HB2	1:550:A:ILE:H	7	0.4
(1,186)	1:489:A:TYR:HB2	1:490:A:ARG:H	13	0.4
(1,49)	1:563:A:ALA:HB1	1:564:A:GLN:H	11	0.4
(1,49)	1:563:A:ALA:HB2	1:564:A:GLN:H	11	0.4
(1,49)	1:563:A:ALA:HB3	1:564:A:GLN:H	11	0.4
(1,6)	1:489:A:TYR:HA	1:560:A:LEU:H	4	0.4
(1,6)	1:489:A:TYR:HA	1:560:A:LEU:H	9	0.4
(1,6)	1:489:A:TYR:HA	1:560:A:LEU:H	13	0.4
(1,6)	1:489:A:TYR:HA	1:560:A:LEU:H	19	0.4
(1,816)	1:497:A:ASP:HA	1:527:A:SER:HA	6	0.39
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD11	20	0.39
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD12	20	0.39
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD13	20	0.39
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD21	1	0.39
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD22	1	0.39
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD23	1	0.39
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD21	1	0.39
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD22	1	0.39
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD23	1	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD21	1	0.39
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD22	1	0.39
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD23	1	0.39
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG21	18	0.39
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG22	18	0.39
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG23	18	0.39
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG21	18	0.39
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG22	18	0.39
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG23	18	0.39
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG21	18	0.39
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG22	18	0.39
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG23	18	0.39
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG21	19	0.39
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG22	19	0.39
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG23	19	0.39
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG21	19	0.39
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG22	19	0.39
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG23	19	0.39
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG21	19	0.39
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG22	19	0.39
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG23	19	0.39
(1,713)	1:491:A:ILE:HG21	1:555:A:MET:HB3	19	0.39
(1,713)	1:491:A:ILE:HG22	1:555:A:MET:HB3	19	0.39
(1,713)	1:491:A:ILE:HG23	1:555:A:MET:HB3	19	0.39
(1,666)	1:501:A:VAL:HG11	1:522:A:ILE:HG12	7	0.39
(1,666)	1:501:A:VAL:HG12	1:522:A:ILE:HG12	7	0.39
(1,666)	1:501:A:VAL:HG13	1:522:A:ILE:HG12	7	0.39
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG21	5	0.39
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG22	5	0.39
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG23	5	0.39
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD11	8	0.39
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD12	8	0.39
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD13	8	0.39
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD11	9	0.39
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD12	9	0.39
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD13	9	0.39
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD11	12	0.39
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD12	12	0.39
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD13	12	0.39
(1,621)	1:538:A:PRO:HA	1:539:A:GLY:HA2	4	0.39
(1,564)	1:490:A:ARG:HB2	1:491:A:ILE:HG13	13	0.39
(1,514)	1:508:A:ILE:HG21	1:519:A:ILE:HG12	5	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:508:A:ILE:HG22	1:519:A:ILE:HG12	5	0.39
(1,514)	1:508:A:ILE:HG23	1:519:A:ILE:HG12	5	0.39
(1,514)	1:508:A:ILE:HG21	1:519:A:ILE:HG12	11	0.39
(1,514)	1:508:A:ILE:HG22	1:519:A:ILE:HG12	11	0.39
(1,514)	1:508:A:ILE:HG23	1:519:A:ILE:HG12	11	0.39
(1,500)	1:552:A:ASN:HA	1:553:A:LYS:H	1	0.39
(1,500)	1:552:A:ASN:HA	1:553:A:LYS:H	2	0.39
(1,500)	1:552:A:ASN:HA	1:553:A:LYS:H	3	0.39
(1,500)	1:552:A:ASN:HA	1:553:A:LYS:H	4	0.39
(1,500)	1:552:A:ASN:HA	1:553:A:LYS:H	5	0.39
(1,500)	1:552:A:ASN:HA	1:553:A:LYS:H	6	0.39
(1,500)	1:552:A:ASN:HA	1:553:A:LYS:H	7	0.39
(1,500)	1:552:A:ASN:HA	1:553:A:LYS:H	8	0.39
(1,500)	1:552:A:ASN:HA	1:553:A:LYS:H	9	0.39
(1,500)	1:552:A:ASN:HA	1:553:A:LYS:H	10	0.39
(1,500)	1:552:A:ASN:HA	1:553:A:LYS:H	11	0.39
(1,500)	1:552:A:ASN:HA	1:553:A:LYS:H	12	0.39
(1,500)	1:552:A:ASN:HA	1:553:A:LYS:H	13	0.39
(1,500)	1:552:A:ASN:HA	1:553:A:LYS:H	14	0.39
(1,500)	1:552:A:ASN:HA	1:553:A:LYS:H	15	0.39
(1,500)	1:552:A:ASN:HA	1:553:A:LYS:H	16	0.39
(1,500)	1:552:A:ASN:HA	1:553:A:LYS:H	17	0.39
(1,500)	1:552:A:ASN:HA	1:553:A:LYS:H	18	0.39
(1,500)	1:552:A:ASN:HA	1:553:A:LYS:H	19	0.39
(1,500)	1:552:A:ASN:HA	1:553:A:LYS:H	20	0.39
(1,468)	1:561:A:GLY:H	1:562:A:ASP:H	2	0.39
(1,468)	1:561:A:GLY:H	1:562:A:ASP:H	6	0.39
(1,284)	1:514:A:ILE:HG13	1:515:A:SER:H	7	0.39
(1,284)	1:514:A:ILE:HG13	1:515:A:SER:H	18	0.39
(1,209)	1:549:A:ARG:HB2	1:550:A:ILE:H	8	0.39
(1,209)	1:549:A:ARG:HB2	1:550:A:ILE:H	14	0.39
(1,186)	1:489:A:TYR:HB2	1:490:A:ARG:H	10	0.39
(1,186)	1:489:A:TYR:HB2	1:490:A:ARG:H	14	0.39
(1,101)	1:488:A:LEU:H	1:562:A:ASP:H	3	0.39
(1,71)	1:488:A:LEU:HD11	1:489:A:TYR:H	9	0.39
(1,71)	1:488:A:LEU:HD12	1:489:A:TYR:H	9	0.39
(1,71)	1:488:A:LEU:HD13	1:489:A:TYR:H	9	0.39
(1,69)	1:488:A:LEU:HG	1:489:A:TYR:H	12	0.39
(1,6)	1:489:A:TYR:HA	1:560:A:LEU:H	3	0.39
(1,6)	1:489:A:TYR:HA	1:560:A:LEU:H	5	0.39
(1,1161)	1:562:A:ASP:HB2	1:563:A:ALA:H	5	0.38
(1,1161)	1:562:A:ASP:HB3	1:563:A:ALA:H	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG2	14	0.38
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG3	14	0.38
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG2	20	0.38
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG3	20	0.38
(1,1055)	1:513:A:ASP:HB2	1:514:A:ILE:H	13	0.38
(1,1055)	1:513:A:ASP:HB3	1:514:A:ILE:H	13	0.38
(1,942)	1:486:A:MET:HB2	1:487:A:GLN:H	5	0.38
(1,942)	1:486:A:MET:HB3	1:487:A:GLN:H	5	0.38
(1,816)	1:497:A:ASP:HA	1:527:A:SER:HA	17	0.38
(1,814)	1:550:A:ILE:HG21	1:555:A:MET:HB3	14	0.38
(1,814)	1:550:A:ILE:HG22	1:555:A:MET:HB3	14	0.38
(1,814)	1:550:A:ILE:HG23	1:555:A:MET:HB3	14	0.38
(1,814)	1:550:A:ILE:HG21	1:555:A:MET:HB3	18	0.38
(1,814)	1:550:A:ILE:HG22	1:555:A:MET:HB3	18	0.38
(1,814)	1:550:A:ILE:HG23	1:555:A:MET:HB3	18	0.38
(1,814)	1:550:A:ILE:HG21	1:555:A:MET:HB3	20	0.38
(1,814)	1:550:A:ILE:HG22	1:555:A:MET:HB3	20	0.38
(1,814)	1:550:A:ILE:HG23	1:555:A:MET:HB3	20	0.38
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD11	18	0.38
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD12	18	0.38
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD13	18	0.38
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG21	1	0.38
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG22	1	0.38
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG23	1	0.38
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG21	1	0.38
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG22	1	0.38
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG23	1	0.38
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG21	1	0.38
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG22	1	0.38
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG23	1	0.38
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG21	2	0.38
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG22	2	0.38
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG23	2	0.38
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG21	2	0.38
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG22	2	0.38
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG23	2	0.38
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG21	2	0.38
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG22	2	0.38
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG23	2	0.38
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG21	3	0.38
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG22	3	0.38
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG23	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG21	3	0.38
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG22	3	0.38
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG23	3	0.38
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG21	3	0.38
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG22	3	0.38
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG23	3	0.38
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG21	8	0.38
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG22	8	0.38
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG23	8	0.38
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG21	8	0.38
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG22	8	0.38
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG23	8	0.38
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG21	8	0.38
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG22	8	0.38
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG23	8	0.38
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG21	12	0.38
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG22	12	0.38
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG23	12	0.38
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG21	12	0.38
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG22	12	0.38
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG23	12	0.38
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG21	12	0.38
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG22	12	0.38
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG23	12	0.38
(1,713)	1:491:A:ILE:HG21	1:555:A:MET:HB3	13	0.38
(1,713)	1:491:A:ILE:HG22	1:555:A:MET:HB3	13	0.38
(1,713)	1:491:A:ILE:HG23	1:555:A:MET:HB3	13	0.38
(1,658)	1:541:A:VAL:HG11	1:542:A:LEU:HB2	1	0.38
(1,658)	1:541:A:VAL:HG12	1:542:A:LEU:HB2	1	0.38
(1,658)	1:541:A:VAL:HG13	1:542:A:LEU:HB2	1	0.38
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD11	15	0.38
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD12	15	0.38
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD13	15	0.38
(1,621)	1:538:A:PRO:HA	1:539:A:GLY:HA2	2	0.38
(1,564)	1:490:A:ARG:HB2	1:491:A:ILE:HG13	18	0.38
(1,514)	1:508:A:ILE:HG21	1:519:A:ILE:HG12	4	0.38
(1,514)	1:508:A:ILE:HG22	1:519:A:ILE:HG12	4	0.38
(1,514)	1:508:A:ILE:HG23	1:519:A:ILE:HG12	4	0.38
(1,493)	1:535:A:LYS:H	1:535:A:LYS:HG3	5	0.38
(1,493)	1:535:A:LYS:H	1:535:A:LYS:HG3	8	0.38
(1,493)	1:535:A:LYS:H	1:535:A:LYS:HG3	12	0.38
(1,468)	1:561:A:GLY:H	1:562:A:ASP:H	4	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,468)	1:561:A:GLY:H	1:562:A:ASP:H	16	0.38
(1,468)	1:561:A:GLY:H	1:562:A:ASP:H	17	0.38
(1,468)	1:561:A:GLY:H	1:562:A:ASP:H	20	0.38
(1,449)	1:483:A:VAL:HG11	1:536:A:GLY:H	10	0.38
(1,449)	1:483:A:VAL:HG12	1:536:A:GLY:H	10	0.38
(1,449)	1:483:A:VAL:HG13	1:536:A:GLY:H	10	0.38
(1,449)	1:483:A:VAL:HG11	1:536:A:GLY:H	11	0.38
(1,449)	1:483:A:VAL:HG12	1:536:A:GLY:H	11	0.38
(1,449)	1:483:A:VAL:HG13	1:536:A:GLY:H	11	0.38
(1,287)	1:505:A:VAL:HG11	1:516:A:SER:H	7	0.38
(1,287)	1:505:A:VAL:HG12	1:516:A:SER:H	7	0.38
(1,287)	1:505:A:VAL:HG13	1:516:A:SER:H	7	0.38
(1,284)	1:514:A:ILE:HG13	1:515:A:SER:H	4	0.38
(1,284)	1:514:A:ILE:HG13	1:515:A:SER:H	11	0.38
(1,209)	1:549:A:ARG:HB2	1:550:A:ILE:H	4	0.38
(1,209)	1:549:A:ARG:HB2	1:550:A:ILE:H	17	0.38
(1,209)	1:549:A:ARG:HB2	1:550:A:ILE:H	19	0.38
(1,182)	1:561:A:GLY:HA2	1:562:A:ASP:H	13	0.38
(1,101)	1:488:A:LEU:H	1:562:A:ASP:H	10	0.38
(1,97)	1:525:A:PHE:H	1:530:A:THR:H	18	0.38
(1,71)	1:488:A:LEU:HD11	1:489:A:TYR:H	16	0.38
(1,71)	1:488:A:LEU:HD12	1:489:A:TYR:H	16	0.38
(1,71)	1:488:A:LEU:HD13	1:489:A:TYR:H	16	0.38
(1,71)	1:488:A:LEU:HD11	1:489:A:TYR:H	20	0.38
(1,71)	1:488:A:LEU:HD12	1:489:A:TYR:H	20	0.38
(1,71)	1:488:A:LEU:HD13	1:489:A:TYR:H	20	0.38
(1,69)	1:488:A:LEU:HG	1:489:A:TYR:H	14	0.38
(1,49)	1:563:A:ALA:HB1	1:564:A:GLN:H	20	0.38
(1,49)	1:563:A:ALA:HB2	1:564:A:GLN:H	20	0.38
(1,49)	1:563:A:ALA:HB3	1:564:A:GLN:H	20	0.38
(1,6)	1:489:A:TYR:HA	1:560:A:LEU:H	1	0.38
(1,6)	1:489:A:TYR:HA	1:560:A:LEU:H	2	0.38
(1,6)	1:489:A:TYR:HA	1:560:A:LEU:H	7	0.38
(1,6)	1:489:A:TYR:HA	1:560:A:LEU:H	15	0.38
(1,6)	1:489:A:TYR:HA	1:560:A:LEU:H	17	0.38
(1,6)	1:489:A:TYR:HA	1:560:A:LEU:H	18	0.38
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG2	15	0.37
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG3	15	0.37
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD11	3	0.37
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD12	3	0.37
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD13	3	0.37
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD21	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD22	3	0.37
(1,1156)	1:559:A:LEU:H	1:559:A:LEU:HD23	3	0.37
(1,1152)	1:558:A:GLN:HG2	1:559:A:LEU:H	3	0.37
(1,1152)	1:558:A:GLN:HG3	1:559:A:LEU:H	3	0.37
(1,1152)	1:558:A:GLN:HG2	1:559:A:LEU:H	13	0.37
(1,1152)	1:558:A:GLN:HG3	1:559:A:LEU:H	13	0.37
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG2	1	0.37
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG3	1	0.37
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG2	8	0.37
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG3	8	0.37
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG2	12	0.37
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG3	12	0.37
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG2	16	0.37
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG3	16	0.37
(1,1075)	1:521:A:ASN:HB2	1:522:A:ILE:H	17	0.37
(1,1075)	1:521:A:ASN:HB3	1:522:A:ILE:H	17	0.37
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD21	4	0.37
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD22	4	0.37
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD23	4	0.37
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD21	4	0.37
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD22	4	0.37
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD23	4	0.37
(1,816)	1:497:A:ASP:HA	1:527:A:SER:HA	7	0.37
(1,814)	1:550:A:ILE:HG21	1:555:A:MET:HB3	12	0.37
(1,814)	1:550:A:ILE:HG22	1:555:A:MET:HB3	12	0.37
(1,814)	1:550:A:ILE:HG23	1:555:A:MET:HB3	12	0.37
(1,772)	1:496:A:ASP:HB3	1:527:A:SER:HA	20	0.37
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG21	5	0.37
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG22	5	0.37
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG23	5	0.37
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG21	5	0.37
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG22	5	0.37
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG23	5	0.37
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG21	5	0.37
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG22	5	0.37
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG23	5	0.37
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG21	6	0.37
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG22	6	0.37
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG23	6	0.37
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG21	6	0.37
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG22	6	0.37
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG23	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG21	6	0.37
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG22	6	0.37
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG23	6	0.37
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG21	11	0.37
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG22	11	0.37
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG23	11	0.37
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG21	11	0.37
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG22	11	0.37
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG23	11	0.37
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG21	11	0.37
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG22	11	0.37
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG23	11	0.37
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG21	16	0.37
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG22	16	0.37
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG23	16	0.37
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG21	16	0.37
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG22	16	0.37
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG23	16	0.37
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG21	16	0.37
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG22	16	0.37
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG23	16	0.37
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG21	13	0.37
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG22	13	0.37
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG23	13	0.37
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD11	5	0.37
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD12	5	0.37
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD13	5	0.37
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD11	18	0.37
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD12	18	0.37
(1,640)	1:551:A:LEU:HA	1:551:A:LEU:HD13	18	0.37
(1,564)	1:490:A:ARG:HB2	1:491:A:ILE:HG13	3	0.37
(1,564)	1:490:A:ARG:HB2	1:491:A:ILE:HG13	17	0.37
(1,493)	1:535:A:LYS:H	1:535:A:LYS:HG3	19	0.37
(1,449)	1:483:A:VAL:HG11	1:536:A:GLY:H	15	0.37
(1,449)	1:483:A:VAL:HG12	1:536:A:GLY:H	15	0.37
(1,449)	1:483:A:VAL:HG13	1:536:A:GLY:H	15	0.37
(1,444)	1:483:A:VAL:HG11	1:484:A:GLY:H	1	0.37
(1,444)	1:483:A:VAL:HG12	1:484:A:GLY:H	1	0.37
(1,444)	1:483:A:VAL:HG13	1:484:A:GLY:H	1	0.37
(1,284)	1:514:A:ILE:HG13	1:515:A:SER:H	1	0.37
(1,284)	1:514:A:ILE:HG13	1:515:A:SER:H	8	0.37
(1,284)	1:514:A:ILE:HG13	1:515:A:SER:H	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,284)	1:514:A:ILE:HG13	1:515:A:SER:H	14	0.37
(1,284)	1:514:A:ILE:HG13	1:515:A:SER:H	15	0.37
(1,232)	1:500:A:GLU:HB3	1:503:A:HIS:H	17	0.37
(1,221)	1:521:A:ASN:H	1:532:A:GLU:HA	18	0.37
(1,215)	1:515:A:SER:H	1:517:A:ARG:H	12	0.37
(1,209)	1:549:A:ARG:HB2	1:550:A:ILE:H	10	0.37
(1,209)	1:549:A:ARG:HB2	1:550:A:ILE:H	11	0.37
(1,182)	1:561:A:GLY:HA2	1:562:A:ASP:H	14	0.37
(1,69)	1:488:A:LEU:HG	1:489:A:TYR:H	13	0.37
(1,69)	1:488:A:LEU:HG	1:489:A:TYR:H	16	0.37
(1,6)	1:489:A:TYR:HA	1:560:A:LEU:H	6	0.37
(1,6)	1:489:A:TYR:HA	1:560:A:LEU:H	10	0.37
(1,6)	1:489:A:TYR:HA	1:560:A:LEU:H	14	0.37
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG2	3	0.36
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG3	3	0.36
(1,1131)	1:549:A:ARG:HD2	1:550:A:ILE:H	2	0.36
(1,1131)	1:549:A:ARG:HD3	1:550:A:ILE:H	2	0.36
(1,1131)	1:549:A:ARG:HD2	1:550:A:ILE:H	13	0.36
(1,1131)	1:549:A:ARG:HD3	1:550:A:ILE:H	13	0.36
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG2	3	0.36
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG3	3	0.36
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG2	5	0.36
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG3	5	0.36
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG2	6	0.36
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG3	6	0.36
(1,1075)	1:521:A:ASN:HB2	1:522:A:ILE:H	14	0.36
(1,1075)	1:521:A:ASN:HB3	1:522:A:ILE:H	14	0.36
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	14	0.36
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	14	0.36
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	14	0.36
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	14	0.36
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	14	0.36
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	14	0.36
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	14	0.36
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	14	0.36
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	14	0.36
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD11	14	0.36
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD12	14	0.36
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD13	14	0.36
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD11	14	0.36
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD12	14	0.36
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD13	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD11	14	0.36
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD12	14	0.36
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD13	14	0.36
(1,871)	1:500:A:GLU:HB3	1:501:A:VAL:HB	5	0.36
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD11	2	0.36
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD12	2	0.36
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD13	2	0.36
(1,775)	1:523:A:LYS:HG3	1:525:A:PHE:HA	14	0.36
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG21	9	0.36
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG22	9	0.36
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG23	9	0.36
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG21	9	0.36
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG22	9	0.36
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG23	9	0.36
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG21	9	0.36
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG22	9	0.36
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG23	9	0.36
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG21	14	0.36
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG22	14	0.36
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG23	14	0.36
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG21	14	0.36
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG22	14	0.36
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG23	14	0.36
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG21	14	0.36
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG22	14	0.36
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG23	14	0.36
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG21	20	0.36
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG22	20	0.36
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG23	20	0.36
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG21	20	0.36
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG22	20	0.36
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG23	20	0.36
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG21	20	0.36
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG22	20	0.36
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG23	20	0.36
(1,713)	1:491:A:ILE:HG21	1:555:A:MET:HB3	2	0.36
(1,713)	1:491:A:ILE:HG22	1:555:A:MET:HB3	2	0.36
(1,713)	1:491:A:ILE:HG23	1:555:A:MET:HB3	2	0.36
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG21	2	0.36
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG22	2	0.36
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG23	2	0.36
(1,666)	1:501:A:VAL:HG11	1:522:A:ILE:HG12	6	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,666)	1:501:A:VAL:HG12	1:522:A:ILE:HG12	6	0.36
(1,666)	1:501:A:VAL:HG13	1:522:A:ILE:HG12	6	0.36
(1,621)	1:538:A:PRO:HA	1:539:A:GLY:HA2	3	0.36
(1,621)	1:538:A:PRO:HA	1:539:A:GLY:HA2	10	0.36
(1,514)	1:508:A:ILE:HG21	1:519:A:ILE:HG12	3	0.36
(1,514)	1:508:A:ILE:HG22	1:519:A:ILE:HG12	3	0.36
(1,514)	1:508:A:ILE:HG23	1:519:A:ILE:HG12	3	0.36
(1,514)	1:508:A:ILE:HG21	1:519:A:ILE:HG12	6	0.36
(1,514)	1:508:A:ILE:HG22	1:519:A:ILE:HG12	6	0.36
(1,514)	1:508:A:ILE:HG23	1:519:A:ILE:HG12	6	0.36
(1,494)	1:523:A:LYS:H	1:523:A:LYS:HE2	19	0.36
(1,494)	1:523:A:LYS:H	1:523:A:LYS:HE3	19	0.36
(1,468)	1:561:A:GLY:H	1:562:A:ASP:H	11	0.36
(1,460)	1:551:A:LEU:HA	1:552:A:ASN:H	1	0.36
(1,460)	1:551:A:LEU:HA	1:552:A:ASN:H	2	0.36
(1,460)	1:551:A:LEU:HA	1:552:A:ASN:H	3	0.36
(1,460)	1:551:A:LEU:HA	1:552:A:ASN:H	4	0.36
(1,460)	1:551:A:LEU:HA	1:552:A:ASN:H	5	0.36
(1,460)	1:551:A:LEU:HA	1:552:A:ASN:H	6	0.36
(1,460)	1:551:A:LEU:HA	1:552:A:ASN:H	7	0.36
(1,460)	1:551:A:LEU:HA	1:552:A:ASN:H	8	0.36
(1,460)	1:551:A:LEU:HA	1:552:A:ASN:H	9	0.36
(1,460)	1:551:A:LEU:HA	1:552:A:ASN:H	10	0.36
(1,460)	1:551:A:LEU:HA	1:552:A:ASN:H	11	0.36
(1,460)	1:551:A:LEU:HA	1:552:A:ASN:H	12	0.36
(1,460)	1:551:A:LEU:HA	1:552:A:ASN:H	13	0.36
(1,460)	1:551:A:LEU:HA	1:552:A:ASN:H	14	0.36
(1,460)	1:551:A:LEU:HA	1:552:A:ASN:H	15	0.36
(1,460)	1:551:A:LEU:HA	1:552:A:ASN:H	16	0.36
(1,460)	1:551:A:LEU:HA	1:552:A:ASN:H	17	0.36
(1,460)	1:551:A:LEU:HA	1:552:A:ASN:H	18	0.36
(1,460)	1:551:A:LEU:HA	1:552:A:ASN:H	19	0.36
(1,460)	1:551:A:LEU:HA	1:552:A:ASN:H	20	0.36
(1,303)	1:491:A:ILE:H	1:528:A:HIS:HB3	2	0.36
(1,233)	1:521:A:ASN:H	1:532:A:GLU:HB2	6	0.36
(1,221)	1:521:A:ASN:H	1:532:A:GLU:HA	4	0.36
(1,221)	1:521:A:ASN:H	1:532:A:GLU:HA	11	0.36
(1,221)	1:521:A:ASN:H	1:532:A:GLU:HA	12	0.36
(1,221)	1:521:A:ASN:H	1:532:A:GLU:HA	15	0.36
(1,215)	1:515:A:SER:H	1:517:A:ARG:H	17	0.36
(1,209)	1:549:A:ARG:HB2	1:550:A:ILE:H	16	0.36
(1,182)	1:561:A:GLY:HA2	1:562:A:ASP:H	19	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,148)	1:523:A:LYS:HG3	1:524:A:LEU:H	16	0.36
(1,124)	1:557:A:MET:HB3	1:558:A:GLN:H	15	0.36
(1,49)	1:563:A:ALA:HB1	1:564:A:GLN:H	1	0.36
(1,49)	1:563:A:ALA:HB2	1:564:A:GLN:H	1	0.36
(1,49)	1:563:A:ALA:HB3	1:564:A:GLN:H	1	0.36
(1,49)	1:563:A:ALA:HB1	1:564:A:GLN:H	15	0.36
(1,49)	1:563:A:ALA:HB2	1:564:A:GLN:H	15	0.36
(1,49)	1:563:A:ALA:HB3	1:564:A:GLN:H	15	0.36
(1,43)	1:551:A:LEU:H	1:552:A:ASN:HB2	10	0.36
(1,43)	1:551:A:LEU:H	1:552:A:ASN:HB2	15	0.36
(1,6)	1:489:A:TYR:HA	1:560:A:LEU:H	16	0.36
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG2	13	0.35
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG3	13	0.35
(1,1131)	1:549:A:ARG:HD2	1:550:A:ILE:H	3	0.35
(1,1131)	1:549:A:ARG:HD3	1:550:A:ILE:H	3	0.35
(1,1131)	1:549:A:ARG:HD2	1:550:A:ILE:H	6	0.35
(1,1131)	1:549:A:ARG:HD3	1:550:A:ILE:H	6	0.35
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG2	4	0.35
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG3	4	0.35
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD2	3	0.35
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD3	3	0.35
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD2	4	0.35
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD3	4	0.35
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD2	9	0.35
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD3	9	0.35
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD2	16	0.35
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD3	16	0.35
(1,1079)	1:523:A:LYS:HE2	1:524:A:LEU:H	6	0.35
(1,1079)	1:523:A:LYS:HE3	1:524:A:LEU:H	6	0.35
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD21	10	0.35
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD22	10	0.35
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD23	10	0.35
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD21	10	0.35
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD22	10	0.35
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD23	10	0.35
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG21	10	0.35
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG22	10	0.35
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG23	10	0.35
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG21	10	0.35
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG22	10	0.35
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG23	10	0.35
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG21	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG22	10	0.35
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG23	10	0.35
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG21	17	0.35
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG22	17	0.35
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG23	17	0.35
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG21	17	0.35
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG22	17	0.35
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG23	17	0.35
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG21	17	0.35
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG22	17	0.35
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG23	17	0.35
(1,713)	1:491:A:ILE:HG21	1:555:A:MET:HB3	16	0.35
(1,713)	1:491:A:ILE:HG22	1:555:A:MET:HB3	16	0.35
(1,713)	1:491:A:ILE:HG23	1:555:A:MET:HB3	16	0.35
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG21	16	0.35
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG22	16	0.35
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG23	16	0.35
(1,666)	1:501:A:VAL:HG11	1:522:A:ILE:HG12	8	0.35
(1,666)	1:501:A:VAL:HG12	1:522:A:ILE:HG12	8	0.35
(1,666)	1:501:A:VAL:HG13	1:522:A:ILE:HG12	8	0.35
(1,633)	1:549:A:ARG:HB3	1:554:A:PRO:HA	15	0.35
(1,621)	1:538:A:PRO:HA	1:539:A:GLY:HA2	6	0.35
(1,564)	1:490:A:ARG:HB2	1:491:A:ILE:HG13	5	0.35
(1,493)	1:535:A:LYS:H	1:535:A:LYS:HG3	10	0.35
(1,468)	1:561:A:GLY:H	1:562:A:ASP:H	10	0.35
(1,449)	1:483:A:VAL:HG11	1:536:A:GLY:H	5	0.35
(1,449)	1:483:A:VAL:HG12	1:536:A:GLY:H	5	0.35
(1,449)	1:483:A:VAL:HG13	1:536:A:GLY:H	5	0.35
(1,449)	1:483:A:VAL:HG11	1:536:A:GLY:H	17	0.35
(1,449)	1:483:A:VAL:HG12	1:536:A:GLY:H	17	0.35
(1,449)	1:483:A:VAL:HG13	1:536:A:GLY:H	17	0.35
(1,284)	1:514:A:ILE:HG13	1:515:A:SER:H	5	0.35
(1,284)	1:514:A:ILE:HG13	1:515:A:SER:H	12	0.35
(1,263)	1:512:A:GLY:H	1:513:A:ASP:H	19	0.35
(1,263)	1:512:A:GLY:H	1:513:A:ASP:H	20	0.35
(1,233)	1:521:A:ASN:H	1:532:A:GLU:HB2	2	0.35
(1,233)	1:521:A:ASN:H	1:532:A:GLU:HB2	3	0.35
(1,233)	1:521:A:ASN:H	1:532:A:GLU:HB2	5	0.35
(1,233)	1:521:A:ASN:H	1:532:A:GLU:HB2	7	0.35
(1,233)	1:521:A:ASN:H	1:532:A:GLU:HB2	8	0.35
(1,233)	1:521:A:ASN:H	1:532:A:GLU:HB2	9	0.35
(1,233)	1:521:A:ASN:H	1:532:A:GLU:HB2	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:521:A:ASN:H	1:532:A:GLU:HB2	17	0.35
(1,233)	1:521:A:ASN:H	1:532:A:GLU:HB2	18	0.35
(1,233)	1:521:A:ASN:H	1:532:A:GLU:HB2	20	0.35
(1,218)	1:504:A:ILE:H	1:506:A:GLY:H	17	0.35
(1,215)	1:515:A:SER:H	1:517:A:ARG:H	3	0.35
(1,215)	1:515:A:SER:H	1:517:A:ARG:H	11	0.35
(1,215)	1:515:A:SER:H	1:517:A:ARG:H	16	0.35
(1,211)	1:501:A:VAL:H	1:504:A:ILE:H	2	0.35
(1,211)	1:501:A:VAL:H	1:504:A:ILE:H	5	0.35
(1,211)	1:501:A:VAL:H	1:504:A:ILE:H	6	0.35
(1,211)	1:501:A:VAL:H	1:504:A:ILE:H	9	0.35
(1,211)	1:501:A:VAL:H	1:504:A:ILE:H	13	0.35
(1,209)	1:549:A:ARG:HB2	1:550:A:ILE:H	5	0.35
(1,209)	1:549:A:ARG:HB2	1:550:A:ILE:H	18	0.35
(1,182)	1:561:A:GLY:HA2	1:562:A:ASP:H	1	0.35
(1,69)	1:488:A:LEU:HG	1:489:A:TYR:H	7	0.35
(1,67)	1:488:A:LEU:HB2	1:489:A:TYR:H	5	0.35
(1,67)	1:488:A:LEU:HB2	1:489:A:TYR:H	17	0.35
(1,49)	1:563:A:ALA:HB1	1:564:A:GLN:H	14	0.35
(1,49)	1:563:A:ALA:HB2	1:564:A:GLN:H	14	0.35
(1,49)	1:563:A:ALA:HB3	1:564:A:GLN:H	14	0.35
(1,43)	1:551:A:LEU:H	1:552:A:ASN:HB2	4	0.35
(1,17)	1:491:A:ILE:HG21	1:492:A:GLU:H	19	0.35
(1,17)	1:491:A:ILE:HG22	1:492:A:GLU:H	19	0.35
(1,17)	1:491:A:ILE:HG23	1:492:A:GLU:H	19	0.35
(1,6)	1:489:A:TYR:HA	1:560:A:LEU:H	8	0.35
(1,6)	1:489:A:TYR:HA	1:560:A:LEU:H	11	0.35
(1,1131)	1:549:A:ARG:HD2	1:550:A:ILE:H	9	0.34
(1,1131)	1:549:A:ARG:HD3	1:550:A:ILE:H	9	0.34
(1,1131)	1:549:A:ARG:HD2	1:550:A:ILE:H	10	0.34
(1,1131)	1:549:A:ARG:HD3	1:550:A:ILE:H	10	0.34
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG2	10	0.34
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG3	10	0.34
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG2	15	0.34
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG3	15	0.34
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG2	18	0.34
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG3	18	0.34
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD2	13	0.34
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD3	13	0.34
(1,1075)	1:521:A:ASN:HB2	1:522:A:ILE:H	6	0.34
(1,1075)	1:521:A:ASN:HB3	1:522:A:ILE:H	6	0.34
(1,1075)	1:521:A:ASN:HB2	1:522:A:ILE:H	20	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1075)	1:521:A:ASN:HB3	1:522:A:ILE:H	20	0.34
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	10	0.34
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	10	0.34
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	10	0.34
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	10	0.34
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	10	0.34
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	10	0.34
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	10	0.34
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	10	0.34
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	10	0.34
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD11	10	0.34
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD12	10	0.34
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD13	10	0.34
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD11	10	0.34
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD12	10	0.34
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD13	10	0.34
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD11	10	0.34
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD12	10	0.34
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD13	10	0.34
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	16	0.34
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	16	0.34
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	16	0.34
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	16	0.34
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	16	0.34
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	16	0.34
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	16	0.34
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	16	0.34
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	16	0.34
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD11	16	0.34
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD12	16	0.34
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD13	16	0.34
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD11	16	0.34
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD12	16	0.34
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD13	16	0.34
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD11	16	0.34
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD12	16	0.34
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD13	16	0.34
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD21	6	0.34
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD22	6	0.34
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD23	6	0.34
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD21	6	0.34
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD22	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD23	6	0.34
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD21	13	0.34
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD22	13	0.34
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD23	13	0.34
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD21	13	0.34
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD22	13	0.34
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD23	13	0.34
(1,871)	1:500:A:GLU:HB3	1:501:A:VAL:HB	17	0.34
(1,816)	1:497:A:ASP:HA	1:527:A:SER:HA	9	0.34
(1,816)	1:497:A:ASP:HA	1:527:A:SER:HA	13	0.34
(1,816)	1:497:A:ASP:HA	1:527:A:SER:HA	16	0.34
(1,816)	1:497:A:ASP:HA	1:527:A:SER:HA	20	0.34
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD11	6	0.34
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD12	6	0.34
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD13	6	0.34
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD11	11	0.34
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD12	11	0.34
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD13	11	0.34
(1,772)	1:496:A:ASP:HB3	1:527:A:SER:HA	9	0.34
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG21	4	0.34
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG22	4	0.34
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG23	4	0.34
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG21	4	0.34
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG22	4	0.34
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG23	4	0.34
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG21	4	0.34
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG22	4	0.34
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG23	4	0.34
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG21	7	0.34
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG22	7	0.34
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG23	7	0.34
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG21	7	0.34
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG22	7	0.34
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG23	7	0.34
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG21	7	0.34
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG22	7	0.34
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG23	7	0.34
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG21	13	0.34
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG22	13	0.34
(1,752)	1:519:A:ILE:HG21	1:531:A:ILE:HG23	13	0.34
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG21	13	0.34
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG22	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,752)	1:519:A:ILE:HG22	1:531:A:ILE:HG23	13	0.34
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG21	13	0.34
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG22	13	0.34
(1,752)	1:519:A:ILE:HG23	1:531:A:ILE:HG23	13	0.34
(1,666)	1:501:A:VAL:HG11	1:522:A:ILE:HG12	14	0.34
(1,666)	1:501:A:VAL:HG12	1:522:A:ILE:HG12	14	0.34
(1,666)	1:501:A:VAL:HG13	1:522:A:ILE:HG12	14	0.34
(1,621)	1:538:A:PRO:HA	1:539:A:GLY:HA2	8	0.34
(1,621)	1:538:A:PRO:HA	1:539:A:GLY:HA2	14	0.34
(1,606)	1:514:A:ILE:HG21	1:533:A:LEU:HB3	1	0.34
(1,606)	1:514:A:ILE:HG22	1:533:A:LEU:HB3	1	0.34
(1,606)	1:514:A:ILE:HG23	1:533:A:LEU:HB3	1	0.34
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD11	12	0.34
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD12	12	0.34
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD13	12	0.34
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD11	12	0.34
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD12	12	0.34
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD13	12	0.34
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD11	12	0.34
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD12	12	0.34
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD13	12	0.34
(1,514)	1:508:A:ILE:HG21	1:519:A:ILE:HG12	8	0.34
(1,514)	1:508:A:ILE:HG22	1:519:A:ILE:HG12	8	0.34
(1,514)	1:508:A:ILE:HG23	1:519:A:ILE:HG12	8	0.34
(1,468)	1:561:A:GLY:H	1:562:A:ASP:H	1	0.34
(1,468)	1:561:A:GLY:H	1:562:A:ASP:H	19	0.34
(1,449)	1:483:A:VAL:HG11	1:536:A:GLY:H	16	0.34
(1,449)	1:483:A:VAL:HG12	1:536:A:GLY:H	16	0.34
(1,449)	1:483:A:VAL:HG13	1:536:A:GLY:H	16	0.34
(1,449)	1:483:A:VAL:HG11	1:536:A:GLY:H	20	0.34
(1,449)	1:483:A:VAL:HG12	1:536:A:GLY:H	20	0.34
(1,449)	1:483:A:VAL:HG13	1:536:A:GLY:H	20	0.34
(1,271)	1:513:A:ASP:HB2	1:514:A:ILE:H	12	0.34
(1,271)	1:513:A:ASP:HB2	1:514:A:ILE:H	18	0.34
(1,233)	1:521:A:ASN:H	1:532:A:GLU:HB2	1	0.34
(1,233)	1:521:A:ASN:H	1:532:A:GLU:HB2	14	0.34
(1,233)	1:521:A:ASN:H	1:532:A:GLU:HB2	16	0.34
(1,233)	1:521:A:ASN:H	1:532:A:GLU:HB2	19	0.34
(1,211)	1:501:A:VAL:H	1:504:A:ILE:H	1	0.34
(1,211)	1:501:A:VAL:H	1:504:A:ILE:H	3	0.34
(1,211)	1:501:A:VAL:H	1:504:A:ILE:H	4	0.34
(1,211)	1:501:A:VAL:H	1:504:A:ILE:H	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,211)	1:501:A:VAL:H	1:504:A:ILE:H	8	0.34
(1,211)	1:501:A:VAL:H	1:504:A:ILE:H	10	0.34
(1,211)	1:501:A:VAL:H	1:504:A:ILE:H	11	0.34
(1,211)	1:501:A:VAL:H	1:504:A:ILE:H	12	0.34
(1,211)	1:501:A:VAL:H	1:504:A:ILE:H	17	0.34
(1,211)	1:501:A:VAL:H	1:504:A:ILE:H	18	0.34
(1,211)	1:501:A:VAL:H	1:504:A:ILE:H	19	0.34
(1,211)	1:501:A:VAL:H	1:504:A:ILE:H	20	0.34
(1,186)	1:489:A:TYR:HB2	1:490:A:ARG:H	2	0.34
(1,182)	1:561:A:GLY:HA2	1:562:A:ASP:H	10	0.34
(1,182)	1:561:A:GLY:HA2	1:562:A:ASP:H	11	0.34
(1,148)	1:523:A:LYS:HG3	1:524:A:LEU:H	17	0.34
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD21	12	0.34
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD22	12	0.34
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD23	12	0.34
(1,71)	1:488:A:LEU:HD11	1:489:A:TYR:H	17	0.34
(1,71)	1:488:A:LEU:HD12	1:489:A:TYR:H	17	0.34
(1,71)	1:488:A:LEU:HD13	1:489:A:TYR:H	17	0.34
(1,67)	1:488:A:LEU:HB2	1:489:A:TYR:H	2	0.34
(1,67)	1:488:A:LEU:HB2	1:489:A:TYR:H	4	0.34
(1,43)	1:551:A:LEU:H	1:552:A:ASN:HB2	8	0.34
(1,1161)	1:562:A:ASP:HB2	1:563:A:ALA:H	9	0.33
(1,1161)	1:562:A:ASP:HB3	1:563:A:ALA:H	9	0.33
(1,1161)	1:562:A:ASP:HB2	1:563:A:ALA:H	17	0.33
(1,1161)	1:562:A:ASP:HB3	1:563:A:ALA:H	17	0.33
(1,1152)	1:558:A:GLN:HG2	1:559:A:LEU:H	2	0.33
(1,1152)	1:558:A:GLN:HG3	1:559:A:LEU:H	2	0.33
(1,1152)	1:558:A:GLN:HG2	1:559:A:LEU:H	14	0.33
(1,1152)	1:558:A:GLN:HG3	1:559:A:LEU:H	14	0.33
(1,1079)	1:523:A:LYS:HE2	1:524:A:LEU:H	9	0.33
(1,1079)	1:523:A:LYS:HE3	1:524:A:LEU:H	9	0.33
(1,1075)	1:521:A:ASN:HB2	1:522:A:ILE:H	11	0.33
(1,1075)	1:521:A:ASN:HB3	1:522:A:ILE:H	11	0.33
(1,1005)	1:494:A:GLY:HA2	1:529:A:SER:HB2	14	0.33
(1,1005)	1:494:A:GLY:HA2	1:529:A:SER:HB3	14	0.33
(1,878)	1:500:A:GLU:HB3	1:500:A:GLU:HG2	2	0.33
(1,878)	1:500:A:GLU:HB3	1:500:A:GLU:HG2	4	0.33
(1,878)	1:500:A:GLU:HB3	1:500:A:GLU:HG2	8	0.33
(1,878)	1:500:A:GLU:HB3	1:500:A:GLU:HG2	10	0.33
(1,878)	1:500:A:GLU:HB3	1:500:A:GLU:HG2	13	0.33
(1,878)	1:500:A:GLU:HB3	1:500:A:GLU:HG2	15	0.33
(1,878)	1:500:A:GLU:HB3	1:500:A:GLU:HG2	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,871)	1:500:A:GLU:HB3	1:501:A:VAL:HB	1	0.33
(1,871)	1:500:A:GLU:HB3	1:501:A:VAL:HB	3	0.33
(1,871)	1:500:A:GLU:HB3	1:501:A:VAL:HB	13	0.33
(1,871)	1:500:A:GLU:HB3	1:501:A:VAL:HB	16	0.33
(1,816)	1:497:A:ASP:HA	1:527:A:SER:HA	2	0.33
(1,816)	1:497:A:ASP:HA	1:527:A:SER:HA	5	0.33
(1,816)	1:497:A:ASP:HA	1:527:A:SER:HA	11	0.33
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD11	15	0.33
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD12	15	0.33
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD13	15	0.33
(1,772)	1:496:A:ASP:HB3	1:527:A:SER:HA	1	0.33
(1,772)	1:496:A:ASP:HB3	1:527:A:SER:HA	15	0.33
(1,732)	1:550:A:ILE:HG21	1:551:A:LEU:HB2	13	0.33
(1,732)	1:550:A:ILE:HG22	1:551:A:LEU:HB2	13	0.33
(1,732)	1:550:A:ILE:HG23	1:551:A:LEU:HB2	13	0.33
(1,706)	1:490:A:ARG:HG3	1:491:A:ILE:HA	9	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD11	2	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD12	2	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD13	2	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD11	3	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD12	3	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD13	3	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD11	4	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD12	4	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD13	4	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD11	5	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD12	5	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD13	5	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD11	6	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD12	6	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD13	6	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD11	7	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD12	7	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD13	7	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD11	8	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD12	8	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD13	8	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD11	9	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD12	9	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD13	9	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD11	10	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD12	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD13	10	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD11	12	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD12	12	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD13	12	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD11	13	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD12	13	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD13	13	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD11	17	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD12	17	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD13	17	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD11	18	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD12	18	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD13	18	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD11	19	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD12	19	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD13	19	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD11	20	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD12	20	0.33
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD13	20	0.33
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG21	8	0.33
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG22	8	0.33
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG23	8	0.33
(1,666)	1:501:A:VAL:HG11	1:522:A:ILE:HG12	19	0.33
(1,666)	1:501:A:VAL:HG12	1:522:A:ILE:HG12	19	0.33
(1,666)	1:501:A:VAL:HG13	1:522:A:ILE:HG12	19	0.33
(1,621)	1:538:A:PRO:HA	1:539:A:GLY:HA2	5	0.33
(1,621)	1:538:A:PRO:HA	1:539:A:GLY:HA2	7	0.33
(1,564)	1:490:A:ARG:HB2	1:491:A:ILE:HG13	2	0.33
(1,564)	1:490:A:ARG:HB2	1:491:A:ILE:HG13	19	0.33
(1,493)	1:535:A:LYS:H	1:535:A:LYS:HG3	6	0.33
(1,493)	1:535:A:LYS:H	1:535:A:LYS:HG3	15	0.33
(1,493)	1:535:A:LYS:H	1:535:A:LYS:HG3	17	0.33
(1,493)	1:535:A:LYS:H	1:535:A:LYS:HG3	20	0.33
(1,287)	1:505:A:VAL:HG11	1:516:A:SER:H	5	0.33
(1,287)	1:505:A:VAL:HG12	1:516:A:SER:H	5	0.33
(1,287)	1:505:A:VAL:HG13	1:516:A:SER:H	5	0.33
(1,284)	1:514:A:ILE:HG13	1:515:A:SER:H	2	0.33
(1,271)	1:513:A:ASP:HB2	1:514:A:ILE:H	16	0.33
(1,233)	1:521:A:ASN:H	1:532:A:GLU:HB2	12	0.33
(1,233)	1:521:A:ASN:H	1:532:A:GLU:HB2	15	0.33
(1,221)	1:521:A:ASN:H	1:532:A:GLU:HA	5	0.33
(1,221)	1:521:A:ASN:H	1:532:A:GLU:HA	16	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,221)	1:521:A:ASN:H	1:532:A:GLU:HA	19	0.33
(1,215)	1:515:A:SER:H	1:517:A:ARG:H	6	0.33
(1,215)	1:515:A:SER:H	1:517:A:ARG:H	18	0.33
(1,215)	1:515:A:SER:H	1:517:A:ARG:H	20	0.33
(1,211)	1:501:A:VAL:H	1:504:A:ILE:H	14	0.33
(1,211)	1:501:A:VAL:H	1:504:A:ILE:H	15	0.33
(1,211)	1:501:A:VAL:H	1:504:A:ILE:H	16	0.33
(1,209)	1:549:A:ARG:HB2	1:550:A:ILE:H	12	0.33
(1,189)	1:490:A:ARG:H	1:557:A:MET:HB3	15	0.33
(1,148)	1:523:A:LYS:HG3	1:524:A:LEU:H	2	0.33
(1,100)	1:495:A:ARG:H	1:525:A:PHE:H	10	0.33
(1,100)	1:495:A:ARG:H	1:525:A:PHE:H	13	0.33
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD21	2	0.33
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD22	2	0.33
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD23	2	0.33
(1,69)	1:488:A:LEU:HG	1:489:A:TYR:H	15	0.33
(1,67)	1:488:A:LEU:HB2	1:489:A:TYR:H	3	0.33
(1,67)	1:488:A:LEU:HB2	1:489:A:TYR:H	9	0.33
(1,67)	1:488:A:LEU:HB2	1:489:A:TYR:H	10	0.33
(1,49)	1:563:A:ALA:HB1	1:564:A:GLN:H	18	0.33
(1,49)	1:563:A:ALA:HB2	1:564:A:GLN:H	18	0.33
(1,49)	1:563:A:ALA:HB3	1:564:A:GLN:H	18	0.33
(1,43)	1:551:A:LEU:H	1:552:A:ASN:HB2	7	0.33
(1,6)	1:489:A:TYR:HA	1:560:A:LEU:H	20	0.33
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG2	4	0.32
(1,1163)	1:564:A:GLN:H	1:564:A:GLN:HG3	4	0.32
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD2	18	0.32
(1,1101)	1:535:A:LYS:HB2	1:535:A:LYS:HD3	18	0.32
(1,1075)	1:521:A:ASN:HB2	1:522:A:ILE:H	2	0.32
(1,1075)	1:521:A:ASN:HB3	1:522:A:ILE:H	2	0.32
(1,1075)	1:521:A:ASN:HB2	1:522:A:ILE:H	13	0.32
(1,1075)	1:521:A:ASN:HB3	1:522:A:ILE:H	13	0.32
(1,981)	1:491:A:ILE:HG12	1:493:A:VAL:HG11	14	0.32
(1,981)	1:491:A:ILE:HG12	1:493:A:VAL:HG12	14	0.32
(1,981)	1:491:A:ILE:HG12	1:493:A:VAL:HG13	14	0.32
(1,981)	1:491:A:ILE:HG12	1:493:A:VAL:HG21	14	0.32
(1,981)	1:491:A:ILE:HG12	1:493:A:VAL:HG22	14	0.32
(1,981)	1:491:A:ILE:HG12	1:493:A:VAL:HG23	14	0.32
(1,965)	1:488:A:LEU:HB2	1:489:A:TYR:H	1	0.32
(1,965)	1:488:A:LEU:HB3	1:489:A:TYR:H	1	0.32
(1,965)	1:488:A:LEU:HB2	1:489:A:TYR:H	8	0.32
(1,965)	1:488:A:LEU:HB3	1:489:A:TYR:H	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,965)	1:488:A:LEU:HB2	1:489:A:TYR:H	9	0.32
(1,965)	1:488:A:LEU:HB3	1:489:A:TYR:H	9	0.32
(1,965)	1:488:A:LEU:HB2	1:489:A:TYR:H	10	0.32
(1,965)	1:488:A:LEU:HB3	1:489:A:TYR:H	10	0.32
(1,871)	1:500:A:GLU:HB3	1:501:A:VAL:HB	2	0.32
(1,871)	1:500:A:GLU:HB3	1:501:A:VAL:HB	7	0.32
(1,871)	1:500:A:GLU:HB3	1:501:A:VAL:HB	8	0.32
(1,871)	1:500:A:GLU:HB3	1:501:A:VAL:HB	9	0.32
(1,871)	1:500:A:GLU:HB3	1:501:A:VAL:HB	11	0.32
(1,871)	1:500:A:GLU:HB3	1:501:A:VAL:HB	15	0.32
(1,871)	1:500:A:GLU:HB3	1:501:A:VAL:HB	18	0.32
(1,871)	1:500:A:GLU:HB3	1:501:A:VAL:HB	19	0.32
(1,816)	1:497:A:ASP:HA	1:527:A:SER:HA	12	0.32
(1,772)	1:496:A:ASP:HB3	1:527:A:SER:HA	5	0.32
(1,732)	1:550:A:ILE:HG21	1:551:A:LEU:HB2	7	0.32
(1,732)	1:550:A:ILE:HG22	1:551:A:LEU:HB2	7	0.32
(1,732)	1:550:A:ILE:HG23	1:551:A:LEU:HB2	7	0.32
(1,732)	1:550:A:ILE:HG21	1:551:A:LEU:HB2	11	0.32
(1,732)	1:550:A:ILE:HG22	1:551:A:LEU:HB2	11	0.32
(1,732)	1:550:A:ILE:HG23	1:551:A:LEU:HB2	11	0.32
(1,732)	1:550:A:ILE:HG21	1:551:A:LEU:HB2	16	0.32
(1,732)	1:550:A:ILE:HG22	1:551:A:LEU:HB2	16	0.32
(1,732)	1:550:A:ILE:HG23	1:551:A:LEU:HB2	16	0.32
(1,732)	1:550:A:ILE:HG21	1:551:A:LEU:HB2	17	0.32
(1,732)	1:550:A:ILE:HG22	1:551:A:LEU:HB2	17	0.32
(1,732)	1:550:A:ILE:HG23	1:551:A:LEU:HB2	17	0.32
(1,713)	1:491:A:ILE:HG21	1:555:A:MET:HB3	17	0.32
(1,713)	1:491:A:ILE:HG22	1:555:A:MET:HB3	17	0.32
(1,713)	1:491:A:ILE:HG23	1:555:A:MET:HB3	17	0.32
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD11	1	0.32
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD12	1	0.32
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD13	1	0.32
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD11	11	0.32
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD12	11	0.32
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD13	11	0.32
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD11	14	0.32
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD12	14	0.32
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD13	14	0.32
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD11	15	0.32
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD12	15	0.32
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD13	15	0.32
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD11	16	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD12	16	0.32
(1,701)	1:491:A:ILE:HA	1:491:A:ILE:HD13	16	0.32
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG21	18	0.32
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG22	18	0.32
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG23	18	0.32
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG21	7	0.32
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG22	7	0.32
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG23	7	0.32
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG21	17	0.32
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG22	17	0.32
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG23	17	0.32
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	2	0.32
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	2	0.32
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	2	0.32
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	2	0.32
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	2	0.32
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	2	0.32
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	2	0.32
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	2	0.32
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	2	0.32
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	6	0.32
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	6	0.32
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	6	0.32
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	6	0.32
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	6	0.32
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	6	0.32
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	6	0.32
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	6	0.32
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	6	0.32
(1,525)	1:536:A:GLY:HA2	1:538:A:PRO:HD2	12	0.32
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD11	4	0.32
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD12	4	0.32
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD13	4	0.32
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD11	4	0.32
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD12	4	0.32
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD13	4	0.32
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD11	4	0.32
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD12	4	0.32
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD13	4	0.32
(1,514)	1:508:A:ILE:HG21	1:519:A:ILE:HG12	14	0.32
(1,514)	1:508:A:ILE:HG22	1:519:A:ILE:HG12	14	0.32
(1,514)	1:508:A:ILE:HG23	1:519:A:ILE:HG12	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,493)	1:535:A:LYS:H	1:535:A:LYS:HG3	7	0.32
(1,449)	1:483:A:VAL:HG11	1:536:A:GLY:H	4	0.32
(1,449)	1:483:A:VAL:HG12	1:536:A:GLY:H	4	0.32
(1,449)	1:483:A:VAL:HG13	1:536:A:GLY:H	4	0.32
(1,303)	1:491:A:ILE:H	1:528:A:HIS:HB3	10	0.32
(1,284)	1:514:A:ILE:HG13	1:515:A:SER:H	16	0.32
(1,271)	1:513:A:ASP:HB2	1:514:A:ILE:H	1	0.32
(1,271)	1:513:A:ASP:HB2	1:514:A:ILE:H	2	0.32
(1,271)	1:513:A:ASP:HB2	1:514:A:ILE:H	6	0.32
(1,221)	1:521:A:ASN:H	1:532:A:GLU:HA	9	0.32
(1,221)	1:521:A:ASN:H	1:532:A:GLU:HA	13	0.32
(1,215)	1:515:A:SER:H	1:517:A:ARG:H	15	0.32
(1,209)	1:549:A:ARG:HB2	1:550:A:ILE:H	20	0.32
(1,186)	1:489:A:TYR:HB2	1:490:A:ARG:H	4	0.32
(1,182)	1:561:A:GLY:HA2	1:562:A:ASP:H	7	0.32
(1,169)	1:483:A:VAL:HG11	1:537:A:MET:H	2	0.32
(1,169)	1:483:A:VAL:HG12	1:537:A:MET:H	2	0.32
(1,169)	1:483:A:VAL:HG13	1:537:A:MET:H	2	0.32
(1,169)	1:483:A:VAL:HG11	1:537:A:MET:H	8	0.32
(1,169)	1:483:A:VAL:HG12	1:537:A:MET:H	8	0.32
(1,169)	1:483:A:VAL:HG13	1:537:A:MET:H	8	0.32
(1,100)	1:495:A:ARG:H	1:525:A:PHE:H	20	0.32
(1,71)	1:488:A:LEU:HD11	1:489:A:TYR:H	5	0.32
(1,71)	1:488:A:LEU:HD12	1:489:A:TYR:H	5	0.32
(1,71)	1:488:A:LEU:HD13	1:489:A:TYR:H	5	0.32
(1,71)	1:488:A:LEU:HD11	1:489:A:TYR:H	8	0.32
(1,71)	1:488:A:LEU:HD12	1:489:A:TYR:H	8	0.32
(1,71)	1:488:A:LEU:HD13	1:489:A:TYR:H	8	0.32
(1,69)	1:488:A:LEU:HG	1:489:A:TYR:H	20	0.32
(1,67)	1:488:A:LEU:HB2	1:489:A:TYR:H	8	0.32
(1,67)	1:488:A:LEU:HB2	1:489:A:TYR:H	14	0.32
(1,67)	1:488:A:LEU:HB2	1:489:A:TYR:H	19	0.32
(1,49)	1:563:A:ALA:HB1	1:564:A:GLN:H	13	0.32
(1,49)	1:563:A:ALA:HB2	1:564:A:GLN:H	13	0.32
(1,49)	1:563:A:ALA:HB3	1:564:A:GLN:H	13	0.32
(1,49)	1:563:A:ALA:HB1	1:564:A:GLN:H	19	0.32
(1,49)	1:563:A:ALA:HB2	1:564:A:GLN:H	19	0.32
(1,49)	1:563:A:ALA:HB3	1:564:A:GLN:H	19	0.32
(1,43)	1:551:A:LEU:H	1:552:A:ASN:HB2	19	0.32
(1,1079)	1:523:A:LYS:HE2	1:524:A:LEU:H	11	0.31
(1,1079)	1:523:A:LYS:HE3	1:524:A:LEU:H	11	0.31
(1,1075)	1:521:A:ASN:HB2	1:522:A:ILE:H	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1075)	1:521:A:ASN:HB3	1:522:A:ILE:H	18	0.31
(1,965)	1:488:A:LEU:HB2	1:489:A:TYR:H	2	0.31
(1,965)	1:488:A:LEU:HB3	1:489:A:TYR:H	2	0.31
(1,965)	1:488:A:LEU:HB2	1:489:A:TYR:H	3	0.31
(1,965)	1:488:A:LEU:HB3	1:489:A:TYR:H	3	0.31
(1,965)	1:488:A:LEU:HB2	1:489:A:TYR:H	4	0.31
(1,965)	1:488:A:LEU:HB3	1:489:A:TYR:H	4	0.31
(1,965)	1:488:A:LEU:HB2	1:489:A:TYR:H	6	0.31
(1,965)	1:488:A:LEU:HB3	1:489:A:TYR:H	6	0.31
(1,965)	1:488:A:LEU:HB2	1:489:A:TYR:H	11	0.31
(1,965)	1:488:A:LEU:HB3	1:489:A:TYR:H	11	0.31
(1,965)	1:488:A:LEU:HB2	1:489:A:TYR:H	14	0.31
(1,965)	1:488:A:LEU:HB3	1:489:A:TYR:H	14	0.31
(1,965)	1:488:A:LEU:HB2	1:489:A:TYR:H	16	0.31
(1,965)	1:488:A:LEU:HB3	1:489:A:TYR:H	16	0.31
(1,965)	1:488:A:LEU:HB2	1:489:A:TYR:H	19	0.31
(1,965)	1:488:A:LEU:HB3	1:489:A:TYR:H	19	0.31
(1,965)	1:488:A:LEU:HB2	1:489:A:TYR:H	20	0.31
(1,965)	1:488:A:LEU:HB3	1:489:A:TYR:H	20	0.31
(1,871)	1:500:A:GLU:HB3	1:501:A:VAL:HB	10	0.31
(1,871)	1:500:A:GLU:HB3	1:501:A:VAL:HB	12	0.31
(1,864)	1:552:A:ASN:HA	1:553:A:LYS:HA	9	0.31
(1,816)	1:497:A:ASP:HA	1:527:A:SER:HA	3	0.31
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD11	5	0.31
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD12	5	0.31
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD13	5	0.31
(1,772)	1:496:A:ASP:HB3	1:527:A:SER:HA	6	0.31
(1,732)	1:550:A:ILE:HG21	1:551:A:LEU:HB2	1	0.31
(1,732)	1:550:A:ILE:HG22	1:551:A:LEU:HB2	1	0.31
(1,732)	1:550:A:ILE:HG23	1:551:A:LEU:HB2	1	0.31
(1,732)	1:550:A:ILE:HG21	1:551:A:LEU:HB2	2	0.31
(1,732)	1:550:A:ILE:HG22	1:551:A:LEU:HB2	2	0.31
(1,732)	1:550:A:ILE:HG23	1:551:A:LEU:HB2	2	0.31
(1,732)	1:550:A:ILE:HG21	1:551:A:LEU:HB2	4	0.31
(1,732)	1:550:A:ILE:HG22	1:551:A:LEU:HB2	4	0.31
(1,732)	1:550:A:ILE:HG23	1:551:A:LEU:HB2	4	0.31
(1,732)	1:550:A:ILE:HG21	1:551:A:LEU:HB2	6	0.31
(1,732)	1:550:A:ILE:HG22	1:551:A:LEU:HB2	6	0.31
(1,732)	1:550:A:ILE:HG23	1:551:A:LEU:HB2	6	0.31
(1,732)	1:550:A:ILE:HG21	1:551:A:LEU:HB2	10	0.31
(1,732)	1:550:A:ILE:HG22	1:551:A:LEU:HB2	10	0.31
(1,732)	1:550:A:ILE:HG23	1:551:A:LEU:HB2	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,732)	1:550:A:ILE:HG21	1:551:A:LEU:HB2	12	0.31
(1,732)	1:550:A:ILE:HG22	1:551:A:LEU:HB2	12	0.31
(1,732)	1:550:A:ILE:HG23	1:551:A:LEU:HB2	12	0.31
(1,732)	1:550:A:ILE:HG21	1:551:A:LEU:HB2	14	0.31
(1,732)	1:550:A:ILE:HG22	1:551:A:LEU:HB2	14	0.31
(1,732)	1:550:A:ILE:HG23	1:551:A:LEU:HB2	14	0.31
(1,732)	1:550:A:ILE:HG21	1:551:A:LEU:HB2	19	0.31
(1,732)	1:550:A:ILE:HG22	1:551:A:LEU:HB2	19	0.31
(1,732)	1:550:A:ILE:HG23	1:551:A:LEU:HB2	19	0.31
(1,732)	1:550:A:ILE:HG21	1:551:A:LEU:HB2	20	0.31
(1,732)	1:550:A:ILE:HG22	1:551:A:LEU:HB2	20	0.31
(1,732)	1:550:A:ILE:HG23	1:551:A:LEU:HB2	20	0.31
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG21	11	0.31
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG22	11	0.31
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG23	11	0.31
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG21	15	0.31
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG22	15	0.31
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG23	15	0.31
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG21	19	0.31
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG22	19	0.31
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG23	19	0.31
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG21	4	0.31
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG22	4	0.31
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG23	4	0.31
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG21	20	0.31
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG22	20	0.31
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG23	20	0.31
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG21	4	0.31
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG22	4	0.31
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG23	4	0.31
(1,621)	1:538:A:PRO:HA	1:539:A:GLY:HA2	17	0.31
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	1	0.31
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	1	0.31
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	1	0.31
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	1	0.31
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	1	0.31
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	1	0.31
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	1	0.31
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	1	0.31
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	1	0.31
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	3	0.31
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	3	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	3	0.31
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	3	0.31
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	3	0.31
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	3	0.31
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	3	0.31
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	3	0.31
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	3	0.31
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	4	0.31
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	4	0.31
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	4	0.31
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	4	0.31
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	4	0.31
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	4	0.31
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	4	0.31
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	4	0.31
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	4	0.31
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	7	0.31
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	7	0.31
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	7	0.31
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	7	0.31
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	7	0.31
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	7	0.31
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	7	0.31
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	7	0.31
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	7	0.31
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	8	0.31
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	8	0.31
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	8	0.31
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	8	0.31
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	8	0.31
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	8	0.31
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	8	0.31
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	8	0.31
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	8	0.31
(1,564)	1:490:A:ARG:HB2	1:491:A:ILE:HG13	4	0.31
(1,564)	1:490:A:ARG:HB2	1:491:A:ILE:HG13	7	0.31
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD11	5	0.31
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD12	5	0.31
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD13	5	0.31
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD11	5	0.31
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD12	5	0.31
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD13	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD11	5	0.31
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD12	5	0.31
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD13	5	0.31
(1,494)	1:523:A:LYS:H	1:523:A:LYS:HE2	11	0.31
(1,494)	1:523:A:LYS:H	1:523:A:LYS:HE3	11	0.31
(1,468)	1:561:A:GLY:H	1:562:A:ASP:H	14	0.31
(1,449)	1:483:A:VAL:HG11	1:536:A:GLY:H	7	0.31
(1,449)	1:483:A:VAL:HG12	1:536:A:GLY:H	7	0.31
(1,449)	1:483:A:VAL:HG13	1:536:A:GLY:H	7	0.31
(1,449)	1:483:A:VAL:HG11	1:536:A:GLY:H	13	0.31
(1,449)	1:483:A:VAL:HG12	1:536:A:GLY:H	13	0.31
(1,449)	1:483:A:VAL:HG13	1:536:A:GLY:H	13	0.31
(1,284)	1:514:A:ILE:HG13	1:515:A:SER:H	9	0.31
(1,221)	1:521:A:ASN:H	1:532:A:GLU:HA	1	0.31
(1,221)	1:521:A:ASN:H	1:532:A:GLU:HA	7	0.31
(1,186)	1:489:A:TYR:HB2	1:490:A:ARG:H	3	0.31
(1,186)	1:489:A:TYR:HB2	1:490:A:ARG:H	5	0.31
(1,182)	1:561:A:GLY:HA2	1:562:A:ASP:H	4	0.31
(1,182)	1:561:A:GLY:HA2	1:562:A:ASP:H	6	0.31
(1,182)	1:561:A:GLY:HA2	1:562:A:ASP:H	15	0.31
(1,182)	1:561:A:GLY:HA2	1:562:A:ASP:H	16	0.31
(1,182)	1:561:A:GLY:HA2	1:562:A:ASP:H	20	0.31
(1,100)	1:495:A:ARG:H	1:525:A:PHE:H	12	0.31
(1,100)	1:495:A:ARG:H	1:525:A:PHE:H	15	0.31
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD21	18	0.31
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD22	18	0.31
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD23	18	0.31
(1,67)	1:488:A:LEU:HB2	1:489:A:TYR:H	11	0.31
(1,67)	1:488:A:LEU:HB2	1:489:A:TYR:H	16	0.31
(1,1152)	1:558:A:GLN:HG2	1:559:A:LEU:H	4	0.3
(1,1152)	1:558:A:GLN:HG3	1:559:A:LEU:H	4	0.3
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG2	13	0.3
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG3	13	0.3
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG2	19	0.3
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG3	19	0.3
(1,1075)	1:521:A:ASN:HB2	1:522:A:ILE:H	5	0.3
(1,1075)	1:521:A:ASN:HB3	1:522:A:ILE:H	5	0.3
(1,1075)	1:521:A:ASN:HB2	1:522:A:ILE:H	7	0.3
(1,1075)	1:521:A:ASN:HB3	1:522:A:ILE:H	7	0.3
(1,1075)	1:521:A:ASN:HB2	1:522:A:ILE:H	9	0.3
(1,1075)	1:521:A:ASN:HB3	1:522:A:ILE:H	9	0.3
(1,1075)	1:521:A:ASN:HB2	1:522:A:ILE:H	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1075)	1:521:A:ASN:HB3	1:522:A:ILE:H	10	0.3
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	3	0.3
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	3	0.3
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	3	0.3
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	3	0.3
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	3	0.3
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	3	0.3
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	3	0.3
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	3	0.3
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	3	0.3
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD11	3	0.3
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD12	3	0.3
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD13	3	0.3
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD11	3	0.3
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD12	3	0.3
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD13	3	0.3
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD11	3	0.3
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD12	3	0.3
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD13	3	0.3
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	6	0.3
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	6	0.3
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	6	0.3
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	6	0.3
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	6	0.3
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	6	0.3
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	6	0.3
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	6	0.3
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	6	0.3
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD11	6	0.3
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD12	6	0.3
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD13	6	0.3
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD11	6	0.3
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD12	6	0.3
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD13	6	0.3
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD11	6	0.3
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD12	6	0.3
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD13	6	0.3
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	9	0.3
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	9	0.3
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	9	0.3
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	9	0.3
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	9	0.3
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	9	0.3
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	9	0.3
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	9	0.3
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD11	9	0.3
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD12	9	0.3
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD13	9	0.3
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD11	9	0.3
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD12	9	0.3
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD13	9	0.3
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD11	9	0.3
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD12	9	0.3
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD13	9	0.3
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	12	0.3
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	12	0.3
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	12	0.3
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	12	0.3
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	12	0.3
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	12	0.3
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	12	0.3
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	12	0.3
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	12	0.3
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD11	12	0.3
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD12	12	0.3
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD13	12	0.3
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD11	12	0.3
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD12	12	0.3
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD13	12	0.3
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD11	12	0.3
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD12	12	0.3
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD13	12	0.3
(1,965)	1:488:A:LEU:HB2	1:489:A:TYR:H	5	0.3
(1,965)	1:488:A:LEU:HB3	1:489:A:TYR:H	5	0.3
(1,965)	1:488:A:LEU:HB2	1:489:A:TYR:H	12	0.3
(1,965)	1:488:A:LEU:HB3	1:489:A:TYR:H	12	0.3
(1,965)	1:488:A:LEU:HB2	1:489:A:TYR:H	13	0.3
(1,965)	1:488:A:LEU:HB3	1:489:A:TYR:H	13	0.3
(1,965)	1:488:A:LEU:HB2	1:489:A:TYR:H	17	0.3
(1,965)	1:488:A:LEU:HB3	1:489:A:TYR:H	17	0.3
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG2	14	0.3
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG2	14	0.3
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG3	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG3	14	0.3
(1,871)	1:500:A:GLU:HB3	1:501:A:VAL:HB	4	0.3
(1,871)	1:500:A:GLU:HB3	1:501:A:VAL:HB	6	0.3
(1,871)	1:500:A:GLU:HB3	1:501:A:VAL:HB	20	0.3
(1,864)	1:552:A:ASN:HA	1:553:A:LYS:HA	1	0.3
(1,864)	1:552:A:ASN:HA	1:553:A:LYS:HA	2	0.3
(1,864)	1:552:A:ASN:HA	1:553:A:LYS:HA	3	0.3
(1,864)	1:552:A:ASN:HA	1:553:A:LYS:HA	4	0.3
(1,864)	1:552:A:ASN:HA	1:553:A:LYS:HA	5	0.3
(1,864)	1:552:A:ASN:HA	1:553:A:LYS:HA	6	0.3
(1,864)	1:552:A:ASN:HA	1:553:A:LYS:HA	7	0.3
(1,864)	1:552:A:ASN:HA	1:553:A:LYS:HA	8	0.3
(1,864)	1:552:A:ASN:HA	1:553:A:LYS:HA	10	0.3
(1,864)	1:552:A:ASN:HA	1:553:A:LYS:HA	12	0.3
(1,864)	1:552:A:ASN:HA	1:553:A:LYS:HA	13	0.3
(1,864)	1:552:A:ASN:HA	1:553:A:LYS:HA	14	0.3
(1,864)	1:552:A:ASN:HA	1:553:A:LYS:HA	15	0.3
(1,864)	1:552:A:ASN:HA	1:553:A:LYS:HA	17	0.3
(1,864)	1:552:A:ASN:HA	1:553:A:LYS:HA	18	0.3
(1,864)	1:552:A:ASN:HA	1:553:A:LYS:HA	19	0.3
(1,864)	1:552:A:ASN:HA	1:553:A:LYS:HA	20	0.3
(1,816)	1:497:A:ASP:HA	1:527:A:SER:HA	4	0.3
(1,816)	1:497:A:ASP:HA	1:527:A:SER:HA	8	0.3
(1,772)	1:496:A:ASP:HB3	1:527:A:SER:HA	2	0.3
(1,772)	1:496:A:ASP:HB3	1:527:A:SER:HA	8	0.3
(1,732)	1:550:A:ILE:HG21	1:551:A:LEU:HB2	3	0.3
(1,732)	1:550:A:ILE:HG22	1:551:A:LEU:HB2	3	0.3
(1,732)	1:550:A:ILE:HG23	1:551:A:LEU:HB2	3	0.3
(1,732)	1:550:A:ILE:HG21	1:551:A:LEU:HB2	8	0.3
(1,732)	1:550:A:ILE:HG22	1:551:A:LEU:HB2	8	0.3
(1,732)	1:550:A:ILE:HG23	1:551:A:LEU:HB2	8	0.3
(1,732)	1:550:A:ILE:HG21	1:551:A:LEU:HB2	9	0.3
(1,732)	1:550:A:ILE:HG22	1:551:A:LEU:HB2	9	0.3
(1,732)	1:550:A:ILE:HG23	1:551:A:LEU:HB2	9	0.3
(1,732)	1:550:A:ILE:HG21	1:551:A:LEU:HB2	15	0.3
(1,732)	1:550:A:ILE:HG22	1:551:A:LEU:HB2	15	0.3
(1,732)	1:550:A:ILE:HG23	1:551:A:LEU:HB2	15	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG21	2	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG22	2	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG23	2	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG21	3	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG22	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG23	3	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG21	4	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG22	4	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG23	4	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG21	5	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG22	5	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG23	5	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG21	6	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG22	6	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG23	6	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG21	7	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG22	7	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG23	7	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG21	9	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG22	9	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG23	9	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG21	12	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG22	12	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG23	12	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG21	13	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG22	13	0.3
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG23	13	0.3
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG21	10	0.3
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG22	10	0.3
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG23	10	0.3
(1,666)	1:501:A:VAL:HG11	1:522:A:ILE:HG12	4	0.3
(1,666)	1:501:A:VAL:HG12	1:522:A:ILE:HG12	4	0.3
(1,666)	1:501:A:VAL:HG13	1:522:A:ILE:HG12	4	0.3
(1,666)	1:501:A:VAL:HG11	1:522:A:ILE:HG12	12	0.3
(1,666)	1:501:A:VAL:HG12	1:522:A:ILE:HG12	12	0.3
(1,666)	1:501:A:VAL:HG13	1:522:A:ILE:HG12	12	0.3
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG21	2	0.3
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG22	2	0.3
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG23	2	0.3
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG21	10	0.3
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG22	10	0.3
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG23	10	0.3
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	13	0.3
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	13	0.3
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	13	0.3
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	13	0.3
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	13	0.3
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	13	0.3
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	13	0.3
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	13	0.3
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	15	0.3
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	15	0.3
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	15	0.3
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	15	0.3
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	15	0.3
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	15	0.3
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	15	0.3
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	15	0.3
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	15	0.3
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	17	0.3
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	17	0.3
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	17	0.3
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	17	0.3
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	17	0.3
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	17	0.3
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	17	0.3
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	17	0.3
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	17	0.3
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	19	0.3
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	19	0.3
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	19	0.3
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	19	0.3
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	19	0.3
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	19	0.3
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	19	0.3
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	19	0.3
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	19	0.3
(1,564)	1:490:A:ARG:HB2	1:491:A:ILE:HG13	11	0.3
(1,478)	1:560:A:LEU:HD11	1:561:A:GLY:H	3	0.3
(1,478)	1:560:A:LEU:HD12	1:561:A:GLY:H	3	0.3
(1,478)	1:560:A:LEU:HD13	1:561:A:GLY:H	3	0.3
(1,476)	1:526:A:ALA:HB1	1:527:A:SER:H	2	0.3
(1,476)	1:526:A:ALA:HB2	1:527:A:SER:H	2	0.3
(1,476)	1:526:A:ALA:HB3	1:527:A:SER:H	2	0.3
(1,468)	1:561:A:GLY:H	1:562:A:ASP:H	13	0.3
(1,449)	1:483:A:VAL:HG11	1:536:A:GLY:H	19	0.3
(1,449)	1:483:A:VAL:HG12	1:536:A:GLY:H	19	0.3
(1,449)	1:483:A:VAL:HG13	1:536:A:GLY:H	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,287)	1:505:A:VAL:HG11	1:516:A:SER:H	2	0.3
(1,287)	1:505:A:VAL:HG12	1:516:A:SER:H	2	0.3
(1,287)	1:505:A:VAL:HG13	1:516:A:SER:H	2	0.3
(1,287)	1:505:A:VAL:HG11	1:516:A:SER:H	10	0.3
(1,287)	1:505:A:VAL:HG12	1:516:A:SER:H	10	0.3
(1,287)	1:505:A:VAL:HG13	1:516:A:SER:H	10	0.3
(1,287)	1:505:A:VAL:HG11	1:516:A:SER:H	11	0.3
(1,287)	1:505:A:VAL:HG12	1:516:A:SER:H	11	0.3
(1,287)	1:505:A:VAL:HG13	1:516:A:SER:H	11	0.3
(1,284)	1:514:A:ILE:HG13	1:515:A:SER:H	6	0.3
(1,284)	1:514:A:ILE:HG13	1:515:A:SER:H	17	0.3
(1,271)	1:513:A:ASP:HB2	1:514:A:ILE:H	14	0.3
(1,221)	1:521:A:ASN:H	1:532:A:GLU:HA	2	0.3
(1,221)	1:521:A:ASN:H	1:532:A:GLU:HA	10	0.3
(1,215)	1:515:A:SER:H	1:517:A:ARG:H	4	0.3
(1,215)	1:515:A:SER:H	1:517:A:ARG:H	14	0.3
(1,209)	1:549:A:ARG:HB2	1:550:A:ILE:H	1	0.3
(1,186)	1:489:A:TYR:HB2	1:490:A:ARG:H	9	0.3
(1,182)	1:561:A:GLY:HA2	1:562:A:ASP:H	12	0.3
(1,169)	1:483:A:VAL:HG11	1:537:A:MET:H	5	0.3
(1,169)	1:483:A:VAL:HG12	1:537:A:MET:H	5	0.3
(1,169)	1:483:A:VAL:HG13	1:537:A:MET:H	5	0.3
(1,169)	1:483:A:VAL:HG11	1:537:A:MET:H	17	0.3
(1,169)	1:483:A:VAL:HG12	1:537:A:MET:H	17	0.3
(1,169)	1:483:A:VAL:HG13	1:537:A:MET:H	17	0.3
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD21	17	0.3
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD22	17	0.3
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD23	17	0.3
(1,71)	1:488:A:LEU:HD11	1:489:A:TYR:H	10	0.3
(1,71)	1:488:A:LEU:HD12	1:489:A:TYR:H	10	0.3
(1,71)	1:488:A:LEU:HD13	1:489:A:TYR:H	10	0.3
(1,67)	1:488:A:LEU:HB2	1:489:A:TYR:H	1	0.3
(1,67)	1:488:A:LEU:HB2	1:489:A:TYR:H	6	0.3
(1,67)	1:488:A:LEU:HB2	1:489:A:TYR:H	15	0.3
(1,1161)	1:562:A:ASP:HB2	1:563:A:ALA:H	18	0.29
(1,1161)	1:562:A:ASP:HB3	1:563:A:ALA:H	18	0.29
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB2	14	0.29
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB3	14	0.29
(1,1075)	1:521:A:ASN:HB2	1:522:A:ILE:H	3	0.29
(1,1075)	1:521:A:ASN:HB3	1:522:A:ILE:H	3	0.29
(1,1075)	1:521:A:ASN:HB2	1:522:A:ILE:H	4	0.29
(1,1075)	1:521:A:ASN:HB3	1:522:A:ILE:H	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1051)	1:511:A:GLU:H	1:511:A:GLU:HG2	13	0.29
(1,1051)	1:511:A:GLU:H	1:511:A:GLU:HG3	13	0.29
(1,1036)	1:502:A:ARG:HG2	1:503:A:HIS:H	6	0.29
(1,1036)	1:502:A:ARG:HG3	1:503:A:HIS:H	6	0.29
(1,1036)	1:502:A:ARG:HG2	1:503:A:HIS:H	7	0.29
(1,1036)	1:502:A:ARG:HG3	1:503:A:HIS:H	7	0.29
(1,1036)	1:502:A:ARG:HG2	1:503:A:HIS:H	15	0.29
(1,1036)	1:502:A:ARG:HG3	1:503:A:HIS:H	15	0.29
(1,1036)	1:502:A:ARG:HG2	1:503:A:HIS:H	17	0.29
(1,1036)	1:502:A:ARG:HG3	1:503:A:HIS:H	17	0.29
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	1	0.29
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	1	0.29
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	1	0.29
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	1	0.29
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	1	0.29
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	1	0.29
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	1	0.29
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	1	0.29
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	1	0.29
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD11	1	0.29
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD12	1	0.29
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD13	1	0.29
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD11	1	0.29
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD12	1	0.29
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD13	1	0.29
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD11	1	0.29
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD12	1	0.29
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD13	1	0.29
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	2	0.29
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	2	0.29
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	2	0.29
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	2	0.29
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	2	0.29
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	2	0.29
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	2	0.29
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	2	0.29
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	2	0.29
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD11	2	0.29
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD12	2	0.29
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD13	2	0.29
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD11	2	0.29
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD12	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD13	2	0.29
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD11	2	0.29
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD12	2	0.29
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD13	2	0.29
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	4	0.29
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	4	0.29
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	4	0.29
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	4	0.29
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	4	0.29
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	4	0.29
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	4	0.29
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	4	0.29
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	4	0.29
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD11	4	0.29
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD12	4	0.29
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD13	4	0.29
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD11	4	0.29
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD12	4	0.29
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD13	4	0.29
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD11	4	0.29
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD12	4	0.29
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD13	4	0.29
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	8	0.29
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	8	0.29
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	8	0.29
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	8	0.29
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	8	0.29
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	8	0.29
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	8	0.29
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	8	0.29
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	8	0.29
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD11	8	0.29
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD12	8	0.29
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD13	8	0.29
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD11	8	0.29
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD12	8	0.29
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD13	8	0.29
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD11	8	0.29
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD12	8	0.29
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD13	8	0.29
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	15	0.29
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	15	0.29
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	15	0.29
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	15	0.29
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	15	0.29
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	15	0.29
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	15	0.29
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	15	0.29
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD11	15	0.29
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD12	15	0.29
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD13	15	0.29
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD11	15	0.29
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD12	15	0.29
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD13	15	0.29
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD11	15	0.29
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD12	15	0.29
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD13	15	0.29
(1,965)	1:488:A:LEU:HB2	1:489:A:TYR:H	7	0.29
(1,965)	1:488:A:LEU:HB3	1:489:A:TYR:H	7	0.29
(1,946)	1:486:A:MET:HB2	1:563:A:ALA:HB1	11	0.29
(1,946)	1:486:A:MET:HB2	1:563:A:ALA:HB2	11	0.29
(1,946)	1:486:A:MET:HB2	1:563:A:ALA:HB3	11	0.29
(1,946)	1:486:A:MET:HB3	1:563:A:ALA:HB1	11	0.29
(1,946)	1:486:A:MET:HB3	1:563:A:ALA:HB2	11	0.29
(1,946)	1:486:A:MET:HB3	1:563:A:ALA:HB3	11	0.29
(1,871)	1:500:A:GLU:HB3	1:501:A:VAL:HB	14	0.29
(1,864)	1:552:A:ASN:HA	1:553:A:LYS:HA	11	0.29
(1,864)	1:552:A:ASN:HA	1:553:A:LYS:HA	16	0.29
(1,814)	1:550:A:ILE:HG21	1:555:A:MET:HB3	5	0.29
(1,814)	1:550:A:ILE:HG22	1:555:A:MET:HB3	5	0.29
(1,814)	1:550:A:ILE:HG23	1:555:A:MET:HB3	5	0.29
(1,814)	1:550:A:ILE:HG21	1:555:A:MET:HB3	9	0.29
(1,814)	1:550:A:ILE:HG22	1:555:A:MET:HB3	9	0.29
(1,814)	1:550:A:ILE:HG23	1:555:A:MET:HB3	9	0.29
(1,772)	1:496:A:ASP:HB3	1:527:A:SER:HA	7	0.29
(1,772)	1:496:A:ASP:HB3	1:527:A:SER:HA	12	0.29
(1,772)	1:496:A:ASP:HB3	1:527:A:SER:HA	19	0.29
(1,732)	1:550:A:ILE:HG21	1:551:A:LEU:HB2	5	0.29
(1,732)	1:550:A:ILE:HG22	1:551:A:LEU:HB2	5	0.29
(1,732)	1:550:A:ILE:HG23	1:551:A:LEU:HB2	5	0.29
(1,732)	1:550:A:ILE:HG21	1:551:A:LEU:HB2	18	0.29
(1,732)	1:550:A:ILE:HG22	1:551:A:LEU:HB2	18	0.29
(1,732)	1:550:A:ILE:HG23	1:551:A:LEU:HB2	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,713)	1:491:A:ILE:HG21	1:555:A:MET:HB3	11	0.29
(1,713)	1:491:A:ILE:HG22	1:555:A:MET:HB3	11	0.29
(1,713)	1:491:A:ILE:HG23	1:555:A:MET:HB3	11	0.29
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG21	1	0.29
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG22	1	0.29
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG23	1	0.29
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG21	8	0.29
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG22	8	0.29
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG23	8	0.29
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG21	10	0.29
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG22	10	0.29
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG23	10	0.29
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG21	14	0.29
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG22	14	0.29
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG23	14	0.29
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG21	16	0.29
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG22	16	0.29
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG23	16	0.29
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG21	20	0.29
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG22	20	0.29
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG23	20	0.29
(1,666)	1:501:A:VAL:HG11	1:522:A:ILE:HG12	15	0.29
(1,666)	1:501:A:VAL:HG12	1:522:A:ILE:HG12	15	0.29
(1,666)	1:501:A:VAL:HG13	1:522:A:ILE:HG12	15	0.29
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG21	3	0.29
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG22	3	0.29
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG23	3	0.29
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	11	0.29
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	11	0.29
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	11	0.29
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	11	0.29
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	11	0.29
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	11	0.29
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	11	0.29
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	11	0.29
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	11	0.29
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	12	0.29
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	12	0.29
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	12	0.29
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	12	0.29
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	12	0.29
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	12	0.29
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	12	0.29
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	12	0.29
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	20	0.29
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	20	0.29
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	20	0.29
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	20	0.29
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	20	0.29
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	20	0.29
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	20	0.29
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	20	0.29
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	20	0.29
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD11	1	0.29
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD12	1	0.29
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD13	1	0.29
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD11	1	0.29
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD12	1	0.29
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD13	1	0.29
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD11	1	0.29
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD12	1	0.29
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD13	1	0.29
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD11	6	0.29
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD12	6	0.29
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD13	6	0.29
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD11	6	0.29
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD12	6	0.29
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD13	6	0.29
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD11	6	0.29
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD12	6	0.29
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD13	6	0.29
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD11	10	0.29
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD12	10	0.29
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD13	10	0.29
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD11	10	0.29
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD12	10	0.29
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD13	10	0.29
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD11	10	0.29
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD12	10	0.29
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD13	10	0.29
(1,514)	1:508:A:ILE:HG21	1:519:A:ILE:HG12	7	0.29
(1,514)	1:508:A:ILE:HG22	1:519:A:ILE:HG12	7	0.29
(1,514)	1:508:A:ILE:HG23	1:519:A:ILE:HG12	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,478)	1:560:A:LEU:HD11	1:561:A:GLY:H	13	0.29
(1,478)	1:560:A:LEU:HD12	1:561:A:GLY:H	13	0.29
(1,478)	1:560:A:LEU:HD13	1:561:A:GLY:H	13	0.29
(1,478)	1:560:A:LEU:HD11	1:561:A:GLY:H	14	0.29
(1,478)	1:560:A:LEU:HD12	1:561:A:GLY:H	14	0.29
(1,478)	1:560:A:LEU:HD13	1:561:A:GLY:H	14	0.29
(1,478)	1:560:A:LEU:HD11	1:561:A:GLY:H	17	0.29
(1,478)	1:560:A:LEU:HD12	1:561:A:GLY:H	17	0.29
(1,478)	1:560:A:LEU:HD13	1:561:A:GLY:H	17	0.29
(1,449)	1:483:A:VAL:HG11	1:536:A:GLY:H	18	0.29
(1,449)	1:483:A:VAL:HG12	1:536:A:GLY:H	18	0.29
(1,449)	1:483:A:VAL:HG13	1:536:A:GLY:H	18	0.29
(1,402)	1:491:A:ILE:HG21	1:556:A:ASN:H	18	0.29
(1,402)	1:491:A:ILE:HG22	1:556:A:ASN:H	18	0.29
(1,402)	1:491:A:ILE:HG23	1:556:A:ASN:H	18	0.29
(1,284)	1:514:A:ILE:HG13	1:515:A:SER:H	3	0.29
(1,284)	1:514:A:ILE:HG13	1:515:A:SER:H	19	0.29
(1,233)	1:521:A:ASN:H	1:532:A:GLU:HB2	13	0.29
(1,215)	1:515:A:SER:H	1:517:A:ARG:H	8	0.29
(1,186)	1:489:A:TYR:HB2	1:490:A:ARG:H	18	0.29
(1,186)	1:489:A:TYR:HB2	1:490:A:ARG:H	19	0.29
(1,182)	1:561:A:GLY:HA2	1:562:A:ASP:H	2	0.29
(1,182)	1:561:A:GLY:HA2	1:562:A:ASP:H	17	0.29
(1,169)	1:483:A:VAL:HG11	1:537:A:MET:H	10	0.29
(1,169)	1:483:A:VAL:HG12	1:537:A:MET:H	10	0.29
(1,169)	1:483:A:VAL:HG13	1:537:A:MET:H	10	0.29
(1,148)	1:523:A:LYS:HG3	1:524:A:LEU:H	8	0.29
(1,100)	1:495:A:ARG:H	1:525:A:PHE:H	17	0.29
(1,67)	1:488:A:LEU:HB2	1:489:A:TYR:H	12	0.29
(1,67)	1:488:A:LEU:HB2	1:489:A:TYR:H	13	0.29
(1,49)	1:563:A:ALA:HB1	1:564:A:GLN:H	5	0.29
(1,49)	1:563:A:ALA:HB2	1:564:A:GLN:H	5	0.29
(1,49)	1:563:A:ALA:HB3	1:564:A:GLN:H	5	0.29
(1,49)	1:563:A:ALA:HB1	1:564:A:GLN:H	9	0.29
(1,49)	1:563:A:ALA:HB2	1:564:A:GLN:H	9	0.29
(1,49)	1:563:A:ALA:HB3	1:564:A:GLN:H	9	0.29
(1,49)	1:563:A:ALA:HB1	1:564:A:GLN:H	10	0.29
(1,49)	1:563:A:ALA:HB2	1:564:A:GLN:H	10	0.29
(1,49)	1:563:A:ALA:HB3	1:564:A:GLN:H	10	0.29
(1,43)	1:551:A:LEU:H	1:552:A:ASN:HB2	11	0.29
(1,17)	1:491:A:ILE:HG21	1:492:A:GLU:H	13	0.29
(1,17)	1:491:A:ILE:HG22	1:492:A:GLU:H	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:491:A:ILE:HG23	1:492:A:GLU:H	13	0.29
(1,17)	1:491:A:ILE:HG21	1:492:A:GLU:H	18	0.29
(1,17)	1:491:A:ILE:HG22	1:492:A:GLU:H	18	0.29
(1,17)	1:491:A:ILE:HG23	1:492:A:GLU:H	18	0.29
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG2	15	0.28
(1,1126)	1:549:A:ARG:H	1:549:A:ARG:HG3	15	0.28
(1,1075)	1:521:A:ASN:HB2	1:522:A:ILE:H	8	0.28
(1,1075)	1:521:A:ASN:HB3	1:522:A:ILE:H	8	0.28
(1,1075)	1:521:A:ASN:HB2	1:522:A:ILE:H	15	0.28
(1,1075)	1:521:A:ASN:HB3	1:522:A:ILE:H	15	0.28
(1,1036)	1:502:A:ARG:HG2	1:503:A:HIS:H	2	0.28
(1,1036)	1:502:A:ARG:HG3	1:503:A:HIS:H	2	0.28
(1,1036)	1:502:A:ARG:HG2	1:503:A:HIS:H	3	0.28
(1,1036)	1:502:A:ARG:HG3	1:503:A:HIS:H	3	0.28
(1,1036)	1:502:A:ARG:HG2	1:503:A:HIS:H	4	0.28
(1,1036)	1:502:A:ARG:HG3	1:503:A:HIS:H	4	0.28
(1,1036)	1:502:A:ARG:HG2	1:503:A:HIS:H	19	0.28
(1,1036)	1:502:A:ARG:HG3	1:503:A:HIS:H	19	0.28
(1,1036)	1:502:A:ARG:HG2	1:503:A:HIS:H	20	0.28
(1,1036)	1:502:A:ARG:HG3	1:503:A:HIS:H	20	0.28
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	20	0.28
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	20	0.28
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	20	0.28
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	20	0.28
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	20	0.28
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	20	0.28
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	20	0.28
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	20	0.28
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	20	0.28
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD11	20	0.28
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD12	20	0.28
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD13	20	0.28
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD11	20	0.28
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD12	20	0.28
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD13	20	0.28
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD11	20	0.28
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD12	20	0.28
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD13	20	0.28
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD21	14	0.28
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD22	14	0.28
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD23	14	0.28
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD21	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD22	14	0.28
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD23	14	0.28
(1,829)	1:485:A:ASP:HB2	1:537:A:MET:HA	1	0.28
(1,816)	1:497:A:ASP:HA	1:527:A:SER:HA	1	0.28
(1,816)	1:497:A:ASP:HA	1:527:A:SER:HA	18	0.28
(1,772)	1:496:A:ASP:HB3	1:527:A:SER:HA	3	0.28
(1,772)	1:496:A:ASP:HB3	1:527:A:SER:HA	4	0.28
(1,713)	1:491:A:ILE:HG21	1:555:A:MET:HB3	6	0.28
(1,713)	1:491:A:ILE:HG22	1:555:A:MET:HB3	6	0.28
(1,713)	1:491:A:ILE:HG23	1:555:A:MET:HB3	6	0.28
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG21	17	0.28
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG22	17	0.28
(1,689)	1:522:A:ILE:HA	1:531:A:ILE:HG23	17	0.28
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG21	3	0.28
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG22	3	0.28
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG23	3	0.28
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG21	15	0.28
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG22	15	0.28
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG23	15	0.28
(1,662)	1:501:A:VAL:HG11	1:502:A:ARG:HA	14	0.28
(1,662)	1:501:A:VAL:HG12	1:502:A:ARG:HA	14	0.28
(1,662)	1:501:A:VAL:HG13	1:502:A:ARG:HA	14	0.28
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG21	6	0.28
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG22	6	0.28
(1,645)	1:543:A:GLN:HA	1:546:A:THR:HG23	6	0.28
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	9	0.28
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	9	0.28
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	9	0.28
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	9	0.28
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	9	0.28
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	9	0.28
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	9	0.28
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	9	0.28
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	9	0.28
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD11	2	0.28
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD12	2	0.28
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD13	2	0.28
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD11	2	0.28
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD12	2	0.28
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD13	2	0.28
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD11	2	0.28
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD12	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD13	2	0.28
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD11	17	0.28
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD12	17	0.28
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD13	17	0.28
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD11	17	0.28
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD12	17	0.28
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD13	17	0.28
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD11	17	0.28
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD12	17	0.28
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD13	17	0.28
(1,478)	1:560:A:LEU:HD11	1:561:A:GLY:H	2	0.28
(1,478)	1:560:A:LEU:HD12	1:561:A:GLY:H	2	0.28
(1,478)	1:560:A:LEU:HD13	1:561:A:GLY:H	2	0.28
(1,478)	1:560:A:LEU:HD11	1:561:A:GLY:H	11	0.28
(1,478)	1:560:A:LEU:HD12	1:561:A:GLY:H	11	0.28
(1,478)	1:560:A:LEU:HD13	1:561:A:GLY:H	11	0.28
(1,415)	1:524:A:LEU:HA	1:530:A:THR:H	7	0.28
(1,287)	1:505:A:VAL:HG11	1:516:A:SER:H	15	0.28
(1,287)	1:505:A:VAL:HG12	1:516:A:SER:H	15	0.28
(1,287)	1:505:A:VAL:HG13	1:516:A:SER:H	15	0.28
(1,221)	1:521:A:ASN:H	1:532:A:GLU:HA	8	0.28
(1,221)	1:521:A:ASN:H	1:532:A:GLU:HA	17	0.28
(1,215)	1:515:A:SER:H	1:517:A:ARG:H	7	0.28
(1,189)	1:490:A:ARG:H	1:557:A:MET:HB3	16	0.28
(1,169)	1:483:A:VAL:HG11	1:537:A:MET:H	14	0.28
(1,169)	1:483:A:VAL:HG12	1:537:A:MET:H	14	0.28
(1,169)	1:483:A:VAL:HG13	1:537:A:MET:H	14	0.28
(1,100)	1:495:A:ARG:H	1:525:A:PHE:H	4	0.28
(1,100)	1:495:A:ARG:H	1:525:A:PHE:H	16	0.28
(1,100)	1:495:A:ARG:H	1:525:A:PHE:H	19	0.28
(1,71)	1:488:A:LEU:HD11	1:489:A:TYR:H	2	0.28
(1,71)	1:488:A:LEU:HD12	1:489:A:TYR:H	2	0.28
(1,71)	1:488:A:LEU:HD13	1:489:A:TYR:H	2	0.28
(1,67)	1:488:A:LEU:HB2	1:489:A:TYR:H	7	0.28
(1,67)	1:488:A:LEU:HB2	1:489:A:TYR:H	20	0.28
(1,49)	1:563:A:ALA:HB1	1:564:A:GLN:H	8	0.28
(1,49)	1:563:A:ALA:HB2	1:564:A:GLN:H	8	0.28
(1,49)	1:563:A:ALA:HB3	1:564:A:GLN:H	8	0.28
(1,49)	1:563:A:ALA:HB1	1:564:A:GLN:H	17	0.28
(1,49)	1:563:A:ALA:HB2	1:564:A:GLN:H	17	0.28
(1,49)	1:563:A:ALA:HB3	1:564:A:GLN:H	17	0.28
(1,43)	1:551:A:LEU:H	1:552:A:ASN:HB2	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:491:A:ILE:HG21	1:492:A:GLU:H	7	0.28
(1,17)	1:491:A:ILE:HG22	1:492:A:GLU:H	7	0.28
(1,17)	1:491:A:ILE:HG23	1:492:A:GLU:H	7	0.28
(1,1075)	1:521:A:ASN:HB2	1:522:A:ILE:H	1	0.27
(1,1075)	1:521:A:ASN:HB3	1:522:A:ILE:H	1	0.27
(1,1075)	1:521:A:ASN:HB2	1:522:A:ILE:H	16	0.27
(1,1075)	1:521:A:ASN:HB3	1:522:A:ILE:H	16	0.27
(1,1075)	1:521:A:ASN:HB2	1:522:A:ILE:H	19	0.27
(1,1075)	1:521:A:ASN:HB3	1:522:A:ILE:H	19	0.27
(1,1036)	1:502:A:ARG:HG2	1:503:A:HIS:H	5	0.27
(1,1036)	1:502:A:ARG:HG3	1:503:A:HIS:H	5	0.27
(1,1036)	1:502:A:ARG:HG2	1:503:A:HIS:H	8	0.27
(1,1036)	1:502:A:ARG:HG3	1:503:A:HIS:H	8	0.27
(1,1036)	1:502:A:ARG:HG2	1:503:A:HIS:H	11	0.27
(1,1036)	1:502:A:ARG:HG3	1:503:A:HIS:H	11	0.27
(1,1036)	1:502:A:ARG:HG2	1:503:A:HIS:H	13	0.27
(1,1036)	1:502:A:ARG:HG3	1:503:A:HIS:H	13	0.27
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	7	0.27
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	7	0.27
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	7	0.27
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	7	0.27
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	7	0.27
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	7	0.27
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	7	0.27
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	7	0.27
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	7	0.27
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD11	7	0.27
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD12	7	0.27
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD13	7	0.27
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD11	7	0.27
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD12	7	0.27
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD13	7	0.27
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD11	7	0.27
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD12	7	0.27
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD13	7	0.27
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	11	0.27
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	11	0.27
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	11	0.27
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	11	0.27
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	11	0.27
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	11	0.27
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	11	0.27
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	11	0.27
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD11	11	0.27
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD12	11	0.27
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD13	11	0.27
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD11	11	0.27
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD12	11	0.27
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD13	11	0.27
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD11	11	0.27
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD12	11	0.27
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD13	11	0.27
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	13	0.27
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	13	0.27
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	13	0.27
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	13	0.27
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	13	0.27
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	13	0.27
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	13	0.27
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	13	0.27
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	13	0.27
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD11	13	0.27
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD12	13	0.27
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD13	13	0.27
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD11	13	0.27
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD12	13	0.27
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD13	13	0.27
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD11	13	0.27
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD12	13	0.27
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD13	13	0.27
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	19	0.27
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	19	0.27
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	19	0.27
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	19	0.27
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	19	0.27
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	19	0.27
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	19	0.27
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	19	0.27
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	19	0.27
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD11	19	0.27
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD12	19	0.27
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD13	19	0.27
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD11	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD12	19	0.27
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD13	19	0.27
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD11	19	0.27
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD12	19	0.27
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD13	19	0.27
(1,965)	1:488:A:LEU:HB2	1:489:A:TYR:H	15	0.27
(1,965)	1:488:A:LEU:HB3	1:489:A:TYR:H	15	0.27
(1,814)	1:550:A:ILE:HG21	1:555:A:MET:HB3	4	0.27
(1,814)	1:550:A:ILE:HG22	1:555:A:MET:HB3	4	0.27
(1,814)	1:550:A:ILE:HG23	1:555:A:MET:HB3	4	0.27
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD11	1	0.27
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD12	1	0.27
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD13	1	0.27
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD11	9	0.27
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD12	9	0.27
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD13	9	0.27
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD11	14	0.27
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD12	14	0.27
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD13	14	0.27
(1,666)	1:501:A:VAL:HG11	1:522:A:ILE:HG12	3	0.27
(1,666)	1:501:A:VAL:HG12	1:522:A:ILE:HG12	3	0.27
(1,666)	1:501:A:VAL:HG13	1:522:A:ILE:HG12	3	0.27
(1,662)	1:501:A:VAL:HG11	1:502:A:ARG:HA	1	0.27
(1,662)	1:501:A:VAL:HG12	1:502:A:ARG:HA	1	0.27
(1,662)	1:501:A:VAL:HG13	1:502:A:ARG:HA	1	0.27
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	5	0.27
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	5	0.27
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	5	0.27
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	5	0.27
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	5	0.27
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	5	0.27
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	5	0.27
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	5	0.27
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	5	0.27
(1,606)	1:514:A:ILE:HG21	1:533:A:LEU:HB3	12	0.27
(1,606)	1:514:A:ILE:HG22	1:533:A:LEU:HB3	12	0.27
(1,606)	1:514:A:ILE:HG23	1:533:A:LEU:HB3	12	0.27
(1,449)	1:483:A:VAL:HG11	1:536:A:GLY:H	12	0.27
(1,449)	1:483:A:VAL:HG12	1:536:A:GLY:H	12	0.27
(1,449)	1:483:A:VAL:HG13	1:536:A:GLY:H	12	0.27
(1,429)	1:545:A:PHE:HB3	1:546:A:THR:H	14	0.27
(1,221)	1:521:A:ASN:H	1:532:A:GLU:HA	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,215)	1:515:A:SER:H	1:517:A:ARG:H	2	0.27
(1,215)	1:515:A:SER:H	1:517:A:ARG:H	9	0.27
(1,215)	1:515:A:SER:H	1:517:A:ARG:H	19	0.27
(1,208)	1:550:A:ILE:H	1:550:A:ILE:HB	1	0.27
(1,208)	1:550:A:ILE:H	1:550:A:ILE:HB	4	0.27
(1,208)	1:550:A:ILE:H	1:550:A:ILE:HB	5	0.27
(1,208)	1:550:A:ILE:H	1:550:A:ILE:HB	9	0.27
(1,208)	1:550:A:ILE:H	1:550:A:ILE:HB	10	0.27
(1,208)	1:550:A:ILE:H	1:550:A:ILE:HB	14	0.27
(1,208)	1:550:A:ILE:H	1:550:A:ILE:HB	19	0.27
(1,186)	1:489:A:TYR:HB2	1:490:A:ARG:H	17	0.27
(1,167)	1:537:A:MET:H	1:537:A:MET:HB3	19	0.27
(1,167)	1:537:A:MET:H	1:537:A:MET:HB2	19	0.27
(1,148)	1:523:A:LYS:HG3	1:524:A:LEU:H	20	0.27
(1,100)	1:495:A:ARG:H	1:525:A:PHE:H	2	0.27
(1,100)	1:495:A:ARG:H	1:525:A:PHE:H	11	0.27
(1,100)	1:495:A:ARG:H	1:525:A:PHE:H	14	0.27
(1,43)	1:551:A:LEU:H	1:552:A:ASN:HB2	9	0.27
(1,17)	1:491:A:ILE:HG21	1:492:A:GLU:H	9	0.27
(1,17)	1:491:A:ILE:HG22	1:492:A:GLU:H	9	0.27
(1,17)	1:491:A:ILE:HG23	1:492:A:GLU:H	9	0.27
(1,17)	1:491:A:ILE:HG21	1:492:A:GLU:H	12	0.27
(1,17)	1:491:A:ILE:HG22	1:492:A:GLU:H	12	0.27
(1,17)	1:491:A:ILE:HG23	1:492:A:GLU:H	12	0.27
(1,17)	1:491:A:ILE:HG21	1:492:A:GLU:H	17	0.27
(1,17)	1:491:A:ILE:HG22	1:492:A:GLU:H	17	0.27
(1,17)	1:491:A:ILE:HG23	1:492:A:GLU:H	17	0.27
(1,1131)	1:549:A:ARG:HD2	1:550:A:ILE:H	1	0.26
(1,1131)	1:549:A:ARG:HD3	1:550:A:ILE:H	1	0.26
(1,1131)	1:549:A:ARG:HD2	1:550:A:ILE:H	5	0.26
(1,1131)	1:549:A:ARG:HD3	1:550:A:ILE:H	5	0.26
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG2	11	0.26
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG3	11	0.26
(1,1036)	1:502:A:ARG:HG2	1:503:A:HIS:H	9	0.26
(1,1036)	1:502:A:ARG:HG3	1:503:A:HIS:H	9	0.26
(1,1036)	1:502:A:ARG:HG2	1:503:A:HIS:H	10	0.26
(1,1036)	1:502:A:ARG:HG3	1:503:A:HIS:H	10	0.26
(1,1036)	1:502:A:ARG:HG2	1:503:A:HIS:H	12	0.26
(1,1036)	1:502:A:ARG:HG3	1:503:A:HIS:H	12	0.26
(1,1036)	1:502:A:ARG:HG2	1:503:A:HIS:H	16	0.26
(1,1036)	1:502:A:ARG:HG3	1:503:A:HIS:H	16	0.26
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	5	0.26
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	5	0.26
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	5	0.26
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	5	0.26
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	5	0.26
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	5	0.26
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	5	0.26
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	5	0.26
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD11	5	0.26
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD12	5	0.26
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD13	5	0.26
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD11	5	0.26
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD12	5	0.26
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD13	5	0.26
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD11	5	0.26
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD12	5	0.26
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD13	5	0.26
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD21	3	0.26
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD22	3	0.26
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD23	3	0.26
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD21	3	0.26
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD22	3	0.26
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD23	3	0.26
(1,834)	1:481:A:ALA:HB1	1:482:A:ASP:HA	3	0.26
(1,834)	1:481:A:ALA:HB2	1:482:A:ASP:HA	3	0.26
(1,834)	1:481:A:ALA:HB3	1:482:A:ASP:HA	3	0.26
(1,829)	1:485:A:ASP:HB2	1:537:A:MET:HA	2	0.26
(1,829)	1:485:A:ASP:HB2	1:537:A:MET:HA	19	0.26
(1,816)	1:497:A:ASP:HA	1:527:A:SER:HA	15	0.26
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD21	5	0.26
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD22	5	0.26
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD23	5	0.26
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD21	12	0.26
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD22	12	0.26
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD23	12	0.26
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD21	12	0.26
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD22	12	0.26
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD23	12	0.26
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD21	12	0.26
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD22	12	0.26
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD23	12	0.26
(1,772)	1:496:A:ASP:HB3	1:527:A:SER:HA	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	18	0.26
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	18	0.26
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	18	0.26
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	18	0.26
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	18	0.26
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	18	0.26
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	18	0.26
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	18	0.26
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	18	0.26
(1,564)	1:490:A:ARG:HB2	1:491:A:ILE:HG13	8	0.26
(1,564)	1:490:A:ARG:HB2	1:491:A:ILE:HG13	9	0.26
(1,525)	1:536:A:GLY:HA2	1:538:A:PRO:HD2	5	0.26
(1,478)	1:560:A:LEU:HD11	1:561:A:GLY:H	20	0.26
(1,478)	1:560:A:LEU:HD12	1:561:A:GLY:H	20	0.26
(1,478)	1:560:A:LEU:HD13	1:561:A:GLY:H	20	0.26
(1,476)	1:526:A:ALA:HB1	1:527:A:SER:H	20	0.26
(1,476)	1:526:A:ALA:HB2	1:527:A:SER:H	20	0.26
(1,476)	1:526:A:ALA:HB3	1:527:A:SER:H	20	0.26
(1,449)	1:483:A:VAL:HG11	1:536:A:GLY:H	9	0.26
(1,449)	1:483:A:VAL:HG12	1:536:A:GLY:H	9	0.26
(1,449)	1:483:A:VAL:HG13	1:536:A:GLY:H	9	0.26
(1,440)	1:484:A:GLY:H	1:537:A:MET:H	5	0.26
(1,429)	1:545:A:PHE:HB3	1:546:A:THR:H	7	0.26
(1,429)	1:545:A:PHE:HB3	1:546:A:THR:H	17	0.26
(1,402)	1:491:A:ILE:HG21	1:556:A:ASN:H	19	0.26
(1,402)	1:491:A:ILE:HG22	1:556:A:ASN:H	19	0.26
(1,402)	1:491:A:ILE:HG23	1:556:A:ASN:H	19	0.26
(1,287)	1:505:A:VAL:HG11	1:516:A:SER:H	1	0.26
(1,287)	1:505:A:VAL:HG12	1:516:A:SER:H	1	0.26
(1,287)	1:505:A:VAL:HG13	1:516:A:SER:H	1	0.26
(1,255)	1:538:A:PRO:HB2	1:540:A:GLU:H	17	0.26
(1,233)	1:521:A:ASN:H	1:532:A:GLU:HB2	4	0.26
(1,208)	1:550:A:ILE:H	1:550:A:ILE:HB	6	0.26
(1,208)	1:550:A:ILE:H	1:550:A:ILE:HB	8	0.26
(1,208)	1:550:A:ILE:H	1:550:A:ILE:HB	11	0.26
(1,208)	1:550:A:ILE:H	1:550:A:ILE:HB	12	0.26
(1,208)	1:550:A:ILE:H	1:550:A:ILE:HB	15	0.26
(1,208)	1:550:A:ILE:H	1:550:A:ILE:HB	16	0.26
(1,208)	1:550:A:ILE:H	1:550:A:ILE:HB	18	0.26
(1,208)	1:550:A:ILE:H	1:550:A:ILE:HB	20	0.26
(1,186)	1:489:A:TYR:HB2	1:490:A:ARG:H	12	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB3	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,167)	1:537:A:MET:H	1:537:A:MET:HB2	2	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB3	3	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB2	3	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB3	4	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB2	4	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB3	5	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB2	5	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB3	6	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB2	6	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB3	7	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB2	7	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB3	8	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB2	8	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB3	9	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB2	9	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB3	10	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB2	10	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB3	11	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB2	11	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB3	12	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB2	12	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB3	13	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB2	13	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB3	14	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB2	14	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB3	15	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB2	15	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB3	16	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB2	16	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB3	17	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB2	17	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB3	18	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB2	18	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB3	20	0.26
(1,167)	1:537:A:MET:H	1:537:A:MET:HB2	20	0.26
(1,100)	1:495:A:ARG:H	1:525:A:PHE:H	1	0.26
(1,17)	1:491:A:ILE:HG21	1:492:A:GLU:H	1	0.26
(1,17)	1:491:A:ILE:HG22	1:492:A:GLU:H	1	0.26
(1,17)	1:491:A:ILE:HG23	1:492:A:GLU:H	1	0.26
(1,17)	1:491:A:ILE:HG21	1:492:A:GLU:H	3	0.26
(1,17)	1:491:A:ILE:HG22	1:492:A:GLU:H	3	0.26
(1,17)	1:491:A:ILE:HG23	1:492:A:GLU:H	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:491:A:ILE:HG21	1:492:A:GLU:H	11	0.26
(1,17)	1:491:A:ILE:HG22	1:492:A:GLU:H	11	0.26
(1,17)	1:491:A:ILE:HG23	1:492:A:GLU:H	11	0.26
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD21	9	0.26
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD22	9	0.26
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD23	9	0.26
(1,1131)	1:549:A:ARG:HD2	1:550:A:ILE:H	15	0.25
(1,1131)	1:549:A:ARG:HD3	1:550:A:ILE:H	15	0.25
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG2	17	0.25
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG3	17	0.25
(1,1037)	1:504:A:ILE:HG13	1:529:A:SER:HB2	18	0.25
(1,1037)	1:504:A:ILE:HG13	1:529:A:SER:HB3	18	0.25
(1,1036)	1:502:A:ARG:HG2	1:503:A:HIS:H	18	0.25
(1,1036)	1:502:A:ARG:HG3	1:503:A:HIS:H	18	0.25
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	18	0.25
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	18	0.25
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	18	0.25
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	18	0.25
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	18	0.25
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	18	0.25
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	18	0.25
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	18	0.25
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	18	0.25
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD11	18	0.25
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD12	18	0.25
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD13	18	0.25
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD11	18	0.25
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD12	18	0.25
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD13	18	0.25
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD11	18	0.25
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD12	18	0.25
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD13	18	0.25
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG2	2	0.25
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG2	2	0.25
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG3	2	0.25
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG3	2	0.25
(1,834)	1:481:A:ALA:HB1	1:482:A:ASP:HA	1	0.25
(1,834)	1:481:A:ALA:HB2	1:482:A:ASP:HA	1	0.25
(1,834)	1:481:A:ALA:HB3	1:482:A:ASP:HA	1	0.25
(1,829)	1:485:A:ASP:HB2	1:537:A:MET:HA	3	0.25
(1,829)	1:485:A:ASP:HB2	1:537:A:MET:HA	6	0.25
(1,829)	1:485:A:ASP:HB2	1:537:A:MET:HA	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:485:A:ASP:HB2	1:537:A:MET:HA	15	0.25
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD21	1	0.25
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD22	1	0.25
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD23	1	0.25
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD21	3	0.25
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD22	3	0.25
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD23	3	0.25
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD21	6	0.25
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD22	6	0.25
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD23	6	0.25
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD21	9	0.25
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD22	9	0.25
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD23	9	0.25
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD21	10	0.25
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD22	10	0.25
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD23	10	0.25
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD21	14	0.25
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD22	14	0.25
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD23	14	0.25
(1,713)	1:491:A:ILE:HG21	1:555:A:MET:HB3	1	0.25
(1,713)	1:491:A:ILE:HG22	1:555:A:MET:HB3	1	0.25
(1,713)	1:491:A:ILE:HG23	1:555:A:MET:HB3	1	0.25
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG21	1	0.25
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG22	1	0.25
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG23	1	0.25
(1,666)	1:501:A:VAL:HG11	1:522:A:ILE:HG12	5	0.25
(1,666)	1:501:A:VAL:HG12	1:522:A:ILE:HG12	5	0.25
(1,666)	1:501:A:VAL:HG13	1:522:A:ILE:HG12	5	0.25
(1,662)	1:501:A:VAL:HG11	1:502:A:ARG:HA	3	0.25
(1,662)	1:501:A:VAL:HG12	1:502:A:ARG:HA	3	0.25
(1,662)	1:501:A:VAL:HG13	1:502:A:ARG:HA	3	0.25
(1,662)	1:501:A:VAL:HG11	1:502:A:ARG:HA	10	0.25
(1,662)	1:501:A:VAL:HG12	1:502:A:ARG:HA	10	0.25
(1,662)	1:501:A:VAL:HG13	1:502:A:ARG:HA	10	0.25
(1,662)	1:501:A:VAL:HG11	1:502:A:ARG:HA	19	0.25
(1,662)	1:501:A:VAL:HG12	1:502:A:ARG:HA	19	0.25
(1,662)	1:501:A:VAL:HG13	1:502:A:ARG:HA	19	0.25
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	14	0.25
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	14	0.25
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	14	0.25
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	14	0.25
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	14	0.25
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	14	0.25
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	14	0.25
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	14	0.25
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD21	17	0.25
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD22	17	0.25
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD23	17	0.25
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD21	17	0.25
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD22	17	0.25
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD23	17	0.25
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD21	17	0.25
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD22	17	0.25
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD23	17	0.25
(1,476)	1:526:A:ALA:HB1	1:527:A:SER:H	4	0.25
(1,476)	1:526:A:ALA:HB2	1:527:A:SER:H	4	0.25
(1,476)	1:526:A:ALA:HB3	1:527:A:SER:H	4	0.25
(1,476)	1:526:A:ALA:HB1	1:527:A:SER:H	15	0.25
(1,476)	1:526:A:ALA:HB2	1:527:A:SER:H	15	0.25
(1,476)	1:526:A:ALA:HB3	1:527:A:SER:H	15	0.25
(1,430)	1:528:A:HIS:HB2	1:529:A:SER:H	19	0.25
(1,287)	1:505:A:VAL:HG11	1:516:A:SER:H	4	0.25
(1,287)	1:505:A:VAL:HG12	1:516:A:SER:H	4	0.25
(1,287)	1:505:A:VAL:HG13	1:516:A:SER:H	4	0.25
(1,284)	1:514:A:ILE:HG13	1:515:A:SER:H	13	0.25
(1,284)	1:514:A:ILE:HG13	1:515:A:SER:H	20	0.25
(1,276)	1:513:A:ASP:HB3	1:514:A:ILE:H	17	0.25
(1,263)	1:512:A:GLY:H	1:513:A:ASP:H	17	0.25
(1,221)	1:521:A:ASN:H	1:532:A:GLU:HA	3	0.25
(1,221)	1:521:A:ASN:H	1:532:A:GLU:HA	14	0.25
(1,208)	1:550:A:ILE:H	1:550:A:ILE:HB	2	0.25
(1,208)	1:550:A:ILE:H	1:550:A:ILE:HB	3	0.25
(1,208)	1:550:A:ILE:H	1:550:A:ILE:HB	17	0.25
(1,186)	1:489:A:TYR:HB2	1:490:A:ARG:H	15	0.25
(1,183)	1:490:A:ARG:H	1:559:A:LEU:HA	1	0.25
(1,167)	1:537:A:MET:H	1:537:A:MET:HB3	1	0.25
(1,167)	1:537:A:MET:H	1:537:A:MET:HB2	1	0.25
(1,148)	1:523:A:LYS:HG3	1:524:A:LEU:H	1	0.25
(1,144)	1:523:A:LYS:HE2	1:524:A:LEU:H	17	0.25
(1,144)	1:523:A:LYS:HE3	1:524:A:LEU:H	17	0.25
(1,100)	1:495:A:ARG:H	1:525:A:PHE:H	3	0.25
(1,71)	1:488:A:LEU:HD11	1:489:A:TYR:H	1	0.25
(1,71)	1:488:A:LEU:HD12	1:489:A:TYR:H	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,71)	1:488:A:LEU:HD13	1:489:A:TYR:H	1	0.25
(1,67)	1:488:A:LEU:HB2	1:489:A:TYR:H	18	0.25
(1,49)	1:563:A:ALA:HB1	1:564:A:GLN:H	2	0.25
(1,49)	1:563:A:ALA:HB2	1:564:A:GLN:H	2	0.25
(1,49)	1:563:A:ALA:HB3	1:564:A:GLN:H	2	0.25
(1,17)	1:491:A:ILE:HG21	1:492:A:GLU:H	5	0.25
(1,17)	1:491:A:ILE:HG22	1:492:A:GLU:H	5	0.25
(1,17)	1:491:A:ILE:HG23	1:492:A:GLU:H	5	0.25
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD21	18	0.25
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD22	18	0.25
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD23	18	0.25
(1,1152)	1:558:A:GLN:HG2	1:559:A:LEU:H	5	0.24
(1,1152)	1:558:A:GLN:HG3	1:559:A:LEU:H	5	0.24
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG2	2	0.24
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG3	2	0.24
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB2	2	0.24
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB3	2	0.24
(1,1036)	1:502:A:ARG:HG2	1:503:A:HIS:H	1	0.24
(1,1036)	1:502:A:ARG:HG3	1:503:A:HIS:H	1	0.24
(1,1036)	1:502:A:ARG:HG2	1:503:A:HIS:H	14	0.24
(1,1036)	1:502:A:ARG:HG3	1:503:A:HIS:H	14	0.24
(1,965)	1:488:A:LEU:HB2	1:489:A:TYR:H	18	0.24
(1,965)	1:488:A:LEU:HB3	1:489:A:TYR:H	18	0.24
(1,855)	1:514:A:ILE:HD11	1:534:A:PRO:HD3	13	0.24
(1,855)	1:514:A:ILE:HD12	1:534:A:PRO:HD3	13	0.24
(1,855)	1:514:A:ILE:HD13	1:534:A:PRO:HD3	13	0.24
(1,829)	1:485:A:ASP:HB2	1:537:A:MET:HA	10	0.24
(1,829)	1:485:A:ASP:HB2	1:537:A:MET:HA	14	0.24
(1,829)	1:485:A:ASP:HB2	1:537:A:MET:HA	20	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD21	2	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD22	2	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD23	2	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD21	4	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD22	4	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD23	4	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD21	7	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD22	7	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD23	7	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD21	11	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD22	11	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD23	11	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD21	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD22	12	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD23	12	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD21	15	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD22	15	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD23	15	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD21	17	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD22	17	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD23	17	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD21	19	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD22	19	0.24
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD23	19	0.24
(1,772)	1:496:A:ASP:HB3	1:527:A:SER:HA	11	0.24
(1,730)	1:524:A:LEU:HD11	1:525:A:PHE:HB2	11	0.24
(1,730)	1:524:A:LEU:HD12	1:525:A:PHE:HB2	11	0.24
(1,730)	1:524:A:LEU:HD13	1:525:A:PHE:HB2	11	0.24
(1,713)	1:491:A:ILE:HG21	1:555:A:MET:HB3	7	0.24
(1,713)	1:491:A:ILE:HG22	1:555:A:MET:HB3	7	0.24
(1,713)	1:491:A:ILE:HG23	1:555:A:MET:HB3	7	0.24
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG21	11	0.24
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG22	11	0.24
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG23	11	0.24
(1,666)	1:501:A:VAL:HG11	1:522:A:ILE:HG12	2	0.24
(1,666)	1:501:A:VAL:HG12	1:522:A:ILE:HG12	2	0.24
(1,666)	1:501:A:VAL:HG13	1:522:A:ILE:HG12	2	0.24
(1,662)	1:501:A:VAL:HG11	1:502:A:ARG:HA	11	0.24
(1,662)	1:501:A:VAL:HG12	1:502:A:ARG:HA	11	0.24
(1,662)	1:501:A:VAL:HG13	1:502:A:ARG:HA	11	0.24
(1,662)	1:501:A:VAL:HG11	1:502:A:ARG:HA	18	0.24
(1,662)	1:501:A:VAL:HG12	1:502:A:ARG:HA	18	0.24
(1,662)	1:501:A:VAL:HG13	1:502:A:ARG:HA	18	0.24
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	16	0.24
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	16	0.24
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	16	0.24
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	16	0.24
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	16	0.24
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	16	0.24
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	16	0.24
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	16	0.24
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	16	0.24
(1,525)	1:536:A:GLY:HA2	1:538:A:PRO:HD2	2	0.24
(1,525)	1:536:A:GLY:HA2	1:538:A:PRO:HD2	4	0.24
(1,525)	1:536:A:GLY:HA2	1:538:A:PRO:HD2	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,525)	1:536:A:GLY:HA2	1:538:A:PRO:HD2	16	0.24
(1,525)	1:536:A:GLY:HA2	1:538:A:PRO:HD2	20	0.24
(1,449)	1:483:A:VAL:HG11	1:536:A:GLY:H	6	0.24
(1,449)	1:483:A:VAL:HG12	1:536:A:GLY:H	6	0.24
(1,449)	1:483:A:VAL:HG13	1:536:A:GLY:H	6	0.24
(1,287)	1:505:A:VAL:HG11	1:516:A:SER:H	20	0.24
(1,287)	1:505:A:VAL:HG12	1:516:A:SER:H	20	0.24
(1,287)	1:505:A:VAL:HG13	1:516:A:SER:H	20	0.24
(1,215)	1:515:A:SER:H	1:517:A:ARG:H	10	0.24
(1,209)	1:549:A:ARG:HB2	1:550:A:ILE:H	15	0.24
(1,208)	1:550:A:ILE:H	1:550:A:ILE:HB	7	0.24
(1,183)	1:490:A:ARG:H	1:559:A:LEU:HA	11	0.24
(1,183)	1:490:A:ARG:H	1:559:A:LEU:HA	20	0.24
(1,182)	1:561:A:GLY:HA2	1:562:A:ASP:H	8	0.24
(1,169)	1:483:A:VAL:HG11	1:537:A:MET:H	16	0.24
(1,169)	1:483:A:VAL:HG12	1:537:A:MET:H	16	0.24
(1,169)	1:483:A:VAL:HG13	1:537:A:MET:H	16	0.24
(1,100)	1:495:A:ARG:H	1:525:A:PHE:H	6	0.24
(1,100)	1:495:A:ARG:H	1:525:A:PHE:H	9	0.24
(1,43)	1:551:A:LEU:H	1:552:A:ASN:HB2	13	0.24
(1,17)	1:491:A:ILE:HG21	1:492:A:GLU:H	2	0.24
(1,17)	1:491:A:ILE:HG22	1:492:A:GLU:H	2	0.24
(1,17)	1:491:A:ILE:HG23	1:492:A:GLU:H	2	0.24
(1,17)	1:491:A:ILE:HG21	1:492:A:GLU:H	8	0.24
(1,17)	1:491:A:ILE:HG22	1:492:A:GLU:H	8	0.24
(1,17)	1:491:A:ILE:HG23	1:492:A:GLU:H	8	0.24
(1,17)	1:491:A:ILE:HG21	1:492:A:GLU:H	10	0.24
(1,17)	1:491:A:ILE:HG22	1:492:A:GLU:H	10	0.24
(1,17)	1:491:A:ILE:HG23	1:492:A:GLU:H	10	0.24
(1,17)	1:491:A:ILE:HG21	1:492:A:GLU:H	20	0.24
(1,17)	1:491:A:ILE:HG22	1:492:A:GLU:H	20	0.24
(1,17)	1:491:A:ILE:HG23	1:492:A:GLU:H	20	0.24
(1,1131)	1:549:A:ARG:HD2	1:550:A:ILE:H	4	0.23
(1,1131)	1:549:A:ARG:HD3	1:550:A:ILE:H	4	0.23
(1,1131)	1:549:A:ARG:HD2	1:550:A:ILE:H	8	0.23
(1,1131)	1:549:A:ARG:HD3	1:550:A:ILE:H	8	0.23
(1,1131)	1:549:A:ARG:HD2	1:550:A:ILE:H	11	0.23
(1,1131)	1:549:A:ARG:HD3	1:550:A:ILE:H	11	0.23
(1,1131)	1:549:A:ARG:HD2	1:550:A:ILE:H	14	0.23
(1,1131)	1:549:A:ARG:HD3	1:550:A:ILE:H	14	0.23
(1,1131)	1:549:A:ARG:HD2	1:550:A:ILE:H	17	0.23
(1,1131)	1:549:A:ARG:HD3	1:550:A:ILE:H	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1131)	1:549:A:ARG:HD2	1:550:A:ILE:H	19	0.23
(1,1131)	1:549:A:ARG:HD3	1:550:A:ILE:H	19	0.23
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB2	4	0.23
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB3	4	0.23
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB2	11	0.23
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB3	11	0.23
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB2	20	0.23
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB3	20	0.23
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG2	12	0.23
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG3	12	0.23
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG2	17	0.23
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG3	17	0.23
(1,949)	1:486:A:MET:HG2	1:532:A:GLU:HB3	3	0.23
(1,949)	1:486:A:MET:HG3	1:532:A:GLU:HB3	3	0.23
(1,949)	1:486:A:MET:HG2	1:532:A:GLU:HB3	7	0.23
(1,949)	1:486:A:MET:HG3	1:532:A:GLU:HB3	7	0.23
(1,829)	1:485:A:ASP:HB2	1:537:A:MET:HA	11	0.23
(1,829)	1:485:A:ASP:HB2	1:537:A:MET:HA	17	0.23
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD11	12	0.23
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD12	12	0.23
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD13	12	0.23
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD11	19	0.23
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD12	19	0.23
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD13	19	0.23
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD21	8	0.23
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD22	8	0.23
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD23	8	0.23
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD21	13	0.23
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD22	13	0.23
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD23	13	0.23
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD21	18	0.23
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD22	18	0.23
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD23	18	0.23
(1,772)	1:496:A:ASP:HB3	1:527:A:SER:HA	13	0.23
(1,730)	1:524:A:LEU:HD11	1:525:A:PHE:HB2	4	0.23
(1,730)	1:524:A:LEU:HD12	1:525:A:PHE:HB2	4	0.23
(1,730)	1:524:A:LEU:HD13	1:525:A:PHE:HB2	4	0.23
(1,730)	1:524:A:LEU:HD11	1:525:A:PHE:HB2	19	0.23
(1,730)	1:524:A:LEU:HD12	1:525:A:PHE:HB2	19	0.23
(1,730)	1:524:A:LEU:HD13	1:525:A:PHE:HB2	19	0.23
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD21	15	0.23
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD22	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD23	15	0.23
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD21	15	0.23
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD22	15	0.23
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD23	15	0.23
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD21	15	0.23
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD22	15	0.23
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD23	15	0.23
(1,564)	1:490:A:ARG:HB2	1:491:A:ILE:HG13	12	0.23
(1,525)	1:536:A:GLY:HA2	1:538:A:PRO:HD2	3	0.23
(1,525)	1:536:A:GLY:HA2	1:538:A:PRO:HD2	6	0.23
(1,525)	1:536:A:GLY:HA2	1:538:A:PRO:HD2	10	0.23
(1,525)	1:536:A:GLY:HA2	1:538:A:PRO:HD2	14	0.23
(1,525)	1:536:A:GLY:HA2	1:538:A:PRO:HD2	15	0.23
(1,525)	1:536:A:GLY:HA2	1:538:A:PRO:HD2	17	0.23
(1,525)	1:536:A:GLY:HA2	1:538:A:PRO:HD2	19	0.23
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD11	15	0.23
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD12	15	0.23
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD13	15	0.23
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD11	15	0.23
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD12	15	0.23
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD13	15	0.23
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD11	15	0.23
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD12	15	0.23
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD13	15	0.23
(1,478)	1:560:A:LEU:HD11	1:561:A:GLY:H	8	0.23
(1,478)	1:560:A:LEU:HD12	1:561:A:GLY:H	8	0.23
(1,478)	1:560:A:LEU:HD13	1:561:A:GLY:H	8	0.23
(1,478)	1:560:A:LEU:HD11	1:561:A:GLY:H	10	0.23
(1,478)	1:560:A:LEU:HD12	1:561:A:GLY:H	10	0.23
(1,478)	1:560:A:LEU:HD13	1:561:A:GLY:H	10	0.23
(1,430)	1:528:A:HIS:HB2	1:529:A:SER:H	7	0.23
(1,408)	1:500:A:GLU:HB3	1:502:A:ARG:H	17	0.23
(1,336)	1:518:A:TYR:H	1:519:A:ILE:H	18	0.23
(1,287)	1:505:A:VAL:HG11	1:516:A:SER:H	16	0.23
(1,287)	1:505:A:VAL:HG12	1:516:A:SER:H	16	0.23
(1,287)	1:505:A:VAL:HG13	1:516:A:SER:H	16	0.23
(1,263)	1:512:A:GLY:H	1:513:A:ASP:H	13	0.23
(1,221)	1:521:A:ASN:H	1:532:A:GLU:HA	6	0.23
(1,208)	1:550:A:ILE:H	1:550:A:ILE:HB	13	0.23
(1,186)	1:489:A:TYR:HB2	1:490:A:ARG:H	8	0.23
(1,148)	1:523:A:LYS:HG3	1:524:A:LEU:H	14	0.23
(1,100)	1:495:A:ARG:H	1:525:A:PHE:H	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:495:A:ARG:H	1:525:A:PHE:H	7	0.23
(1,100)	1:495:A:ARG:H	1:525:A:PHE:H	8	0.23
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD21	14	0.23
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD22	14	0.23
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD23	14	0.23
(1,71)	1:488:A:LEU:HD11	1:489:A:TYR:H	3	0.23
(1,71)	1:488:A:LEU:HD12	1:489:A:TYR:H	3	0.23
(1,71)	1:488:A:LEU:HD13	1:489:A:TYR:H	3	0.23
(1,71)	1:488:A:LEU:HD11	1:489:A:TYR:H	15	0.23
(1,71)	1:488:A:LEU:HD12	1:489:A:TYR:H	15	0.23
(1,71)	1:488:A:LEU:HD13	1:489:A:TYR:H	15	0.23
(1,49)	1:563:A:ALA:HB1	1:564:A:GLN:H	12	0.23
(1,49)	1:563:A:ALA:HB2	1:564:A:GLN:H	12	0.23
(1,49)	1:563:A:ALA:HB3	1:564:A:GLN:H	12	0.23
(1,17)	1:491:A:ILE:HG21	1:492:A:GLU:H	4	0.23
(1,17)	1:491:A:ILE:HG22	1:492:A:GLU:H	4	0.23
(1,17)	1:491:A:ILE:HG23	1:492:A:GLU:H	4	0.23
(1,1161)	1:562:A:ASP:HB2	1:563:A:ALA:H	11	0.22
(1,1161)	1:562:A:ASP:HB3	1:563:A:ALA:H	11	0.22
(1,1131)	1:549:A:ARG:HD2	1:550:A:ILE:H	7	0.22
(1,1131)	1:549:A:ARG:HD3	1:550:A:ILE:H	7	0.22
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG2	7	0.22
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG3	7	0.22
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG2	20	0.22
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG3	20	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB2	1	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB3	1	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB2	2	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB3	2	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB2	3	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB3	3	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB2	5	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB3	5	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB2	6	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB3	6	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB2	7	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB3	7	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB2	8	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB3	8	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB2	9	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB3	9	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB2	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB3	11	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB2	12	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB3	12	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB2	13	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB3	13	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB2	15	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB3	15	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB2	16	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB3	16	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB2	17	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB3	17	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB2	19	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB3	19	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB2	20	0.22
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB3	20	0.22
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB2	15	0.22
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB3	15	0.22
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	17	0.22
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	17	0.22
(1,1028)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	17	0.22
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	17	0.22
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	17	0.22
(1,1028)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	17	0.22
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	17	0.22
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	17	0.22
(1,1028)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	17	0.22
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD11	17	0.22
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD12	17	0.22
(1,1028)	1:499:A:VAL:HG21	1:504:A:ILE:HD13	17	0.22
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD11	17	0.22
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD12	17	0.22
(1,1028)	1:499:A:VAL:HG22	1:504:A:ILE:HD13	17	0.22
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD11	17	0.22
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD12	17	0.22
(1,1028)	1:499:A:VAL:HG23	1:504:A:ILE:HD13	17	0.22
(1,885)	1:505:A:VAL:HA	1:508:A:ILE:HB	10	0.22
(1,885)	1:505:A:VAL:HA	1:508:A:ILE:HB	11	0.22
(1,885)	1:505:A:VAL:HA	1:508:A:ILE:HB	14	0.22
(1,829)	1:485:A:ASP:HB2	1:537:A:MET:HA	4	0.22
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD21	20	0.22
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD22	20	0.22
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD23	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,773)	1:526:A:ALA:HB1	1:527:A:SER:HA	11	0.22
(1,773)	1:526:A:ALA:HB2	1:527:A:SER:HA	11	0.22
(1,773)	1:526:A:ALA:HB3	1:527:A:SER:HA	11	0.22
(1,772)	1:496:A:ASP:HB3	1:527:A:SER:HA	16	0.22
(1,730)	1:524:A:LEU:HD11	1:525:A:PHE:HB2	2	0.22
(1,730)	1:524:A:LEU:HD12	1:525:A:PHE:HB2	2	0.22
(1,730)	1:524:A:LEU:HD13	1:525:A:PHE:HB2	2	0.22
(1,730)	1:524:A:LEU:HD11	1:525:A:PHE:HB2	13	0.22
(1,730)	1:524:A:LEU:HD12	1:525:A:PHE:HB2	13	0.22
(1,730)	1:524:A:LEU:HD13	1:525:A:PHE:HB2	13	0.22
(1,730)	1:524:A:LEU:HD11	1:525:A:PHE:HB2	17	0.22
(1,730)	1:524:A:LEU:HD12	1:525:A:PHE:HB2	17	0.22
(1,730)	1:524:A:LEU:HD13	1:525:A:PHE:HB2	17	0.22
(1,730)	1:524:A:LEU:HD11	1:525:A:PHE:HB2	20	0.22
(1,730)	1:524:A:LEU:HD12	1:525:A:PHE:HB2	20	0.22
(1,730)	1:524:A:LEU:HD13	1:525:A:PHE:HB2	20	0.22
(1,720)	1:501:A:VAL:HG11	1:522:A:ILE:HG21	7	0.22
(1,720)	1:501:A:VAL:HG11	1:522:A:ILE:HG22	7	0.22
(1,720)	1:501:A:VAL:HG11	1:522:A:ILE:HG23	7	0.22
(1,720)	1:501:A:VAL:HG12	1:522:A:ILE:HG21	7	0.22
(1,720)	1:501:A:VAL:HG12	1:522:A:ILE:HG22	7	0.22
(1,720)	1:501:A:VAL:HG12	1:522:A:ILE:HG23	7	0.22
(1,720)	1:501:A:VAL:HG13	1:522:A:ILE:HG21	7	0.22
(1,720)	1:501:A:VAL:HG13	1:522:A:ILE:HG22	7	0.22
(1,720)	1:501:A:VAL:HG13	1:522:A:ILE:HG23	7	0.22
(1,666)	1:501:A:VAL:HG11	1:522:A:ILE:HG12	16	0.22
(1,666)	1:501:A:VAL:HG12	1:522:A:ILE:HG12	16	0.22
(1,666)	1:501:A:VAL:HG13	1:522:A:ILE:HG12	16	0.22
(1,662)	1:501:A:VAL:HG11	1:502:A:ARG:HA	16	0.22
(1,662)	1:501:A:VAL:HG12	1:502:A:ARG:HA	16	0.22
(1,662)	1:501:A:VAL:HG13	1:502:A:ARG:HA	16	0.22
(1,657)	1:501:A:VAL:HG11	1:504:A:ILE:HG12	17	0.22
(1,657)	1:501:A:VAL:HG12	1:504:A:ILE:HG12	17	0.22
(1,657)	1:501:A:VAL:HG13	1:504:A:ILE:HG12	17	0.22
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD21	2	0.22
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD22	2	0.22
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD23	2	0.22
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD21	2	0.22
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD22	2	0.22
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD23	2	0.22
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD21	2	0.22
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD22	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD23	2	0.22
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD21	13	0.22
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD22	13	0.22
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD23	13	0.22
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD21	13	0.22
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD22	13	0.22
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD23	13	0.22
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD21	13	0.22
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD22	13	0.22
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD23	13	0.22
(1,525)	1:536:A:GLY:HA2	1:538:A:PRO:HD2	9	0.22
(1,478)	1:560:A:LEU:HD11	1:561:A:GLY:H	16	0.22
(1,478)	1:560:A:LEU:HD12	1:561:A:GLY:H	16	0.22
(1,478)	1:560:A:LEU:HD13	1:561:A:GLY:H	16	0.22
(1,429)	1:545:A:PHE:HB3	1:546:A:THR:H	12	0.22
(1,408)	1:500:A:GLU:HB3	1:502:A:ARG:H	16	0.22
(1,403)	1:491:A:ILE:HD11	1:493:A:VAL:H	14	0.22
(1,403)	1:491:A:ILE:HD12	1:493:A:VAL:H	14	0.22
(1,403)	1:491:A:ILE:HD13	1:493:A:VAL:H	14	0.22
(1,336)	1:518:A:TYR:H	1:519:A:ILE:H	5	0.22
(1,336)	1:518:A:TYR:H	1:519:A:ILE:H	7	0.22
(1,336)	1:518:A:TYR:H	1:519:A:ILE:H	19	0.22
(1,265)	1:515:A:SER:H	1:519:A:ILE:H	9	0.22
(1,255)	1:538:A:PRO:HB2	1:540:A:GLU:H	5	0.22
(1,255)	1:538:A:PRO:HB2	1:540:A:GLU:H	7	0.22
(1,215)	1:515:A:SER:H	1:517:A:ARG:H	1	0.22
(1,215)	1:515:A:SER:H	1:517:A:ARG:H	13	0.22
(1,182)	1:561:A:GLY:HA2	1:562:A:ASP:H	18	0.22
(1,71)	1:488:A:LEU:HD11	1:489:A:TYR:H	13	0.22
(1,71)	1:488:A:LEU:HD12	1:489:A:TYR:H	13	0.22
(1,71)	1:488:A:LEU:HD13	1:489:A:TYR:H	13	0.22
(1,49)	1:563:A:ALA:HB1	1:564:A:GLN:H	6	0.22
(1,49)	1:563:A:ALA:HB2	1:564:A:GLN:H	6	0.22
(1,49)	1:563:A:ALA:HB3	1:564:A:GLN:H	6	0.22
(1,17)	1:491:A:ILE:HG21	1:492:A:GLU:H	6	0.22
(1,17)	1:491:A:ILE:HG22	1:492:A:GLU:H	6	0.22
(1,17)	1:491:A:ILE:HG23	1:492:A:GLU:H	6	0.22
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG2	8	0.21
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG3	8	0.21
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG2	12	0.21
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG3	12	0.21
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG2	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG3	14	0.21
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB2	4	0.21
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB3	4	0.21
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG2	18	0.21
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG3	18	0.21
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD2	1	0.21
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD3	1	0.21
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD2	4	0.21
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD3	4	0.21
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD2	11	0.21
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD3	11	0.21
(1,1018)	1:497:A:ASP:HB2	1:499:A:VAL:H	14	0.21
(1,1018)	1:497:A:ASP:HB3	1:499:A:VAL:H	14	0.21
(1,885)	1:505:A:VAL:HA	1:508:A:ILE:HB	5	0.21
(1,885)	1:505:A:VAL:HA	1:508:A:ILE:HB	7	0.21
(1,885)	1:505:A:VAL:HA	1:508:A:ILE:HB	8	0.21
(1,885)	1:505:A:VAL:HA	1:508:A:ILE:HB	15	0.21
(1,846)	1:549:A:ARG:HB2	1:550:A:ILE:HA	13	0.21
(1,829)	1:485:A:ASP:HB2	1:537:A:MET:HA	9	0.21
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD21	16	0.21
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD22	16	0.21
(1,783)	1:551:A:LEU:HA	1:551:A:LEU:HD23	16	0.21
(1,772)	1:496:A:ASP:HB3	1:527:A:SER:HA	17	0.21
(1,730)	1:524:A:LEU:HD11	1:525:A:PHE:HB2	1	0.21
(1,730)	1:524:A:LEU:HD12	1:525:A:PHE:HB2	1	0.21
(1,730)	1:524:A:LEU:HD13	1:525:A:PHE:HB2	1	0.21
(1,730)	1:524:A:LEU:HD11	1:525:A:PHE:HB2	3	0.21
(1,730)	1:524:A:LEU:HD12	1:525:A:PHE:HB2	3	0.21
(1,730)	1:524:A:LEU:HD13	1:525:A:PHE:HB2	3	0.21
(1,730)	1:524:A:LEU:HD11	1:525:A:PHE:HB2	10	0.21
(1,730)	1:524:A:LEU:HD12	1:525:A:PHE:HB2	10	0.21
(1,730)	1:524:A:LEU:HD13	1:525:A:PHE:HB2	10	0.21
(1,730)	1:524:A:LEU:HD11	1:525:A:PHE:HB2	18	0.21
(1,730)	1:524:A:LEU:HD12	1:525:A:PHE:HB2	18	0.21
(1,730)	1:524:A:LEU:HD13	1:525:A:PHE:HB2	18	0.21
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB1	14	0.21
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB2	14	0.21
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB3	14	0.21
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG21	12	0.21
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG22	12	0.21
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG23	12	0.21
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD11	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD12	10	0.21
(1,607)	1:499:A:VAL:HG11	1:504:A:ILE:HD13	10	0.21
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD11	10	0.21
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD12	10	0.21
(1,607)	1:499:A:VAL:HG12	1:504:A:ILE:HD13	10	0.21
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD11	10	0.21
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD12	10	0.21
(1,607)	1:499:A:VAL:HG13	1:504:A:ILE:HD13	10	0.21
(1,564)	1:490:A:ARG:HB2	1:491:A:ILE:HG13	6	0.21
(1,556)	1:508:A:ILE:HD11	1:514:A:ILE:HG12	9	0.21
(1,556)	1:508:A:ILE:HD12	1:514:A:ILE:HG12	9	0.21
(1,556)	1:508:A:ILE:HD13	1:514:A:ILE:HG12	9	0.21
(1,525)	1:536:A:GLY:HA2	1:538:A:PRO:HD2	1	0.21
(1,525)	1:536:A:GLY:HA2	1:538:A:PRO:HD2	8	0.21
(1,525)	1:536:A:GLY:HA2	1:538:A:PRO:HD2	18	0.21
(1,478)	1:560:A:LEU:HD11	1:561:A:GLY:H	1	0.21
(1,478)	1:560:A:LEU:HD12	1:561:A:GLY:H	1	0.21
(1,478)	1:560:A:LEU:HD13	1:561:A:GLY:H	1	0.21
(1,472)	1:561:A:GLY:H	1:561:A:GLY:HA2	2	0.21
(1,472)	1:561:A:GLY:H	1:561:A:GLY:HA2	17	0.21
(1,450)	1:485:A:ASP:H	1:536:A:GLY:H	11	0.21
(1,429)	1:545:A:PHE:HB3	1:546:A:THR:H	1	0.21
(1,408)	1:500:A:GLU:HB3	1:502:A:ARG:H	5	0.21
(1,408)	1:500:A:GLU:HB3	1:502:A:ARG:H	18	0.21
(1,336)	1:518:A:TYR:H	1:519:A:ILE:H	14	0.21
(1,287)	1:505:A:VAL:HG11	1:516:A:SER:H	18	0.21
(1,287)	1:505:A:VAL:HG12	1:516:A:SER:H	18	0.21
(1,287)	1:505:A:VAL:HG13	1:516:A:SER:H	18	0.21
(1,265)	1:515:A:SER:H	1:519:A:ILE:H	1	0.21
(1,265)	1:515:A:SER:H	1:519:A:ILE:H	5	0.21
(1,265)	1:515:A:SER:H	1:519:A:ILE:H	10	0.21
(1,265)	1:515:A:SER:H	1:519:A:ILE:H	15	0.21
(1,265)	1:515:A:SER:H	1:519:A:ILE:H	19	0.21
(1,265)	1:515:A:SER:H	1:519:A:ILE:H	20	0.21
(1,186)	1:489:A:TYR:HB2	1:490:A:ARG:H	7	0.21
(1,186)	1:489:A:TYR:HB2	1:490:A:ARG:H	11	0.21
(1,186)	1:489:A:TYR:HB2	1:490:A:ARG:H	16	0.21
(1,183)	1:490:A:ARG:H	1:559:A:LEU:HA	6	0.21
(1,183)	1:490:A:ARG:H	1:559:A:LEU:HA	16	0.21
(1,182)	1:561:A:GLY:HA2	1:562:A:ASP:H	5	0.21
(1,182)	1:561:A:GLY:HA2	1:562:A:ASP:H	9	0.21
(1,169)	1:483:A:VAL:HG11	1:537:A:MET:H	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:483:A:VAL:HG12	1:537:A:MET:H	15	0.21
(1,169)	1:483:A:VAL:HG13	1:537:A:MET:H	15	0.21
(1,71)	1:488:A:LEU:HD11	1:489:A:TYR:H	19	0.21
(1,71)	1:488:A:LEU:HD12	1:489:A:TYR:H	19	0.21
(1,71)	1:488:A:LEU:HD13	1:489:A:TYR:H	19	0.21
(1,4)	1:522:A:ILE:HB	1:523:A:LYS:H	13	0.21
(1,4)	1:522:A:ILE:HB	1:523:A:LYS:H	15	0.21
(1,1152)	1:558:A:GLN:HG2	1:559:A:LEU:H	9	0.2
(1,1152)	1:558:A:GLN:HG3	1:559:A:LEU:H	9	0.2
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG2	18	0.2
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG3	18	0.2
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG2	9	0.2
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG3	9	0.2
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB2	10	0.2
(1,1086)	1:529:A:SER:H	1:529:A:SER:HB3	10	0.2
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD11	1	0.2
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD12	1	0.2
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD13	1	0.2
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD21	1	0.2
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD22	1	0.2
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD23	1	0.2
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG2	16	0.2
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG3	16	0.2
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD2	2	0.2
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD3	2	0.2
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD2	6	0.2
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD3	6	0.2
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD2	16	0.2
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD3	16	0.2
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD2	20	0.2
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD3	20	0.2
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD21	8	0.2
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD22	8	0.2
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD23	8	0.2
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD21	8	0.2
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD22	8	0.2
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD23	8	0.2
(1,834)	1:481:A:ALA:HB1	1:482:A:ASP:HA	12	0.2
(1,834)	1:481:A:ALA:HB2	1:482:A:ASP:HA	12	0.2
(1,834)	1:481:A:ALA:HB3	1:482:A:ASP:HA	12	0.2
(1,829)	1:485:A:ASP:HB2	1:537:A:MET:HA	16	0.2
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD11	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD12	3	0.2
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD13	3	0.2
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD21	16	0.2
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD22	16	0.2
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD23	16	0.2
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD21	16	0.2
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD22	16	0.2
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD23	16	0.2
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD21	16	0.2
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD22	16	0.2
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD23	16	0.2
(1,772)	1:496:A:ASP:HB3	1:527:A:SER:HA	18	0.2
(1,730)	1:524:A:LEU:HD11	1:525:A:PHE:HB2	6	0.2
(1,730)	1:524:A:LEU:HD12	1:525:A:PHE:HB2	6	0.2
(1,730)	1:524:A:LEU:HD13	1:525:A:PHE:HB2	6	0.2
(1,730)	1:524:A:LEU:HD11	1:525:A:PHE:HB2	9	0.2
(1,730)	1:524:A:LEU:HD12	1:525:A:PHE:HB2	9	0.2
(1,730)	1:524:A:LEU:HD13	1:525:A:PHE:HB2	9	0.2
(1,730)	1:524:A:LEU:HD11	1:525:A:PHE:HB2	14	0.2
(1,730)	1:524:A:LEU:HD12	1:525:A:PHE:HB2	14	0.2
(1,730)	1:524:A:LEU:HD13	1:525:A:PHE:HB2	14	0.2
(1,730)	1:524:A:LEU:HD11	1:525:A:PHE:HB2	15	0.2
(1,730)	1:524:A:LEU:HD12	1:525:A:PHE:HB2	15	0.2
(1,730)	1:524:A:LEU:HD13	1:525:A:PHE:HB2	15	0.2
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB1	4	0.2
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB2	4	0.2
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB3	4	0.2
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB1	6	0.2
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB2	6	0.2
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB3	6	0.2
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB1	11	0.2
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB2	11	0.2
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB3	11	0.2
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG21	18	0.2
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG22	18	0.2
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG23	18	0.2
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG21	14	0.2
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG22	14	0.2
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG23	14	0.2
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG21	18	0.2
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG22	18	0.2
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG23	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,666)	1:501:A:VAL:HG11	1:522:A:ILE:HG12	10	0.2
(1,666)	1:501:A:VAL:HG12	1:522:A:ILE:HG12	10	0.2
(1,666)	1:501:A:VAL:HG13	1:522:A:ILE:HG12	10	0.2
(1,662)	1:501:A:VAL:HG11	1:502:A:ARG:HA	13	0.2
(1,662)	1:501:A:VAL:HG12	1:502:A:ARG:HA	13	0.2
(1,662)	1:501:A:VAL:HG13	1:502:A:ARG:HA	13	0.2
(1,658)	1:541:A:VAL:HG11	1:542:A:LEU:HB2	12	0.2
(1,658)	1:541:A:VAL:HG12	1:542:A:LEU:HB2	12	0.2
(1,658)	1:541:A:VAL:HG13	1:542:A:LEU:HB2	12	0.2
(1,606)	1:514:A:ILE:HG21	1:533:A:LEU:HB3	14	0.2
(1,606)	1:514:A:ILE:HG22	1:533:A:LEU:HB3	14	0.2
(1,606)	1:514:A:ILE:HG23	1:533:A:LEU:HB3	14	0.2
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD21	3	0.2
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD22	3	0.2
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD23	3	0.2
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD21	3	0.2
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD22	3	0.2
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD23	3	0.2
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD21	3	0.2
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD22	3	0.2
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD23	3	0.2
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD21	4	0.2
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD22	4	0.2
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD23	4	0.2
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD21	4	0.2
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD22	4	0.2
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD23	4	0.2
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD21	4	0.2
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD22	4	0.2
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD23	4	0.2
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD21	7	0.2
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD22	7	0.2
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD23	7	0.2
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD21	7	0.2
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD22	7	0.2
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD23	7	0.2
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD21	7	0.2
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD22	7	0.2
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD23	7	0.2
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD21	8	0.2
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD22	8	0.2
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD23	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD21	8	0.2
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD22	8	0.2
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD23	8	0.2
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD21	8	0.2
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD22	8	0.2
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD23	8	0.2
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD21	12	0.2
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD22	12	0.2
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD23	12	0.2
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD21	12	0.2
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD22	12	0.2
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD23	12	0.2
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD21	12	0.2
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD22	12	0.2
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD23	12	0.2
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD21	20	0.2
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD22	20	0.2
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD23	20	0.2
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD21	20	0.2
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD22	20	0.2
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD23	20	0.2
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD21	20	0.2
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD22	20	0.2
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD23	20	0.2
(1,564)	1:490:A:ARG:HB2	1:491:A:ILE:HG13	16	0.2
(1,556)	1:508:A:ILE:HD11	1:514:A:ILE:HG12	8	0.2
(1,556)	1:508:A:ILE:HD12	1:514:A:ILE:HG12	8	0.2
(1,556)	1:508:A:ILE:HD13	1:514:A:ILE:HG12	8	0.2
(1,525)	1:536:A:GLY:HA2	1:538:A:PRO:HD2	7	0.2
(1,525)	1:536:A:GLY:HA2	1:538:A:PRO:HD2	11	0.2
(1,476)	1:526:A:ALA:HB1	1:527:A:SER:H	11	0.2
(1,476)	1:526:A:ALA:HB2	1:527:A:SER:H	11	0.2
(1,476)	1:526:A:ALA:HB3	1:527:A:SER:H	11	0.2
(1,472)	1:561:A:GLY:H	1:561:A:GLY:HA2	1	0.2
(1,472)	1:561:A:GLY:H	1:561:A:GLY:HA2	3	0.2
(1,472)	1:561:A:GLY:H	1:561:A:GLY:HA2	5	0.2
(1,472)	1:561:A:GLY:H	1:561:A:GLY:HA2	8	0.2
(1,472)	1:561:A:GLY:H	1:561:A:GLY:HA2	9	0.2
(1,472)	1:561:A:GLY:H	1:561:A:GLY:HA2	10	0.2
(1,472)	1:561:A:GLY:H	1:561:A:GLY:HA2	13	0.2
(1,472)	1:561:A:GLY:H	1:561:A:GLY:HA2	14	0.2
(1,472)	1:561:A:GLY:H	1:561:A:GLY:HA2	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,468)	1:561:A:GLY:H	1:562:A:ASP:H	3	0.2
(1,450)	1:485:A:ASP:H	1:536:A:GLY:H	12	0.2
(1,440)	1:484:A:GLY:H	1:537:A:MET:H	9	0.2
(1,430)	1:528:A:HIS:HB2	1:529:A:SER:H	18	0.2
(1,415)	1:524:A:LEU:HA	1:530:A:THR:H	11	0.2
(1,408)	1:500:A:GLU:HB3	1:502:A:ARG:H	7	0.2
(1,408)	1:500:A:GLU:HB3	1:502:A:ARG:H	19	0.2
(1,389)	1:556:A:ASN:H	1:557:A:MET:H	15	0.2
(1,359)	1:543:A:GLN:H	1:545:A:PHE:H	17	0.2
(1,359)	1:543:A:GLN:H	1:545:A:PHE:H	19	0.2
(1,336)	1:518:A:TYR:H	1:519:A:ILE:H	8	0.2
(1,335)	1:515:A:SER:H	1:518:A:TYR:H	18	0.2
(1,276)	1:513:A:ASP:HB3	1:514:A:ILE:H	19	0.2
(1,265)	1:515:A:SER:H	1:519:A:ILE:H	2	0.2
(1,265)	1:515:A:SER:H	1:519:A:ILE:H	3	0.2
(1,265)	1:515:A:SER:H	1:519:A:ILE:H	16	0.2
(1,255)	1:538:A:PRO:HB2	1:540:A:GLU:H	14	0.2
(1,215)	1:515:A:SER:H	1:517:A:ARG:H	5	0.2
(1,200)	1:550:A:ILE:H	1:555:A:MET:H	13	0.2
(1,169)	1:483:A:VAL:HG11	1:537:A:MET:H	20	0.2
(1,169)	1:483:A:VAL:HG12	1:537:A:MET:H	20	0.2
(1,169)	1:483:A:VAL:HG13	1:537:A:MET:H	20	0.2
(1,97)	1:525:A:PHE:H	1:530:A:THR:H	11	0.2
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD21	11	0.2
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD22	11	0.2
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD23	11	0.2
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD21	13	0.2
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD22	13	0.2
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD23	13	0.2
(1,71)	1:488:A:LEU:HD11	1:489:A:TYR:H	18	0.2
(1,71)	1:488:A:LEU:HD12	1:489:A:TYR:H	18	0.2
(1,71)	1:488:A:LEU:HD13	1:489:A:TYR:H	18	0.2
(1,49)	1:563:A:ALA:HB1	1:564:A:GLN:H	3	0.2
(1,49)	1:563:A:ALA:HB2	1:564:A:GLN:H	3	0.2
(1,49)	1:563:A:ALA:HB3	1:564:A:GLN:H	3	0.2
(1,43)	1:551:A:LEU:H	1:552:A:ASN:HB2	2	0.2
(1,32)	1:532:A:GLU:H	1:532:A:GLU:HB2	3	0.2
(1,32)	1:532:A:GLU:H	1:532:A:GLU:HB2	6	0.2
(1,4)	1:522:A:ILE:HB	1:523:A:LYS:H	12	0.2
(1,4)	1:522:A:ILE:HB	1:523:A:LYS:H	14	0.2
(1,4)	1:522:A:ILE:HB	1:523:A:LYS:H	16	0.2
(1,1129)	1:549:A:ARG:HG2	1:553:A:LYS:HA	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1129)	1:549:A:ARG:HG3	1:553:A:LYS:HA	15	0.19
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG2	3	0.19
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG3	3	0.19
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG2	5	0.19
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG3	5	0.19
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG2	6	0.19
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG3	6	0.19
(1,1070)	1:519:A:ILE:HB	1:533:A:LEU:HD11	11	0.19
(1,1070)	1:519:A:ILE:HB	1:533:A:LEU:HD12	11	0.19
(1,1070)	1:519:A:ILE:HB	1:533:A:LEU:HD13	11	0.19
(1,1070)	1:519:A:ILE:HB	1:533:A:LEU:HD21	11	0.19
(1,1070)	1:519:A:ILE:HB	1:533:A:LEU:HD22	11	0.19
(1,1070)	1:519:A:ILE:HB	1:533:A:LEU:HD23	11	0.19
(1,1070)	1:519:A:ILE:HB	1:533:A:LEU:HD11	18	0.19
(1,1070)	1:519:A:ILE:HB	1:533:A:LEU:HD12	18	0.19
(1,1070)	1:519:A:ILE:HB	1:533:A:LEU:HD13	18	0.19
(1,1070)	1:519:A:ILE:HB	1:533:A:LEU:HD21	18	0.19
(1,1070)	1:519:A:ILE:HB	1:533:A:LEU:HD22	18	0.19
(1,1070)	1:519:A:ILE:HB	1:533:A:LEU:HD23	18	0.19
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD2	9	0.19
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD3	9	0.19
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD2	14	0.19
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD3	14	0.19
(1,885)	1:505:A:VAL:HA	1:508:A:ILE:HB	12	0.19
(1,846)	1:549:A:ARG:HB2	1:550:A:ILE:HA	2	0.19
(1,834)	1:481:A:ALA:HB1	1:482:A:ASP:HA	18	0.19
(1,834)	1:481:A:ALA:HB2	1:482:A:ASP:HA	18	0.19
(1,834)	1:481:A:ALA:HB3	1:482:A:ASP:HA	18	0.19
(1,730)	1:524:A:LEU:HD11	1:525:A:PHE:HB2	7	0.19
(1,730)	1:524:A:LEU:HD12	1:525:A:PHE:HB2	7	0.19
(1,730)	1:524:A:LEU:HD13	1:525:A:PHE:HB2	7	0.19
(1,730)	1:524:A:LEU:HD11	1:525:A:PHE:HB2	8	0.19
(1,730)	1:524:A:LEU:HD12	1:525:A:PHE:HB2	8	0.19
(1,730)	1:524:A:LEU:HD13	1:525:A:PHE:HB2	8	0.19
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB1	10	0.19
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB2	10	0.19
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB3	10	0.19
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB1	16	0.19
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB2	16	0.19
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB3	16	0.19
(1,713)	1:491:A:ILE:HG21	1:555:A:MET:HB3	15	0.19
(1,713)	1:491:A:ILE:HG22	1:555:A:MET:HB3	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,713)	1:491:A:ILE:HG23	1:555:A:MET:HB3	15	0.19
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG21	5	0.19
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG22	5	0.19
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG23	5	0.19
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD21	6	0.19
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD22	6	0.19
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD23	6	0.19
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD21	6	0.19
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD22	6	0.19
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD23	6	0.19
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD21	6	0.19
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD22	6	0.19
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD23	6	0.19
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD21	11	0.19
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD22	11	0.19
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD23	11	0.19
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD21	11	0.19
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD22	11	0.19
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD23	11	0.19
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD21	11	0.19
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD22	11	0.19
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD23	11	0.19
(1,564)	1:490:A:ARG:HB2	1:491:A:ILE:HG13	20	0.19
(1,556)	1:508:A:ILE:HD11	1:514:A:ILE:HG12	3	0.19
(1,556)	1:508:A:ILE:HD12	1:514:A:ILE:HG12	3	0.19
(1,556)	1:508:A:ILE:HD13	1:514:A:ILE:HG12	3	0.19
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD11	11	0.19
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD12	11	0.19
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD13	11	0.19
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD11	11	0.19
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD12	11	0.19
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD13	11	0.19
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD11	11	0.19
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD12	11	0.19
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD13	11	0.19
(1,478)	1:560:A:LEU:HD11	1:561:A:GLY:H	4	0.19
(1,478)	1:560:A:LEU:HD12	1:561:A:GLY:H	4	0.19
(1,478)	1:560:A:LEU:HD13	1:561:A:GLY:H	4	0.19
(1,472)	1:561:A:GLY:H	1:561:A:GLY:HA2	4	0.19
(1,472)	1:561:A:GLY:H	1:561:A:GLY:HA2	6	0.19
(1,472)	1:561:A:GLY:H	1:561:A:GLY:HA2	11	0.19
(1,472)	1:561:A:GLY:H	1:561:A:GLY:HA2	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,472)	1:561:A:GLY:H	1:561:A:GLY:HA2	20	0.19
(1,430)	1:528:A:HIS:HB2	1:529:A:SER:H	6	0.19
(1,415)	1:524:A:LEU:HA	1:530:A:THR:H	18	0.19
(1,408)	1:500:A:GLU:HB3	1:502:A:ARG:H	8	0.19
(1,408)	1:500:A:GLU:HB3	1:502:A:ARG:H	11	0.19
(1,408)	1:500:A:GLU:HB3	1:502:A:ARG:H	13	0.19
(1,408)	1:500:A:GLU:HB3	1:502:A:ARG:H	15	0.19
(1,408)	1:500:A:GLU:HB3	1:502:A:ARG:H	20	0.19
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG21	18	0.19
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG22	18	0.19
(1,311)	1:491:A:ILE:H	1:530:A:THR:HG23	18	0.19
(1,299)	1:547:A:ARG:HA	1:548:A:THR:H	1	0.19
(1,299)	1:547:A:ARG:HA	1:548:A:THR:H	2	0.19
(1,299)	1:547:A:ARG:HA	1:548:A:THR:H	3	0.19
(1,299)	1:547:A:ARG:HA	1:548:A:THR:H	4	0.19
(1,299)	1:547:A:ARG:HA	1:548:A:THR:H	5	0.19
(1,299)	1:547:A:ARG:HA	1:548:A:THR:H	6	0.19
(1,299)	1:547:A:ARG:HA	1:548:A:THR:H	9	0.19
(1,299)	1:547:A:ARG:HA	1:548:A:THR:H	10	0.19
(1,299)	1:547:A:ARG:HA	1:548:A:THR:H	11	0.19
(1,299)	1:547:A:ARG:HA	1:548:A:THR:H	12	0.19
(1,299)	1:547:A:ARG:HA	1:548:A:THR:H	13	0.19
(1,299)	1:547:A:ARG:HA	1:548:A:THR:H	15	0.19
(1,299)	1:547:A:ARG:HA	1:548:A:THR:H	16	0.19
(1,299)	1:547:A:ARG:HA	1:548:A:THR:H	18	0.19
(1,299)	1:547:A:ARG:HA	1:548:A:THR:H	19	0.19
(1,299)	1:547:A:ARG:HA	1:548:A:THR:H	20	0.19
(1,287)	1:505:A:VAL:HG11	1:516:A:SER:H	8	0.19
(1,287)	1:505:A:VAL:HG12	1:516:A:SER:H	8	0.19
(1,287)	1:505:A:VAL:HG13	1:516:A:SER:H	8	0.19
(1,287)	1:505:A:VAL:HG11	1:516:A:SER:H	9	0.19
(1,287)	1:505:A:VAL:HG12	1:516:A:SER:H	9	0.19
(1,287)	1:505:A:VAL:HG13	1:516:A:SER:H	9	0.19
(1,276)	1:513:A:ASP:HB3	1:514:A:ILE:H	4	0.19
(1,276)	1:513:A:ASP:HB3	1:514:A:ILE:H	5	0.19
(1,276)	1:513:A:ASP:HB3	1:514:A:ILE:H	15	0.19
(1,276)	1:513:A:ASP:HB3	1:514:A:ILE:H	20	0.19
(1,265)	1:515:A:SER:H	1:519:A:ILE:H	14	0.19
(1,255)	1:538:A:PRO:HB2	1:540:A:GLU:H	8	0.19
(1,183)	1:490:A:ARG:H	1:559:A:LEU:HA	8	0.19
(1,183)	1:490:A:ARG:H	1:559:A:LEU:HA	17	0.19
(1,148)	1:523:A:LYS:HG3	1:524:A:LEU:H	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,148)	1:523:A:LYS:HG3	1:524:A:LEU:H	15	0.19
(1,100)	1:495:A:ARG:H	1:525:A:PHE:H	18	0.19
(1,97)	1:525:A:PHE:H	1:530:A:THR:H	7	0.19
(1,32)	1:532:A:GLU:H	1:532:A:GLU:HB2	5	0.19
(1,32)	1:532:A:GLU:H	1:532:A:GLU:HB2	8	0.19
(1,17)	1:491:A:ILE:HG21	1:492:A:GLU:H	16	0.19
(1,17)	1:491:A:ILE:HG22	1:492:A:GLU:H	16	0.19
(1,17)	1:491:A:ILE:HG23	1:492:A:GLU:H	16	0.19
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD21	5	0.19
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD22	5	0.19
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD23	5	0.19
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD21	12	0.19
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD22	12	0.19
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD23	12	0.19
(1,1131)	1:549:A:ARG:HD2	1:550:A:ILE:H	20	0.18
(1,1131)	1:549:A:ARG:HD3	1:550:A:ILE:H	20	0.18
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG2	4	0.18
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG3	4	0.18
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG2	15	0.18
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG3	15	0.18
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB2	5	0.18
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB3	5	0.18
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG2	15	0.18
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG3	15	0.18
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD2	7	0.18
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD3	7	0.18
(1,885)	1:505:A:VAL:HA	1:508:A:ILE:HB	1	0.18
(1,885)	1:505:A:VAL:HA	1:508:A:ILE:HB	9	0.18
(1,885)	1:505:A:VAL:HA	1:508:A:ILE:HB	18	0.18
(1,857)	1:553:A:LYS:HA	1:554:A:PRO:HG2	14	0.18
(1,857)	1:553:A:LYS:HA	1:554:A:PRO:HG2	16	0.18
(1,857)	1:553:A:LYS:HA	1:554:A:PRO:HG2	19	0.18
(1,857)	1:553:A:LYS:HA	1:554:A:PRO:HG2	20	0.18
(1,829)	1:485:A:ASP:HB2	1:537:A:MET:HA	13	0.18
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD11	4	0.18
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD12	4	0.18
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD13	4	0.18
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD11	17	0.18
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD12	17	0.18
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD13	17	0.18
(1,775)	1:523:A:LYS:HG3	1:525:A:PHE:HA	10	0.18
(1,730)	1:524:A:LEU:HD11	1:525:A:PHE:HB2	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,730)	1:524:A:LEU:HD12	1:525:A:PHE:HB2	5	0.18
(1,730)	1:524:A:LEU:HD13	1:525:A:PHE:HB2	5	0.18
(1,730)	1:524:A:LEU:HD11	1:525:A:PHE:HB2	16	0.18
(1,730)	1:524:A:LEU:HD12	1:525:A:PHE:HB2	16	0.18
(1,730)	1:524:A:LEU:HD13	1:525:A:PHE:HB2	16	0.18
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB1	2	0.18
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB2	2	0.18
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB3	2	0.18
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB1	19	0.18
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB2	19	0.18
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB3	19	0.18
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG21	11	0.18
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG22	11	0.18
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG23	11	0.18
(1,666)	1:501:A:VAL:HG11	1:522:A:ILE:HG12	20	0.18
(1,666)	1:501:A:VAL:HG12	1:522:A:ILE:HG12	20	0.18
(1,666)	1:501:A:VAL:HG13	1:522:A:ILE:HG12	20	0.18
(1,662)	1:501:A:VAL:HG11	1:502:A:ARG:HA	5	0.18
(1,662)	1:501:A:VAL:HG12	1:502:A:ARG:HA	5	0.18
(1,662)	1:501:A:VAL:HG13	1:502:A:ARG:HA	5	0.18
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD21	5	0.18
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD22	5	0.18
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD23	5	0.18
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD21	5	0.18
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD22	5	0.18
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD23	5	0.18
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD21	5	0.18
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD22	5	0.18
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD23	5	0.18
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD21	18	0.18
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD22	18	0.18
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD23	18	0.18
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD21	18	0.18
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD22	18	0.18
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD23	18	0.18
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD21	18	0.18
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD22	18	0.18
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD23	18	0.18
(1,476)	1:526:A:ALA:HB1	1:527:A:SER:H	13	0.18
(1,476)	1:526:A:ALA:HB2	1:527:A:SER:H	13	0.18
(1,476)	1:526:A:ALA:HB3	1:527:A:SER:H	13	0.18
(1,472)	1:561:A:GLY:H	1:561:A:GLY:HA2	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,472)	1:561:A:GLY:H	1:561:A:GLY:HA2	19	0.18
(1,415)	1:524:A:LEU:HA	1:530:A:THR:H	4	0.18
(1,415)	1:524:A:LEU:HA	1:530:A:THR:H	6	0.18
(1,409)	1:501:A:VAL:HB	1:502:A:ARG:H	1	0.18
(1,409)	1:501:A:VAL:HB	1:502:A:ARG:H	14	0.18
(1,408)	1:500:A:GLU:HB3	1:502:A:ARG:H	1	0.18
(1,408)	1:500:A:GLU:HB3	1:502:A:ARG:H	2	0.18
(1,408)	1:500:A:GLU:HB3	1:502:A:ARG:H	3	0.18
(1,408)	1:500:A:GLU:HB3	1:502:A:ARG:H	4	0.18
(1,408)	1:500:A:GLU:HB3	1:502:A:ARG:H	6	0.18
(1,408)	1:500:A:GLU:HB3	1:502:A:ARG:H	9	0.18
(1,408)	1:500:A:GLU:HB3	1:502:A:ARG:H	10	0.18
(1,408)	1:500:A:GLU:HB3	1:502:A:ARG:H	12	0.18
(1,408)	1:500:A:GLU:HB3	1:502:A:ARG:H	14	0.18
(1,336)	1:518:A:TYR:H	1:519:A:ILE:H	1	0.18
(1,335)	1:515:A:SER:H	1:518:A:TYR:H	16	0.18
(1,335)	1:515:A:SER:H	1:518:A:TYR:H	17	0.18
(1,276)	1:513:A:ASP:HB3	1:514:A:ILE:H	10	0.18
(1,265)	1:515:A:SER:H	1:519:A:ILE:H	6	0.18
(1,265)	1:515:A:SER:H	1:519:A:ILE:H	8	0.18
(1,186)	1:489:A:TYR:HB2	1:490:A:ARG:H	6	0.18
(1,97)	1:525:A:PHE:H	1:530:A:THR:H	2	0.18
(1,49)	1:563:A:ALA:HB1	1:564:A:GLN:H	4	0.18
(1,49)	1:563:A:ALA:HB2	1:564:A:GLN:H	4	0.18
(1,49)	1:563:A:ALA:HB3	1:564:A:GLN:H	4	0.18
(1,43)	1:551:A:LEU:H	1:552:A:ASN:HB2	3	0.18
(1,32)	1:532:A:GLU:H	1:532:A:GLU:HB2	2	0.18
(1,32)	1:532:A:GLU:H	1:532:A:GLU:HB2	14	0.18
(1,32)	1:532:A:GLU:H	1:532:A:GLU:HB2	20	0.18
(1,4)	1:522:A:ILE:HB	1:523:A:LYS:H	11	0.18
(1,1131)	1:549:A:ARG:HD2	1:550:A:ILE:H	12	0.17
(1,1131)	1:549:A:ARG:HD3	1:550:A:ILE:H	12	0.17
(1,1131)	1:549:A:ARG:HD2	1:550:A:ILE:H	16	0.17
(1,1131)	1:549:A:ARG:HD3	1:550:A:ILE:H	16	0.17
(1,1131)	1:549:A:ARG:HD2	1:550:A:ILE:H	18	0.17
(1,1131)	1:549:A:ARG:HD3	1:550:A:ILE:H	18	0.17
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG2	10	0.17
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG3	10	0.17
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB2	17	0.17
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB3	17	0.17
(1,1082)	1:524:A:LEU:HD11	1:529:A:SER:HB2	14	0.17
(1,1082)	1:524:A:LEU:HD11	1:529:A:SER:HB3	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1082)	1:524:A:LEU:HD12	1:529:A:SER:HB2	14	0.17
(1,1082)	1:524:A:LEU:HD12	1:529:A:SER:HB3	14	0.17
(1,1082)	1:524:A:LEU:HD13	1:529:A:SER:HB2	14	0.17
(1,1082)	1:524:A:LEU:HD13	1:529:A:SER:HB3	14	0.17
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG2	3	0.17
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG3	3	0.17
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD2	10	0.17
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD3	10	0.17
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD2	19	0.17
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD3	19	0.17
(1,885)	1:505:A:VAL:HA	1:508:A:ILE:HB	4	0.17
(1,857)	1:553:A:LYS:HA	1:554:A:PRO:HG2	1	0.17
(1,857)	1:553:A:LYS:HA	1:554:A:PRO:HG2	2	0.17
(1,857)	1:553:A:LYS:HA	1:554:A:PRO:HG2	3	0.17
(1,857)	1:553:A:LYS:HA	1:554:A:PRO:HG2	4	0.17
(1,857)	1:553:A:LYS:HA	1:554:A:PRO:HG2	5	0.17
(1,857)	1:553:A:LYS:HA	1:554:A:PRO:HG2	6	0.17
(1,857)	1:553:A:LYS:HA	1:554:A:PRO:HG2	7	0.17
(1,857)	1:553:A:LYS:HA	1:554:A:PRO:HG2	8	0.17
(1,857)	1:553:A:LYS:HA	1:554:A:PRO:HG2	9	0.17
(1,857)	1:553:A:LYS:HA	1:554:A:PRO:HG2	10	0.17
(1,857)	1:553:A:LYS:HA	1:554:A:PRO:HG2	11	0.17
(1,857)	1:553:A:LYS:HA	1:554:A:PRO:HG2	12	0.17
(1,857)	1:553:A:LYS:HA	1:554:A:PRO:HG2	13	0.17
(1,857)	1:553:A:LYS:HA	1:554:A:PRO:HG2	15	0.17
(1,857)	1:553:A:LYS:HA	1:554:A:PRO:HG2	17	0.17
(1,857)	1:553:A:LYS:HA	1:554:A:PRO:HG2	18	0.17
(1,846)	1:549:A:ARG:HB2	1:550:A:ILE:HA	3	0.17
(1,834)	1:481:A:ALA:HB1	1:482:A:ASP:HA	5	0.17
(1,834)	1:481:A:ALA:HB2	1:482:A:ASP:HA	5	0.17
(1,834)	1:481:A:ALA:HB3	1:482:A:ASP:HA	5	0.17
(1,834)	1:481:A:ALA:HB1	1:482:A:ASP:HA	11	0.17
(1,834)	1:481:A:ALA:HB2	1:482:A:ASP:HA	11	0.17
(1,834)	1:481:A:ALA:HB3	1:482:A:ASP:HA	11	0.17
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD11	8	0.17
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD12	8	0.17
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD13	8	0.17
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB1	1	0.17
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB2	1	0.17
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB3	1	0.17
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB1	7	0.17
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB2	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB3	7	0.17
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB1	8	0.17
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB2	8	0.17
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB3	8	0.17
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG21	5	0.17
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG22	5	0.17
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG23	5	0.17
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG21	14	0.17
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG22	14	0.17
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG23	14	0.17
(1,666)	1:501:A:VAL:HG11	1:522:A:ILE:HG12	13	0.17
(1,666)	1:501:A:VAL:HG12	1:522:A:ILE:HG12	13	0.17
(1,666)	1:501:A:VAL:HG13	1:522:A:ILE:HG12	13	0.17
(1,662)	1:501:A:VAL:HG11	1:502:A:ARG:HA	9	0.17
(1,662)	1:501:A:VAL:HG12	1:502:A:ARG:HA	9	0.17
(1,662)	1:501:A:VAL:HG13	1:502:A:ARG:HA	9	0.17
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD21	9	0.17
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD22	9	0.17
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD23	9	0.17
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD21	9	0.17
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD22	9	0.17
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD23	9	0.17
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD21	9	0.17
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD22	9	0.17
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD23	9	0.17
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD21	16	0.17
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD22	16	0.17
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD23	16	0.17
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD21	16	0.17
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD22	16	0.17
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD23	16	0.17
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD21	16	0.17
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD22	16	0.17
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD23	16	0.17
(1,556)	1:508:A:ILE:HD11	1:514:A:ILE:HG12	10	0.17
(1,556)	1:508:A:ILE:HD12	1:514:A:ILE:HG12	10	0.17
(1,556)	1:508:A:ILE:HD13	1:514:A:ILE:HG12	10	0.17
(1,478)	1:560:A:LEU:HD11	1:561:A:GLY:H	6	0.17
(1,478)	1:560:A:LEU:HD12	1:561:A:GLY:H	6	0.17
(1,478)	1:560:A:LEU:HD13	1:561:A:GLY:H	6	0.17
(1,476)	1:526:A:ALA:HB1	1:527:A:SER:H	5	0.17
(1,476)	1:526:A:ALA:HB2	1:527:A:SER:H	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,476)	1:526:A:ALA:HB3	1:527:A:SER:H	5	0.17
(1,472)	1:561:A:GLY:H	1:561:A:GLY:HA2	15	0.17
(1,450)	1:485:A:ASP:H	1:536:A:GLY:H	7	0.17
(1,440)	1:484:A:GLY:H	1:537:A:MET:H	4	0.17
(1,429)	1:545:A:PHE:HB3	1:546:A:THR:H	2	0.17
(1,429)	1:545:A:PHE:HB3	1:546:A:THR:H	5	0.17
(1,429)	1:545:A:PHE:HB3	1:546:A:THR:H	15	0.17
(1,429)	1:545:A:PHE:HB3	1:546:A:THR:H	16	0.17
(1,429)	1:545:A:PHE:HB3	1:546:A:THR:H	18	0.17
(1,409)	1:501:A:VAL:HB	1:502:A:ARG:H	6	0.17
(1,409)	1:501:A:VAL:HB	1:502:A:ARG:H	9	0.17
(1,409)	1:501:A:VAL:HB	1:502:A:ARG:H	10	0.17
(1,409)	1:501:A:VAL:HB	1:502:A:ARG:H	12	0.17
(1,359)	1:543:A:GLN:H	1:545:A:PHE:H	7	0.17
(1,336)	1:518:A:TYR:H	1:519:A:ILE:H	4	0.17
(1,336)	1:518:A:TYR:H	1:519:A:ILE:H	10	0.17
(1,336)	1:518:A:TYR:H	1:519:A:ILE:H	12	0.17
(1,335)	1:515:A:SER:H	1:518:A:TYR:H	12	0.17
(1,335)	1:515:A:SER:H	1:518:A:TYR:H	19	0.17
(1,299)	1:547:A:ARG:HA	1:548:A:THR:H	14	0.17
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD11	10	0.17
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD12	10	0.17
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD13	10	0.17
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD11	16	0.17
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD12	16	0.17
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD13	16	0.17
(1,276)	1:513:A:ASP:HB3	1:514:A:ILE:H	3	0.17
(1,276)	1:513:A:ASP:HB3	1:514:A:ILE:H	8	0.17
(1,276)	1:513:A:ASP:HB3	1:514:A:ILE:H	11	0.17
(1,255)	1:538:A:PRO:HB2	1:540:A:GLU:H	6	0.17
(1,169)	1:483:A:VAL:HG11	1:537:A:MET:H	7	0.17
(1,169)	1:483:A:VAL:HG12	1:537:A:MET:H	7	0.17
(1,169)	1:483:A:VAL:HG13	1:537:A:MET:H	7	0.17
(1,169)	1:483:A:VAL:HG11	1:537:A:MET:H	9	0.17
(1,169)	1:483:A:VAL:HG12	1:537:A:MET:H	9	0.17
(1,169)	1:483:A:VAL:HG13	1:537:A:MET:H	9	0.17
(1,169)	1:483:A:VAL:HG11	1:537:A:MET:H	13	0.17
(1,169)	1:483:A:VAL:HG12	1:537:A:MET:H	13	0.17
(1,169)	1:483:A:VAL:HG13	1:537:A:MET:H	13	0.17
(1,144)	1:523:A:LYS:HE2	1:524:A:LEU:H	7	0.17
(1,144)	1:523:A:LYS:HE3	1:524:A:LEU:H	7	0.17
(1,111)	1:500:A:GLU:HA	1:501:A:VAL:H	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:562:A:ASP:HB2	1:563:A:ALA:H	7	0.17
(1,88)	1:562:A:ASP:HB3	1:563:A:ALA:H	7	0.17
(1,71)	1:488:A:LEU:HD11	1:489:A:TYR:H	4	0.17
(1,71)	1:488:A:LEU:HD12	1:489:A:TYR:H	4	0.17
(1,71)	1:488:A:LEU:HD13	1:489:A:TYR:H	4	0.17
(1,32)	1:532:A:GLU:H	1:532:A:GLU:HB2	10	0.17
(1,32)	1:532:A:GLU:H	1:532:A:GLU:HB2	16	0.17
(1,32)	1:532:A:GLU:H	1:532:A:GLU:HB2	17	0.17
(1,32)	1:532:A:GLU:H	1:532:A:GLU:HB2	19	0.17
(1,4)	1:522:A:ILE:HB	1:523:A:LYS:H	4	0.17
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB2	10	0.16
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB3	10	0.16
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB2	12	0.16
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB3	12	0.16
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG2	8	0.16
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG3	8	0.16
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD2	18	0.16
(1,1033)	1:502:A:ARG:H	1:502:A:ARG:HD3	18	0.16
(1,885)	1:505:A:VAL:HA	1:508:A:ILE:HB	2	0.16
(1,834)	1:481:A:ALA:HB1	1:482:A:ASP:HA	4	0.16
(1,834)	1:481:A:ALA:HB2	1:482:A:ASP:HA	4	0.16
(1,834)	1:481:A:ALA:HB3	1:482:A:ASP:HA	4	0.16
(1,834)	1:481:A:ALA:HB1	1:482:A:ASP:HA	6	0.16
(1,834)	1:481:A:ALA:HB2	1:482:A:ASP:HA	6	0.16
(1,834)	1:481:A:ALA:HB3	1:482:A:ASP:HA	6	0.16
(1,829)	1:485:A:ASP:HB2	1:537:A:MET:HA	12	0.16
(1,773)	1:526:A:ALA:HB1	1:527:A:SER:HA	4	0.16
(1,773)	1:526:A:ALA:HB2	1:527:A:SER:HA	4	0.16
(1,773)	1:526:A:ALA:HB3	1:527:A:SER:HA	4	0.16
(1,730)	1:524:A:LEU:HD11	1:525:A:PHE:HB2	12	0.16
(1,730)	1:524:A:LEU:HD12	1:525:A:PHE:HB2	12	0.16
(1,730)	1:524:A:LEU:HD13	1:525:A:PHE:HB2	12	0.16
(1,728)	1:501:A:VAL:HG21	1:522:A:ILE:HG21	7	0.16
(1,728)	1:501:A:VAL:HG21	1:522:A:ILE:HG22	7	0.16
(1,728)	1:501:A:VAL:HG21	1:522:A:ILE:HG23	7	0.16
(1,728)	1:501:A:VAL:HG22	1:522:A:ILE:HG21	7	0.16
(1,728)	1:501:A:VAL:HG22	1:522:A:ILE:HG22	7	0.16
(1,728)	1:501:A:VAL:HG22	1:522:A:ILE:HG23	7	0.16
(1,728)	1:501:A:VAL:HG23	1:522:A:ILE:HG21	7	0.16
(1,728)	1:501:A:VAL:HG23	1:522:A:ILE:HG22	7	0.16
(1,728)	1:501:A:VAL:HG23	1:522:A:ILE:HG23	7	0.16
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB1	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB2	15	0.16
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB3	15	0.16
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG21	12	0.16
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG22	12	0.16
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG23	12	0.16
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG21	9	0.16
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG22	9	0.16
(1,667)	1:523:A:LYS:HG2	1:530:A:THR:HG23	9	0.16
(1,666)	1:501:A:VAL:HG11	1:522:A:ILE:HG12	9	0.16
(1,666)	1:501:A:VAL:HG12	1:522:A:ILE:HG12	9	0.16
(1,666)	1:501:A:VAL:HG13	1:522:A:ILE:HG12	9	0.16
(1,601)	1:520:A:GLY:HA3	1:532:A:GLU:HG2	3	0.16
(1,601)	1:520:A:GLY:HA3	1:532:A:GLU:HG2	6	0.16
(1,581)	1:519:A:ILE:HG21	1:533:A:LEU:HD21	7	0.16
(1,581)	1:519:A:ILE:HG21	1:533:A:LEU:HD22	7	0.16
(1,581)	1:519:A:ILE:HG21	1:533:A:LEU:HD23	7	0.16
(1,581)	1:519:A:ILE:HG22	1:533:A:LEU:HD21	7	0.16
(1,581)	1:519:A:ILE:HG22	1:533:A:LEU:HD22	7	0.16
(1,581)	1:519:A:ILE:HG22	1:533:A:LEU:HD23	7	0.16
(1,581)	1:519:A:ILE:HG23	1:533:A:LEU:HD21	7	0.16
(1,581)	1:519:A:ILE:HG23	1:533:A:LEU:HD22	7	0.16
(1,581)	1:519:A:ILE:HG23	1:533:A:LEU:HD23	7	0.16
(1,556)	1:508:A:ILE:HD11	1:514:A:ILE:HG12	4	0.16
(1,556)	1:508:A:ILE:HD12	1:514:A:ILE:HG12	4	0.16
(1,556)	1:508:A:ILE:HD13	1:514:A:ILE:HG12	4	0.16
(1,472)	1:561:A:GLY:H	1:561:A:GLY:HA2	7	0.16
(1,449)	1:483:A:VAL:HG11	1:536:A:GLY:H	3	0.16
(1,449)	1:483:A:VAL:HG12	1:536:A:GLY:H	3	0.16
(1,449)	1:483:A:VAL:HG13	1:536:A:GLY:H	3	0.16
(1,440)	1:484:A:GLY:H	1:537:A:MET:H	7	0.16
(1,440)	1:484:A:GLY:H	1:537:A:MET:H	14	0.16
(1,440)	1:484:A:GLY:H	1:537:A:MET:H	16	0.16
(1,440)	1:484:A:GLY:H	1:537:A:MET:H	17	0.16
(1,429)	1:545:A:PHE:HB3	1:546:A:THR:H	4	0.16
(1,429)	1:545:A:PHE:HB3	1:546:A:THR:H	8	0.16
(1,429)	1:545:A:PHE:HB3	1:546:A:THR:H	9	0.16
(1,429)	1:545:A:PHE:HB3	1:546:A:THR:H	10	0.16
(1,429)	1:545:A:PHE:HB3	1:546:A:THR:H	11	0.16
(1,429)	1:545:A:PHE:HB3	1:546:A:THR:H	13	0.16
(1,429)	1:545:A:PHE:HB3	1:546:A:THR:H	19	0.16
(1,429)	1:545:A:PHE:HB3	1:546:A:THR:H	20	0.16
(1,415)	1:524:A:LEU:HA	1:530:A:THR:H	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:501:A:VAL:HB	1:502:A:ARG:H	2	0.16
(1,409)	1:501:A:VAL:HB	1:502:A:ARG:H	3	0.16
(1,409)	1:501:A:VAL:HB	1:502:A:ARG:H	4	0.16
(1,397)	1:556:A:ASN:H	1:556:A:ASN:HB2	5	0.16
(1,359)	1:543:A:GLN:H	1:545:A:PHE:H	11	0.16
(1,359)	1:543:A:GLN:H	1:545:A:PHE:H	16	0.16
(1,336)	1:518:A:TYR:H	1:519:A:ILE:H	2	0.16
(1,336)	1:518:A:TYR:H	1:519:A:ILE:H	9	0.16
(1,336)	1:518:A:TYR:H	1:519:A:ILE:H	13	0.16
(1,335)	1:515:A:SER:H	1:518:A:TYR:H	8	0.16
(1,287)	1:505:A:VAL:HG11	1:516:A:SER:H	19	0.16
(1,287)	1:505:A:VAL:HG12	1:516:A:SER:H	19	0.16
(1,287)	1:505:A:VAL:HG13	1:516:A:SER:H	19	0.16
(1,276)	1:513:A:ASP:HB3	1:514:A:ILE:H	7	0.16
(1,183)	1:490:A:ARG:H	1:559:A:LEU:HA	3	0.16
(1,169)	1:483:A:VAL:HG11	1:537:A:MET:H	4	0.16
(1,169)	1:483:A:VAL:HG12	1:537:A:MET:H	4	0.16
(1,169)	1:483:A:VAL:HG13	1:537:A:MET:H	4	0.16
(1,97)	1:525:A:PHE:H	1:530:A:THR:H	4	0.16
(1,97)	1:525:A:PHE:H	1:530:A:THR:H	6	0.16
(1,88)	1:562:A:ASP:HB2	1:563:A:ALA:H	4	0.16
(1,88)	1:562:A:ASP:HB3	1:563:A:ALA:H	4	0.16
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD21	3	0.16
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD22	3	0.16
(1,74)	1:489:A:TYR:H	1:560:A:LEU:HD23	3	0.16
(1,71)	1:488:A:LEU:HD11	1:489:A:TYR:H	6	0.16
(1,71)	1:488:A:LEU:HD12	1:489:A:TYR:H	6	0.16
(1,71)	1:488:A:LEU:HD13	1:489:A:TYR:H	6	0.16
(1,32)	1:532:A:GLU:H	1:532:A:GLU:HB2	1	0.16
(1,32)	1:532:A:GLU:H	1:532:A:GLU:HB2	9	0.16
(1,22)	1:521:A:ASN:H	1:532:A:GLU:H	15	0.16
(1,17)	1:491:A:ILE:HG21	1:492:A:GLU:H	14	0.16
(1,17)	1:491:A:ILE:HG22	1:492:A:GLU:H	14	0.16
(1,17)	1:491:A:ILE:HG23	1:492:A:GLU:H	14	0.16
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD21	4	0.16
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD22	4	0.16
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD23	4	0.16
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG2	13	0.15
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG3	13	0.15
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG2	16	0.15
(1,1115)	1:543:A:GLN:H	1:543:A:GLN:HG3	16	0.15
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB2	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB3	13	0.15
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG2	6	0.15
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG3	6	0.15
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG2	11	0.15
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG3	11	0.15
(1,846)	1:549:A:ARG:HB2	1:550:A:ILE:HA	6	0.15
(1,834)	1:481:A:ALA:HB1	1:482:A:ASP:HA	2	0.15
(1,834)	1:481:A:ALA:HB2	1:482:A:ASP:HA	2	0.15
(1,834)	1:481:A:ALA:HB3	1:482:A:ASP:HA	2	0.15
(1,834)	1:481:A:ALA:HB1	1:482:A:ASP:HA	10	0.15
(1,834)	1:481:A:ALA:HB2	1:482:A:ASP:HA	10	0.15
(1,834)	1:481:A:ALA:HB3	1:482:A:ASP:HA	10	0.15
(1,834)	1:481:A:ALA:HB1	1:482:A:ASP:HA	14	0.15
(1,834)	1:481:A:ALA:HB2	1:482:A:ASP:HA	14	0.15
(1,834)	1:481:A:ALA:HB3	1:482:A:ASP:HA	14	0.15
(1,834)	1:481:A:ALA:HB1	1:482:A:ASP:HA	17	0.15
(1,834)	1:481:A:ALA:HB2	1:482:A:ASP:HA	17	0.15
(1,834)	1:481:A:ALA:HB3	1:482:A:ASP:HA	17	0.15
(1,834)	1:481:A:ALA:HB1	1:482:A:ASP:HA	19	0.15
(1,834)	1:481:A:ALA:HB2	1:482:A:ASP:HA	19	0.15
(1,834)	1:481:A:ALA:HB3	1:482:A:ASP:HA	19	0.15
(1,829)	1:485:A:ASP:HB2	1:537:A:MET:HA	7	0.15
(1,829)	1:485:A:ASP:HB2	1:537:A:MET:HA	18	0.15
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD21	14	0.15
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD22	14	0.15
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD23	14	0.15
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD21	14	0.15
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD22	14	0.15
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD23	14	0.15
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD21	14	0.15
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD22	14	0.15
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD23	14	0.15
(1,773)	1:526:A:ALA:HB1	1:527:A:SER:HA	2	0.15
(1,773)	1:526:A:ALA:HB2	1:527:A:SER:HA	2	0.15
(1,773)	1:526:A:ALA:HB3	1:527:A:SER:HA	2	0.15
(1,773)	1:526:A:ALA:HB1	1:527:A:SER:HA	7	0.15
(1,773)	1:526:A:ALA:HB2	1:527:A:SER:HA	7	0.15
(1,773)	1:526:A:ALA:HB3	1:527:A:SER:HA	7	0.15
(1,728)	1:501:A:VAL:HG21	1:522:A:ILE:HG21	14	0.15
(1,728)	1:501:A:VAL:HG21	1:522:A:ILE:HG22	14	0.15
(1,728)	1:501:A:VAL:HG21	1:522:A:ILE:HG23	14	0.15
(1,728)	1:501:A:VAL:HG22	1:522:A:ILE:HG21	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,728)	1:501:A:VAL:HG22	1:522:A:ILE:HG22	14	0.15
(1,728)	1:501:A:VAL:HG22	1:522:A:ILE:HG23	14	0.15
(1,728)	1:501:A:VAL:HG23	1:522:A:ILE:HG21	14	0.15
(1,728)	1:501:A:VAL:HG23	1:522:A:ILE:HG22	14	0.15
(1,728)	1:501:A:VAL:HG23	1:522:A:ILE:HG23	14	0.15
(1,728)	1:501:A:VAL:HG21	1:522:A:ILE:HG21	19	0.15
(1,728)	1:501:A:VAL:HG21	1:522:A:ILE:HG22	19	0.15
(1,728)	1:501:A:VAL:HG21	1:522:A:ILE:HG23	19	0.15
(1,728)	1:501:A:VAL:HG22	1:522:A:ILE:HG21	19	0.15
(1,728)	1:501:A:VAL:HG22	1:522:A:ILE:HG22	19	0.15
(1,728)	1:501:A:VAL:HG22	1:522:A:ILE:HG23	19	0.15
(1,728)	1:501:A:VAL:HG23	1:522:A:ILE:HG21	19	0.15
(1,728)	1:501:A:VAL:HG23	1:522:A:ILE:HG22	19	0.15
(1,728)	1:501:A:VAL:HG23	1:522:A:ILE:HG23	19	0.15
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB1	13	0.15
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB2	13	0.15
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB3	13	0.15
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB1	17	0.15
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB2	17	0.15
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB3	17	0.15
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB1	20	0.15
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB2	20	0.15
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB3	20	0.15
(1,657)	1:501:A:VAL:HG11	1:504:A:ILE:HG12	7	0.15
(1,657)	1:501:A:VAL:HG12	1:504:A:ILE:HG12	7	0.15
(1,657)	1:501:A:VAL:HG13	1:504:A:ILE:HG12	7	0.15
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD21	1	0.15
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD22	1	0.15
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD23	1	0.15
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD21	1	0.15
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD22	1	0.15
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD23	1	0.15
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD21	1	0.15
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD22	1	0.15
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD23	1	0.15
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD21	19	0.15
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD22	19	0.15
(1,590)	1:504:A:ILE:HD11	1:524:A:LEU:HD23	19	0.15
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD21	19	0.15
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD22	19	0.15
(1,590)	1:504:A:ILE:HD12	1:524:A:LEU:HD23	19	0.15
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD21	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD22	19	0.15
(1,590)	1:504:A:ILE:HD13	1:524:A:LEU:HD23	19	0.15
(1,581)	1:519:A:ILE:HG21	1:533:A:LEU:HD21	1	0.15
(1,581)	1:519:A:ILE:HG21	1:533:A:LEU:HD22	1	0.15
(1,581)	1:519:A:ILE:HG21	1:533:A:LEU:HD23	1	0.15
(1,581)	1:519:A:ILE:HG22	1:533:A:LEU:HD21	1	0.15
(1,581)	1:519:A:ILE:HG22	1:533:A:LEU:HD22	1	0.15
(1,581)	1:519:A:ILE:HG22	1:533:A:LEU:HD23	1	0.15
(1,581)	1:519:A:ILE:HG23	1:533:A:LEU:HD21	1	0.15
(1,581)	1:519:A:ILE:HG23	1:533:A:LEU:HD22	1	0.15
(1,581)	1:519:A:ILE:HG23	1:533:A:LEU:HD23	1	0.15
(1,556)	1:508:A:ILE:HD11	1:514:A:ILE:HG12	2	0.15
(1,556)	1:508:A:ILE:HD12	1:514:A:ILE:HG12	2	0.15
(1,556)	1:508:A:ILE:HD13	1:514:A:ILE:HG12	2	0.15
(1,556)	1:508:A:ILE:HD11	1:514:A:ILE:HG12	5	0.15
(1,556)	1:508:A:ILE:HD12	1:514:A:ILE:HG12	5	0.15
(1,556)	1:508:A:ILE:HD13	1:514:A:ILE:HG12	5	0.15
(1,556)	1:508:A:ILE:HD11	1:514:A:ILE:HG12	16	0.15
(1,556)	1:508:A:ILE:HD12	1:514:A:ILE:HG12	16	0.15
(1,556)	1:508:A:ILE:HD13	1:514:A:ILE:HG12	16	0.15
(1,440)	1:484:A:GLY:H	1:537:A:MET:H	2	0.15
(1,430)	1:528:A:HIS:HB2	1:529:A:SER:H	8	0.15
(1,429)	1:545:A:PHE:HB3	1:546:A:THR:H	3	0.15
(1,429)	1:545:A:PHE:HB3	1:546:A:THR:H	6	0.15
(1,427)	1:545:A:PHE:HB2	1:546:A:THR:H	3	0.15
(1,427)	1:545:A:PHE:HB2	1:546:A:THR:H	4	0.15
(1,427)	1:545:A:PHE:HB2	1:546:A:THR:H	6	0.15
(1,427)	1:545:A:PHE:HB2	1:546:A:THR:H	9	0.15
(1,427)	1:545:A:PHE:HB2	1:546:A:THR:H	11	0.15
(1,427)	1:545:A:PHE:HB2	1:546:A:THR:H	13	0.15
(1,427)	1:545:A:PHE:HB2	1:546:A:THR:H	19	0.15
(1,427)	1:545:A:PHE:HB2	1:546:A:THR:H	20	0.15
(1,409)	1:501:A:VAL:HB	1:502:A:ARG:H	5	0.15
(1,409)	1:501:A:VAL:HB	1:502:A:ARG:H	8	0.15
(1,409)	1:501:A:VAL:HB	1:502:A:ARG:H	11	0.15
(1,409)	1:501:A:VAL:HB	1:502:A:ARG:H	20	0.15
(1,397)	1:556:A:ASN:H	1:556:A:ASN:HB2	4	0.15
(1,397)	1:556:A:ASN:H	1:556:A:ASN:HB2	20	0.15
(1,359)	1:543:A:GLN:H	1:545:A:PHE:H	8	0.15
(1,359)	1:543:A:GLN:H	1:545:A:PHE:H	14	0.15
(1,335)	1:515:A:SER:H	1:518:A:TYR:H	3	0.15
(1,335)	1:515:A:SER:H	1:518:A:TYR:H	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,335)	1:515:A:SER:H	1:518:A:TYR:H	11	0.15
(1,294)	1:542:A:LEU:H	1:544:A:HIS:H	19	0.15
(1,276)	1:513:A:ASP:HB3	1:514:A:ILE:H	9	0.15
(1,200)	1:550:A:ILE:H	1:555:A:MET:H	7	0.15
(1,183)	1:490:A:ARG:H	1:559:A:LEU:HA	10	0.15
(1,159)	1:496:A:ASP:H	1:528:A:HIS:H	18	0.15
(1,111)	1:500:A:GLU:HA	1:501:A:VAL:H	10	0.15
(1,111)	1:500:A:GLU:HA	1:501:A:VAL:H	19	0.15
(1,111)	1:500:A:GLU:HA	1:501:A:VAL:H	20	0.15
(1,105)	1:525:A:PHE:H	1:529:A:SER:HA	11	0.15
(1,97)	1:525:A:PHE:H	1:530:A:THR:H	19	0.15
(1,88)	1:562:A:ASP:HB2	1:563:A:ALA:H	15	0.15
(1,88)	1:562:A:ASP:HB3	1:563:A:ALA:H	15	0.15
(1,71)	1:488:A:LEU:HD11	1:489:A:TYR:H	7	0.15
(1,71)	1:488:A:LEU:HD12	1:489:A:TYR:H	7	0.15
(1,71)	1:488:A:LEU:HD13	1:489:A:TYR:H	7	0.15
(1,70)	1:488:A:LEU:HB3	1:489:A:TYR:H	1	0.15
(1,32)	1:532:A:GLU:H	1:532:A:GLU:HB2	7	0.15
(1,32)	1:532:A:GLU:H	1:532:A:GLU:HB2	15	0.15
(1,32)	1:532:A:GLU:H	1:532:A:GLU:HB2	18	0.15
(1,17)	1:491:A:ILE:HG21	1:492:A:GLU:H	15	0.15
(1,17)	1:491:A:ILE:HG22	1:492:A:GLU:H	15	0.15
(1,17)	1:491:A:ILE:HG23	1:492:A:GLU:H	15	0.15
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD21	15	0.15
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD22	15	0.15
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD23	15	0.15
(1,4)	1:522:A:ILE:HB	1:523:A:LYS:H	6	0.15
(1,4)	1:522:A:ILE:HB	1:523:A:LYS:H	17	0.15
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB2	1	0.14
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB3	1	0.14
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB2	9	0.14
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB3	9	0.14
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD11	7	0.14
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD12	7	0.14
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD13	7	0.14
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD21	7	0.14
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD22	7	0.14
(1,1073)	1:520:A:GLY:H	1:533:A:LEU:HD23	7	0.14
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG2	4	0.14
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG3	4	0.14
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG2	9	0.14
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG3	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG2	13	0.14
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG3	13	0.14
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD21	2	0.14
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD22	2	0.14
(1,974)	1:490:A:ARG:HD2	1:560:A:LEU:HD23	2	0.14
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD21	2	0.14
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD22	2	0.14
(1,974)	1:490:A:ARG:HD3	1:560:A:LEU:HD23	2	0.14
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG2	9	0.14
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG2	9	0.14
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG3	9	0.14
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG3	9	0.14
(1,885)	1:505:A:VAL:HA	1:508:A:ILE:HB	6	0.14
(1,885)	1:505:A:VAL:HA	1:508:A:ILE:HB	16	0.14
(1,858)	1:549:A:ARG:HB3	1:553:A:LYS:HA	2	0.14
(1,858)	1:549:A:ARG:HB3	1:553:A:LYS:HA	9	0.14
(1,858)	1:549:A:ARG:HB3	1:553:A:LYS:HA	13	0.14
(1,855)	1:514:A:ILE:HD11	1:534:A:PRO:HD3	19	0.14
(1,855)	1:514:A:ILE:HD12	1:534:A:PRO:HD3	19	0.14
(1,855)	1:514:A:ILE:HD13	1:534:A:PRO:HD3	19	0.14
(1,834)	1:481:A:ALA:HB1	1:482:A:ASP:HA	8	0.14
(1,834)	1:481:A:ALA:HB2	1:482:A:ASP:HA	8	0.14
(1,834)	1:481:A:ALA:HB3	1:482:A:ASP:HA	8	0.14
(1,834)	1:481:A:ALA:HB1	1:482:A:ASP:HA	9	0.14
(1,834)	1:481:A:ALA:HB2	1:482:A:ASP:HA	9	0.14
(1,834)	1:481:A:ALA:HB3	1:482:A:ASP:HA	9	0.14
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD11	16	0.14
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD12	16	0.14
(1,810)	1:508:A:ILE:HG12	1:519:A:ILE:HD13	16	0.14
(1,713)	1:491:A:ILE:HG21	1:555:A:MET:HB3	14	0.14
(1,713)	1:491:A:ILE:HG22	1:555:A:MET:HB3	14	0.14
(1,713)	1:491:A:ILE:HG23	1:555:A:MET:HB3	14	0.14
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG21	9	0.14
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG22	9	0.14
(1,673)	1:523:A:LYS:HG3	1:530:A:THR:HG23	9	0.14
(1,669)	1:505:A:VAL:HG11	1:519:A:ILE:H	11	0.14
(1,669)	1:505:A:VAL:HG12	1:519:A:ILE:H	11	0.14
(1,669)	1:505:A:VAL:HG13	1:519:A:ILE:H	11	0.14
(1,564)	1:490:A:ARG:HB2	1:491:A:ILE:HG13	10	0.14
(1,556)	1:508:A:ILE:HD11	1:514:A:ILE:HG12	17	0.14
(1,556)	1:508:A:ILE:HD12	1:514:A:ILE:HG12	17	0.14
(1,556)	1:508:A:ILE:HD13	1:514:A:ILE:HG12	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD11	7	0.14
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD12	7	0.14
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD13	7	0.14
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD11	7	0.14
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD12	7	0.14
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD13	7	0.14
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD11	7	0.14
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD12	7	0.14
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD13	7	0.14
(1,476)	1:526:A:ALA:HB1	1:527:A:SER:H	3	0.14
(1,476)	1:526:A:ALA:HB2	1:527:A:SER:H	3	0.14
(1,476)	1:526:A:ALA:HB3	1:527:A:SER:H	3	0.14
(1,450)	1:485:A:ASP:H	1:536:A:GLY:H	1	0.14
(1,450)	1:485:A:ASP:H	1:536:A:GLY:H	13	0.14
(1,450)	1:485:A:ASP:H	1:536:A:GLY:H	14	0.14
(1,440)	1:484:A:GLY:H	1:537:A:MET:H	8	0.14
(1,440)	1:484:A:GLY:H	1:537:A:MET:H	10	0.14
(1,440)	1:484:A:GLY:H	1:537:A:MET:H	13	0.14
(1,440)	1:484:A:GLY:H	1:537:A:MET:H	18	0.14
(1,430)	1:528:A:HIS:HB2	1:529:A:SER:H	9	0.14
(1,430)	1:528:A:HIS:HB2	1:529:A:SER:H	17	0.14
(1,427)	1:545:A:PHE:HB2	1:546:A:THR:H	2	0.14
(1,427)	1:545:A:PHE:HB2	1:546:A:THR:H	5	0.14
(1,427)	1:545:A:PHE:HB2	1:546:A:THR:H	8	0.14
(1,427)	1:545:A:PHE:HB2	1:546:A:THR:H	10	0.14
(1,427)	1:545:A:PHE:HB2	1:546:A:THR:H	15	0.14
(1,427)	1:545:A:PHE:HB2	1:546:A:THR:H	16	0.14
(1,427)	1:545:A:PHE:HB2	1:546:A:THR:H	18	0.14
(1,415)	1:524:A:LEU:HA	1:530:A:THR:H	2	0.14
(1,409)	1:501:A:VAL:HB	1:502:A:ARG:H	13	0.14
(1,409)	1:501:A:VAL:HB	1:502:A:ARG:H	19	0.14
(1,397)	1:556:A:ASN:H	1:556:A:ASN:HB2	9	0.14
(1,371)	1:505:A:VAL:HA	1:508:A:ILE:H	8	0.14
(1,359)	1:543:A:GLN:H	1:545:A:PHE:H	9	0.14
(1,336)	1:518:A:TYR:H	1:519:A:ILE:H	6	0.14
(1,335)	1:515:A:SER:H	1:518:A:TYR:H	20	0.14
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD11	2	0.14
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD12	2	0.14
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD13	2	0.14
(1,265)	1:515:A:SER:H	1:519:A:ILE:H	4	0.14
(1,265)	1:515:A:SER:H	1:519:A:ILE:H	17	0.14
(1,239)	1:517:A:ARG:H	1:517:A:ARG:HB3	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,239)	1:517:A:ARG:H	1:517:A:ARG:HB3	10	0.14
(1,183)	1:490:A:ARG:H	1:559:A:LEU:HA	2	0.14
(1,169)	1:483:A:VAL:HG11	1:537:A:MET:H	6	0.14
(1,169)	1:483:A:VAL:HG12	1:537:A:MET:H	6	0.14
(1,169)	1:483:A:VAL:HG13	1:537:A:MET:H	6	0.14
(1,159)	1:496:A:ASP:H	1:528:A:HIS:H	10	0.14
(1,146)	1:524:A:LEU:H	1:524:A:LEU:HB2	2	0.14
(1,146)	1:524:A:LEU:H	1:524:A:LEU:HB2	4	0.14
(1,146)	1:524:A:LEU:H	1:524:A:LEU:HB2	15	0.14
(1,111)	1:500:A:GLU:HA	1:501:A:VAL:H	1	0.14
(1,111)	1:500:A:GLU:HA	1:501:A:VAL:H	2	0.14
(1,111)	1:500:A:GLU:HA	1:501:A:VAL:H	3	0.14
(1,111)	1:500:A:GLU:HA	1:501:A:VAL:H	4	0.14
(1,111)	1:500:A:GLU:HA	1:501:A:VAL:H	6	0.14
(1,111)	1:500:A:GLU:HA	1:501:A:VAL:H	8	0.14
(1,111)	1:500:A:GLU:HA	1:501:A:VAL:H	9	0.14
(1,111)	1:500:A:GLU:HA	1:501:A:VAL:H	11	0.14
(1,111)	1:500:A:GLU:HA	1:501:A:VAL:H	12	0.14
(1,111)	1:500:A:GLU:HA	1:501:A:VAL:H	13	0.14
(1,111)	1:500:A:GLU:HA	1:501:A:VAL:H	18	0.14
(1,97)	1:525:A:PHE:H	1:530:A:THR:H	15	0.14
(1,97)	1:525:A:PHE:H	1:530:A:THR:H	20	0.14
(1,43)	1:551:A:LEU:H	1:552:A:ASN:HB2	5	0.14
(1,22)	1:521:A:ASN:H	1:532:A:GLU:H	5	0.14
(1,22)	1:521:A:ASN:H	1:532:A:GLU:H	16	0.14
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD21	7	0.14
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD22	7	0.14
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD23	7	0.14
(1,4)	1:522:A:ILE:HB	1:523:A:LYS:H	3	0.14
(1,4)	1:522:A:ILE:HB	1:523:A:LYS:H	10	0.14
(1,4)	1:522:A:ILE:HB	1:523:A:LYS:H	19	0.14
(1,1129)	1:549:A:ARG:HG2	1:553:A:LYS:HA	1	0.13
(1,1129)	1:549:A:ARG:HG3	1:553:A:LYS:HA	1	0.13
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB2	16	0.13
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB3	16	0.13
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB2	19	0.13
(1,1083)	1:525:A:PHE:H	1:529:A:SER:HB3	19	0.13
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG2	5	0.13
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG2	5	0.13
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG3	5	0.13
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG3	5	0.13
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG2	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG2	17	0.13
(1,944)	1:486:A:MET:HB2	1:532:A:GLU:HG3	17	0.13
(1,944)	1:486:A:MET:HB3	1:532:A:GLU:HG3	17	0.13
(1,938)	1:485:A:ASP:HA	1:486:A:MET:HB2	18	0.13
(1,938)	1:485:A:ASP:HA	1:486:A:MET:HB3	18	0.13
(1,846)	1:549:A:ARG:HB2	1:550:A:ILE:HA	7	0.13
(1,846)	1:549:A:ARG:HB2	1:550:A:ILE:HA	9	0.13
(1,834)	1:481:A:ALA:HB1	1:482:A:ASP:HA	15	0.13
(1,834)	1:481:A:ALA:HB2	1:482:A:ASP:HA	15	0.13
(1,834)	1:481:A:ALA:HB3	1:482:A:ASP:HA	15	0.13
(1,834)	1:481:A:ALA:HB1	1:482:A:ASP:HA	16	0.13
(1,834)	1:481:A:ALA:HB2	1:482:A:ASP:HA	16	0.13
(1,834)	1:481:A:ALA:HB3	1:482:A:ASP:HA	16	0.13
(1,834)	1:481:A:ALA:HB1	1:482:A:ASP:HA	20	0.13
(1,834)	1:481:A:ALA:HB2	1:482:A:ASP:HA	20	0.13
(1,834)	1:481:A:ALA:HB3	1:482:A:ASP:HA	20	0.13
(1,829)	1:485:A:ASP:HB2	1:537:A:MET:HA	5	0.13
(1,775)	1:523:A:LYS:HG3	1:525:A:PHE:HA	6	0.13
(1,773)	1:526:A:ALA:HB1	1:527:A:SER:HA	6	0.13
(1,773)	1:526:A:ALA:HB2	1:527:A:SER:HA	6	0.13
(1,773)	1:526:A:ALA:HB3	1:527:A:SER:HA	6	0.13
(1,773)	1:526:A:ALA:HB1	1:527:A:SER:HA	15	0.13
(1,773)	1:526:A:ALA:HB2	1:527:A:SER:HA	15	0.13
(1,773)	1:526:A:ALA:HB3	1:527:A:SER:HA	15	0.13
(1,773)	1:526:A:ALA:HB1	1:527:A:SER:HA	16	0.13
(1,773)	1:526:A:ALA:HB2	1:527:A:SER:HA	16	0.13
(1,773)	1:526:A:ALA:HB3	1:527:A:SER:HA	16	0.13
(1,773)	1:526:A:ALA:HB1	1:527:A:SER:HA	17	0.13
(1,773)	1:526:A:ALA:HB2	1:527:A:SER:HA	17	0.13
(1,773)	1:526:A:ALA:HB3	1:527:A:SER:HA	17	0.13
(1,773)	1:526:A:ALA:HB1	1:527:A:SER:HA	20	0.13
(1,773)	1:526:A:ALA:HB2	1:527:A:SER:HA	20	0.13
(1,773)	1:526:A:ALA:HB3	1:527:A:SER:HA	20	0.13
(1,728)	1:501:A:VAL:HG21	1:522:A:ILE:HG21	5	0.13
(1,728)	1:501:A:VAL:HG21	1:522:A:ILE:HG22	5	0.13
(1,728)	1:501:A:VAL:HG21	1:522:A:ILE:HG23	5	0.13
(1,728)	1:501:A:VAL:HG22	1:522:A:ILE:HG21	5	0.13
(1,728)	1:501:A:VAL:HG22	1:522:A:ILE:HG22	5	0.13
(1,728)	1:501:A:VAL:HG22	1:522:A:ILE:HG23	5	0.13
(1,728)	1:501:A:VAL:HG23	1:522:A:ILE:HG21	5	0.13
(1,728)	1:501:A:VAL:HG23	1:522:A:ILE:HG22	5	0.13
(1,728)	1:501:A:VAL:HG23	1:522:A:ILE:HG23	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,728)	1:501:A:VAL:HG21	1:522:A:ILE:HG21	8	0.13
(1,728)	1:501:A:VAL:HG21	1:522:A:ILE:HG22	8	0.13
(1,728)	1:501:A:VAL:HG21	1:522:A:ILE:HG23	8	0.13
(1,728)	1:501:A:VAL:HG22	1:522:A:ILE:HG21	8	0.13
(1,728)	1:501:A:VAL:HG22	1:522:A:ILE:HG22	8	0.13
(1,728)	1:501:A:VAL:HG22	1:522:A:ILE:HG23	8	0.13
(1,728)	1:501:A:VAL:HG23	1:522:A:ILE:HG21	8	0.13
(1,728)	1:501:A:VAL:HG23	1:522:A:ILE:HG22	8	0.13
(1,728)	1:501:A:VAL:HG23	1:522:A:ILE:HG23	8	0.13
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB1	3	0.13
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB2	3	0.13
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB3	3	0.13
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB1	5	0.13
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB2	5	0.13
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB3	5	0.13
(1,683)	1:493:A:VAL:HG21	1:499:A:VAL:HG21	14	0.13
(1,683)	1:493:A:VAL:HG21	1:499:A:VAL:HG22	14	0.13
(1,683)	1:493:A:VAL:HG21	1:499:A:VAL:HG23	14	0.13
(1,683)	1:493:A:VAL:HG22	1:499:A:VAL:HG21	14	0.13
(1,683)	1:493:A:VAL:HG22	1:499:A:VAL:HG22	14	0.13
(1,683)	1:493:A:VAL:HG22	1:499:A:VAL:HG23	14	0.13
(1,683)	1:493:A:VAL:HG23	1:499:A:VAL:HG21	14	0.13
(1,683)	1:493:A:VAL:HG23	1:499:A:VAL:HG22	14	0.13
(1,683)	1:493:A:VAL:HG23	1:499:A:VAL:HG23	14	0.13
(1,666)	1:501:A:VAL:HG11	1:522:A:ILE:HG12	1	0.13
(1,666)	1:501:A:VAL:HG12	1:522:A:ILE:HG12	1	0.13
(1,666)	1:501:A:VAL:HG13	1:522:A:ILE:HG12	1	0.13
(1,666)	1:501:A:VAL:HG11	1:522:A:ILE:HG12	11	0.13
(1,666)	1:501:A:VAL:HG12	1:522:A:ILE:HG12	11	0.13
(1,666)	1:501:A:VAL:HG13	1:522:A:ILE:HG12	11	0.13
(1,564)	1:490:A:ARG:HB2	1:491:A:ILE:HG13	1	0.13
(1,556)	1:508:A:ILE:HD11	1:514:A:ILE:HG12	1	0.13
(1,556)	1:508:A:ILE:HD12	1:514:A:ILE:HG12	1	0.13
(1,556)	1:508:A:ILE:HD13	1:514:A:ILE:HG12	1	0.13
(1,556)	1:508:A:ILE:HD11	1:514:A:ILE:HG12	14	0.13
(1,556)	1:508:A:ILE:HD12	1:514:A:ILE:HG12	14	0.13
(1,556)	1:508:A:ILE:HD13	1:514:A:ILE:HG12	14	0.13
(1,450)	1:485:A:ASP:H	1:536:A:GLY:H	16	0.13
(1,450)	1:485:A:ASP:H	1:536:A:GLY:H	18	0.13
(1,430)	1:528:A:HIS:HB2	1:529:A:SER:H	3	0.13
(1,430)	1:528:A:HIS:HB2	1:529:A:SER:H	13	0.13
(1,415)	1:524:A:LEU:HA	1:530:A:THR:H	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:501:A:VAL:HB	1:502:A:ARG:H	7	0.13
(1,409)	1:501:A:VAL:HB	1:502:A:ARG:H	15	0.13
(1,359)	1:543:A:GLN:H	1:545:A:PHE:H	5	0.13
(1,335)	1:515:A:SER:H	1:518:A:TYR:H	14	0.13
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD11	8	0.13
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD12	8	0.13
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD13	8	0.13
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD11	9	0.13
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD12	9	0.13
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD13	9	0.13
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD11	19	0.13
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD12	19	0.13
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD13	19	0.13
(1,287)	1:505:A:VAL:HG11	1:516:A:SER:H	3	0.13
(1,287)	1:505:A:VAL:HG12	1:516:A:SER:H	3	0.13
(1,287)	1:505:A:VAL:HG13	1:516:A:SER:H	3	0.13
(1,255)	1:538:A:PRO:HB2	1:540:A:GLU:H	3	0.13
(1,255)	1:538:A:PRO:HB2	1:540:A:GLU:H	10	0.13
(1,239)	1:517:A:ARG:H	1:517:A:ARG:HB3	5	0.13
(1,239)	1:517:A:ARG:H	1:517:A:ARG:HB3	13	0.13
(1,200)	1:550:A:ILE:H	1:555:A:MET:H	2	0.13
(1,200)	1:550:A:ILE:H	1:555:A:MET:H	3	0.13
(1,200)	1:550:A:ILE:H	1:555:A:MET:H	12	0.13
(1,188)	1:562:A:ASP:H	1:562:A:ASP:HB3	11	0.13
(1,159)	1:496:A:ASP:H	1:528:A:HIS:H	20	0.13
(1,146)	1:524:A:LEU:H	1:524:A:LEU:HB2	6	0.13
(1,146)	1:524:A:LEU:H	1:524:A:LEU:HB2	11	0.13
(1,146)	1:524:A:LEU:H	1:524:A:LEU:HB2	17	0.13
(1,146)	1:524:A:LEU:H	1:524:A:LEU:HB2	20	0.13
(1,111)	1:500:A:GLU:HA	1:501:A:VAL:H	5	0.13
(1,111)	1:500:A:GLU:HA	1:501:A:VAL:H	7	0.13
(1,111)	1:500:A:GLU:HA	1:501:A:VAL:H	15	0.13
(1,111)	1:500:A:GLU:HA	1:501:A:VAL:H	16	0.13
(1,111)	1:500:A:GLU:HA	1:501:A:VAL:H	17	0.13
(1,97)	1:525:A:PHE:H	1:530:A:THR:H	3	0.13
(1,97)	1:525:A:PHE:H	1:530:A:THR:H	5	0.13
(1,70)	1:488:A:LEU:HB3	1:489:A:TYR:H	8	0.13
(1,70)	1:488:A:LEU:HB3	1:489:A:TYR:H	16	0.13
(1,70)	1:488:A:LEU:HB3	1:489:A:TYR:H	20	0.13
(1,69)	1:488:A:LEU:HG	1:489:A:TYR:H	18	0.13
(1,32)	1:532:A:GLU:H	1:532:A:GLU:HB2	12	0.13
(1,22)	1:521:A:ASN:H	1:532:A:GLU:H	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:521:A:ASN:H	1:532:A:GLU:H	19	0.13
(1,4)	1:522:A:ILE:HB	1:523:A:LYS:H	1	0.13
(1,4)	1:522:A:ILE:HB	1:523:A:LYS:H	8	0.13
(1,1097)	1:534:A:PRO:HB2	1:535:A:LYS:H	2	0.12
(1,1097)	1:534:A:PRO:HB3	1:535:A:LYS:H	2	0.12
(1,1097)	1:534:A:PRO:HB2	1:535:A:LYS:H	3	0.12
(1,1097)	1:534:A:PRO:HB3	1:535:A:LYS:H	3	0.12
(1,1097)	1:534:A:PRO:HB2	1:535:A:LYS:H	5	0.12
(1,1097)	1:534:A:PRO:HB3	1:535:A:LYS:H	5	0.12
(1,1097)	1:534:A:PRO:HB2	1:535:A:LYS:H	6	0.12
(1,1097)	1:534:A:PRO:HB3	1:535:A:LYS:H	6	0.12
(1,1097)	1:534:A:PRO:HB2	1:535:A:LYS:H	8	0.12
(1,1097)	1:534:A:PRO:HB3	1:535:A:LYS:H	8	0.12
(1,1097)	1:534:A:PRO:HB2	1:535:A:LYS:H	9	0.12
(1,1097)	1:534:A:PRO:HB3	1:535:A:LYS:H	9	0.12
(1,1097)	1:534:A:PRO:HB2	1:535:A:LYS:H	10	0.12
(1,1097)	1:534:A:PRO:HB3	1:535:A:LYS:H	10	0.12
(1,1097)	1:534:A:PRO:HB2	1:535:A:LYS:H	11	0.12
(1,1097)	1:534:A:PRO:HB3	1:535:A:LYS:H	11	0.12
(1,1097)	1:534:A:PRO:HB2	1:535:A:LYS:H	15	0.12
(1,1097)	1:534:A:PRO:HB3	1:535:A:LYS:H	15	0.12
(1,1097)	1:534:A:PRO:HB2	1:535:A:LYS:H	17	0.12
(1,1097)	1:534:A:PRO:HB3	1:535:A:LYS:H	17	0.12
(1,1097)	1:534:A:PRO:HB2	1:535:A:LYS:H	19	0.12
(1,1097)	1:534:A:PRO:HB3	1:535:A:LYS:H	19	0.12
(1,1097)	1:534:A:PRO:HB2	1:535:A:LYS:H	20	0.12
(1,1097)	1:534:A:PRO:HB3	1:535:A:LYS:H	20	0.12
(1,1085)	1:527:A:SER:H	1:527:A:SER:HB2	11	0.12
(1,1085)	1:527:A:SER:H	1:527:A:SER:HB3	11	0.12
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG2	14	0.12
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG3	14	0.12
(1,1055)	1:513:A:ASP:HB2	1:514:A:ILE:H	17	0.12
(1,1055)	1:513:A:ASP:HB3	1:514:A:ILE:H	17	0.12
(1,1055)	1:513:A:ASP:HB2	1:514:A:ILE:H	20	0.12
(1,1055)	1:513:A:ASP:HB3	1:514:A:ILE:H	20	0.12
(1,885)	1:505:A:VAL:HA	1:508:A:ILE:HB	3	0.12
(1,773)	1:526:A:ALA:HB1	1:527:A:SER:HA	8	0.12
(1,773)	1:526:A:ALA:HB2	1:527:A:SER:HA	8	0.12
(1,773)	1:526:A:ALA:HB3	1:527:A:SER:HA	8	0.12
(1,720)	1:501:A:VAL:HG11	1:522:A:ILE:HG21	14	0.12
(1,720)	1:501:A:VAL:HG11	1:522:A:ILE:HG22	14	0.12
(1,720)	1:501:A:VAL:HG11	1:522:A:ILE:HG23	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,720)	1:501:A:VAL:HG12	1:522:A:ILE:HG21	14	0.12
(1,720)	1:501:A:VAL:HG12	1:522:A:ILE:HG22	14	0.12
(1,720)	1:501:A:VAL:HG12	1:522:A:ILE:HG23	14	0.12
(1,720)	1:501:A:VAL:HG13	1:522:A:ILE:HG21	14	0.12
(1,720)	1:501:A:VAL:HG13	1:522:A:ILE:HG22	14	0.12
(1,720)	1:501:A:VAL:HG13	1:522:A:ILE:HG23	14	0.12
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB1	9	0.12
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB2	9	0.12
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB3	9	0.12
(1,666)	1:501:A:VAL:HG11	1:522:A:ILE:HG12	18	0.12
(1,666)	1:501:A:VAL:HG12	1:522:A:ILE:HG12	18	0.12
(1,666)	1:501:A:VAL:HG13	1:522:A:ILE:HG12	18	0.12
(1,657)	1:501:A:VAL:HG11	1:504:A:ILE:HG12	4	0.12
(1,657)	1:501:A:VAL:HG12	1:504:A:ILE:HG12	4	0.12
(1,657)	1:501:A:VAL:HG13	1:504:A:ILE:HG12	4	0.12
(1,657)	1:501:A:VAL:HG11	1:504:A:ILE:HG12	8	0.12
(1,657)	1:501:A:VAL:HG12	1:504:A:ILE:HG12	8	0.12
(1,657)	1:501:A:VAL:HG13	1:504:A:ILE:HG12	8	0.12
(1,657)	1:501:A:VAL:HG11	1:504:A:ILE:HG12	15	0.12
(1,657)	1:501:A:VAL:HG12	1:504:A:ILE:HG12	15	0.12
(1,657)	1:501:A:VAL:HG13	1:504:A:ILE:HG12	15	0.12
(1,641)	1:491:A:ILE:HB	1:493:A:VAL:HG11	3	0.12
(1,641)	1:491:A:ILE:HB	1:493:A:VAL:HG12	3	0.12
(1,641)	1:491:A:ILE:HB	1:493:A:VAL:HG13	3	0.12
(1,606)	1:514:A:ILE:HG21	1:533:A:LEU:HB3	4	0.12
(1,606)	1:514:A:ILE:HG22	1:533:A:LEU:HB3	4	0.12
(1,606)	1:514:A:ILE:HG23	1:533:A:LEU:HB3	4	0.12
(1,556)	1:508:A:ILE:HD11	1:514:A:ILE:HG12	12	0.12
(1,556)	1:508:A:ILE:HD12	1:514:A:ILE:HG12	12	0.12
(1,556)	1:508:A:ILE:HD13	1:514:A:ILE:HG12	12	0.12
(1,450)	1:485:A:ASP:H	1:536:A:GLY:H	4	0.12
(1,440)	1:484:A:GLY:H	1:537:A:MET:H	6	0.12
(1,440)	1:484:A:GLY:H	1:537:A:MET:H	11	0.12
(1,440)	1:484:A:GLY:H	1:537:A:MET:H	19	0.12
(1,440)	1:484:A:GLY:H	1:537:A:MET:H	20	0.12
(1,430)	1:528:A:HIS:HB2	1:529:A:SER:H	16	0.12
(1,415)	1:524:A:LEU:HA	1:530:A:THR:H	3	0.12
(1,415)	1:524:A:LEU:HA	1:530:A:THR:H	8	0.12
(1,415)	1:524:A:LEU:HA	1:530:A:THR:H	12	0.12
(1,410)	1:502:A:ARG:H	1:502:A:ARG:HB3	3	0.12
(1,410)	1:502:A:ARG:H	1:502:A:ARG:HB3	9	0.12
(1,402)	1:491:A:ILE:HG21	1:556:A:ASN:H	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,402)	1:491:A:ILE:HG22	1:556:A:ASN:H	9	0.12
(1,402)	1:491:A:ILE:HG23	1:556:A:ASN:H	9	0.12
(1,371)	1:505:A:VAL:HA	1:508:A:ILE:H	9	0.12
(1,371)	1:505:A:VAL:HA	1:508:A:ILE:H	18	0.12
(1,359)	1:543:A:GLN:H	1:545:A:PHE:H	1	0.12
(1,359)	1:543:A:GLN:H	1:545:A:PHE:H	2	0.12
(1,359)	1:543:A:GLN:H	1:545:A:PHE:H	3	0.12
(1,359)	1:543:A:GLN:H	1:545:A:PHE:H	4	0.12
(1,359)	1:543:A:GLN:H	1:545:A:PHE:H	6	0.12
(1,359)	1:543:A:GLN:H	1:545:A:PHE:H	10	0.12
(1,359)	1:543:A:GLN:H	1:545:A:PHE:H	12	0.12
(1,359)	1:543:A:GLN:H	1:545:A:PHE:H	13	0.12
(1,359)	1:543:A:GLN:H	1:545:A:PHE:H	15	0.12
(1,359)	1:543:A:GLN:H	1:545:A:PHE:H	18	0.12
(1,359)	1:543:A:GLN:H	1:545:A:PHE:H	20	0.12
(1,336)	1:518:A:TYR:H	1:519:A:ILE:H	11	0.12
(1,336)	1:518:A:TYR:H	1:519:A:ILE:H	16	0.12
(1,335)	1:515:A:SER:H	1:518:A:TYR:H	4	0.12
(1,335)	1:515:A:SER:H	1:518:A:TYR:H	6	0.12
(1,294)	1:542:A:LEU:H	1:544:A:HIS:H	11	0.12
(1,294)	1:542:A:LEU:H	1:544:A:HIS:H	17	0.12
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD11	1	0.12
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD12	1	0.12
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD13	1	0.12
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD11	20	0.12
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD12	20	0.12
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD13	20	0.12
(1,265)	1:515:A:SER:H	1:519:A:ILE:H	7	0.12
(1,265)	1:515:A:SER:H	1:519:A:ILE:H	12	0.12
(1,242)	1:519:A:ILE:HG21	1:521:A:ASN:H	7	0.12
(1,242)	1:519:A:ILE:HG22	1:521:A:ASN:H	7	0.12
(1,242)	1:519:A:ILE:HG23	1:521:A:ASN:H	7	0.12
(1,239)	1:517:A:ARG:H	1:517:A:ARG:HB3	8	0.12
(1,200)	1:550:A:ILE:H	1:555:A:MET:H	17	0.12
(1,183)	1:490:A:ARG:H	1:559:A:LEU:HA	7	0.12
(1,159)	1:496:A:ASP:H	1:528:A:HIS:H	12	0.12
(1,146)	1:524:A:LEU:H	1:524:A:LEU:HB2	3	0.12
(1,146)	1:524:A:LEU:H	1:524:A:LEU:HB2	5	0.12
(1,146)	1:524:A:LEU:H	1:524:A:LEU:HB2	12	0.12
(1,146)	1:524:A:LEU:H	1:524:A:LEU:HB2	13	0.12
(1,146)	1:524:A:LEU:H	1:524:A:LEU:HB2	18	0.12
(1,105)	1:525:A:PHE:H	1:529:A:SER:HA	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:525:A:PHE:H	1:529:A:SER:HA	7	0.12
(1,97)	1:525:A:PHE:H	1:530:A:THR:H	8	0.12
(1,70)	1:488:A:LEU:HB3	1:489:A:TYR:H	6	0.12
(1,70)	1:488:A:LEU:HB3	1:489:A:TYR:H	9	0.12
(1,70)	1:488:A:LEU:HB3	1:489:A:TYR:H	10	0.12
(1,70)	1:488:A:LEU:HB3	1:489:A:TYR:H	11	0.12
(1,70)	1:488:A:LEU:HB3	1:489:A:TYR:H	12	0.12
(1,70)	1:488:A:LEU:HB3	1:489:A:TYR:H	13	0.12
(1,70)	1:488:A:LEU:HB3	1:489:A:TYR:H	14	0.12
(1,70)	1:488:A:LEU:HB3	1:489:A:TYR:H	19	0.12
(1,45)	1:548:A:THR:HG21	1:549:A:ARG:H	20	0.12
(1,45)	1:548:A:THR:HG22	1:549:A:ARG:H	20	0.12
(1,45)	1:548:A:THR:HG23	1:549:A:ARG:H	20	0.12
(1,24)	1:500:A:GLU:H	1:503:A:HIS:H	17	0.12
(1,22)	1:521:A:ASN:H	1:532:A:GLU:H	9	0.12
(1,22)	1:521:A:ASN:H	1:532:A:GLU:H	12	0.12
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD21	6	0.12
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD22	6	0.12
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD23	6	0.12
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD21	13	0.12
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD22	13	0.12
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD23	13	0.12
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD21	19	0.12
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD22	19	0.12
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD23	19	0.12
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG2	1	0.11
(1,1111)	1:542:A:LEU:H	1:543:A:GLN:HG3	1	0.11
(1,1097)	1:534:A:PRO:HB2	1:535:A:LYS:H	4	0.11
(1,1097)	1:534:A:PRO:HB3	1:535:A:LYS:H	4	0.11
(1,1097)	1:534:A:PRO:HB2	1:535:A:LYS:H	7	0.11
(1,1097)	1:534:A:PRO:HB3	1:535:A:LYS:H	7	0.11
(1,1097)	1:534:A:PRO:HB2	1:535:A:LYS:H	12	0.11
(1,1097)	1:534:A:PRO:HB3	1:535:A:LYS:H	12	0.11
(1,1097)	1:534:A:PRO:HB2	1:535:A:LYS:H	13	0.11
(1,1097)	1:534:A:PRO:HB3	1:535:A:LYS:H	13	0.11
(1,1097)	1:534:A:PRO:HB2	1:535:A:LYS:H	14	0.11
(1,1097)	1:534:A:PRO:HB3	1:535:A:LYS:H	14	0.11
(1,1097)	1:534:A:PRO:HB2	1:535:A:LYS:H	16	0.11
(1,1097)	1:534:A:PRO:HB3	1:535:A:LYS:H	16	0.11
(1,1097)	1:534:A:PRO:HB2	1:535:A:LYS:H	18	0.11
(1,1097)	1:534:A:PRO:HB3	1:535:A:LYS:H	18	0.11
(1,1076)	1:521:A:ASN:HB2	1:532:A:GLU:HB2	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1076)	1:521:A:ASN:HB3	1:532:A:GLU:HB2	5	0.11
(1,1076)	1:521:A:ASN:HB2	1:532:A:GLU:HB2	18	0.11
(1,1076)	1:521:A:ASN:HB3	1:532:A:GLU:HB2	18	0.11
(1,1061)	1:515:A:SER:HB2	1:516:A:SER:HB2	18	0.11
(1,1061)	1:515:A:SER:HB2	1:516:A:SER:HB3	18	0.11
(1,1061)	1:515:A:SER:HB3	1:516:A:SER:HB2	18	0.11
(1,1061)	1:515:A:SER:HB3	1:516:A:SER:HB3	18	0.11
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG2	1	0.11
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG3	1	0.11
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG2	2	0.11
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG3	2	0.11
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG2	7	0.11
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG3	7	0.11
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG2	20	0.11
(1,1059)	1:515:A:SER:H	1:517:A:ARG:HG3	20	0.11
(1,891)	1:514:A:ILE:HB	1:519:A:ILE:HG13	17	0.11
(1,885)	1:505:A:VAL:HA	1:508:A:ILE:HB	13	0.11
(1,858)	1:549:A:ARG:HB3	1:553:A:LYS:HA	6	0.11
(1,846)	1:549:A:ARG:HB2	1:550:A:ILE:HA	8	0.11
(1,846)	1:549:A:ARG:HB2	1:550:A:ILE:HA	14	0.11
(1,846)	1:549:A:ARG:HB2	1:550:A:ILE:HA	17	0.11
(1,834)	1:481:A:ALA:HB1	1:482:A:ASP:HA	7	0.11
(1,834)	1:481:A:ALA:HB2	1:482:A:ASP:HA	7	0.11
(1,834)	1:481:A:ALA:HB3	1:482:A:ASP:HA	7	0.11
(1,834)	1:481:A:ALA:HB1	1:482:A:ASP:HA	13	0.11
(1,834)	1:481:A:ALA:HB2	1:482:A:ASP:HA	13	0.11
(1,834)	1:481:A:ALA:HB3	1:482:A:ASP:HA	13	0.11
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD21	17	0.11
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD22	17	0.11
(1,780)	1:531:A:ILE:HD11	1:533:A:LEU:HD23	17	0.11
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD21	17	0.11
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD22	17	0.11
(1,780)	1:531:A:ILE:HD12	1:533:A:LEU:HD23	17	0.11
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD21	17	0.11
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD22	17	0.11
(1,780)	1:531:A:ILE:HD13	1:533:A:LEU:HD23	17	0.11
(1,773)	1:526:A:ALA:HB1	1:527:A:SER:HA	1	0.11
(1,773)	1:526:A:ALA:HB2	1:527:A:SER:HA	1	0.11
(1,773)	1:526:A:ALA:HB3	1:527:A:SER:HA	1	0.11
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB1	18	0.11
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB2	18	0.11
(1,719)	1:525:A:PHE:HB2	1:526:A:ALA:HB3	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,669)	1:505:A:VAL:HG11	1:519:A:ILE:H	2	0.11
(1,669)	1:505:A:VAL:HG12	1:519:A:ILE:H	2	0.11
(1,669)	1:505:A:VAL:HG13	1:519:A:ILE:H	2	0.11
(1,669)	1:505:A:VAL:HG11	1:519:A:ILE:H	10	0.11
(1,669)	1:505:A:VAL:HG12	1:519:A:ILE:H	10	0.11
(1,669)	1:505:A:VAL:HG13	1:519:A:ILE:H	10	0.11
(1,669)	1:505:A:VAL:HG11	1:519:A:ILE:H	20	0.11
(1,669)	1:505:A:VAL:HG12	1:519:A:ILE:H	20	0.11
(1,669)	1:505:A:VAL:HG13	1:519:A:ILE:H	20	0.11
(1,657)	1:501:A:VAL:HG11	1:504:A:ILE:HG12	2	0.11
(1,657)	1:501:A:VAL:HG12	1:504:A:ILE:HG12	2	0.11
(1,657)	1:501:A:VAL:HG13	1:504:A:ILE:HG12	2	0.11
(1,657)	1:501:A:VAL:HG11	1:504:A:ILE:HG12	20	0.11
(1,657)	1:501:A:VAL:HG12	1:504:A:ILE:HG12	20	0.11
(1,657)	1:501:A:VAL:HG13	1:504:A:ILE:HG12	20	0.11
(1,641)	1:491:A:ILE:HB	1:493:A:VAL:HG11	4	0.11
(1,641)	1:491:A:ILE:HB	1:493:A:VAL:HG12	4	0.11
(1,641)	1:491:A:ILE:HB	1:493:A:VAL:HG13	4	0.11
(1,641)	1:491:A:ILE:HB	1:493:A:VAL:HG11	5	0.11
(1,641)	1:491:A:ILE:HB	1:493:A:VAL:HG12	5	0.11
(1,641)	1:491:A:ILE:HB	1:493:A:VAL:HG13	5	0.11
(1,564)	1:490:A:ARG:HB2	1:491:A:ILE:HG13	15	0.11
(1,556)	1:508:A:ILE:HD11	1:514:A:ILE:HG12	6	0.11
(1,556)	1:508:A:ILE:HD12	1:514:A:ILE:HG12	6	0.11
(1,556)	1:508:A:ILE:HD13	1:514:A:ILE:HG12	6	0.11
(1,556)	1:508:A:ILE:HD11	1:514:A:ILE:HG12	20	0.11
(1,556)	1:508:A:ILE:HD12	1:514:A:ILE:HG12	20	0.11
(1,556)	1:508:A:ILE:HD13	1:514:A:ILE:HG12	20	0.11
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD11	18	0.11
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD12	18	0.11
(1,518)	1:508:A:ILE:HG21	1:514:A:ILE:HD13	18	0.11
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD11	18	0.11
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD12	18	0.11
(1,518)	1:508:A:ILE:HG22	1:514:A:ILE:HD13	18	0.11
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD11	18	0.11
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD12	18	0.11
(1,518)	1:508:A:ILE:HG23	1:514:A:ILE:HD13	18	0.11
(1,485)	1:503:A:HIS:HA	1:506:A:GLY:H	18	0.11
(1,478)	1:560:A:LEU:HD11	1:561:A:GLY:H	5	0.11
(1,478)	1:560:A:LEU:HD12	1:561:A:GLY:H	5	0.11
(1,478)	1:560:A:LEU:HD13	1:561:A:GLY:H	5	0.11
(1,476)	1:526:A:ALA:HB1	1:527:A:SER:H	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,476)	1:526:A:ALA:HB2	1:527:A:SER:H	12	0.11
(1,476)	1:526:A:ALA:HB3	1:527:A:SER:H	12	0.11
(1,450)	1:485:A:ASP:H	1:536:A:GLY:H	8	0.11
(1,450)	1:485:A:ASP:H	1:536:A:GLY:H	15	0.11
(1,450)	1:485:A:ASP:H	1:536:A:GLY:H	20	0.11
(1,440)	1:484:A:GLY:H	1:537:A:MET:H	15	0.11
(1,436)	1:538:A:PRO:HA	1:539:A:GLY:H	11	0.11
(1,436)	1:538:A:PRO:HA	1:539:A:GLY:H	12	0.11
(1,430)	1:528:A:HIS:HB2	1:529:A:SER:H	5	0.11
(1,427)	1:545:A:PHE:HB2	1:546:A:THR:H	1	0.11
(1,419)	1:523:A:LYS:HG2	1:530:A:THR:H	2	0.11
(1,415)	1:524:A:LEU:HA	1:530:A:THR:H	15	0.11
(1,415)	1:524:A:LEU:HA	1:530:A:THR:H	20	0.11
(1,410)	1:502:A:ARG:H	1:502:A:ARG:HB3	6	0.11
(1,410)	1:502:A:ARG:H	1:502:A:ARG:HB3	19	0.11
(1,409)	1:501:A:VAL:HB	1:502:A:ARG:H	16	0.11
(1,409)	1:501:A:VAL:HB	1:502:A:ARG:H	18	0.11
(1,402)	1:491:A:ILE:HG21	1:556:A:ASN:H	13	0.11
(1,402)	1:491:A:ILE:HG22	1:556:A:ASN:H	13	0.11
(1,402)	1:491:A:ILE:HG23	1:556:A:ASN:H	13	0.11
(1,397)	1:556:A:ASN:H	1:556:A:ASN:HB2	16	0.11
(1,371)	1:505:A:VAL:HA	1:508:A:ILE:H	4	0.11
(1,336)	1:518:A:TYR:H	1:519:A:ILE:H	15	0.11
(1,336)	1:518:A:TYR:H	1:519:A:ILE:H	17	0.11
(1,336)	1:518:A:TYR:H	1:519:A:ILE:H	20	0.11
(1,335)	1:515:A:SER:H	1:518:A:TYR:H	2	0.11
(1,294)	1:542:A:LEU:H	1:544:A:HIS:H	7	0.11
(1,294)	1:542:A:LEU:H	1:544:A:HIS:H	16	0.11
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD11	5	0.11
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD12	5	0.11
(1,289)	1:515:A:SER:H	1:519:A:ILE:HD13	5	0.11
(1,265)	1:515:A:SER:H	1:519:A:ILE:H	11	0.11
(1,242)	1:519:A:ILE:HG21	1:521:A:ASN:H	4	0.11
(1,242)	1:519:A:ILE:HG22	1:521:A:ASN:H	4	0.11
(1,242)	1:519:A:ILE:HG23	1:521:A:ASN:H	4	0.11
(1,239)	1:517:A:ARG:H	1:517:A:ARG:HB3	9	0.11
(1,200)	1:550:A:ILE:H	1:555:A:MET:H	11	0.11
(1,183)	1:490:A:ARG:H	1:559:A:LEU:HA	15	0.11
(1,159)	1:496:A:ASP:H	1:528:A:HIS:H	1	0.11
(1,159)	1:496:A:ASP:H	1:528:A:HIS:H	14	0.11
(1,146)	1:524:A:LEU:H	1:524:A:LEU:HB2	8	0.11
(1,146)	1:524:A:LEU:H	1:524:A:LEU:HB2	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:525:A:PHE:H	1:529:A:SER:HA	4	0.11
(1,105)	1:525:A:PHE:H	1:529:A:SER:HA	6	0.11
(1,97)	1:525:A:PHE:H	1:530:A:THR:H	9	0.11
(1,70)	1:488:A:LEU:HB3	1:489:A:TYR:H	3	0.11
(1,43)	1:551:A:LEU:H	1:552:A:ASN:HB2	6	0.11
(1,32)	1:532:A:GLU:H	1:532:A:GLU:HB2	13	0.11
(1,22)	1:521:A:ASN:H	1:532:A:GLU:H	4	0.11
(1,22)	1:521:A:ASN:H	1:532:A:GLU:H	11	0.11
(1,22)	1:521:A:ASN:H	1:532:A:GLU:H	13	0.11
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD21	1	0.11
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD22	1	0.11
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD23	1	0.11
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD21	11	0.11
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD22	11	0.11
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD23	11	0.11
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD21	14	0.11
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD22	14	0.11
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD23	14	0.11
(1,4)	1:522:A:ILE:HB	1:523:A:LYS:H	2	0.11
(1,4)	1:522:A:ILE:HB	1:523:A:LYS:H	9	0.11
(1,4)	1:522:A:ILE:HB	1:523:A:LYS:H	20	0.11
(1,1129)	1:549:A:ARG:HG2	1:553:A:LYS:HA	20	0.1
(1,1129)	1:549:A:ARG:HG3	1:553:A:LYS:HA	20	0.1
(1,1097)	1:534:A:PRO:HB2	1:535:A:LYS:H	1	0.1
(1,1097)	1:534:A:PRO:HB3	1:535:A:LYS:H	1	0.1
(1,1018)	1:497:A:ASP:HB2	1:499:A:VAL:H	19	0.1
(1,1018)	1:497:A:ASP:HB3	1:499:A:VAL:H	19	0.1
(1,949)	1:486:A:MET:HG2	1:532:A:GLU:HB3	13	0.1
(1,949)	1:486:A:MET:HG3	1:532:A:GLU:HB3	13	0.1
(1,858)	1:549:A:ARG:HB3	1:553:A:LYS:HA	14	0.1
(1,846)	1:549:A:ARG:HB2	1:550:A:ILE:HA	19	0.1
(1,773)	1:526:A:ALA:HB1	1:527:A:SER:HA	12	0.1
(1,773)	1:526:A:ALA:HB2	1:527:A:SER:HA	12	0.1
(1,773)	1:526:A:ALA:HB3	1:527:A:SER:HA	12	0.1
(1,728)	1:501:A:VAL:HG21	1:522:A:ILE:HG21	15	0.1
(1,728)	1:501:A:VAL:HG21	1:522:A:ILE:HG22	15	0.1
(1,728)	1:501:A:VAL:HG21	1:522:A:ILE:HG23	15	0.1
(1,728)	1:501:A:VAL:HG22	1:522:A:ILE:HG21	15	0.1
(1,728)	1:501:A:VAL:HG22	1:522:A:ILE:HG22	15	0.1
(1,728)	1:501:A:VAL:HG22	1:522:A:ILE:HG23	15	0.1
(1,728)	1:501:A:VAL:HG23	1:522:A:ILE:HG21	15	0.1
(1,728)	1:501:A:VAL:HG23	1:522:A:ILE:HG22	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,728)	1:501:A:VAL:HG23	1:522:A:ILE:HG23	15	0.1
(1,669)	1:505:A:VAL:HG11	1:519:A:ILE:H	7	0.1
(1,669)	1:505:A:VAL:HG12	1:519:A:ILE:H	7	0.1
(1,669)	1:505:A:VAL:HG13	1:519:A:ILE:H	7	0.1
(1,440)	1:484:A:GLY:H	1:537:A:MET:H	3	0.1
(1,436)	1:538:A:PRO:HA	1:539:A:GLY:H	1	0.1
(1,436)	1:538:A:PRO:HA	1:539:A:GLY:H	18	0.1
(1,427)	1:545:A:PHE:HB2	1:546:A:THR:H	12	0.1
(1,410)	1:502:A:ARG:H	1:502:A:ARG:HB3	2	0.1
(1,410)	1:502:A:ARG:H	1:502:A:ARG:HB3	4	0.1
(1,410)	1:502:A:ARG:H	1:502:A:ARG:HB3	14	0.1
(1,410)	1:502:A:ARG:H	1:502:A:ARG:HB3	20	0.1
(1,397)	1:556:A:ASN:H	1:556:A:ASN:HB2	6	0.1
(1,397)	1:556:A:ASN:H	1:556:A:ASN:HB2	12	0.1
(1,389)	1:556:A:ASN:H	1:557:A:MET:H	16	0.1
(1,335)	1:515:A:SER:H	1:518:A:TYR:H	1	0.1
(1,335)	1:515:A:SER:H	1:518:A:TYR:H	15	0.1
(1,239)	1:517:A:ARG:H	1:517:A:ARG:HB3	16	0.1
(1,239)	1:517:A:ARG:H	1:517:A:ARG:HB3	20	0.1
(1,159)	1:496:A:ASP:H	1:528:A:HIS:H	11	0.1
(1,146)	1:524:A:LEU:H	1:524:A:LEU:HB2	19	0.1
(1,105)	1:525:A:PHE:H	1:529:A:SER:HA	19	0.1
(1,88)	1:562:A:ASP:HB2	1:563:A:ALA:H	13	0.1
(1,88)	1:562:A:ASP:HB3	1:563:A:ALA:H	13	0.1
(1,88)	1:562:A:ASP:HB2	1:563:A:ALA:H	14	0.1
(1,88)	1:562:A:ASP:HB3	1:563:A:ALA:H	14	0.1
(1,88)	1:562:A:ASP:HB2	1:563:A:ALA:H	19	0.1
(1,88)	1:562:A:ASP:HB3	1:563:A:ALA:H	19	0.1
(1,24)	1:500:A:GLU:H	1:503:A:HIS:H	16	0.1
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD21	2	0.1
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD22	2	0.1
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD23	2	0.1
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD21	20	0.1
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD22	20	0.1
(1,11)	1:560:A:LEU:H	1:560:A:LEU:HD23	20	0.1

10 Dihedral-angle violation analysis [i](#)

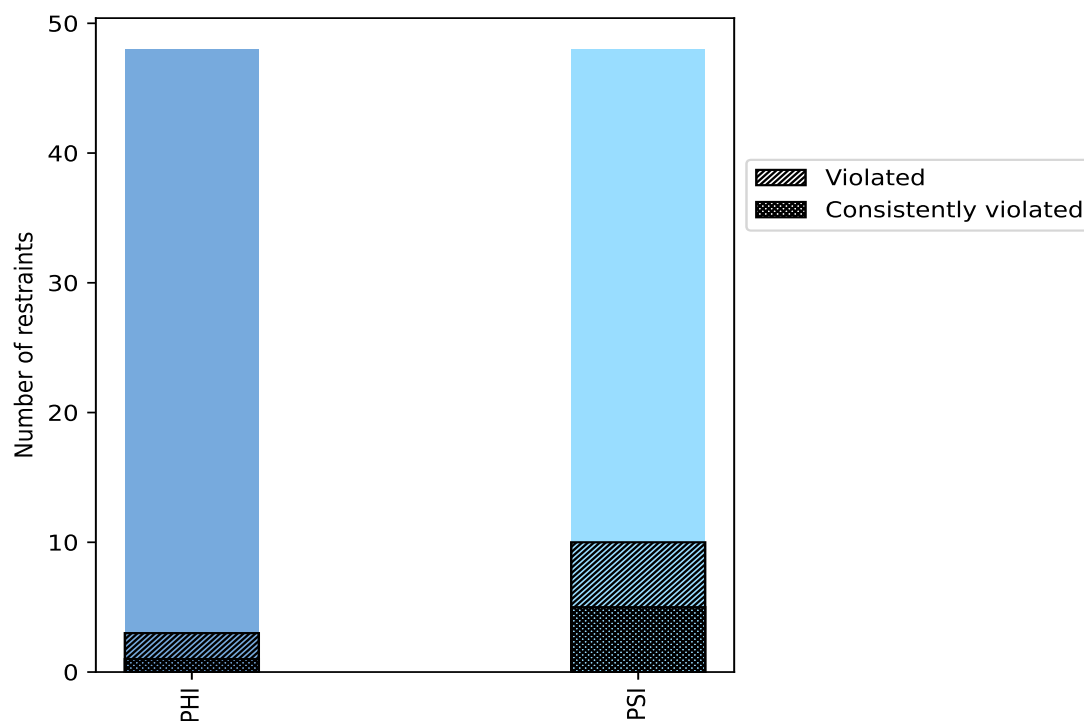
10.1 Summary of dihedral-angle violations [i](#)

The following table provides the summary of dihedral-angle violations in different dihedral-angle types. Violations less than 1° are not included in the calculation.

Angle type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
PHI	48	50.0	3	6.2	3.1	1	2.1	1.0
PSI	48	50.0	10	20.8	10.4	5	10.4	5.2
Total	96	100.0	13	13.5	13.5	6	6.2	6.2

¹ percentage calculated with respect to total number of dihedral-angle restraints, ² percentage calculated with respect to number of restraints in a particular dihedral-angle type, ³ violated in at least one model, ⁴ violated in all the models

10.1.1 Bar chart : Distribution of dihedral-angles and violations [i](#)



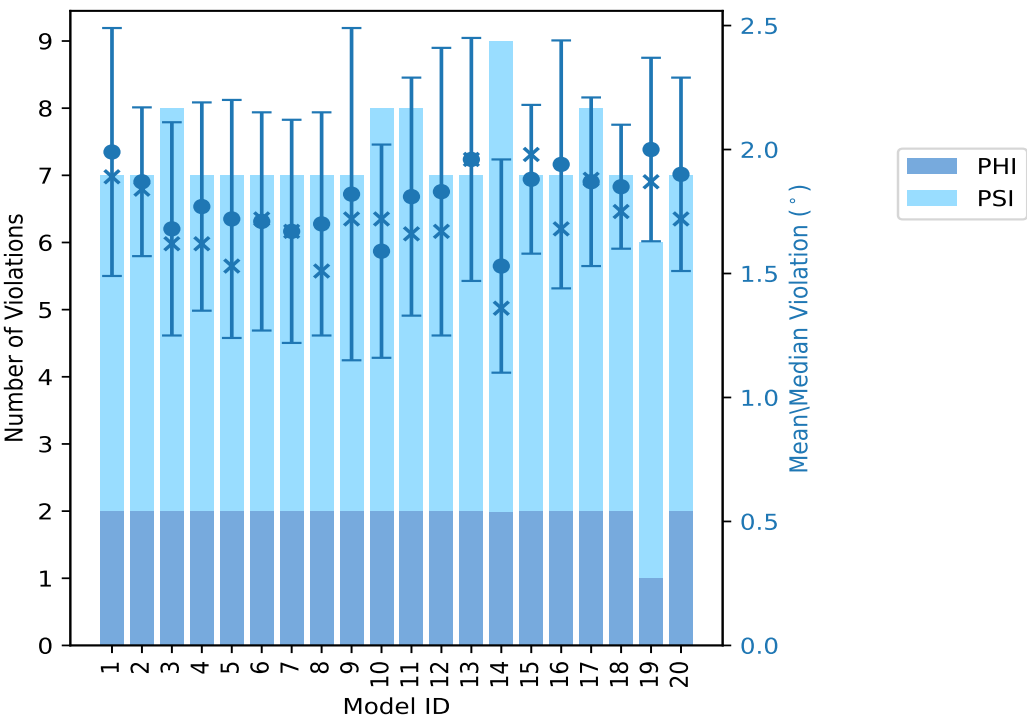
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model

The following table provides the dihedral-angle violation statistics for each model in the ensemble. Violations less than 1° are not included in the statistics.

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PHI	PSI	Total				
1	2	5	7	1.99	2.88	0.5	1.89
2	2	5	7	1.87	2.46	0.3	1.84
3	2	6	8	1.68	2.5	0.43	1.62
4	2	5	7	1.77	2.59	0.42	1.62
5	2	5	7	1.72	2.65	0.48	1.53
6	2	5	7	1.71	2.48	0.44	1.72
7	2	5	7	1.67	2.59	0.45	1.67
8	2	5	7	1.7	2.54	0.45	1.51
9	2	5	7	1.82	2.81	0.67	1.72
10	2	6	8	1.59	2.14	0.43	1.72
11	2	6	8	1.81	2.69	0.48	1.66
12	2	5	7	1.83	2.84	0.58	1.67
13	2	5	7	1.96	2.74	0.49	1.96
14	2	7	9	1.53	2.5	0.43	1.36
15	2	5	7	1.88	2.26	0.3	1.98
16	2	5	7	1.94	2.73	0.5	1.68
17	2	6	8	1.87	2.51	0.34	1.88
18	2	5	7	1.85	2.32	0.25	1.75
19	1	5	6	2.0	2.7	0.37	1.87
20	2	5	7	1.9	2.61	0.39	1.72

10.2.1 Bar graph : Dihedral violation statistics for each model [i](#)



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

10.3 Dihedral-angle violation statistics for the ensemble [i](#)

Violation analysis may find that some restraints are violated in very 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 ensemble.

Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count ¹	%
1	4	5	1	5.0
0	1	1	2	10.0
0	0	0	3	15.0
0	0	0	4	20.0
0	0	0	5	25.0
0	0	0	6	30.0
0	0	0	7	35.0
0	0	0	8	40.0
0	0	0	9	45.0
0	0	0	10	50.0
0	0	0	11	55.0

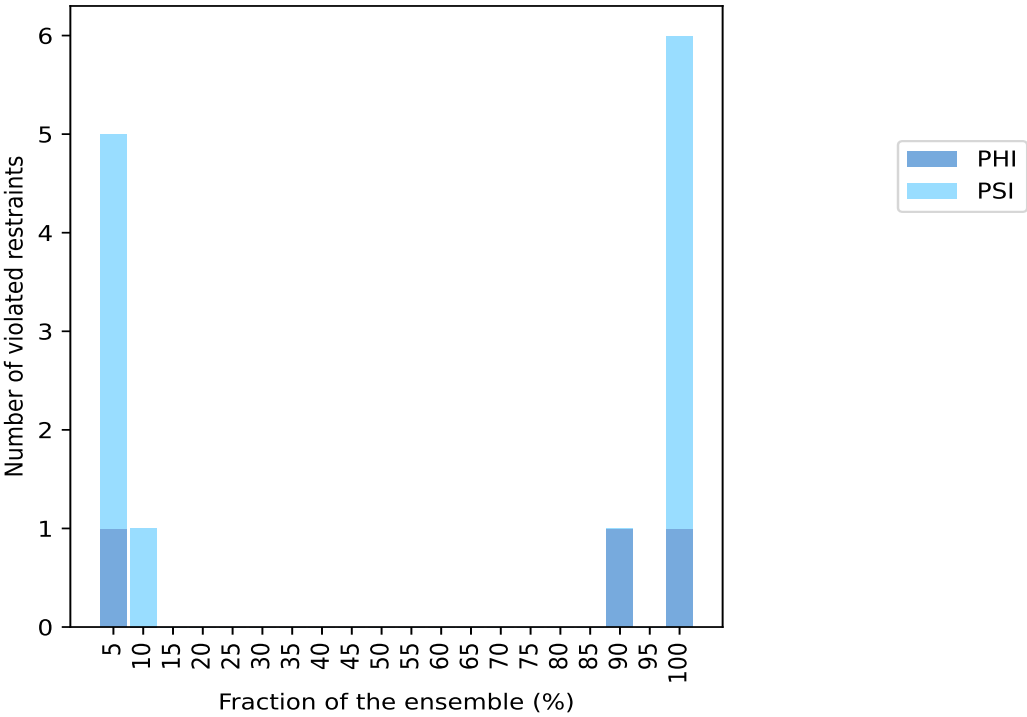
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Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count ¹	%
0	0	0	12	60.0
0	0	0	13	65.0
0	0	0	14	70.0
0	0	0	15	75.0
0	0	0	16	80.0
0	0	0	17	85.0
1	0	1	18	90.0
0	0	0	19	95.0
1	5	6	20	100.0

¹ Number of models with violations

10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble ⓘ

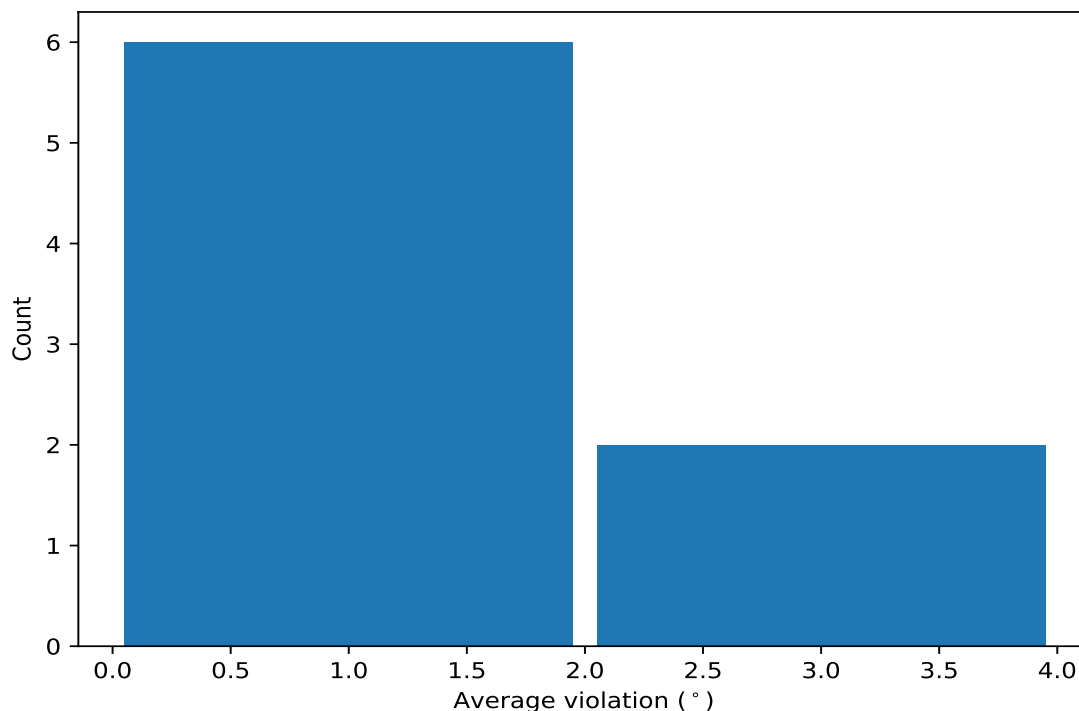


10.4 Most violated dihedral-angle restraints in the ensemble ⓘ

10.4.1 Histogram : Distribution of mean dihedral-angle 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



10.4.2 Table: Most violated dihedral-angle restraints [i](#)

The following table provides the mean and the standard deviation of the violation 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.

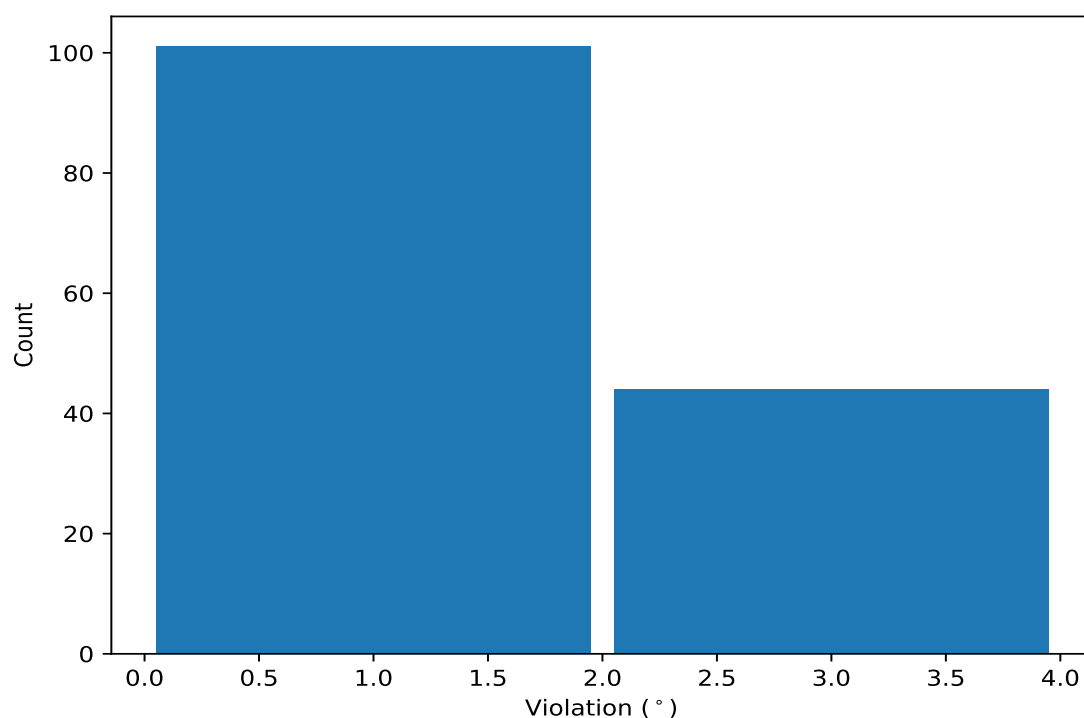
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,74)	1:542:A:LEU:N	1:542:A:LEU:CA	1:542:A:LEU:C	1:543:A:GLN:N	20	2.36	0.24	2.37
(1,80)	1:545:A:PHE:N	1:545:A:PHE:CA	1:545:A:PHE:C	1:546:A:THR:N	20	2.32	0.51	2.49
(1,2)	1:486:A:MET:N	1:486:A:MET:CA	1:486:A:MET:C	1:487:A:GLN:N	20	1.74	0.3	1.78
(1,31)	1:504:A:ILE:C	1:505:A:VAL:N	1:505:A:VAL:CA	1:505:A:VAL:C	20	1.69	0.13	1.69
(1,88)	1:549:A:ARG:N	1:549:A:ARG:CA	1:549:A:ARG:C	1:550:A:ILE:N	20	1.64	0.22	1.66
(1,10)	1:490:A:ARG:N	1:490:A:ARG:CA	1:490:A:ARG:C	1:491:A:ILE:N	20	1.61	0.32	1.66
(1,59)	1:528:A:HIS:C	1:529:A:SER:N	1:529:A:SER:CA	1:529:A:SER:C	18	1.38	0.21	1.35
(1,18)	1:497:A:ASP:N	1:497:A:ASP:CA	1:497:A:ASP:C	1:498:A:GLY:N	2	1.12	0.09	1.12

¹ Number of violated models, ²Standard deviation, All angle values are in degree (°)

10.5 All violated dihedral-angle restraints [i](#)

10.5.1 Histogram : Distribution of violations [i](#)

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



10.5.2 Table: All violated dihedral-angle restraints [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.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,80)	1:545:A:PHE:N	1:545:A:PHE:CA	1:545:A:PHE:C	1:546:A:THR:N	1	2.88
(1,80)	1:545:A:PHE:N	1:545:A:PHE:CA	1:545:A:PHE:C	1:546:A:THR:N	12	2.84
(1,80)	1:545:A:PHE:N	1:545:A:PHE:CA	1:545:A:PHE:C	1:546:A:THR:N	9	2.81
(1,74)	1:542:A:LEU:N	1:542:A:LEU:CA	1:542:A:LEU:C	1:543:A:GLN:N	9	2.79
(1,80)	1:545:A:PHE:N	1:545:A:PHE:CA	1:545:A:PHE:C	1:546:A:THR:N	13	2.74
(1,74)	1:542:A:LEU:N	1:542:A:LEU:CA	1:542:A:LEU:C	1:543:A:GLN:N	16	2.73
(1,80)	1:545:A:PHE:N	1:545:A:PHE:CA	1:545:A:PHE:C	1:546:A:THR:N	19	2.7
(1,74)	1:542:A:LEU:N	1:542:A:LEU:CA	1:542:A:LEU:C	1:543:A:GLN:N	11	2.69
(1,80)	1:545:A:PHE:N	1:545:A:PHE:CA	1:545:A:PHE:C	1:546:A:THR:N	5	2.65
(1,80)	1:545:A:PHE:N	1:545:A:PHE:CA	1:545:A:PHE:C	1:546:A:THR:N	20	2.61
(1,80)	1:545:A:PHE:N	1:545:A:PHE:CA	1:545:A:PHE:C	1:546:A:THR:N	4	2.59
(1,80)	1:545:A:PHE:N	1:545:A:PHE:CA	1:545:A:PHE:C	1:546:A:THR:N	16	2.59
(1,74)	1:542:A:LEU:N	1:542:A:LEU:CA	1:542:A:LEU:C	1:543:A:GLN:N	7	2.59
(1,74)	1:542:A:LEU:N	1:542:A:LEU:CA	1:542:A:LEU:C	1:543:A:GLN:N	8	2.54
(1,74)	1:542:A:LEU:N	1:542:A:LEU:CA	1:542:A:LEU:C	1:543:A:GLN:N	12	2.52
(1,74)	1:542:A:LEU:N	1:542:A:LEU:CA	1:542:A:LEU:C	1:543:A:GLN:N	17	2.51
(1,80)	1:545:A:PHE:N	1:545:A:PHE:CA	1:545:A:PHE:C	1:546:A:THR:N	3	2.5
(1,74)	1:542:A:LEU:N	1:542:A:LEU:CA	1:542:A:LEU:C	1:543:A:GLN:N	14	2.5
(1,80)	1:545:A:PHE:N	1:545:A:PHE:CA	1:545:A:PHE:C	1:546:A:THR:N	6	2.48
(1,80)	1:545:A:PHE:N	1:545:A:PHE:CA	1:545:A:PHE:C	1:546:A:THR:N	2	2.46
(1,74)	1:542:A:LEU:N	1:542:A:LEU:CA	1:542:A:LEU:C	1:543:A:GLN:N	1	2.46

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,80)	1:545:A:PHE:N	1:545:A:PHE:CA	1:545:A:PHE:C	1:546:A:THR:N	11	2.43
(1,74)	1:542:A:LEU:N	1:542:A:LEU:CA	1:542:A:LEU:C	1:543:A:GLN:N	20	2.38
(1,74)	1:542:A:LEU:N	1:542:A:LEU:CA	1:542:A:LEU:C	1:543:A:GLN:N	13	2.35
(1,74)	1:542:A:LEU:N	1:542:A:LEU:CA	1:542:A:LEU:C	1:543:A:GLN:N	18	2.32
(1,2)	1:486:A:MET:N	1:486:A:MET:CA	1:486:A:MET:C	1:487:A:GLN:N	13	2.27
(1,80)	1:545:A:PHE:N	1:545:A:PHE:CA	1:545:A:PHE:C	1:546:A:THR:N	15	2.26
(1,74)	1:542:A:LEU:N	1:542:A:LEU:CA	1:542:A:LEU:C	1:543:A:GLN:N	19	2.21
(1,10)	1:490:A:ARG:N	1:490:A:ARG:CA	1:490:A:ARG:C	1:491:A:ILE:N	8	2.21
(1,80)	1:545:A:PHE:N	1:545:A:PHE:CA	1:545:A:PHE:C	1:546:A:THR:N	10	2.14
(1,74)	1:542:A:LEU:N	1:542:A:LEU:CA	1:542:A:LEU:C	1:543:A:GLN:N	2	2.14
(1,2)	1:486:A:MET:N	1:486:A:MET:CA	1:486:A:MET:C	1:487:A:GLN:N	15	2.14
(1,74)	1:542:A:LEU:N	1:542:A:LEU:CA	1:542:A:LEU:C	1:543:A:GLN:N	5	2.13
(1,74)	1:542:A:LEU:N	1:542:A:LEU:CA	1:542:A:LEU:C	1:543:A:GLN:N	3	2.12
(1,74)	1:542:A:LEU:N	1:542:A:LEU:CA	1:542:A:LEU:C	1:543:A:GLN:N	15	2.12
(1,80)	1:545:A:PHE:N	1:545:A:PHE:CA	1:545:A:PHE:C	1:546:A:THR:N	18	2.11
(1,2)	1:486:A:MET:N	1:486:A:MET:CA	1:486:A:MET:C	1:487:A:GLN:N	17	2.11
(1,74)	1:542:A:LEU:N	1:542:A:LEU:CA	1:542:A:LEU:C	1:543:A:GLN:N	6	2.1
(1,10)	1:490:A:ARG:N	1:490:A:ARG:CA	1:490:A:ARG:C	1:491:A:ILE:N	16	2.09
(1,74)	1:542:A:LEU:N	1:542:A:LEU:CA	1:542:A:LEU:C	1:543:A:GLN:N	10	2.07
(1,2)	1:486:A:MET:N	1:486:A:MET:CA	1:486:A:MET:C	1:487:A:GLN:N	1	2.06
(1,10)	1:490:A:ARG:N	1:490:A:ARG:CA	1:490:A:ARG:C	1:491:A:ILE:N	17	2.03
(1,2)	1:486:A:MET:N	1:486:A:MET:CA	1:486:A:MET:C	1:487:A:GLN:N	4	2.02
(1,31)	1:504:A:ILE:C	1:505:A:VAL:N	1:505:A:VAL:CA	1:505:A:VAL:C	17	2.0
(1,88)	1:549:A:ARG:N	1:549:A:ARG:CA	1:549:A:ARG:C	1:550:A:ILE:N	15	1.98
(1,10)	1:490:A:ARG:N	1:490:A:ARG:CA	1:490:A:ARG:C	1:491:A:ILE:N	13	1.96
(1,88)	1:549:A:ARG:N	1:549:A:ARG:CA	1:549:A:ARG:C	1:550:A:ILE:N	11	1.94
(1,74)	1:542:A:LEU:N	1:542:A:LEU:CA	1:542:A:LEU:C	1:543:A:GLN:N	4	1.94
(1,2)	1:486:A:MET:N	1:486:A:MET:CA	1:486:A:MET:C	1:487:A:GLN:N	19	1.92
(1,31)	1:504:A:ILE:C	1:505:A:VAL:N	1:505:A:VAL:CA	1:505:A:VAL:C	14	1.9
(1,88)	1:549:A:ARG:N	1:549:A:ARG:CA	1:549:A:ARG:C	1:550:A:ILE:N	1	1.89
(1,88)	1:549:A:ARG:N	1:549:A:ARG:CA	1:549:A:ARG:C	1:550:A:ILE:N	10	1.84
(1,31)	1:504:A:ILE:C	1:505:A:VAL:N	1:505:A:VAL:CA	1:505:A:VAL:C	2	1.84
(1,10)	1:490:A:ARG:N	1:490:A:ARG:CA	1:490:A:ARG:C	1:491:A:ILE:N	2	1.84
(1,2)	1:486:A:MET:N	1:486:A:MET:CA	1:486:A:MET:C	1:487:A:GLN:N	7	1.84
(1,59)	1:528:A:HIS:C	1:529:A:SER:N	1:529:A:SER:CA	1:529:A:SER:C	1	1.83
(1,88)	1:549:A:ARG:N	1:549:A:ARG:CA	1:549:A:ARG:C	1:550:A:ILE:N	19	1.82
(1,31)	1:504:A:ILE:C	1:505:A:VAL:N	1:505:A:VAL:CA	1:505:A:VAL:C	19	1.82
(1,31)	1:504:A:ILE:C	1:505:A:VAL:N	1:505:A:VAL:CA	1:505:A:VAL:C	18	1.81
(1,2)	1:486:A:MET:N	1:486:A:MET:CA	1:486:A:MET:C	1:487:A:GLN:N	9	1.81
(1,2)	1:486:A:MET:N	1:486:A:MET:CA	1:486:A:MET:C	1:487:A:GLN:N	5	1.8
(1,88)	1:549:A:ARG:N	1:549:A:ARG:CA	1:549:A:ARG:C	1:550:A:ILE:N	12	1.79
(1,2)	1:486:A:MET:N	1:486:A:MET:CA	1:486:A:MET:C	1:487:A:GLN:N	3	1.79
(1,10)	1:490:A:ARG:N	1:490:A:ARG:CA	1:490:A:ARG:C	1:491:A:ILE:N	10	1.78
(1,88)	1:549:A:ARG:N	1:549:A:ARG:CA	1:549:A:ARG:C	1:550:A:ILE:N	6	1.77
(1,88)	1:549:A:ARG:N	1:549:A:ARG:CA	1:549:A:ARG:C	1:550:A:ILE:N	17	1.76
(1,31)	1:504:A:ILE:C	1:505:A:VAL:N	1:505:A:VAL:CA	1:505:A:VAL:C	11	1.76
(1,2)	1:486:A:MET:N	1:486:A:MET:CA	1:486:A:MET:C	1:487:A:GLN:N	20	1.76
(1,59)	1:528:A:HIS:C	1:529:A:SER:N	1:529:A:SER:CA	1:529:A:SER:C	18	1.75
(1,10)	1:490:A:ARG:N	1:490:A:ARG:CA	1:490:A:ARG:C	1:491:A:ILE:N	7	1.75
(1,10)	1:490:A:ARG:N	1:490:A:ARG:CA	1:490:A:ARG:C	1:491:A:ILE:N	14	1.74
(1,10)	1:490:A:ARG:N	1:490:A:ARG:CA	1:490:A:ARG:C	1:491:A:ILE:N	18	1.74

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,31)	1:504:A:ILE:C	1:505:A:VAL:N	1:505:A:VAL:CA	1:505:A:VAL:C	13	1.73
(1,31)	1:504:A:ILE:C	1:505:A:VAL:N	1:505:A:VAL:CA	1:505:A:VAL:C	6	1.72
(1,31)	1:504:A:ILE:C	1:505:A:VAL:N	1:505:A:VAL:CA	1:505:A:VAL:C	9	1.72
(1,31)	1:504:A:ILE:C	1:505:A:VAL:N	1:505:A:VAL:CA	1:505:A:VAL:C	20	1.72
(1,88)	1:549:A:ARG:N	1:549:A:ARG:CA	1:549:A:ARG:C	1:550:A:ILE:N	2	1.7
(1,88)	1:549:A:ARG:N	1:549:A:ARG:CA	1:549:A:ARG:C	1:550:A:ILE:N	16	1.68
(1,10)	1:490:A:ARG:N	1:490:A:ARG:CA	1:490:A:ARG:C	1:491:A:ILE:N	3	1.68
(1,2)	1:486:A:MET:N	1:486:A:MET:CA	1:486:A:MET:C	1:487:A:GLN:N	18	1.68
(1,31)	1:504:A:ILE:C	1:505:A:VAL:N	1:505:A:VAL:CA	1:505:A:VAL:C	7	1.67
(1,31)	1:504:A:ILE:C	1:505:A:VAL:N	1:505:A:VAL:CA	1:505:A:VAL:C	10	1.67
(1,2)	1:486:A:MET:N	1:486:A:MET:CA	1:486:A:MET:C	1:487:A:GLN:N	12	1.67
(1,40)	1:509:A:ALA:N	1:509:A:ALA:CA	1:509:A:ALA:C	1:510:A:ASN:N	17	1.65
(1,10)	1:490:A:ARG:N	1:490:A:ARG:CA	1:490:A:ARG:C	1:491:A:ILE:N	20	1.65
(1,88)	1:549:A:ARG:N	1:549:A:ARG:CA	1:549:A:ARG:C	1:550:A:ILE:N	20	1.64
(1,31)	1:504:A:ILE:C	1:505:A:VAL:N	1:505:A:VAL:CA	1:505:A:VAL:C	15	1.64
(1,2)	1:486:A:MET:N	1:486:A:MET:CA	1:486:A:MET:C	1:487:A:GLN:N	2	1.64
(1,31)	1:504:A:ILE:C	1:505:A:VAL:N	1:505:A:VAL:CA	1:505:A:VAL:C	4	1.62
(1,59)	1:528:A:HIS:C	1:529:A:SER:N	1:529:A:SER:CA	1:529:A:SER:C	16	1.6
(1,88)	1:549:A:ARG:N	1:549:A:ARG:CA	1:549:A:ARG:C	1:550:A:ILE:N	4	1.59
(1,59)	1:528:A:HIS:C	1:529:A:SER:N	1:529:A:SER:CA	1:529:A:SER:C	15	1.59
(1,31)	1:504:A:ILE:C	1:505:A:VAL:N	1:505:A:VAL:CA	1:505:A:VAL:C	12	1.58
(1,88)	1:549:A:ARG:N	1:549:A:ARG:CA	1:549:A:ARG:C	1:550:A:ILE:N	14	1.57
(1,2)	1:486:A:MET:N	1:486:A:MET:CA	1:486:A:MET:C	1:487:A:GLN:N	6	1.57
(1,2)	1:486:A:MET:N	1:486:A:MET:CA	1:486:A:MET:C	1:487:A:GLN:N	11	1.57
(1,31)	1:504:A:ILE:C	1:505:A:VAL:N	1:505:A:VAL:CA	1:505:A:VAL:C	1	1.56
(1,59)	1:528:A:HIS:C	1:529:A:SER:N	1:529:A:SER:CA	1:529:A:SER:C	20	1.55
(1,31)	1:504:A:ILE:C	1:505:A:VAL:N	1:505:A:VAL:CA	1:505:A:VAL:C	3	1.55
(1,10)	1:490:A:ARG:N	1:490:A:ARG:CA	1:490:A:ARG:C	1:491:A:ILE:N	19	1.55
(1,88)	1:549:A:ARG:N	1:549:A:ARG:CA	1:549:A:ARG:C	1:550:A:ILE:N	7	1.54
(1,88)	1:549:A:ARG:N	1:549:A:ARG:CA	1:549:A:ARG:C	1:550:A:ILE:N	18	1.54
(1,88)	1:549:A:ARG:N	1:549:A:ARG:CA	1:549:A:ARG:C	1:550:A:ILE:N	3	1.53
(1,80)	1:545:A:PHE:N	1:545:A:PHE:CA	1:545:A:PHE:C	1:546:A:THR:N	8	1.53
(1,31)	1:504:A:ILE:C	1:505:A:VAL:N	1:505:A:VAL:CA	1:505:A:VAL:C	5	1.53
(1,80)	1:545:A:PHE:N	1:545:A:PHE:CA	1:545:A:PHE:C	1:546:A:THR:N	17	1.52
(1,31)	1:504:A:ILE:C	1:505:A:VAL:N	1:505:A:VAL:CA	1:505:A:VAL:C	16	1.51
(1,2)	1:486:A:MET:N	1:486:A:MET:CA	1:486:A:MET:C	1:487:A:GLN:N	8	1.51
(1,31)	1:504:A:ILE:C	1:505:A:VAL:N	1:505:A:VAL:CA	1:505:A:VAL:C	8	1.5
(1,59)	1:528:A:HIS:C	1:529:A:SER:N	1:529:A:SER:CA	1:529:A:SER:C	2	1.49
(1,88)	1:549:A:ARG:N	1:549:A:ARG:CA	1:549:A:ARG:C	1:550:A:ILE:N	8	1.46
(1,10)	1:490:A:ARG:N	1:490:A:ARG:CA	1:490:A:ARG:C	1:491:A:ILE:N	15	1.44
(1,88)	1:549:A:ARG:N	1:549:A:ARG:CA	1:549:A:ARG:C	1:550:A:ILE:N	5	1.41
(1,4)	1:487:A:GLN:N	1:487:A:GLN:CA	1:487:A:GLN:C	1:488:A:LEU:N	11	1.4
(1,59)	1:528:A:HIS:C	1:529:A:SER:N	1:529:A:SER:CA	1:529:A:SER:C	17	1.39
(1,78)	1:544:A:HIS:N	1:544:A:HIS:CA	1:544:A:HIS:C	1:545:A:PHE:N	14	1.36
(1,59)	1:528:A:HIS:C	1:529:A:SER:N	1:529:A:SER:CA	1:529:A:SER:C	9	1.36
(1,59)	1:528:A:HIS:C	1:529:A:SER:N	1:529:A:SER:CA	1:529:A:SER:C	13	1.35
(1,10)	1:490:A:ARG:N	1:490:A:ARG:CA	1:490:A:ARG:C	1:491:A:ILE:N	11	1.35
(1,2)	1:486:A:MET:N	1:486:A:MET:CA	1:486:A:MET:C	1:487:A:GLN:N	16	1.35
(1,88)	1:549:A:ARG:N	1:549:A:ARG:CA	1:549:A:ARG:C	1:550:A:ILE:N	13	1.34
(1,59)	1:528:A:HIS:C	1:529:A:SER:N	1:529:A:SER:CA	1:529:A:SER:C	4	1.34
(1,59)	1:528:A:HIS:C	1:529:A:SER:N	1:529:A:SER:CA	1:529:A:SER:C	11	1.34

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,10)	1:490:A:ARG:N	1:490:A:ARG:CA	1:490:A:ARG:C	1:491:A:ILE:N	4	1.32
(1,59)	1:528:A:HIS:C	1:529:A:SER:N	1:529:A:SER:CA	1:529:A:SER:C	5	1.3
(1,80)	1:545:A:PHE:N	1:545:A:PHE:CA	1:545:A:PHE:C	1:546:A:THR:N	14	1.29
(1,10)	1:490:A:ARG:N	1:490:A:ARG:CA	1:490:A:ARG:C	1:491:A:ILE:N	1	1.27
(1,59)	1:528:A:HIS:C	1:529:A:SER:N	1:529:A:SER:CA	1:529:A:SER:C	12	1.25
(1,10)	1:490:A:ARG:N	1:490:A:ARG:CA	1:490:A:ARG:C	1:491:A:ILE:N	5	1.23
(1,80)	1:545:A:PHE:N	1:545:A:PHE:CA	1:545:A:PHE:C	1:546:A:THR:N	7	1.22
(1,59)	1:528:A:HIS:C	1:529:A:SER:N	1:529:A:SER:CA	1:529:A:SER:C	3	1.22
(1,59)	1:528:A:HIS:C	1:529:A:SER:N	1:529:A:SER:CA	1:529:A:SER:C	6	1.22
(1,18)	1:497:A:ASP:N	1:497:A:ASP:CA	1:497:A:ASP:C	1:498:A:GLY:N	14	1.22
(1,10)	1:490:A:ARG:N	1:490:A:ARG:CA	1:490:A:ARG:C	1:491:A:ILE:N	12	1.19
(1,59)	1:528:A:HIS:C	1:529:A:SER:N	1:529:A:SER:CA	1:529:A:SER:C	8	1.16
(1,10)	1:490:A:ARG:N	1:490:A:ARG:CA	1:490:A:ARG:C	1:491:A:ILE:N	9	1.15
(1,2)	1:486:A:MET:N	1:486:A:MET:CA	1:486:A:MET:C	1:487:A:GLN:N	14	1.15
(1,10)	1:490:A:ARG:N	1:490:A:ARG:CA	1:490:A:ARG:C	1:491:A:ILE:N	6	1.14
(1,2)	1:486:A:MET:N	1:486:A:MET:CA	1:486:A:MET:C	1:487:A:GLN:N	10	1.14
(1,59)	1:528:A:HIS:C	1:529:A:SER:N	1:529:A:SER:CA	1:529:A:SER:C	7	1.09
(1,88)	1:549:A:ARG:N	1:549:A:ARG:CA	1:549:A:ARG:C	1:550:A:ILE:N	9	1.07
(1,84)	1:547:A:ARG:N	1:547:A:ARG:CA	1:547:A:ARG:C	1:548:A:THR:N	3	1.06
(1,27)	1:502:A:ARG:C	1:503:A:HIS:N	1:503:A:HIS:CA	1:503:A:HIS:C	14	1.06
(1,59)	1:528:A:HIS:C	1:529:A:SER:N	1:529:A:SER:CA	1:529:A:SER:C	10	1.03
(1,18)	1:497:A:ASP:N	1:497:A:ASP:CA	1:497:A:ASP:C	1:498:A:GLY:N	10	1.03