



Full wwPDB NMR Structure Validation Report ⓘ

Dec 25, 2024 – 03:37 AM EST

PDB ID : 5JYN
BMRB ID : 30090
Title : Structure of the transmembrane domain of HIV-1 gp41 in bicelle
Authors : Dev, J.; Fu, Q.; Park, D.; Chen, B.; Chou, J.J.
Deposited on : 2016-05-14

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

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

MolProbity : 4.02b-467
Percentile statistics : 20231227.v01 (using entries in the PDB archive December 27th 2023)
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) : 2.40

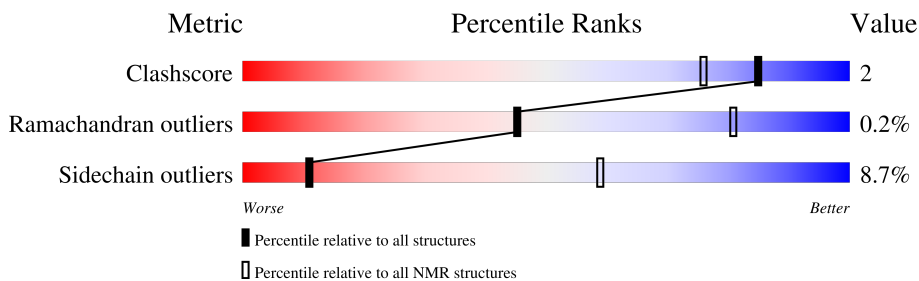
1 Overall quality at a glance i

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 8%.

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	210492	14027
Ramachandran outliers	207382	12486
Sidechain outliers	206894	12463

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	40	
1	B	40	
1	C	40	

2 Ensemble composition and analysis

This entry contains 15 models. Model 12 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

The following residues are included in the computation of the global validation metrics.

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:679-A:714, B:679-B:714, C:679-C:715 (109)	1.08	12

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

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

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

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

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 2070 atoms, of which 1077 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Envelope glycoprotein gp160.

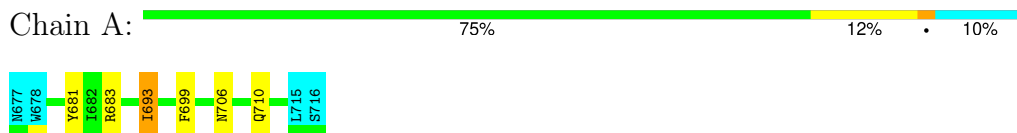
Mol	Chain	Residues	Atoms					Trace
1	A	40	Total	C	H	N	O	0
			690	224	359	57	50	
1	B	40	Total	C	H	N	O	0
			690	224	359	57	50	
1	C	40	Total	C	H	N	O	0
			690	224	359	57	50	

4 Residue-property plots [i](#)

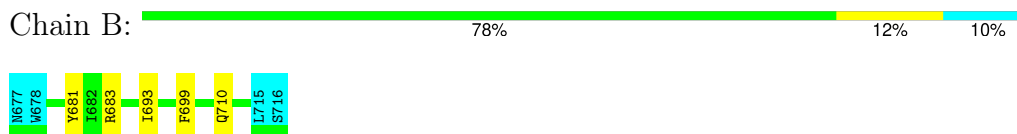
4.1 Average score per residue in the NMR ensemble

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.

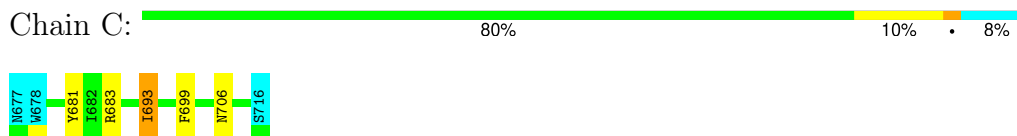
- Molecule 1: Envelope glycoprotein gp160



- Molecule 1: Envelope glycoprotein gp160



- Molecule 1: Envelope glycoprotein gp160

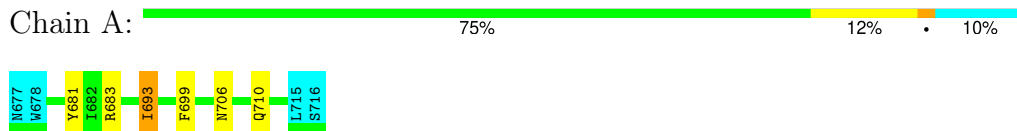


4.2 Scores per residue for each member of the ensemble

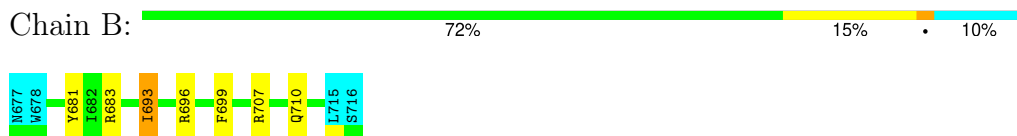
Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

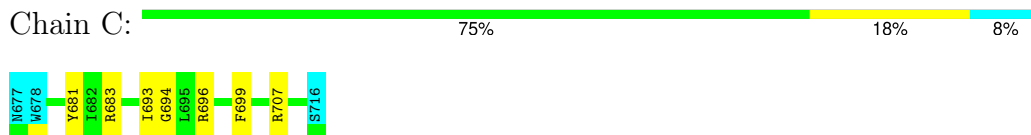
- Molecule 1: Envelope glycoprotein gp160



- Molecule 1: Envelope glycoprotein gp160

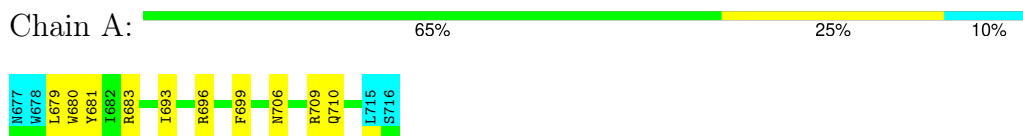


- Molecule 1: Envelope glycoprotein gp160

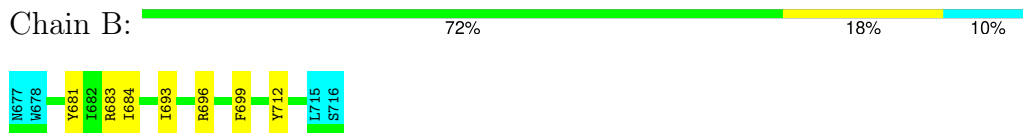


4.2.2 Score per residue for model 2

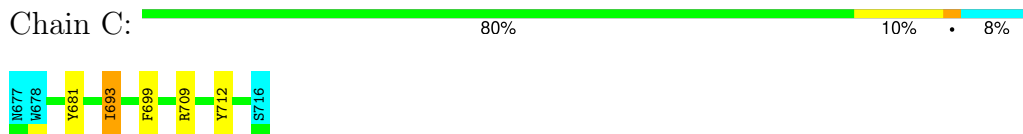
- Molecule 1: Envelope glycoprotein gp160



- Molecule 1: Envelope glycoprotein gp160

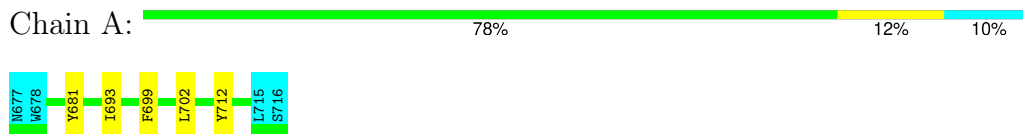


- Molecule 1: Envelope glycoprotein gp160



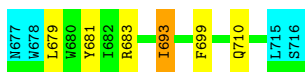
4.2.3 Score per residue for model 3

- Molecule 1: Envelope glycoprotein gp160



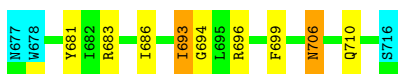
- Molecule 1: Envelope glycoprotein gp160

Chain B:  75% 12% 10%




- Molecule 1: Envelope glycoprotein gp160

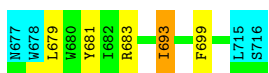
Chain C:  70% 18% 5% 8%



4.2.4 Score per residue for model 4

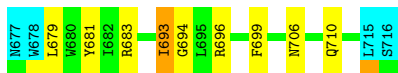
- Molecule 1: Envelope glycoprotein gp160

Chain A:  78% 10% 10%



- Molecule 1: Envelope glycoprotein gp160

Chain B:  68% 20% 10%




- Molecule 1: Envelope glycoprotein gp160

Chain C:  78% 15% 8%



4.2.5 Score per residue for model 5

- Molecule 1: Envelope glycoprotein gp160

Chain A:  80% 10% 10%

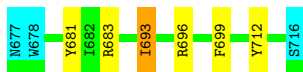
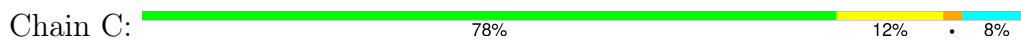


- Molecule 1: Envelope glycoprotein gp160

Chain B:  70% 12% 8% 10%

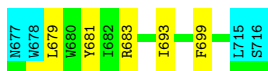
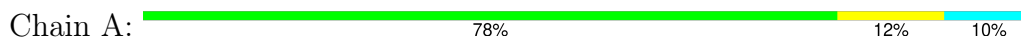


- Molecule 1: Envelope glycoprotein gp160

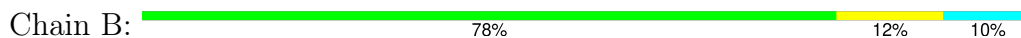


4.2.6 Score per residue for model 6

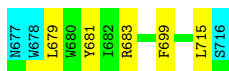
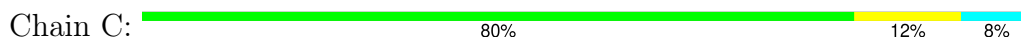
- Molecule 1: Envelope glycoprotein gp160



- Molecule 1: Envelope glycoprotein gp160

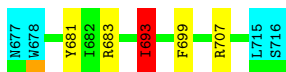
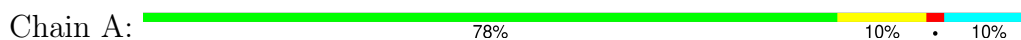


- Molecule 1: Envelope glycoprotein gp160

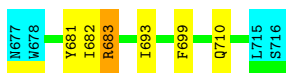


4.2.7 Score per residue for model 7

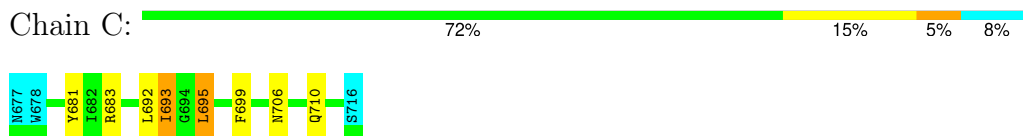
- Molecule 1: Envelope glycoprotein gp160



- Molecule 1: Envelope glycoprotein gp160

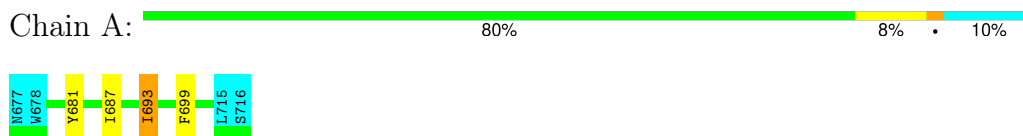


- Molecule 1: Envelope glycoprotein gp160

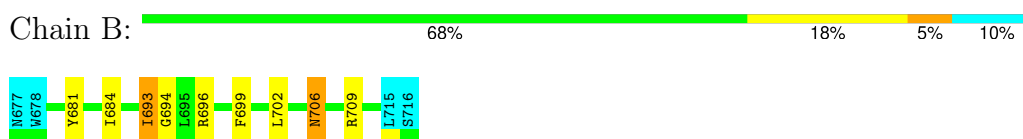


4.2.8 Score per residue for model 8

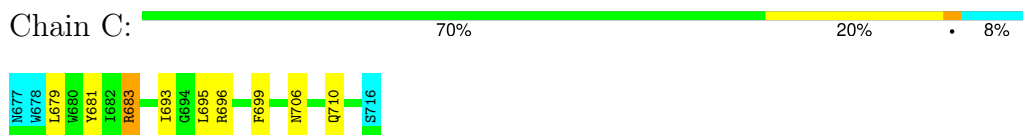
- Molecule 1: Envelope glycoprotein gp160



- Molecule 1: Envelope glycoprotein gp160

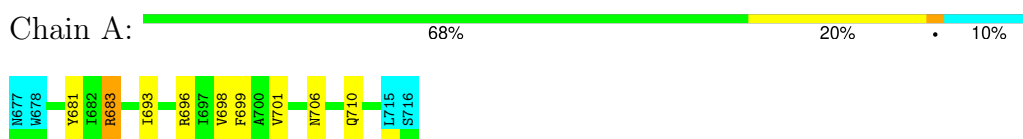


- Molecule 1: Envelope glycoprotein gp160

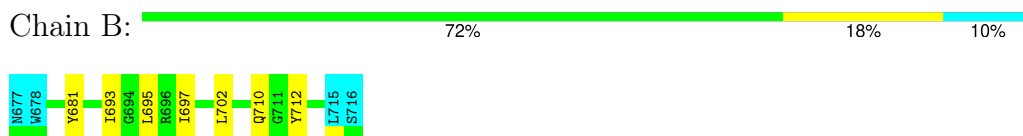


4.2.9 Score per residue for model 9

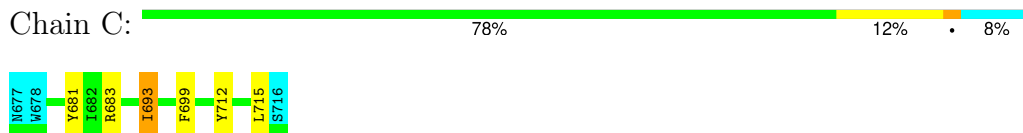
- Molecule 1: Envelope glycoprotein gp160



- Molecule 1: Envelope glycoprotein gp160

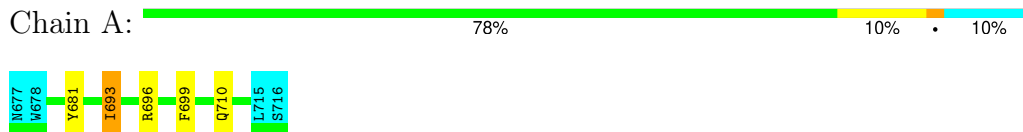


- Molecule 1: Envelope glycoprotein gp160

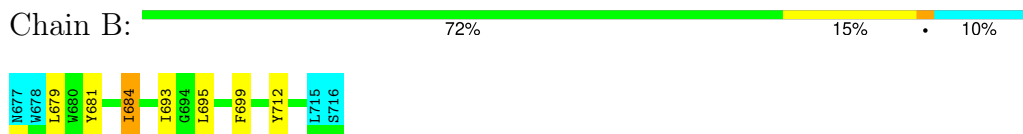


4.2.10 Score per residue for model 10

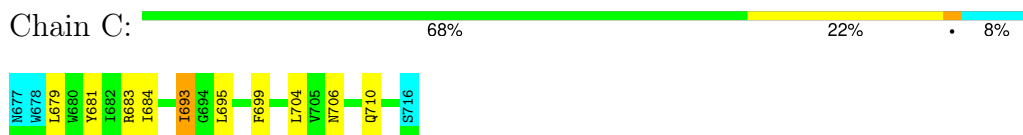
- Molecule 1: Envelope glycoprotein gp160



- Molecule 1: Envelope glycoprotein gp160

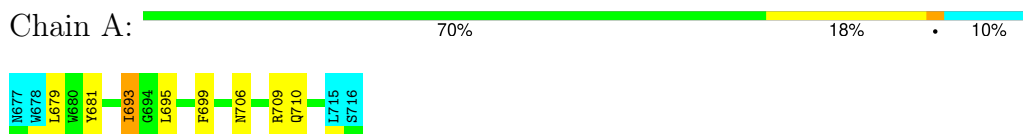


- Molecule 1: Envelope glycoprotein gp160

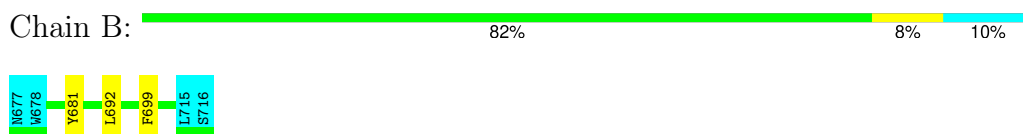


4.2.11 Score per residue for model 11

- Molecule 1: Envelope glycoprotein gp160



- Molecule 1: Envelope glycoprotein gp160



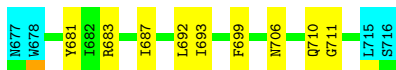
- Molecule 1: Envelope glycoprotein gp160





4.2.12 Score per residue for model 12 (medoid)

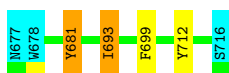
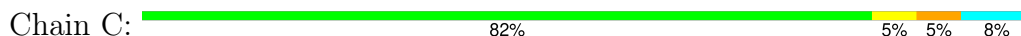
- Molecule 1: Envelope glycoprotein gp160



- Molecule 1: Envelope glycoprotein gp160

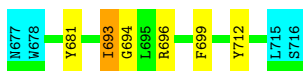


- Molecule 1: Envelope glycoprotein gp160

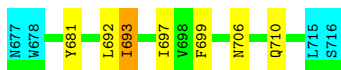


4.2.13 Score per residue for model 13

- Molecule 1: Envelope glycoprotein gp160



- Molecule 1: Envelope glycoprotein gp160

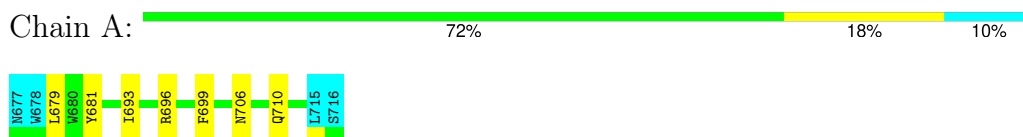


- Molecule 1: Envelope glycoprotein gp160

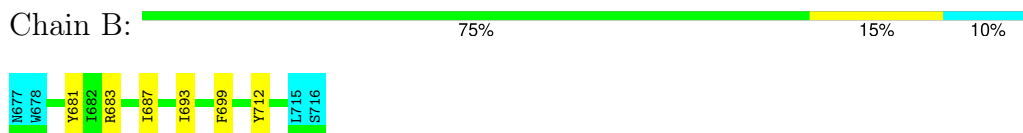


4.2.14 Score per residue for model 14

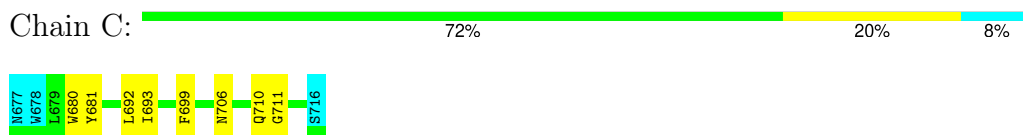
- Molecule 1: Envelope glycoprotein gp160



- Molecule 1: Envelope glycoprotein gp160

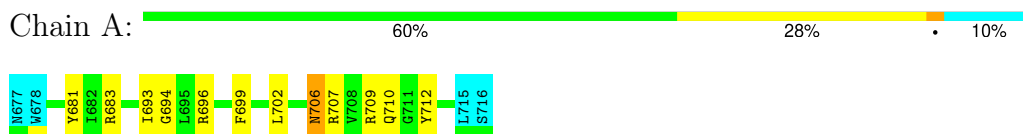


- Molecule 1: Envelope glycoprotein gp160

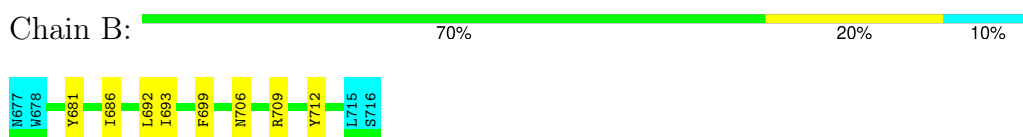


4.2.15 Score per residue for model 15

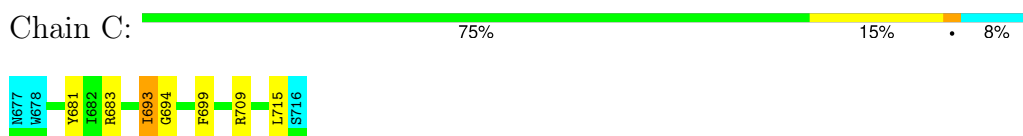
- Molecule 1: Envelope glycoprotein gp160



- Molecule 1: Envelope glycoprotein gp160



- Molecule 1: Envelope glycoprotein gp160



5 Refinement protocol and experimental data overview

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

Of the 150 calculated structures, 15 were deposited, based on the following criterion: *structures with the lowest energy*.

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

Software name	Classification	Version
XPLOR-NIH	structure calculation	2.42
XPLOR-NIH	refinement	2.42

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	149
Number of shifts mapped to atoms	149
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	8%

6 Model quality i

6.1 Standard geometry i

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	2.43±0.01	3±1/301 (0.9± 0.3%)	0.92±0.04	0±0/410 (0.0± 0.1%)
1	B	2.44±0.02	3±0/301 (0.8± 0.2%)	0.89±0.03	0±0/410 (0.0± 0.0%)
1	C	2.43±0.02	3±1/309 (0.8± 0.2%)	0.91±0.04	0±1/421 (0.1± 0.2%)
All	All	2.43	117/13665 (0.9%)	0.91	6/18615 (0.0%)

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

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

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

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	C	681	TYR	CB-CG	6.26	1.61	1.51	12	15
1	A	699	PHE	CB-CG	6.07	1.61	1.51	10	14
1	A	681	TYR	CB-CG	6.02	1.60	1.51	8	15
1	B	681	TYR	CB-CG	6.00	1.60	1.51	5	15
1	B	699	PHE	CB-CG	5.94	1.61	1.51	1	14
1	C	699	PHE	CB-CG	5.80	1.61	1.51	15	15
1	A	712	TYR	CB-CG	5.74	1.60	1.51	3	3
1	B	712	TYR	CB-CG	5.47	1.59	1.51	10	6
1	A	687	ILE	N-CA	5.39	1.57	1.46	12	1
1	C	712	TYR	CB-CG	5.34	1.59	1.51	2	4
1	A	694	GLY	N-CA	5.24	1.53	1.46	13	2
1	A	711	GLY	N-CA	5.21	1.53	1.46	12	1
1	A	710	GLN	N-CA	5.17	1.56	1.46	11	1
1	A	683	ARG	N-CA	5.16	1.56	1.46	9	2

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	C	693	ILE	N-CA	5.12	1.56	1.46	3	1
1	B	694	GLY	N-CA	5.12	1.53	1.46	4	2
1	C	711	GLY	N-CA	5.12	1.53	1.46	14	1
1	B	710	GLN	N-CA	5.09	1.56	1.46	7	1
1	A	693	ILE	CA-CB	5.07	1.66	1.54	7	1
1	C	694	GLY	N-CA	5.05	1.53	1.46	3	3

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

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
1	C	712	TYR	CB-CG-CD2	6.64	124.98	121.00	12	2
1	C	712	TYR	CB-CG-CD1	6.45	124.87	121.00	5	2
1	A	712	TYR	CB-CG-CD2	5.61	124.37	121.00	15	1
1	A	712	TYR	CB-CG-CD1	-5.59	117.65	121.00	15	1

There are no chirality outliers.

All unique planar outliers are listed below.

Mol	Chain	Res	Type	Group	Models (Total)
1	A	696	ARG	Sidechain	1

6.2 Too-close contacts [i](#)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	294	325	325	2±1
1	B	294	325	325	2±1
1	C	302	336	336	2±1
All	All	13350	14790	14790	59

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 2.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:693:ILE:HD11	1:B:696:ARG:HE	0.61	1.55	8	5
1:A:696:ARG:HE	1:C:693:ILE:HD11	0.61	1.54	2	5
1:B:693:ILE:HD11	1:C:696:ARG:HE	0.57	1.59	4	6
1:A:706:ASN:O	1:A:710:GLN:N	0.56	2.39	12	6
1:C:706:ASN:O	1:C:710:GLN:N	0.53	2.42	10	7
1:B:706:ASN:O	1:B:710:GLN:N	0.52	2.42	4	3
1:B:693:ILE:HD12	1:B:693:ILE:O	0.50	2.07	13	1
1:C:695:LEU:O	1:C:695:LEU:HD22	0.50	2.06	7	1
1:A:706:ASN:HD22	1:A:709:ARG:HE	0.46	1.53	11	1
1:B:682:ILE:HD12	1:B:683:ARG:N	0.45	2.27	7	2
1:B:684:ILE:O	1:B:684:ILE:HD13	0.45	2.12	10	1
1:A:693:ILE:HD12	1:A:693:ILE:O	0.44	2.13	7	2
1:B:679:LEU:O	1:B:683:ARG:N	0.44	2.50	3	1
1:C:693:ILE:HD12	1:C:693:ILE:O	0.44	2.13	13	3
1:C:693:ILE:O	1:C:693:ILE:HD13	0.44	2.13	12	3
1:A:693:ILE:HD13	1:A:693:ILE:O	0.43	2.13	11	2
1:B:693:ILE:O	1:B:693:ILE:HD13	0.42	2.14	5	1
1:B:706:ASN:O	1:B:709:ARG:N	0.42	2.52	8	2
1:B:686:ILE:HD12	1:B:686:ILE:N	0.42	2.30	15	2
1:A:679:LEU:O	1:A:683:ARG:N	0.41	2.53	2	1
1:C:679:LEU:O	1:C:683:ARG:N	0.41	2.53	13	2
1:A:706:ASN:HD22	1:A:709:ARG:NE	0.41	2.14	11	1
1:B:687:ILE:HD12	1:B:687:ILE:N	0.40	2.30	14	1

6.3 Torsion angles [i](#)

6.3.1 Protein backbone [i](#)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	36/40 (90%)	36±1 (99±2%)	0±1 (1±2%)	0±0 (0±0%)	100	100
1	B	36/40 (90%)	36±0 (100±1%)	0±0 (0±1%)	0±0 (0±0%)	100	100
1	C	37/40 (92%)	36±1 (98±2%)	1±1 (2±2%)	0±0 (1±1%)	27	74
All	All	1635/1800 (91%)	1618 (99%)	14 (1%)	3 (0%)	45	81

All 1 unique Ramachandran outliers are listed below.

Mol	Chain	Res	Type	Models (Total)
1	C	715	LEU	3

6.3.2 Protein sidechains [i](#)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	32/36 (89%)	29±1 (92±4%)	3±1 (8±4%)	13	62
1	B	32/36 (89%)	29±1 (91±4%)	3±1 (9±4%)	10	56
1	C	33/36 (92%)	30±1 (91±3%)	3±1 (9±3%)	10	58
All	All	1455/1620 (90%)	1328 (91%)	127 (9%)	11	59

All 43 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	B	693	ILE	14
1	C	693	ILE	14
1	A	693	ILE	13
1	C	683	ARG	9
1	B	683	ARG	8
1	A	683	ARG	6
1	B	710	GLN	4
1	A	679	LEU	4
1	B	684	ILE	3
1	B	679	LEU	3
1	C	679	LEU	3
1	C	695	LEU	3
1	B	692	LEU	3
1	C	707	ARG	2
1	A	709	ARG	2
1	C	709	ARG	2
1	A	702	LEU	2
1	A	707	ARG	2
1	C	692	LEU	2
1	B	702	LEU	2
1	B	695	LEU	2
1	B	697	ILE	2

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Mol	Chain	Res	Type	Models (Total)
1	C	680	TRP	2
1	B	707	ARG	1
1	A	680	TRP	1
1	A	699	PHE	1
1	C	686	ILE	1
1	C	706	ASN	1
1	B	681	TYR	1
1	B	685	PHE	1
1	A	687	ILE	1
1	B	706	ASN	1
1	A	698	VAL	1
1	A	701	VAL	1
1	A	710	GLN	1
1	C	684	ILE	1
1	C	704	LEU	1
1	A	695	LEU	1
1	A	692	LEU	1
1	C	681	TYR	1
1	C	702	LEU	1
1	C	715	LEU	1
1	A	706	ASN	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 [i](#)

The completeness of assignment taking into account all chemical shift lists is 8% for the well-defined parts and 8% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *CS.bmrb*

7.1.1 Bookkeeping [i](#)

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	149
Number of shifts mapped to atoms	149
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 [i](#)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	36	0.28 \pm 0.11	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	0	—	None (insufficient data)
$^{13}\text{C}'$	39	0.30 \pm 0.11	None needed (< 0.5 ppm)
^{15}N	37	0.19 \pm 0.30	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments [i](#)

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 8%, i.e. 141 atoms were assigned a chemical shift out of a possible 1707. 0 out of 31 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	141/548 (26%)	35/224 (16%)	71/218 (33%)	35/106 (33%)
Sidechain	0/1009 (0%)	0/675 (0%)	0/292 (0%)	0/42 (0%)

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	Total	¹ H	¹³ C	¹⁵ N
Aromatic	0/150 (0%)	0/72 (0%)	0/75 (0%)	0/3 (0%)
Overall	141/1707 (8%)	35/971 (4%)	71/585 (12%)	35/151 (23%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 8%, i.e. 149 atoms were assigned a chemical shift out of a possible 1863. 0 out of 33 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	149/603 (25%)	37/246 (15%)	75/240 (31%)	37/117 (32%)
Sidechain	0/1074 (0%)	0/717 (0%)	0/312 (0%)	0/45 (0%)
Aromatic	0/186 (0%)	0/90 (0%)	0/90 (0%)	0/6 (0%)
Overall	149/1863 (8%)	37/1053 (4%)	75/642 (12%)	37/168 (22%)

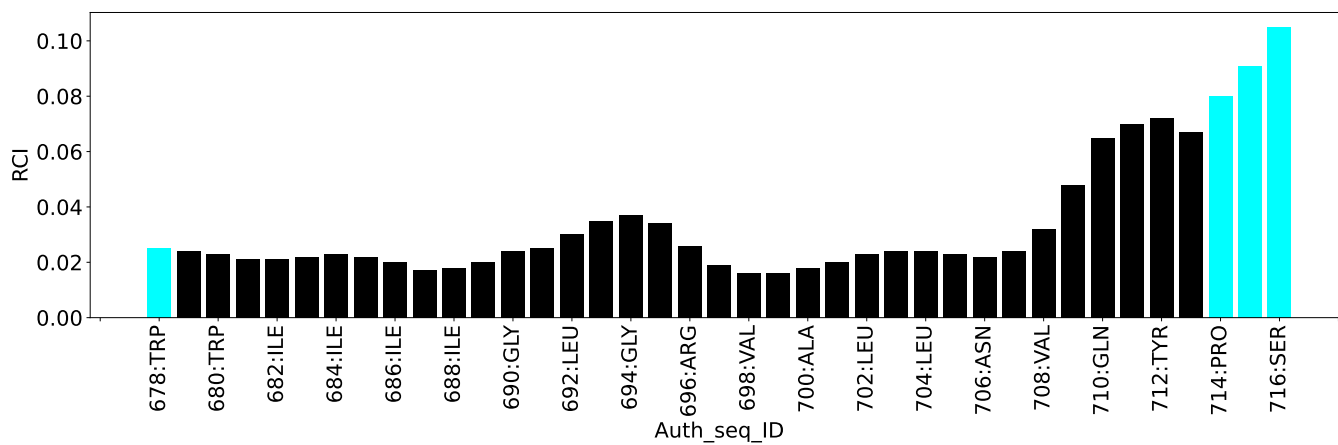
7.1.4 Statistically unusual chemical shifts [i](#)

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	585
Intra-residue ($ i-j =0$)	84
Sequential ($ i-j =1$)	204
Medium range ($ i-j >1$ and $ i-j <5$)	270
Long range ($ i-j \geq 5$)	27
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	70
Number of unmapped restraints	0
Number of restraints per residue	5.5
Number of long range restraints per residue ¹	0.2

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)	45.0	0.2
0.2-0.5 (Medium)	87.6	0.5
>0.5 (Large)	89.0	14.67

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)	29.0	8.39
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis i

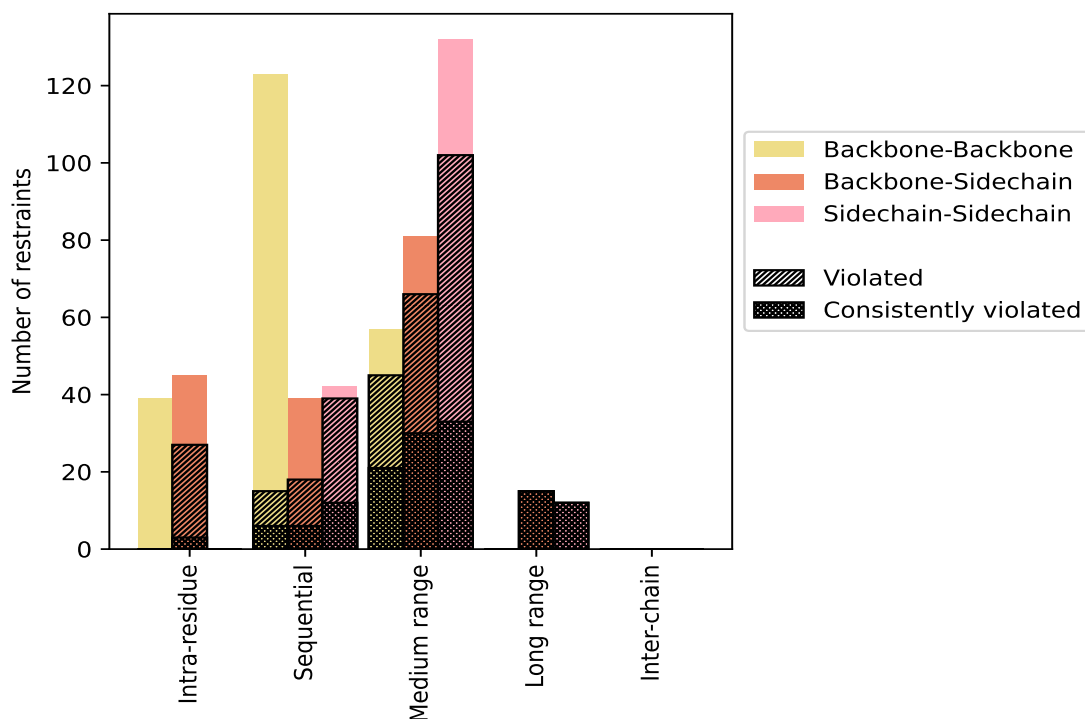
9.1 Summary of distance violations i

The following table shows the summary of distance violations in different restraint categories based on the sequence separation of the atoms involved. Each category is further sub-divided into three sub-categories based on the atoms involved. Violations less than 0.1 Å are not included in the statistics.

Restrains type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue ($i-j =0$)	84	14.4	27	32.1	4.6	3	3.6	0.5
Backbone-Backbone	39	6.7	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	45	7.7	27	60.0	4.6	3	6.7	0.5
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sequential ($i-j =1$)	204	34.9	72	35.3	12.3	24	11.8	4.1
Backbone-Backbone	123	21.0	15	12.2	2.6	6	4.9	1.0
Backbone-Sidechain	39	6.7	18	46.2	3.1	6	15.4	1.0
Sidechain-Sidechain	42	7.2	39	92.9	6.7	12	28.6	2.1
Medium range ($i-j >1$ & $i-j <5$)	270	46.2	213	78.9	36.4	84	31.1	14.4
Backbone-Backbone	57	9.7	45	78.9	7.7	21	36.8	3.6
Backbone-Sidechain	81	13.8	66	81.5	11.3	30	37.0	5.1
Sidechain-Sidechain	132	22.6	102	77.3	17.4	33	25.0	5.6
Long range ($i-j \geq 5$)	27	4.6	27	100.0	4.6	27	100.0	4.6
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	15	2.6	15	100.0	2.6	15	100.0	2.6
Sidechain-Sidechain	12	2.1	12	100.0	2.1	12	100.0	2.1
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	585	100.0	339	57.9	57.9	138	23.6	23.6
Backbone-Backbone	219	37.4	60	27.4	10.3	27	12.3	4.6
Backbone-Sidechain	180	30.8	126	70.0	21.5	54	30.0	9.2
Sidechain-Sidechain	186	31.8	153	82.3	26.2	57	30.6	9.7

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

9.1.1 Bar chart : Distribution of distance restraints and violations [i](#)



Violated and consistently violated restraints are shown using different hatch patterns in their respective categories. The hydrogen bonds and disulfid 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	15	45	162	27	0	249	1.32	13.8	2.46	0.36
2	12	36	144	27	0	219	1.42	13.66	2.52	0.38
3	9	42	138	27	0	216	1.48	13.64	2.55	0.39
4	9	42	138	27	0	216	1.49	13.9	2.55	0.42
5	12	36	138	27	0	213	1.57	14.46	2.71	0.42
6	6	48	153	27	0	234	1.41	13.78	2.49	0.42
7	12	63	156	27	0	258	1.26	13.09	2.34	0.36
8	9	33	141	27	0	210	1.52	13.63	2.53	0.44
9	12	30	138	27	0	207	1.53	13.57	2.6	0.39
10	9	45	138	27	0	219	1.39	12.6	2.44	0.34

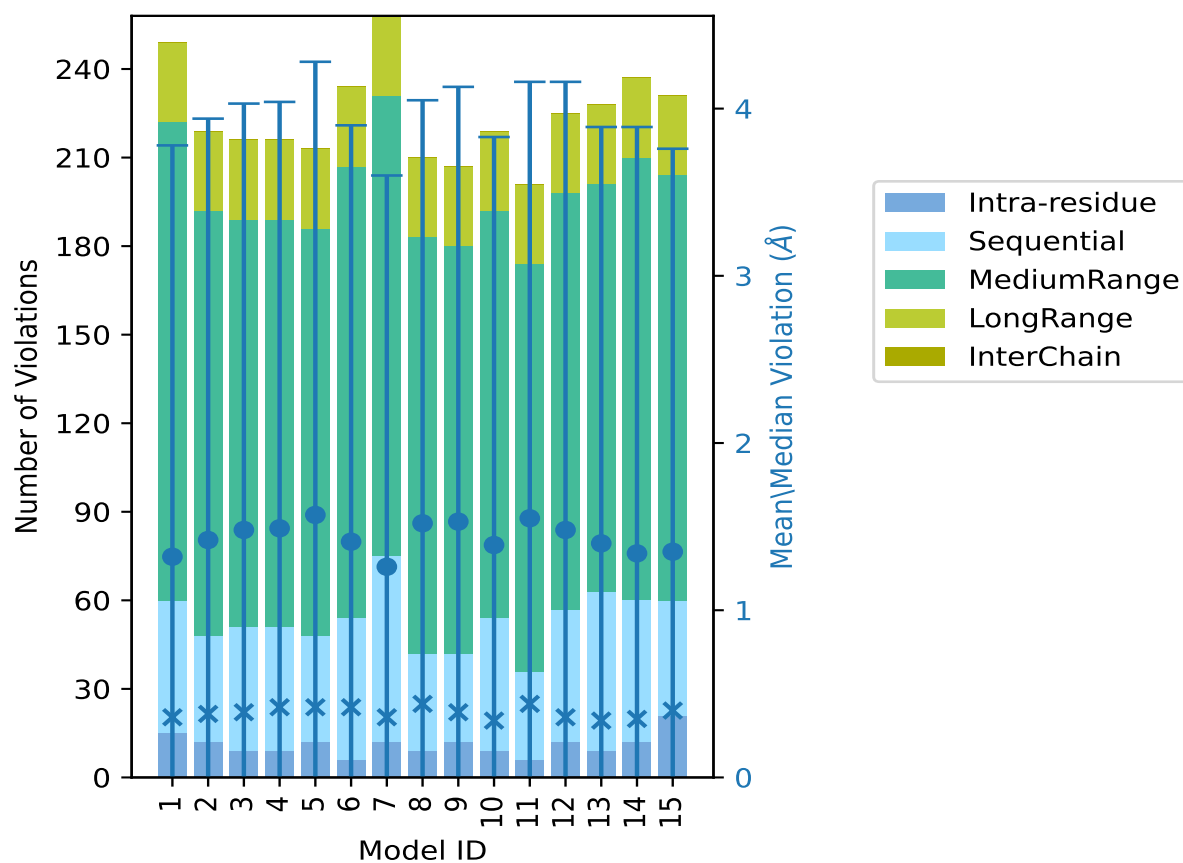
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	6	30	138	27	0	201	1.55	13.74	2.61	0.44
12	12	45	141	27	0	225	1.48	14.67	2.68	0.36
13	9	54	138	27	0	228	1.4	13.67	2.49	0.34
14	12	48	150	27	0	237	1.34	13.79	2.55	0.35
15	21	39	144	27	0	231	1.35	13.54	2.41	0.4

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 [i](#)



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

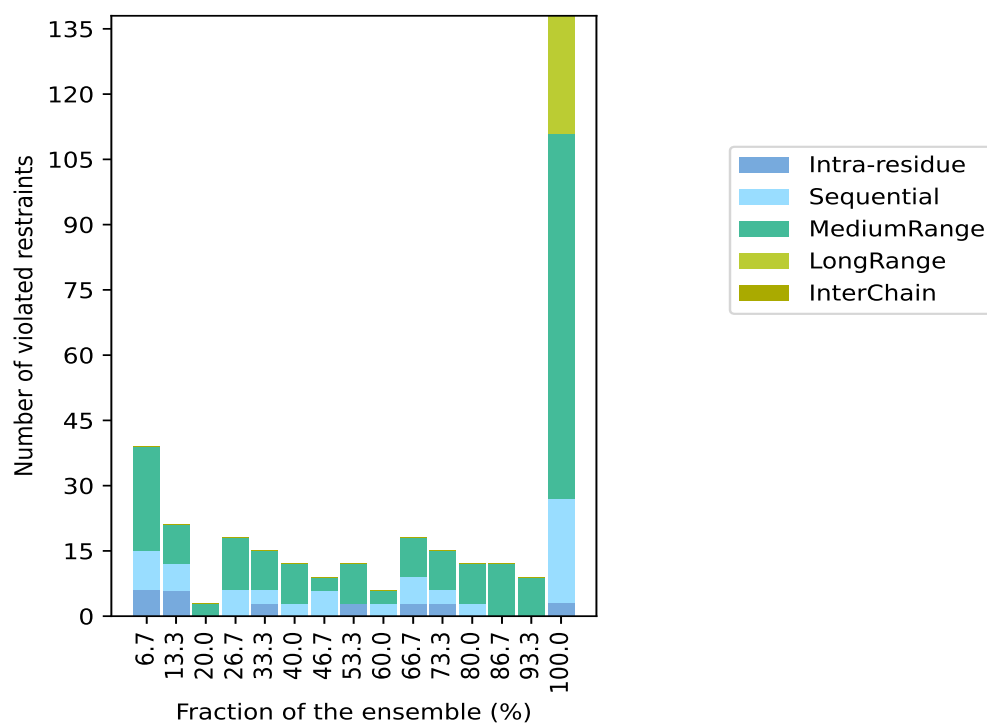
9.3 Distance violation statistics for the ensemble

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, 246(IR:57, SQ:132, MR:57, LR:0, 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	%
6	9	24	0	0	39	1	6.7
6	6	9	0	0	21	2	13.3
0	0	3	0	0	3	3	20.0
0	6	12	0	0	18	4	26.7
3	3	9	0	0	15	5	33.3
0	3	9	0	0	12	6	40.0
0	6	3	0	0	9	7	46.7
3	0	9	0	0	12	8	53.3
0	3	3	0	0	6	9	60.0
3	6	9	0	0	18	10	66.7
3	3	9	0	0	15	11	73.3
0	3	9	0	0	12	12	80.0
0	0	12	0	0	12	13	86.7
0	0	9	0	0	9	14	93.3
3	24	84	27	0	138	15	100.0

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

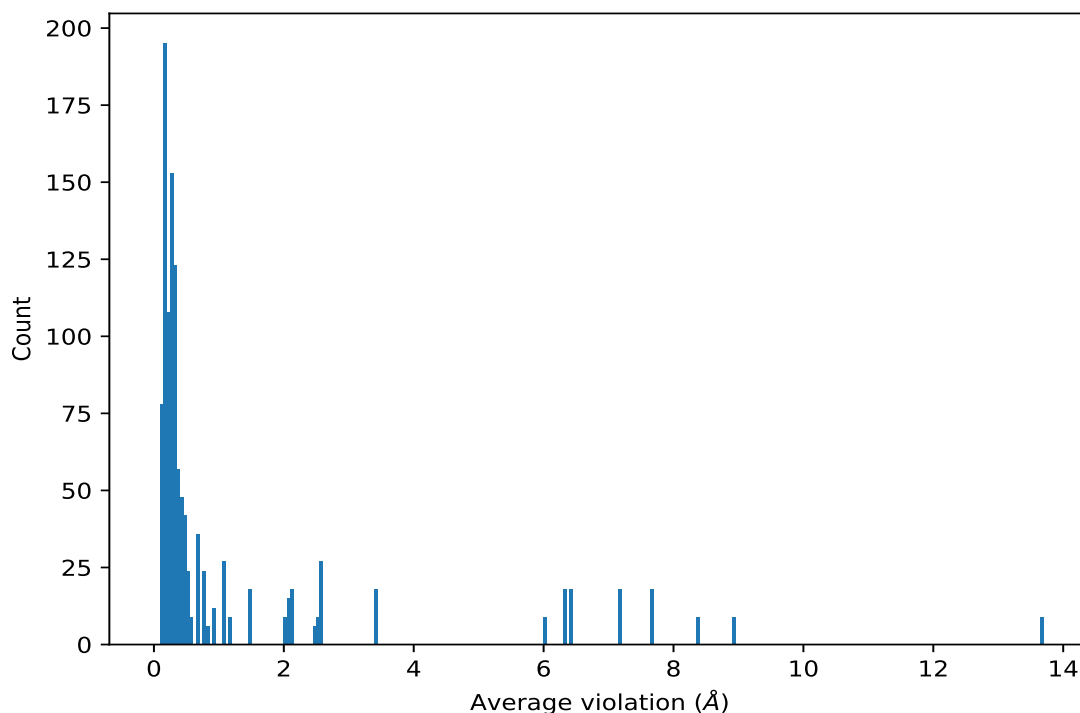
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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)
(1,70)	1:704:C:LEU:HD21	1:714:C:PRO:HA	15	13.7	0.46	13.67
(1,70)	1:704:C:LEU:HD22	1:714:C:PRO:HA	15	13.7	0.46	13.67
(1,70)	1:704:C:LEU:HD23	1:714:C:PRO:HA	15	13.7	0.46	13.67
(1,71)	1:704:C:LEU:HD21	1:714:C:PRO:HA	15	13.7	0.46	13.67
(1,71)	1:704:C:LEU:HD22	1:714:C:PRO:HA	15	13.7	0.46	13.67
(1,71)	1:704:C:LEU:HD23	1:714:C:PRO:HA	15	13.7	0.46	13.67
(1,72)	1:704:C:LEU:HD21	1:714:C:PRO:HA	15	13.7	0.46	13.67
(1,72)	1:704:C:LEU:HD22	1:714:C:PRO:HA	15	13.7	0.46	13.67
(1,72)	1:704:C:LEU:HD23	1:714:C:PRO:HA	15	13.7	0.46	13.67
(1,67)	1:704:C:LEU:HD11	1:713:C:SER:HA	15	8.91	0.47	8.74
(1,67)	1:704:C:LEU:HD12	1:713:C:SER:HA	15	8.91	0.47	8.74
(1,67)	1:704:C:LEU:HD13	1:713:C:SER:HA	15	8.91	0.47	8.74
(1,68)	1:704:C:LEU:HD11	1:713:C:SER:HA	15	8.91	0.47	8.74
(1,68)	1:704:C:LEU:HD12	1:713:C:SER:HA	15	8.91	0.47	8.74
(1,68)	1:704:C:LEU:HD13	1:713:C:SER:HA	15	8.91	0.47	8.74
(1,69)	1:704:C:LEU:HD11	1:713:C:SER:HA	15	8.91	0.47	8.74

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,69)	1:704:C:LEU:HD12	1:713:C:SER:HA	15	8.91	0.47	8.74
(1,69)	1:704:C:LEU:HD13	1:713:C:SER:HA	15	8.91	0.47	8.74
(1,82)	1:708:C:VAL:HG21	1:714:C:PRO:HA	15	8.38	0.33	8.27
(1,82)	1:708:C:VAL:HG22	1:714:C:PRO:HA	15	8.38	0.33	8.27
(1,82)	1:708:C:VAL:HG23	1:714:C:PRO:HA	15	8.38	0.33	8.27
(1,83)	1:708:C:VAL:HG21	1:714:C:PRO:HA	15	8.38	0.33	8.27
(1,83)	1:708:C:VAL:HG22	1:714:C:PRO:HA	15	8.38	0.33	8.27
(1,83)	1:708:C:VAL:HG23	1:714:C:PRO:HA	15	8.38	0.33	8.27
(1,84)	1:708:C:VAL:HG21	1:714:C:PRO:HA	15	8.38	0.33	8.27
(1,84)	1:708:C:VAL:HG22	1:714:C:PRO:HA	15	8.38	0.33	8.27
(1,84)	1:708:C:VAL:HG23	1:714:C:PRO:HA	15	8.38	0.33	8.27
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	15	7.65	0.4	7.63
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	15	7.65	0.4	7.63
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	15	7.65	0.4	7.63
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	15	7.65	0.4	7.63
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	15	7.65	0.4	7.63
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	15	7.65	0.4	7.63
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	15	7.65	0.4	7.63
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	15	7.65	0.4	7.63
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	15	7.65	0.4	7.63
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	15	7.65	0.4	7.63
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	15	7.65	0.4	7.63
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	15	7.65	0.4	7.63
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	15	7.65	0.4	7.63
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	15	7.65	0.4	7.63
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	15	7.65	0.4	7.63
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	15	7.65	0.4	7.63
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	15	7.65	0.4	7.63
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	15	7.65	0.4	7.63
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	15	7.18	0.61	7.07
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	15	7.18	0.61	7.07
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	15	7.18	0.61	7.07
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	15	7.18	0.61	7.07
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	15	7.18	0.61	7.07
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	15	7.18	0.61	7.07
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	15	7.18	0.61	7.07
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	15	7.18	0.61	7.07
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	15	7.18	0.61	7.07
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	15	7.18	0.61	7.07
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	15	7.18	0.61	7.07
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	15	7.18	0.61	7.07
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	15	7.18	0.61	7.07

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	15	7.18	0.61	7.07
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	15	7.18	0.61	7.07
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	15	7.18	0.61	7.07
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	15	7.18	0.61	7.07
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	15	7.18	0.61	7.07
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	15	6.43	0.24	6.43
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	15	6.43	0.24	6.43
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	15	6.43	0.24	6.43
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	15	6.43	0.24	6.43
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	15	6.43	0.24	6.43
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	15	6.43	0.24	6.43
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	15	6.43	0.24	6.43
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	15	6.43	0.24	6.43
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	15	6.43	0.24	6.43
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	15	6.43	0.24	6.43
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	15	6.43	0.24	6.43
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	15	6.43	0.24	6.43
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	15	6.43	0.24	6.43
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	15	6.43	0.24	6.43
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	15	6.43	0.24	6.43
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	15	6.43	0.24	6.43
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	15	6.43	0.24	6.43
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	15	6.43	0.24	6.43
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	15	6.31	0.44	6.43
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	15	6.31	0.44	6.43
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	15	6.31	0.44	6.43
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	15	6.31	0.44	6.43
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	15	6.31	0.44	6.43
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	15	6.31	0.44	6.43
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	15	6.31	0.44	6.43
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	15	6.31	0.44	6.43
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	15	6.31	0.44	6.43
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	15	6.31	0.44	6.43
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	15	6.31	0.44	6.43
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	15	6.31	0.44	6.43
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	15	6.31	0.44	6.43
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	15	6.31	0.44	6.43
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	15	6.31	0.44	6.43
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	15	6.31	0.44	6.43
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	15	6.31	0.44	6.43
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	15	6.31	0.44	6.43
(1,76)	1:708:C:VAL:HG21	1:713:C:SER:HA	15	6.04	0.31	6.05

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,76)	1:708:C:VAL:HG22	1:713:C:SER:HA	15	6.04	0.31	6.05
(1,76)	1:708:C:VAL:HG23	1:713:C:SER:HA	15	6.04	0.31	6.05
(1,77)	1:708:C:VAL:HG21	1:713:C:SER:HA	15	6.04	0.31	6.05
(1,77)	1:708:C:VAL:HG22	1:713:C:SER:HA	15	6.04	0.31	6.05
(1,77)	1:708:C:VAL:HG23	1:713:C:SER:HA	15	6.04	0.31	6.05
(1,78)	1:708:C:VAL:HG21	1:713:C:SER:HA	15	6.04	0.31	6.05
(1,78)	1:708:C:VAL:HG22	1:713:C:SER:HA	15	6.04	0.31	6.05
(1,78)	1:708:C:VAL:HG23	1:713:C:SER:HA	15	6.04	0.31	6.05
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH11	15	3.41	0.38	3.37
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH12	15	3.41	0.38	3.37
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH11	15	3.41	0.38	3.37
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH12	15	3.41	0.38	3.37
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH11	15	3.41	0.38	3.37
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH12	15	3.41	0.38	3.37
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH11	15	3.41	0.38	3.37
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH12	15	3.41	0.38	3.37
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH11	15	3.41	0.38	3.37
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH12	15	3.41	0.38	3.37
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH11	15	3.41	0.38	3.37
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH12	15	3.41	0.38	3.37
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH11	15	3.41	0.38	3.37
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH12	15	3.41	0.38	3.37
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH11	15	3.41	0.38	3.37
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH12	15	3.41	0.38	3.37
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH11	15	3.41	0.38	3.37
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH12	15	3.41	0.38	3.37
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	15	2.57	0.1	2.57
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	15	2.57	0.1	2.57
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	15	2.57	0.1	2.57
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	15	2.57	0.1	2.57
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	15	2.57	0.1	2.57
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	15	2.57	0.1	2.57
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	15	2.57	0.1	2.57
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	15	2.57	0.1	2.57
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	15	2.57	0.1	2.57
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	15	2.57	0.1	2.57
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	15	2.57	0.1	2.57
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	15	2.57	0.1	2.57
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	15	2.57	0.1	2.57
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	15	2.57	0.1	2.57
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	15	2.57	0.1	2.57
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	15	2.57	0.1	2.57

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	15	2.57	0.1	2.57
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	15	2.57	0.1	2.57
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	15	2.57	0.1	2.57
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	15	2.57	0.1	2.57
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	15	2.57	0.1	2.57
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	15	2.57	0.1	2.57
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	15	2.57	0.1	2.57
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	15	2.57	0.1	2.57
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	15	2.57	0.1	2.57
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	15	2.57	0.1	2.57
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	15	2.57	0.1	2.57
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	15	2.53	0.24	2.6
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	15	2.53	0.24	2.6
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	15	2.53	0.24	2.6
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	15	2.53	0.24	2.6
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	15	2.53	0.24	2.6
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	15	2.53	0.24	2.6
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	15	2.53	0.24	2.6
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	15	2.53	0.24	2.6
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	15	2.53	0.24	2.6
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	15	2.12	0.55	2.14
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	15	2.12	0.55	2.14
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	15	2.12	0.55	2.14
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	15	2.12	0.55	2.14
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	15	2.12	0.55	2.14
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	15	2.12	0.55	2.14
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	15	2.12	0.55	2.14
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	15	2.12	0.55	2.14
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	15	2.12	0.55	2.14
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	15	2.12	0.55	2.14
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	15	2.12	0.55	2.14
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	15	2.12	0.55	2.14
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	15	2.12	0.55	2.14
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	15	2.12	0.55	2.14
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	15	2.12	0.55	2.14
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	15	2.12	0.55	2.14
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	15	2.12	0.55	2.14
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	15	2.12	0.55	2.14
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	15	2.07	0.42	1.81
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	15	2.07	0.42	1.81
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	15	2.07	0.42	1.81
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	15	2.07	0.42	1.81

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	15	2.07	0.42	1.81
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	15	2.07	0.42	1.81
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	15	2.07	0.42	1.81
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	15	2.07	0.42	1.81
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	15	2.07	0.42	1.81
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	15	2.06	0.2	2.06
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	15	2.06	0.2	2.06
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	15	2.06	0.2	2.06
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	15	2.06	0.2	2.06
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	15	2.06	0.2	2.06
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	15	2.06	0.2	2.06
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	15	2.03	0.24	2.1
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	15	2.03	0.24	2.1
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	15	2.03	0.24	2.1
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	15	2.03	0.24	2.1
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	15	2.03	0.24	2.1
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	15	2.03	0.24	2.1
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	15	2.03	0.24	2.1
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	15	2.03	0.24	2.1
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	15	2.03	0.24	2.1
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	15	1.08	0.08	1.08
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	15	1.08	0.08	1.08
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	15	1.08	0.08	1.08
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	15	1.08	0.08	1.08
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	15	1.08	0.08	1.08
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	15	1.08	0.08	1.08
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	15	1.08	0.08	1.08
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	15	1.08	0.08	1.08
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	15	1.08	0.08	1.08
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	15	1.08	0.08	1.08
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	15	1.08	0.08	1.08
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	15	1.08	0.08	1.08
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	15	1.08	0.08	1.08
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	15	1.08	0.08	1.08
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	15	1.08	0.08	1.08
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	15	1.08	0.08	1.08
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	15	1.08	0.08	1.08
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	15	1.08	0.08	1.08
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	15	1.08	0.08	1.08
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	15	1.08	0.08	1.08
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	15	1.08	0.08	1.08
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	15	1.08	0.08	1.08

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	15	1.08	0.08	1.08
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	15	1.08	0.08	1.08
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	15	1.08	0.08	1.08
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	15	1.08	0.08	1.08
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	15	1.08	0.08	1.08
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD21	15	0.94	0.25	1.03
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD22	15	0.94	0.25	1.03
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD23	15	0.94	0.25	1.03
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD21	15	0.94	0.25	1.03
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD22	15	0.94	0.25	1.03
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD23	15	0.94	0.25	1.03
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD21	15	0.94	0.25	1.03
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD22	15	0.94	0.25	1.03
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD23	15	0.94	0.25	1.03
(1,251)	1:715:C:LEU:H	1:713:C:SER:HA	15	0.93	0.02	0.92
(1,418)	1:715:C:LEU:H	1:713:C:SER:HA	15	0.93	0.02	0.92
(1,585)	1:715:C:LEU:H	1:713:C:SER:HA	15	0.93	0.02	0.92
(1,94)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	15	0.85	0.21	0.82
(1,94)	1:683:C:ARG:HE	1:680:C:TRP:HE3	15	0.85	0.21	0.82
(1,261)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	15	0.85	0.21	0.82
(1,261)	1:683:C:ARG:HE	1:680:C:TRP:HE3	15	0.85	0.21	0.82
(1,428)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	15	0.85	0.21	0.82
(1,428)	1:683:C:ARG:HE	1:680:C:TRP:HE3	15	0.85	0.21	0.82
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	15	0.78	0.34	0.71
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	15	0.78	0.34	0.71
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	15	0.78	0.34	0.71
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	15	0.78	0.34	0.71
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	15	0.78	0.34	0.71
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	15	0.78	0.34	0.71
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	15	0.78	0.34	0.71
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	15	0.78	0.34	0.71
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	15	0.78	0.34	0.71
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	15	0.78	0.34	0.71
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	15	0.78	0.34	0.71
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	15	0.78	0.34	0.71
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	15	0.78	0.34	0.71
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	15	0.78	0.34	0.71
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	15	0.78	0.34	0.71
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	15	0.78	0.34	0.71
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	15	0.78	0.34	0.71
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	15	0.78	0.34	0.71
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB2	15	0.75	0.16	0.69

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB3	15	0.75	0.16	0.69
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB2	15	0.75	0.16	0.69
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB3	15	0.75	0.16	0.69
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB2	15	0.75	0.16	0.69
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB3	15	0.75	0.16	0.69
(1,125)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	15	0.67	0.29	0.72
(1,125)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	15	0.67	0.29	0.72
(1,125)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	15	0.67	0.29	0.72
(1,125)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	15	0.67	0.29	0.72
(1,125)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	15	0.67	0.29	0.72
(1,125)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	15	0.67	0.29	0.72
(1,292)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	15	0.67	0.29	0.72
(1,292)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	15	0.67	0.29	0.72
(1,292)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	15	0.67	0.29	0.72
(1,292)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	15	0.67	0.29	0.72
(1,292)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	15	0.67	0.29	0.72
(1,292)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	15	0.67	0.29	0.72
(1,459)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	15	0.67	0.29	0.72
(1,459)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	15	0.67	0.29	0.72
(1,459)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	15	0.67	0.29	0.72
(1,459)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	15	0.67	0.29	0.72
(1,459)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	15	0.67	0.29	0.72
(1,459)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	15	0.67	0.29	0.72
(1,89)	1:682:C:ILE:HG21	1:679:C:LEU:H	15	0.59	0.17	0.59
(1,89)	1:682:C:ILE:HG22	1:679:C:LEU:H	15	0.59	0.17	0.59
(1,89)	1:682:C:ILE:HG23	1:679:C:LEU:H	15	0.59	0.17	0.59
(1,256)	1:682:C:ILE:HG21	1:679:C:LEU:H	15	0.59	0.17	0.59
(1,256)	1:682:C:ILE:HG22	1:679:C:LEU:H	15	0.59	0.17	0.59
(1,256)	1:682:C:ILE:HG23	1:679:C:LEU:H	15	0.59	0.17	0.59
(1,423)	1:682:C:ILE:HG21	1:679:C:LEU:H	15	0.59	0.17	0.59
(1,423)	1:682:C:ILE:HG22	1:679:C:LEU:H	15	0.59	0.17	0.59
(1,423)	1:682:C:ILE:HG23	1:679:C:LEU:H	15	0.59	0.17	0.59
(1,108)	1:684:C:ILE:HG21	1:688:C:ILE:H	15	0.54	0.15	0.54
(1,108)	1:684:C:ILE:HG22	1:688:C:ILE:H	15	0.54	0.15	0.54
(1,108)	1:684:C:ILE:HG23	1:688:C:ILE:H	15	0.54	0.15	0.54
(1,275)	1:684:C:ILE:HG21	1:688:C:ILE:H	15	0.54	0.15	0.54
(1,275)	1:684:C:ILE:HG22	1:688:C:ILE:H	15	0.54	0.15	0.54
(1,275)	1:684:C:ILE:HG23	1:688:C:ILE:H	15	0.54	0.15	0.54
(1,442)	1:684:C:ILE:HG21	1:688:C:ILE:H	15	0.54	0.15	0.54
(1,442)	1:684:C:ILE:HG22	1:688:C:ILE:H	15	0.54	0.15	0.54
(1,442)	1:684:C:ILE:HG23	1:688:C:ILE:H	15	0.54	0.15	0.54
(1,222)	1:709:C:ARG:H	1:707:C:ARG:H	15	0.53	0.07	0.52

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,389)	1:709:C:ARG:H	1:707:C:ARG:H	15	0.53	0.07	0.52
(1,556)	1:709:C:ARG:H	1:707:C:ARG:H	15	0.53	0.07	0.52
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG21	15	0.51	0.15	0.51
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG22	15	0.51	0.15	0.51
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG23	15	0.51	0.15	0.51
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG21	15	0.51	0.15	0.51
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG22	15	0.51	0.15	0.51
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG23	15	0.51	0.15	0.51
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG21	15	0.51	0.15	0.51
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG22	15	0.51	0.15	0.51
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG23	15	0.51	0.15	0.51
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD2	15	0.48	0.12	0.5
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD3	15	0.48	0.12	0.5
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD2	15	0.48	0.12	0.5
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD3	15	0.48	0.12	0.5
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD2	15	0.48	0.12	0.5
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD3	15	0.48	0.12	0.5
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD2	15	0.46	0.16	0.49
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD3	15	0.46	0.16	0.49
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD2	15	0.46	0.16	0.49
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD3	15	0.46	0.16	0.49
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD2	15	0.46	0.16	0.49
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD3	15	0.46	0.16	0.49
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	15	0.44	0.06	0.42
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	15	0.44	0.06	0.42
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	15	0.44	0.06	0.42
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	15	0.44	0.06	0.42
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	15	0.44	0.06	0.42
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	15	0.44	0.06	0.42
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	15	0.44	0.06	0.42
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	15	0.44	0.06	0.42
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	15	0.44	0.06	0.42
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	15	0.44	0.06	0.42
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	15	0.44	0.06	0.42
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	15	0.44	0.06	0.42
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	15	0.44	0.06	0.42
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	15	0.44	0.06	0.42
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	15	0.44	0.06	0.42
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	15	0.44	0.06	0.42
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	15	0.44	0.06	0.42
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	15	0.44	0.06	0.42
(1,131)	1:693:C:ILE:HG21	1:694:C:GLY:H	15	0.44	0.12	0.46

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,131)	1:693:C:ILE:HG22	1:694:C:GLY:H	15	0.44	0.12	0.46
(1,131)	1:693:C:ILE:HG23	1:694:C:GLY:H	15	0.44	0.12	0.46
(1,298)	1:693:C:ILE:HG21	1:694:C:GLY:H	15	0.44	0.12	0.46
(1,298)	1:693:C:ILE:HG22	1:694:C:GLY:H	15	0.44	0.12	0.46
(1,298)	1:693:C:ILE:HG23	1:694:C:GLY:H	15	0.44	0.12	0.46
(1,465)	1:693:C:ILE:HG21	1:694:C:GLY:H	15	0.44	0.12	0.46
(1,465)	1:693:C:ILE:HG22	1:694:C:GLY:H	15	0.44	0.12	0.46
(1,465)	1:693:C:ILE:HG23	1:694:C:GLY:H	15	0.44	0.12	0.46
(1,88)	1:681:C:TYR:H	1:680:C:TRP:HE3	15	0.43	0.11	0.44
(1,255)	1:681:C:TYR:H	1:680:C:TRP:HE3	15	0.43	0.11	0.44
(1,422)	1:681:C:TYR:H	1:680:C:TRP:HE3	15	0.43	0.11	0.44
(1,172)	1:703:C:SER:H	1:700:C:ALA:HA	15	0.39	0.04	0.38
(1,339)	1:703:C:SER:H	1:700:C:ALA:HA	15	0.39	0.04	0.38
(1,506)	1:703:C:SER:H	1:700:C:ALA:HA	15	0.39	0.04	0.38
(1,101)	1:684:C:ILE:HG21	1:681:C:TYR:HA	15	0.37	0.08	0.38
(1,101)	1:684:C:ILE:HG22	1:681:C:TYR:HA	15	0.37	0.08	0.38
(1,101)	1:684:C:ILE:HG23	1:681:C:TYR:HA	15	0.37	0.08	0.38
(1,268)	1:684:C:ILE:HG21	1:681:C:TYR:HA	15	0.37	0.08	0.38
(1,268)	1:684:C:ILE:HG22	1:681:C:TYR:HA	15	0.37	0.08	0.38
(1,268)	1:684:C:ILE:HG23	1:681:C:TYR:HA	15	0.37	0.08	0.38
(1,435)	1:684:C:ILE:HG21	1:681:C:TYR:HA	15	0.37	0.08	0.38
(1,435)	1:684:C:ILE:HG22	1:681:C:TYR:HA	15	0.37	0.08	0.38
(1,435)	1:684:C:ILE:HG23	1:681:C:TYR:HA	15	0.37	0.08	0.38
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	15	0.35	0.07	0.34
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	15	0.35	0.07	0.34
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	15	0.35	0.07	0.34
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	15	0.35	0.07	0.34
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	15	0.35	0.07	0.34
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	15	0.35	0.07	0.34
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	15	0.35	0.07	0.34
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	15	0.35	0.07	0.34
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	15	0.35	0.07	0.34
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	15	0.35	0.07	0.34
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	15	0.35	0.07	0.34
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	15	0.35	0.07	0.34
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	15	0.35	0.07	0.34
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	15	0.35	0.07	0.34
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	15	0.35	0.07	0.34
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	15	0.35	0.07	0.34
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	15	0.35	0.07	0.34
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	15	0.35	0.07	0.34
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	15	0.35	0.13	0.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	15	0.35	0.13	0.32
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	15	0.35	0.13	0.32
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	15	0.35	0.13	0.32
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	15	0.35	0.13	0.32
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	15	0.35	0.13	0.32
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	15	0.35	0.13	0.32
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	15	0.35	0.13	0.32
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	15	0.35	0.13	0.32
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	15	0.35	0.13	0.32
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	15	0.35	0.13	0.32
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	15	0.35	0.13	0.32
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	15	0.35	0.13	0.32
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	15	0.35	0.13	0.32
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	15	0.35	0.13	0.32
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	15	0.35	0.13	0.32
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	15	0.35	0.13	0.32
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	15	0.35	0.13	0.32
(1,214)	1:708:C:VAL:H	1:705:C:VAL:HA	15	0.33	0.07	0.32
(1,381)	1:708:C:VAL:H	1:705:C:VAL:HA	15	0.33	0.07	0.32
(1,548)	1:708:C:VAL:H	1:705:C:VAL:HA	15	0.33	0.07	0.32
(1,192)	1:705:C:VAL:HG11	1:702:C:LEU:HA	15	0.32	0.03	0.33
(1,192)	1:705:C:VAL:HG12	1:702:C:LEU:HA	15	0.32	0.03	0.33
(1,192)	1:705:C:VAL:HG13	1:702:C:LEU:HA	15	0.32	0.03	0.33
(1,359)	1:705:C:VAL:HG11	1:702:C:LEU:HA	15	0.32	0.03	0.33
(1,359)	1:705:C:VAL:HG12	1:702:C:LEU:HA	15	0.32	0.03	0.33
(1,359)	1:705:C:VAL:HG13	1:702:C:LEU:HA	15	0.32	0.03	0.33
(1,526)	1:705:C:VAL:HG11	1:702:C:LEU:HA	15	0.32	0.03	0.33
(1,526)	1:705:C:VAL:HG12	1:702:C:LEU:HA	15	0.32	0.03	0.33
(1,526)	1:705:C:VAL:HG13	1:702:C:LEU:HA	15	0.32	0.03	0.33
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	15	0.32	0.08	0.31
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	15	0.32	0.08	0.31
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	15	0.32	0.08	0.31
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	15	0.32	0.08	0.31
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	15	0.32	0.08	0.31
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	15	0.32	0.08	0.31
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	15	0.32	0.08	0.31
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	15	0.32	0.08	0.31
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	15	0.32	0.08	0.31
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	15	0.32	0.08	0.31
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	15	0.32	0.08	0.31
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	15	0.32	0.08	0.31
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	15	0.32	0.08	0.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	15	0.32	0.08	0.31
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	15	0.32	0.08	0.31
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	15	0.32	0.08	0.31
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	15	0.32	0.08	0.31
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	15	0.32	0.08	0.31
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	15	0.3	0.07	0.3
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	15	0.3	0.07	0.3
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	15	0.3	0.07	0.3
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	15	0.3	0.07	0.3
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	15	0.3	0.07	0.3
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	15	0.3	0.07	0.3
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	15	0.3	0.07	0.3
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	15	0.3	0.07	0.3
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	15	0.3	0.07	0.3
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	15	0.3	0.07	0.3
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	15	0.3	0.07	0.3
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	15	0.3	0.07	0.3
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	15	0.3	0.07	0.3
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	15	0.3	0.07	0.3
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	15	0.3	0.07	0.3
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	15	0.3	0.07	0.3
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	15	0.3	0.07	0.3
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	15	0.3	0.07	0.3
(1,198)	1:706:C:ASN:H	1:703:C:SER:HA	15	0.29	0.08	0.31
(1,365)	1:706:C:ASN:H	1:703:C:SER:HA	15	0.29	0.08	0.31
(1,532)	1:706:C:ASN:H	1:703:C:SER:HA	15	0.29	0.08	0.31
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	15	0.29	0.12	0.26
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	15	0.29	0.12	0.26
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	15	0.29	0.12	0.26
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	15	0.29	0.12	0.26
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	15	0.29	0.12	0.26
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	15	0.29	0.12	0.26
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	15	0.29	0.12	0.26
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	15	0.29	0.12	0.26
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	15	0.29	0.12	0.26
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	15	0.29	0.12	0.26
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	15	0.29	0.12	0.26
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	15	0.29	0.12	0.26
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	15	0.29	0.12	0.26
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	15	0.29	0.12	0.26
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	15	0.29	0.12	0.26
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	15	0.29	0.12	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	15	0.29	0.12	0.26
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	15	0.29	0.12	0.26
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	15	0.29	0.07	0.29
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	15	0.29	0.07	0.29
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	15	0.29	0.07	0.29
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	15	0.29	0.07	0.29
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	15	0.29	0.07	0.29
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	15	0.29	0.07	0.29
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	15	0.29	0.07	0.29
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	15	0.29	0.07	0.29
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	15	0.29	0.07	0.29
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	15	0.29	0.07	0.29
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	15	0.29	0.07	0.29
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	15	0.29	0.07	0.29
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	15	0.29	0.07	0.29
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	15	0.29	0.07	0.29
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	15	0.29	0.07	0.29
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	15	0.29	0.07	0.29
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	15	0.29	0.07	0.29
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	15	0.29	0.07	0.29
(1,176)	1:704:C:LEU:H	1:701:C:VAL:HA	15	0.26	0.06	0.26
(1,343)	1:704:C:LEU:H	1:701:C:VAL:HA	15	0.26	0.06	0.26
(1,510)	1:704:C:LEU:H	1:701:C:VAL:HA	15	0.26	0.06	0.26
(1,187)	1:705:C:VAL:H	1:702:C:LEU:HA	15	0.24	0.05	0.24
(1,354)	1:705:C:VAL:H	1:702:C:LEU:HA	15	0.24	0.05	0.24
(1,521)	1:705:C:VAL:H	1:702:C:LEU:HA	15	0.24	0.05	0.24
(1,154)	1:700:C:ALA:H	1:699:C:PHE:HA	15	0.17	0.02	0.17
(1,321)	1:700:C:ALA:H	1:699:C:PHE:HA	15	0.17	0.02	0.17
(1,488)	1:700:C:ALA:H	1:699:C:PHE:HA	15	0.17	0.02	0.17
(1,177)	1:704:C:LEU:H	1:703:C:SER:HA	15	0.15	0.02	0.16
(1,344)	1:704:C:LEU:H	1:703:C:SER:HA	15	0.15	0.02	0.16
(1,511)	1:704:C:LEU:H	1:703:C:SER:HA	15	0.15	0.02	0.16
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	14	0.41	0.16	0.38
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	14	0.41	0.16	0.38
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	14	0.41	0.16	0.38
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	14	0.41	0.16	0.38
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	14	0.41	0.16	0.38
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	14	0.41	0.16	0.38
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	14	0.41	0.16	0.38
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	14	0.41	0.16	0.38
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	14	0.41	0.16	0.38
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	14	0.41	0.16	0.38

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	14	0.41	0.16	0.38
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	14	0.41	0.16	0.38
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	14	0.41	0.16	0.38
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	14	0.41	0.16	0.38
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	14	0.41	0.16	0.38
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	14	0.41	0.16	0.38
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	14	0.41	0.16	0.38
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	14	0.41	0.16	0.38
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	14	0.37	0.16	0.32
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	14	0.37	0.16	0.32
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	14	0.37	0.16	0.32
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	14	0.37	0.16	0.32
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	14	0.37	0.16	0.32
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	14	0.37	0.16	0.32
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	14	0.37	0.16	0.32
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	14	0.37	0.16	0.32
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	14	0.37	0.16	0.32
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	14	0.37	0.16	0.32
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	14	0.37	0.16	0.32
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	14	0.37	0.16	0.32
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	14	0.37	0.16	0.32
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	14	0.37	0.16	0.32
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	14	0.37	0.16	0.32
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	14	0.37	0.16	0.32
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	14	0.37	0.16	0.32
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	14	0.37	0.16	0.32
(1,114)	1:687:C:ILE:HG21	1:691:C:SER:HG	14	0.31	0.14	0.26
(1,114)	1:687:C:ILE:HG22	1:691:C:SER:HG	14	0.31	0.14	0.26
(1,114)	1:687:C:ILE:HG23	1:691:C:SER:HG	14	0.31	0.14	0.26
(1,281)	1:687:C:ILE:HG21	1:691:C:SER:HG	14	0.31	0.14	0.26
(1,281)	1:687:C:ILE:HG22	1:691:C:SER:HG	14	0.31	0.14	0.26
(1,281)	1:687:C:ILE:HG23	1:691:C:SER:HG	14	0.31	0.14	0.26
(1,448)	1:687:C:ILE:HG21	1:691:C:SER:HG	14	0.31	0.14	0.26
(1,448)	1:687:C:ILE:HG22	1:691:C:SER:HG	14	0.31	0.14	0.26
(1,448)	1:687:C:ILE:HG23	1:691:C:SER:HG	14	0.31	0.14	0.26
(1,73)	1:710:C:GLN:HE21	1:707:C:ARG:HE	13	2.46	1.4	2.28
(1,73)	1:710:C:GLN:HE22	1:707:C:ARG:HE	13	2.46	1.4	2.28
(1,74)	1:710:C:GLN:HE21	1:707:C:ARG:HE	13	2.46	1.4	2.28
(1,74)	1:710:C:GLN:HE22	1:707:C:ARG:HE	13	2.46	1.4	2.28
(1,75)	1:710:C:GLN:HE21	1:707:C:ARG:HE	13	2.46	1.4	2.28
(1,75)	1:710:C:GLN:HE22	1:707:C:ARG:HE	13	2.46	1.4	2.28
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	13	0.33	0.1	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	13	0.33	0.1	0.34
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	13	0.33	0.1	0.34
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	13	0.33	0.1	0.34
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	13	0.33	0.1	0.34
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	13	0.33	0.1	0.34
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	13	0.33	0.1	0.34
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	13	0.33	0.1	0.34
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	13	0.33	0.1	0.34
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	13	0.33	0.1	0.34
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	13	0.33	0.1	0.34
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	13	0.33	0.1	0.34
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	13	0.33	0.1	0.34
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	13	0.33	0.1	0.34
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	13	0.33	0.1	0.34
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	13	0.33	0.1	0.34
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	13	0.33	0.1	0.34
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	13	0.33	0.1	0.34
(1,146)	1:698:C:VAL:HG11	1:695:C:LEU:HA	13	0.32	0.14	0.32
(1,146)	1:698:C:VAL:HG12	1:695:C:LEU:HA	13	0.32	0.14	0.32
(1,146)	1:698:C:VAL:HG13	1:695:C:LEU:HA	13	0.32	0.14	0.32
(1,313)	1:698:C:VAL:HG11	1:695:C:LEU:HA	13	0.32	0.14	0.32
(1,313)	1:698:C:VAL:HG12	1:695:C:LEU:HA	13	0.32	0.14	0.32
(1,313)	1:698:C:VAL:HG13	1:695:C:LEU:HA	13	0.32	0.14	0.32
(1,480)	1:698:C:VAL:HG11	1:695:C:LEU:HA	13	0.32	0.14	0.32
(1,480)	1:698:C:VAL:HG12	1:695:C:LEU:HA	13	0.32	0.14	0.32
(1,480)	1:698:C:VAL:HG13	1:695:C:LEU:HA	13	0.32	0.14	0.32
(1,133)	1:695:C:LEU:H	1:691:C:SER:HA	13	0.24	0.09	0.2
(1,300)	1:695:C:LEU:H	1:691:C:SER:HA	13	0.24	0.09	0.2
(1,467)	1:695:C:LEU:H	1:691:C:SER:HA	13	0.24	0.09	0.2
(1,244)	1:712:C:TYR:H	1:709:C:ARG:HA	12	0.45	0.15	0.45
(1,411)	1:712:C:TYR:H	1:709:C:ARG:HA	12	0.45	0.15	0.45
(1,578)	1:712:C:TYR:H	1:709:C:ARG:HA	12	0.45	0.15	0.45
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	12	0.3	0.1	0.32
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	12	0.3	0.1	0.32
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	12	0.3	0.1	0.32
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	12	0.3	0.1	0.32
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	12	0.3	0.1	0.32
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	12	0.3	0.1	0.32
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	12	0.3	0.1	0.32
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	12	0.3	0.1	0.32
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	12	0.3	0.1	0.32
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	12	0.3	0.1	0.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	12	0.3	0.1	0.32
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	12	0.3	0.1	0.32
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	12	0.3	0.1	0.32
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	12	0.3	0.1	0.32
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	12	0.3	0.1	0.32
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	12	0.3	0.1	0.32
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	12	0.3	0.1	0.32
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	12	0.3	0.1	0.32
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB2	12	0.22	0.15	0.17
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB3	12	0.22	0.15	0.17
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB2	12	0.22	0.15	0.17
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB3	12	0.22	0.15	0.17
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB2	12	0.22	0.15	0.17
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB3	12	0.22	0.15	0.17
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB2	12	0.22	0.15	0.17
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB3	12	0.22	0.15	0.17
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB2	12	0.22	0.15	0.17
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB3	12	0.22	0.15	0.17
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB2	12	0.22	0.15	0.17
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB3	12	0.22	0.15	0.17
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB2	12	0.22	0.15	0.17
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB3	12	0.22	0.15	0.17
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB2	12	0.22	0.15	0.17
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB3	12	0.22	0.15	0.17
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB2	12	0.22	0.15	0.17
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB3	12	0.22	0.15	0.17
(1,116)	1:688:C:ILE:HG21	1:692:C:LEU:HG	12	0.2	0.07	0.2
(1,116)	1:688:C:ILE:HG22	1:692:C:LEU:HG	12	0.2	0.07	0.2
(1,116)	1:688:C:ILE:HG23	1:692:C:LEU:HG	12	0.2	0.07	0.2
(1,283)	1:688:C:ILE:HG21	1:692:C:LEU:HG	12	0.2	0.07	0.2
(1,283)	1:688:C:ILE:HG22	1:692:C:LEU:HG	12	0.2	0.07	0.2
(1,283)	1:688:C:ILE:HG23	1:692:C:LEU:HG	12	0.2	0.07	0.2
(1,450)	1:688:C:ILE:HG21	1:692:C:LEU:HG	12	0.2	0.07	0.2
(1,450)	1:688:C:ILE:HG22	1:692:C:LEU:HG	12	0.2	0.07	0.2
(1,450)	1:688:C:ILE:HG23	1:692:C:LEU:HG	12	0.2	0.07	0.2
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	11	1.49	0.57	1.42
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	11	1.49	0.57	1.42
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	11	1.49	0.57	1.42
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	11	1.49	0.57	1.42
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	11	1.49	0.57	1.42
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	11	1.49	0.57	1.42
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	11	1.49	0.57	1.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	11	1.49	0.57	1.42
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	11	1.49	0.57	1.42
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	11	1.49	0.57	1.42
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	11	1.49	0.57	1.42
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	11	1.49	0.57	1.42
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	11	1.49	0.57	1.42
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	11	1.49	0.57	1.42
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	11	1.49	0.57	1.42
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	11	1.49	0.57	1.42
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	11	1.49	0.57	1.42
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	11	1.49	0.57	1.42
(1,160)	1:701:C:VAL:H	1:698:C:VAL:HA	11	0.32	0.07	0.33
(1,327)	1:701:C:VAL:H	1:698:C:VAL:HA	11	0.32	0.07	0.33
(1,494)	1:701:C:VAL:H	1:698:C:VAL:HA	11	0.32	0.07	0.33
(1,87)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	11	0.26	0.07	0.27
(1,87)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	11	0.26	0.07	0.27
(1,87)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	11	0.26	0.07	0.27
(1,87)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	11	0.26	0.07	0.27
(1,87)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	11	0.26	0.07	0.27
(1,87)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	11	0.26	0.07	0.27
(1,254)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	11	0.26	0.07	0.27
(1,254)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	11	0.26	0.07	0.27
(1,254)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	11	0.26	0.07	0.27
(1,254)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	11	0.26	0.07	0.27
(1,254)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	11	0.26	0.07	0.27
(1,254)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	11	0.26	0.07	0.27
(1,421)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	11	0.26	0.07	0.27
(1,421)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	11	0.26	0.07	0.27
(1,421)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	11	0.26	0.07	0.27
(1,421)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	11	0.26	0.07	0.27
(1,421)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	11	0.26	0.07	0.27
(1,421)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	11	0.26	0.07	0.27
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG2	11	0.18	0.05	0.19
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG3	11	0.18	0.05	0.19
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG2	11	0.18	0.05	0.19
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG3	11	0.18	0.05	0.19
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG2	11	0.18	0.05	0.19
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG3	11	0.18	0.05	0.19
(1,205)	1:707:C:ARG:H	1:704:C:LEU:HA	11	0.16	0.03	0.16
(1,372)	1:707:C:ARG:H	1:704:C:LEU:HA	11	0.16	0.03	0.16
(1,539)	1:707:C:ARG:H	1:704:C:LEU:HA	11	0.16	0.03	0.16
(1,93)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	10	0.66	0.22	0.76

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,93)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	10	0.66	0.22	0.76
(1,93)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	10	0.66	0.22	0.76
(1,93)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	10	0.66	0.22	0.76
(1,93)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	10	0.66	0.22	0.76
(1,93)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	10	0.66	0.22	0.76
(1,260)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	10	0.66	0.22	0.76
(1,260)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	10	0.66	0.22	0.76
(1,260)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	10	0.66	0.22	0.76
(1,260)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	10	0.66	0.22	0.76
(1,260)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	10	0.66	0.22	0.76
(1,260)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	10	0.66	0.22	0.76
(1,427)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	10	0.66	0.22	0.76
(1,427)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	10	0.66	0.22	0.76
(1,427)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	10	0.66	0.22	0.76
(1,427)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	10	0.66	0.22	0.76
(1,427)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	10	0.66	0.22	0.76
(1,427)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	10	0.66	0.22	0.76
(1,149)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	10	0.36	0.13	0.4
(1,149)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	10	0.36	0.13	0.4
(1,149)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	10	0.36	0.13	0.4
(1,149)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	10	0.36	0.13	0.4
(1,149)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	10	0.36	0.13	0.4
(1,149)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	10	0.36	0.13	0.4
(1,316)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	10	0.36	0.13	0.4
(1,316)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	10	0.36	0.13	0.4
(1,316)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	10	0.36	0.13	0.4
(1,316)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	10	0.36	0.13	0.4
(1,316)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	10	0.36	0.13	0.4
(1,316)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	10	0.36	0.13	0.4
(1,483)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	10	0.36	0.13	0.4
(1,483)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	10	0.36	0.13	0.4
(1,483)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	10	0.36	0.13	0.4
(1,483)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	10	0.36	0.13	0.4
(1,483)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	10	0.36	0.13	0.4
(1,483)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	10	0.36	0.13	0.4
(1,142)	1:696:C:ARG:H	1:696:C:ARG:HE	10	0.22	0.09	0.21
(1,309)	1:696:C:ARG:H	1:696:C:ARG:HE	10	0.22	0.09	0.21
(1,476)	1:696:C:ARG:H	1:696:C:ARG:HE	10	0.22	0.09	0.21
(1,164)	1:701:C:VAL:HG21	1:698:C:VAL:HA	10	0.18	0.03	0.18
(1,164)	1:701:C:VAL:HG22	1:698:C:VAL:HA	10	0.18	0.03	0.18
(1,164)	1:701:C:VAL:HG23	1:698:C:VAL:HA	10	0.18	0.03	0.18
(1,331)	1:701:C:VAL:HG21	1:698:C:VAL:HA	10	0.18	0.03	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,331)	1:701:C:VAL:HG22	1:698:C:VAL:HA	10	0.18	0.03	0.18
(1,331)	1:701:C:VAL:HG23	1:698:C:VAL:HA	10	0.18	0.03	0.18
(1,498)	1:701:C:VAL:HG21	1:698:C:VAL:HA	10	0.18	0.03	0.18
(1,498)	1:701:C:VAL:HG22	1:698:C:VAL:HA	10	0.18	0.03	0.18
(1,498)	1:701:C:VAL:HG23	1:698:C:VAL:HA	10	0.18	0.03	0.18
(1,247)	1:712:C:TYR:H	1:713:C:SER:H	10	0.13	0.02	0.13
(1,249)	1:713:C:SER:H	1:712:C:TYR:H	10	0.13	0.02	0.13
(1,414)	1:712:C:TYR:H	1:713:C:SER:H	10	0.13	0.02	0.13
(1,416)	1:713:C:SER:H	1:712:C:TYR:H	10	0.13	0.02	0.13
(1,581)	1:712:C:TYR:H	1:713:C:SER:H	10	0.13	0.02	0.13
(1,583)	1:713:C:SER:H	1:712:C:TYR:H	10	0.13	0.02	0.13
(1,92)	1:682:C:ILE:HD11	1:681:C:TYR:H	9	0.27	0.1	0.3
(1,92)	1:682:C:ILE:HD12	1:681:C:TYR:H	9	0.27	0.1	0.3
(1,92)	1:682:C:ILE:HD13	1:681:C:TYR:H	9	0.27	0.1	0.3
(1,259)	1:682:C:ILE:HD11	1:681:C:TYR:H	9	0.27	0.1	0.3
(1,259)	1:682:C:ILE:HD12	1:681:C:TYR:H	9	0.27	0.1	0.3
(1,259)	1:682:C:ILE:HD13	1:681:C:TYR:H	9	0.27	0.1	0.3
(1,426)	1:682:C:ILE:HD11	1:681:C:TYR:H	9	0.27	0.1	0.3
(1,426)	1:682:C:ILE:HD12	1:681:C:TYR:H	9	0.27	0.1	0.3
(1,426)	1:682:C:ILE:HD13	1:681:C:TYR:H	9	0.27	0.1	0.3
(1,220)	1:708:C:VAL:HG21	1:705:C:VAL:HA	9	0.13	0.02	0.12
(1,220)	1:708:C:VAL:HG22	1:705:C:VAL:HA	9	0.13	0.02	0.12
(1,220)	1:708:C:VAL:HG23	1:705:C:VAL:HA	9	0.13	0.02	0.12
(1,387)	1:708:C:VAL:HG21	1:705:C:VAL:HA	9	0.13	0.02	0.12
(1,387)	1:708:C:VAL:HG22	1:705:C:VAL:HA	9	0.13	0.02	0.12
(1,387)	1:708:C:VAL:HG23	1:705:C:VAL:HA	9	0.13	0.02	0.12
(1,554)	1:708:C:VAL:HG21	1:705:C:VAL:HA	9	0.13	0.02	0.12
(1,554)	1:708:C:VAL:HG22	1:705:C:VAL:HA	9	0.13	0.02	0.12
(1,554)	1:708:C:VAL:HG23	1:705:C:VAL:HA	9	0.13	0.02	0.12
(1,143)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	8	0.28	0.06	0.28
(1,143)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	8	0.28	0.06	0.28
(1,143)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	8	0.28	0.06	0.28
(1,143)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	8	0.28	0.06	0.28
(1,143)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	8	0.28	0.06	0.28
(1,143)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	8	0.28	0.06	0.28
(1,310)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	8	0.28	0.06	0.28
(1,310)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	8	0.28	0.06	0.28
(1,310)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	8	0.28	0.06	0.28
(1,310)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	8	0.28	0.06	0.28
(1,310)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	8	0.28	0.06	0.28
(1,310)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	8	0.28	0.06	0.28
(1,477)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	8	0.28	0.06	0.28

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,477)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	8	0.28	0.06	0.28
(1,477)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	8	0.28	0.06	0.28
(1,477)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	8	0.28	0.06	0.28
(1,477)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	8	0.28	0.06	0.28
(1,477)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	8	0.28	0.06	0.28
(1,237)	1:711:C:GLY:H	1:707:C:ARG:HG2	8	0.21	0.07	0.22
(1,237)	1:711:C:GLY:H	1:707:C:ARG:HG3	8	0.21	0.07	0.22
(1,404)	1:711:C:GLY:H	1:707:C:ARG:HG2	8	0.21	0.07	0.22
(1,404)	1:711:C:GLY:H	1:707:C:ARG:HG3	8	0.21	0.07	0.22
(1,571)	1:711:C:GLY:H	1:707:C:ARG:HG2	8	0.21	0.07	0.22
(1,571)	1:711:C:GLY:H	1:707:C:ARG:HG3	8	0.21	0.07	0.22
(1,228)	1:709:C:ARG:HE	1:709:C:ARG:H	8	0.17	0.05	0.16
(1,395)	1:709:C:ARG:HE	1:709:C:ARG:H	8	0.17	0.05	0.16
(1,562)	1:709:C:ARG:HE	1:709:C:ARG:H	8	0.17	0.05	0.16
(1,229)	1:710:C:GLN:H	1:708:C:VAL:HA	8	0.15	0.03	0.15
(1,396)	1:710:C:GLN:H	1:708:C:VAL:HA	8	0.15	0.03	0.15
(1,563)	1:710:C:GLN:H	1:708:C:VAL:HA	8	0.15	0.03	0.15
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	7	0.23	0.05	0.25
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	7	0.23	0.05	0.25
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	7	0.23	0.05	0.25
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	7	0.23	0.05	0.25
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	7	0.23	0.05	0.25
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	7	0.23	0.05	0.25
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	7	0.23	0.05	0.25
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	7	0.23	0.05	0.25
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	7	0.23	0.05	0.25
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	7	0.23	0.05	0.25
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	7	0.23	0.05	0.25
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	7	0.23	0.05	0.25
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	7	0.23	0.05	0.25
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	7	0.23	0.05	0.25
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	7	0.23	0.05	0.25
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	7	0.23	0.05	0.25
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	7	0.23	0.05	0.25
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	7	0.23	0.05	0.25
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	7	0.23	0.05	0.25
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	7	0.23	0.05	0.25
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	7	0.23	0.05	0.25
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	7	0.23	0.05	0.25
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	7	0.23	0.05	0.25
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	7	0.23	0.05	0.25
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	7	0.23	0.05	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	7	0.23	0.05	0.25
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	7	0.23	0.05	0.25
(1,124)	1:692:C:LEU:HD11	1:691:C:SER:HB2	7	0.21	0.12	0.15
(1,124)	1:692:C:LEU:HD11	1:691:C:SER:HB3	7	0.21	0.12	0.15
(1,124)	1:692:C:LEU:HD12	1:691:C:SER:HB2	7	0.21	0.12	0.15
(1,124)	1:692:C:LEU:HD12	1:691:C:SER:HB3	7	0.21	0.12	0.15
(1,124)	1:692:C:LEU:HD13	1:691:C:SER:HB2	7	0.21	0.12	0.15
(1,124)	1:692:C:LEU:HD13	1:691:C:SER:HB3	7	0.21	0.12	0.15
(1,291)	1:692:C:LEU:HD11	1:691:C:SER:HB2	7	0.21	0.12	0.15
(1,291)	1:692:C:LEU:HD11	1:691:C:SER:HB3	7	0.21	0.12	0.15
(1,291)	1:692:C:LEU:HD12	1:691:C:SER:HB2	7	0.21	0.12	0.15
(1,291)	1:692:C:LEU:HD12	1:691:C:SER:HB3	7	0.21	0.12	0.15
(1,291)	1:692:C:LEU:HD13	1:691:C:SER:HB2	7	0.21	0.12	0.15
(1,291)	1:692:C:LEU:HD13	1:691:C:SER:HB3	7	0.21	0.12	0.15
(1,458)	1:692:C:LEU:HD11	1:691:C:SER:HB2	7	0.21	0.12	0.15
(1,458)	1:692:C:LEU:HD11	1:691:C:SER:HB3	7	0.21	0.12	0.15
(1,458)	1:692:C:LEU:HD12	1:691:C:SER:HB2	7	0.21	0.12	0.15
(1,458)	1:692:C:LEU:HD12	1:691:C:SER:HB3	7	0.21	0.12	0.15
(1,458)	1:692:C:LEU:HD13	1:691:C:SER:HB2	7	0.21	0.12	0.15
(1,458)	1:692:C:LEU:HD13	1:691:C:SER:HB3	7	0.21	0.12	0.15
(1,99)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	7	0.18	0.02	0.18
(1,99)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	7	0.18	0.02	0.18
(1,99)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	7	0.18	0.02	0.18
(1,99)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	7	0.18	0.02	0.18
(1,99)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	7	0.18	0.02	0.18
(1,99)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	7	0.18	0.02	0.18
(1,266)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	7	0.18	0.02	0.18
(1,266)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	7	0.18	0.02	0.18
(1,266)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	7	0.18	0.02	0.18
(1,266)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	7	0.18	0.02	0.18
(1,266)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	7	0.18	0.02	0.18
(1,266)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	7	0.18	0.02	0.18
(1,433)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	7	0.18	0.02	0.18
(1,433)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	7	0.18	0.02	0.18
(1,433)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	7	0.18	0.02	0.18
(1,433)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	7	0.18	0.02	0.18
(1,433)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	7	0.18	0.02	0.18
(1,433)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	7	0.18	0.02	0.18
(1,163)	1:701:C:VAL:HG11	1:698:C:VAL:HA	6	0.39	0.15	0.48
(1,163)	1:701:C:VAL:HG12	1:698:C:VAL:HA	6	0.39	0.15	0.48
(1,163)	1:701:C:VAL:HG13	1:698:C:VAL:HA	6	0.39	0.15	0.48
(1,330)	1:701:C:VAL:HG11	1:698:C:VAL:HA	6	0.39	0.15	0.48

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,330)	1:701:C:VAL:HG12	1:698:C:VAL:HA	6	0.39	0.15	0.48
(1,330)	1:701:C:VAL:HG13	1:698:C:VAL:HA	6	0.39	0.15	0.48
(1,497)	1:701:C:VAL:HG11	1:698:C:VAL:HA	6	0.39	0.15	0.48
(1,497)	1:701:C:VAL:HG12	1:698:C:VAL:HA	6	0.39	0.15	0.48
(1,497)	1:701:C:VAL:HG13	1:698:C:VAL:HA	6	0.39	0.15	0.48
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD11	6	0.18	0.06	0.18
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD12	6	0.18	0.06	0.18
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD13	6	0.18	0.06	0.18
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD21	6	0.18	0.06	0.18
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD22	6	0.18	0.06	0.18
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD23	6	0.18	0.06	0.18
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD11	6	0.18	0.06	0.18
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD12	6	0.18	0.06	0.18
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD13	6	0.18	0.06	0.18
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD21	6	0.18	0.06	0.18
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD22	6	0.18	0.06	0.18
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD23	6	0.18	0.06	0.18
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD11	6	0.18	0.06	0.18
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD12	6	0.18	0.06	0.18
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD13	6	0.18	0.06	0.18
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD21	6	0.18	0.06	0.18
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD22	6	0.18	0.06	0.18
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD23	6	0.18	0.06	0.18
(1,85)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	6	0.18	0.07	0.16
(1,85)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	6	0.18	0.07	0.16
(1,85)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	6	0.18	0.07	0.16
(1,85)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	6	0.18	0.07	0.16
(1,85)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	6	0.18	0.07	0.16
(1,85)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	6	0.18	0.07	0.16
(1,252)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	6	0.18	0.07	0.16
(1,252)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	6	0.18	0.07	0.16
(1,252)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	6	0.18	0.07	0.16
(1,252)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	6	0.18	0.07	0.16
(1,252)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	6	0.18	0.07	0.16
(1,252)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	6	0.18	0.07	0.16
(1,419)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	6	0.18	0.07	0.16
(1,419)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	6	0.18	0.07	0.16
(1,419)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	6	0.18	0.07	0.16
(1,419)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	6	0.18	0.07	0.16
(1,419)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	6	0.18	0.07	0.16
(1,419)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	6	0.18	0.07	0.16
(1,139)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	6	0.16	0.06	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,139)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	6	0.16	0.06	0.14
(1,139)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	6	0.16	0.06	0.14
(1,139)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	6	0.16	0.06	0.14
(1,139)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	6	0.16	0.06	0.14
(1,139)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	6	0.16	0.06	0.14
(1,306)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	6	0.16	0.06	0.14
(1,306)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	6	0.16	0.06	0.14
(1,306)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	6	0.16	0.06	0.14
(1,306)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	6	0.16	0.06	0.14
(1,306)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	6	0.16	0.06	0.14
(1,306)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	6	0.16	0.06	0.14
(1,473)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	6	0.16	0.06	0.14
(1,473)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	6	0.16	0.06	0.14
(1,473)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	6	0.16	0.06	0.14
(1,473)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	6	0.16	0.06	0.14
(1,473)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	6	0.16	0.06	0.14
(1,473)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	6	0.16	0.06	0.14
(1,234)	1:710:C:GLN:H	1:710:C:GLN:HB3	5	0.51	0.2	0.54
(1,401)	1:710:C:GLN:H	1:710:C:GLN:HB3	5	0.51	0.2	0.54
(1,568)	1:710:C:GLN:H	1:710:C:GLN:HB3	5	0.51	0.2	0.54
(1,113)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	5	0.49	0.16	0.51
(1,113)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	5	0.49	0.16	0.51
(1,113)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	5	0.49	0.16	0.51
(1,113)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	5	0.49	0.16	0.51
(1,113)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	5	0.49	0.16	0.51
(1,113)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	5	0.49	0.16	0.51
(1,113)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	5	0.49	0.16	0.51
(1,113)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	5	0.49	0.16	0.51
(1,113)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	5	0.49	0.16	0.51
(1,280)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	5	0.49	0.16	0.51
(1,280)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	5	0.49	0.16	0.51
(1,280)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	5	0.49	0.16	0.51
(1,280)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	5	0.49	0.16	0.51
(1,280)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	5	0.49	0.16	0.51
(1,280)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	5	0.49	0.16	0.51
(1,280)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	5	0.49	0.16	0.51
(1,280)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	5	0.49	0.16	0.51
(1,280)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	5	0.49	0.16	0.51
(1,447)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	5	0.49	0.16	0.51
(1,447)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	5	0.49	0.16	0.51
(1,447)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	5	0.49	0.16	0.51
(1,447)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	5	0.49	0.16	0.51

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,447)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	5	0.49	0.16	0.51
(1,447)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	5	0.49	0.16	0.51
(1,447)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	5	0.49	0.16	0.51
(1,447)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	5	0.49	0.16	0.51
(1,447)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	5	0.49	0.16	0.51
(1,86)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	5	0.32	0.15	0.27
(1,86)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	5	0.32	0.15	0.27
(1,86)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	5	0.32	0.15	0.27
(1,86)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	5	0.32	0.15	0.27
(1,86)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	5	0.32	0.15	0.27
(1,86)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	5	0.32	0.15	0.27
(1,253)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	5	0.32	0.15	0.27
(1,253)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	5	0.32	0.15	0.27
(1,253)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	5	0.32	0.15	0.27
(1,253)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	5	0.32	0.15	0.27
(1,253)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	5	0.32	0.15	0.27
(1,253)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	5	0.32	0.15	0.27
(1,420)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	5	0.32	0.15	0.27
(1,420)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	5	0.32	0.15	0.27
(1,420)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	5	0.32	0.15	0.27
(1,420)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	5	0.32	0.15	0.27
(1,420)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	5	0.32	0.15	0.27
(1,420)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	5	0.32	0.15	0.27
(1,236)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	5	0.3	0.1	0.26
(1,236)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	5	0.3	0.1	0.26
(1,236)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	5	0.3	0.1	0.26
(1,236)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	5	0.3	0.1	0.26
(1,403)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	5	0.3	0.1	0.26
(1,403)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	5	0.3	0.1	0.26
(1,403)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	5	0.3	0.1	0.26
(1,403)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	5	0.3	0.1	0.26
(1,570)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	5	0.3	0.1	0.26
(1,570)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	5	0.3	0.1	0.26
(1,570)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	5	0.3	0.1	0.26
(1,570)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	5	0.3	0.1	0.26
(1,165)	1:702:C:LEU:H	1:699:C:PHE:HA	5	0.22	0.06	0.24
(1,332)	1:702:C:LEU:H	1:699:C:PHE:HA	5	0.22	0.06	0.24
(1,499)	1:702:C:LEU:H	1:699:C:PHE:HA	5	0.22	0.06	0.24
(1,148)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	4	0.29	0.29	0.14
(1,148)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	4	0.29	0.29	0.14
(1,148)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	4	0.29	0.29	0.14
(1,148)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	4	0.29	0.29	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,148)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	4	0.29	0.29	0.14
(1,148)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	4	0.29	0.29	0.14
(1,315)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	4	0.29	0.29	0.14
(1,315)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	4	0.29	0.29	0.14
(1,315)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	4	0.29	0.29	0.14
(1,315)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	4	0.29	0.29	0.14
(1,315)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	4	0.29	0.29	0.14
(1,315)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	4	0.29	0.29	0.14
(1,482)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	4	0.29	0.29	0.14
(1,482)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	4	0.29	0.29	0.14
(1,482)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	4	0.29	0.29	0.14
(1,482)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	4	0.29	0.29	0.14
(1,482)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	4	0.29	0.29	0.14
(1,482)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	4	0.29	0.29	0.14
(1,127)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	4	0.22	0.1	0.18
(1,127)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	4	0.22	0.1	0.18
(1,127)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	4	0.22	0.1	0.18
(1,127)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	4	0.22	0.1	0.18
(1,127)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	4	0.22	0.1	0.18
(1,127)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	4	0.22	0.1	0.18
(1,294)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	4	0.22	0.1	0.18
(1,294)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	4	0.22	0.1	0.18
(1,294)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	4	0.22	0.1	0.18
(1,294)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	4	0.22	0.1	0.18
(1,294)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	4	0.22	0.1	0.18
(1,294)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	4	0.22	0.1	0.18
(1,461)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	4	0.22	0.1	0.18
(1,461)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	4	0.22	0.1	0.18
(1,461)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	4	0.22	0.1	0.18
(1,461)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	4	0.22	0.1	0.18
(1,461)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	4	0.22	0.1	0.18
(1,461)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	4	0.22	0.1	0.18
(1,194)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	4	0.18	0.05	0.18
(1,194)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	4	0.18	0.05	0.18
(1,194)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	4	0.18	0.05	0.18
(1,194)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	4	0.18	0.05	0.18
(1,194)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	4	0.18	0.05	0.18
(1,194)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	4	0.18	0.05	0.18
(1,361)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	4	0.18	0.05	0.18
(1,361)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	4	0.18	0.05	0.18
(1,361)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	4	0.18	0.05	0.18
(1,361)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	4	0.18	0.05	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,361)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	4	0.18	0.05	0.18
(1,361)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	4	0.18	0.05	0.18
(1,528)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	4	0.18	0.05	0.18
(1,528)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	4	0.18	0.05	0.18
(1,528)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	4	0.18	0.05	0.18
(1,528)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	4	0.18	0.05	0.18
(1,528)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	4	0.18	0.05	0.18
(1,528)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	4	0.18	0.05	0.18
(1,109)	1:686:C:ILE:HD11	1:683:C:ARG:HA	4	0.17	0.05	0.17
(1,109)	1:686:C:ILE:HD12	1:683:C:ARG:HA	4	0.17	0.05	0.17
(1,109)	1:686:C:ILE:HD13	1:683:C:ARG:HA	4	0.17	0.05	0.17
(1,276)	1:686:C:ILE:HD11	1:683:C:ARG:HA	4	0.17	0.05	0.17
(1,276)	1:686:C:ILE:HD12	1:683:C:ARG:HA	4	0.17	0.05	0.17
(1,276)	1:686:C:ILE:HD13	1:683:C:ARG:HA	4	0.17	0.05	0.17
(1,443)	1:686:C:ILE:HD11	1:683:C:ARG:HA	4	0.17	0.05	0.17
(1,443)	1:686:C:ILE:HD12	1:683:C:ARG:HA	4	0.17	0.05	0.17
(1,443)	1:686:C:ILE:HD13	1:683:C:ARG:HA	4	0.17	0.05	0.17
(1,169)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	4	0.15	0.06	0.12
(1,169)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	4	0.15	0.06	0.12
(1,169)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	4	0.15	0.06	0.12
(1,169)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	4	0.15	0.06	0.12
(1,169)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	4	0.15	0.06	0.12
(1,169)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	4	0.15	0.06	0.12
(1,336)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	4	0.15	0.06	0.12
(1,336)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	4	0.15	0.06	0.12
(1,336)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	4	0.15	0.06	0.12
(1,336)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	4	0.15	0.06	0.12
(1,336)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	4	0.15	0.06	0.12
(1,336)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	4	0.15	0.06	0.12
(1,503)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	4	0.15	0.06	0.12
(1,503)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	4	0.15	0.06	0.12
(1,503)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	4	0.15	0.06	0.12
(1,503)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	4	0.15	0.06	0.12
(1,503)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	4	0.15	0.06	0.12
(1,503)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	4	0.15	0.06	0.12
(1,122)	1:692:C:LEU:HD11	1:689:C:VAL:HA	4	0.13	0.04	0.11
(1,122)	1:692:C:LEU:HD12	1:689:C:VAL:HA	4	0.13	0.04	0.11
(1,122)	1:692:C:LEU:HD13	1:689:C:VAL:HA	4	0.13	0.04	0.11
(1,289)	1:692:C:LEU:HD11	1:689:C:VAL:HA	4	0.13	0.04	0.11
(1,289)	1:692:C:LEU:HD12	1:689:C:VAL:HA	4	0.13	0.04	0.11
(1,289)	1:692:C:LEU:HD13	1:689:C:VAL:HA	4	0.13	0.04	0.11
(1,456)	1:692:C:LEU:HD11	1:689:C:VAL:HA	4	0.13	0.04	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,456)	1:692:C:LEU:HD12	1:689:C:VAL:HA	4	0.13	0.04	0.11
(1,456)	1:692:C:LEU:HD13	1:689:C:VAL:HA	4	0.13	0.04	0.11
(1,97)	1:684:C:ILE:HD11	1:681:C:TYR:HA	3	0.16	0.07	0.12
(1,97)	1:684:C:ILE:HD12	1:681:C:TYR:HA	3	0.16	0.07	0.12
(1,97)	1:684:C:ILE:HD13	1:681:C:TYR:HA	3	0.16	0.07	0.12
(1,264)	1:684:C:ILE:HD11	1:681:C:TYR:HA	3	0.16	0.07	0.12
(1,264)	1:684:C:ILE:HD12	1:681:C:TYR:HA	3	0.16	0.07	0.12
(1,264)	1:684:C:ILE:HD13	1:681:C:TYR:HA	3	0.16	0.07	0.12
(1,431)	1:684:C:ILE:HD11	1:681:C:TYR:HA	3	0.16	0.07	0.12
(1,431)	1:684:C:ILE:HD12	1:681:C:TYR:HA	3	0.16	0.07	0.12
(1,431)	1:684:C:ILE:HD13	1:681:C:TYR:HA	3	0.16	0.07	0.12
(1,144)	1:697:C:ILE:HG21	1:698:C:VAL:HA	2	1.17	0.01	1.17
(1,144)	1:697:C:ILE:HG22	1:698:C:VAL:HA	2	1.17	0.01	1.17
(1,144)	1:697:C:ILE:HG23	1:698:C:VAL:HA	2	1.17	0.01	1.17
(1,311)	1:697:C:ILE:HG21	1:698:C:VAL:HA	2	1.17	0.01	1.17
(1,311)	1:697:C:ILE:HG22	1:698:C:VAL:HA	2	1.17	0.01	1.17
(1,311)	1:697:C:ILE:HG23	1:698:C:VAL:HA	2	1.17	0.01	1.17
(1,478)	1:697:C:ILE:HG21	1:698:C:VAL:HA	2	1.17	0.01	1.17
(1,478)	1:697:C:ILE:HG22	1:698:C:VAL:HA	2	1.17	0.01	1.17
(1,478)	1:697:C:ILE:HG23	1:698:C:VAL:HA	2	1.17	0.01	1.17
(1,115)	1:688:C:ILE:HD11	1:684:C:ILE:HD11	2	0.17	0.05	0.17
(1,115)	1:688:C:ILE:HD11	1:684:C:ILE:HD12	2	0.17	0.05	0.17
(1,115)	1:688:C:ILE:HD11	1:684:C:ILE:HD13	2	0.17	0.05	0.17
(1,115)	1:688:C:ILE:HD12	1:684:C:ILE:HD11	2	0.17	0.05	0.17
(1,115)	1:688:C:ILE:HD12	1:684:C:ILE:HD12	2	0.17	0.05	0.17
(1,115)	1:688:C:ILE:HD12	1:684:C:ILE:HD13	2	0.17	0.05	0.17
(1,115)	1:688:C:ILE:HD13	1:684:C:ILE:HD11	2	0.17	0.05	0.17
(1,115)	1:688:C:ILE:HD13	1:684:C:ILE:HD12	2	0.17	0.05	0.17
(1,115)	1:688:C:ILE:HD13	1:684:C:ILE:HD13	2	0.17	0.05	0.17
(1,282)	1:688:C:ILE:HD11	1:684:C:ILE:HD11	2	0.17	0.05	0.17
(1,282)	1:688:C:ILE:HD11	1:684:C:ILE:HD12	2	0.17	0.05	0.17
(1,282)	1:688:C:ILE:HD11	1:684:C:ILE:HD13	2	0.17	0.05	0.17
(1,282)	1:688:C:ILE:HD12	1:684:C:ILE:HD11	2	0.17	0.05	0.17
(1,282)	1:688:C:ILE:HD12	1:684:C:ILE:HD12	2	0.17	0.05	0.17
(1,282)	1:688:C:ILE:HD12	1:684:C:ILE:HD13	2	0.17	0.05	0.17
(1,282)	1:688:C:ILE:HD13	1:684:C:ILE:HD11	2	0.17	0.05	0.17
(1,282)	1:688:C:ILE:HD13	1:684:C:ILE:HD12	2	0.17	0.05	0.17
(1,282)	1:688:C:ILE:HD13	1:684:C:ILE:HD13	2	0.17	0.05	0.17
(1,449)	1:688:C:ILE:HD11	1:684:C:ILE:HD11	2	0.17	0.05	0.17
(1,449)	1:688:C:ILE:HD11	1:684:C:ILE:HD12	2	0.17	0.05	0.17
(1,449)	1:688:C:ILE:HD11	1:684:C:ILE:HD13	2	0.17	0.05	0.17
(1,449)	1:688:C:ILE:HD12	1:684:C:ILE:HD11	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)
(1,449)	1:688:C:ILE:HD12	1:684:C:ILE:HD12	2	0.17	0.05	0.17
(1,449)	1:688:C:ILE:HD12	1:684:C:ILE:HD13	2	0.17	0.05	0.17
(1,449)	1:688:C:ILE:HD13	1:684:C:ILE:HD11	2	0.17	0.05	0.17
(1,449)	1:688:C:ILE:HD13	1:684:C:ILE:HD12	2	0.17	0.05	0.17
(1,449)	1:688:C:ILE:HD13	1:684:C:ILE:HD13	2	0.17	0.05	0.17
(1,159)	1:700:C:ALA:HB1	1:703:C:SER:HB2	2	0.16	0.02	0.16
(1,159)	1:700:C:ALA:HB1	1:703:C:SER:HB3	2	0.16	0.02	0.16
(1,159)	1:700:C:ALA:HB2	1:703:C:SER:HB2	2	0.16	0.02	0.16
(1,159)	1:700:C:ALA:HB2	1:703:C:SER:HB3	2	0.16	0.02	0.16
(1,159)	1:700:C:ALA:HB3	1:703:C:SER:HB2	2	0.16	0.02	0.16
(1,159)	1:700:C:ALA:HB3	1:703:C:SER:HB3	2	0.16	0.02	0.16
(1,326)	1:700:C:ALA:HB1	1:703:C:SER:HB2	2	0.16	0.02	0.16
(1,326)	1:700:C:ALA:HB1	1:703:C:SER:HB3	2	0.16	0.02	0.16
(1,326)	1:700:C:ALA:HB2	1:703:C:SER:HB2	2	0.16	0.02	0.16
(1,326)	1:700:C:ALA:HB2	1:703:C:SER:HB3	2	0.16	0.02	0.16
(1,326)	1:700:C:ALA:HB3	1:703:C:SER:HB2	2	0.16	0.02	0.16
(1,326)	1:700:C:ALA:HB3	1:703:C:SER:HB3	2	0.16	0.02	0.16
(1,493)	1:700:C:ALA:HB1	1:703:C:SER:HB2	2	0.16	0.02	0.16
(1,493)	1:700:C:ALA:HB1	1:703:C:SER:HB3	2	0.16	0.02	0.16
(1,493)	1:700:C:ALA:HB2	1:703:C:SER:HB2	2	0.16	0.02	0.16
(1,493)	1:700:C:ALA:HB2	1:703:C:SER:HB3	2	0.16	0.02	0.16
(1,493)	1:700:C:ALA:HB3	1:703:C:SER:HB2	2	0.16	0.02	0.16
(1,493)	1:700:C:ALA:HB3	1:703:C:SER:HB3	2	0.16	0.02	0.16
(1,171)	1:702:C:LEU:HD21	1:706:C:ASN:HD21	2	0.16	0.03	0.16
(1,171)	1:702:C:LEU:HD21	1:706:C:ASN:HD22	2	0.16	0.03	0.16
(1,171)	1:702:C:LEU:HD22	1:706:C:ASN:HD21	2	0.16	0.03	0.16
(1,171)	1:702:C:LEU:HD22	1:706:C:ASN:HD22	2	0.16	0.03	0.16
(1,171)	1:702:C:LEU:HD23	1:706:C:ASN:HD21	2	0.16	0.03	0.16
(1,171)	1:702:C:LEU:HD23	1:706:C:ASN:HD22	2	0.16	0.03	0.16
(1,338)	1:702:C:LEU:HD21	1:706:C:ASN:HD21	2	0.16	0.03	0.16
(1,338)	1:702:C:LEU:HD21	1:706:C:ASN:HD22	2	0.16	0.03	0.16
(1,338)	1:702:C:LEU:HD22	1:706:C:ASN:HD21	2	0.16	0.03	0.16
(1,338)	1:702:C:LEU:HD22	1:706:C:ASN:HD22	2	0.16	0.03	0.16
(1,338)	1:702:C:LEU:HD23	1:706:C:ASN:HD21	2	0.16	0.03	0.16
(1,338)	1:702:C:LEU:HD23	1:706:C:ASN:HD22	2	0.16	0.03	0.16
(1,505)	1:702:C:LEU:HD21	1:706:C:ASN:HD21	2	0.16	0.03	0.16
(1,505)	1:702:C:LEU:HD21	1:706:C:ASN:HD22	2	0.16	0.03	0.16
(1,505)	1:702:C:LEU:HD22	1:706:C:ASN:HD21	2	0.16	0.03	0.16
(1,505)	1:702:C:LEU:HD22	1:706:C:ASN:HD22	2	0.16	0.03	0.16
(1,505)	1:702:C:LEU:HD23	1:706:C:ASN:HD21	2	0.16	0.03	0.16
(1,505)	1:702:C:LEU:HD23	1:706:C:ASN:HD22	2	0.16	0.03	0.16
(1,111)	1:686:C:ILE:HD11	1:685:C:PHE:HD1	2	0.15	0.01	0.15

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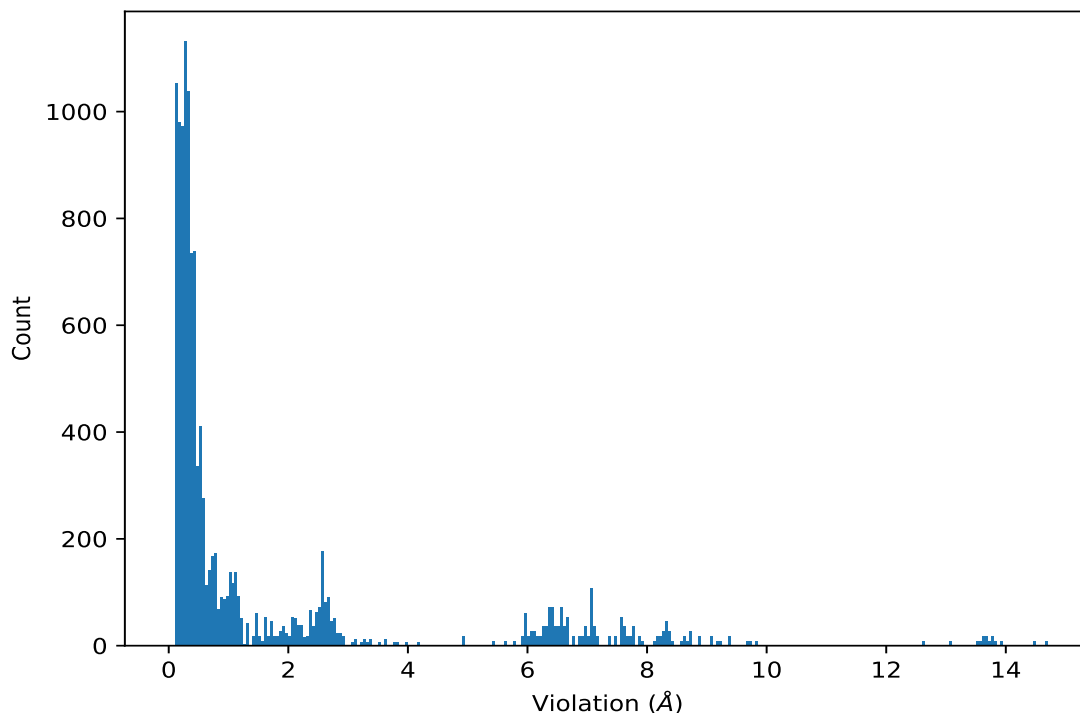
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,111)	1:686:C:ILE:HD11	1:685:C:PHE:HD2	2	0.15	0.01	0.15
(1,111)	1:686:C:ILE:HD12	1:685:C:PHE:HD1	2	0.15	0.01	0.15
(1,111)	1:686:C:ILE:HD12	1:685:C:PHE:HD2	2	0.15	0.01	0.15
(1,111)	1:686:C:ILE:HD13	1:685:C:PHE:HD1	2	0.15	0.01	0.15
(1,111)	1:686:C:ILE:HD13	1:685:C:PHE:HD2	2	0.15	0.01	0.15
(1,181)	1:704:C:LEU:H	1:704:C:LEU:HB3	2	0.15	0.05	0.15
(1,278)	1:686:C:ILE:HD11	1:685:C:PHE:HD1	2	0.15	0.01	0.15
(1,278)	1:686:C:ILE:HD11	1:685:C:PHE:HD2	2	0.15	0.01	0.15
(1,278)	1:686:C:ILE:HD12	1:685:C:PHE:HD1	2	0.15	0.01	0.15
(1,278)	1:686:C:ILE:HD12	1:685:C:PHE:HD2	2	0.15	0.01	0.15
(1,278)	1:686:C:ILE:HD13	1:685:C:PHE:HD1	2	0.15	0.01	0.15
(1,278)	1:686:C:ILE:HD13	1:685:C:PHE:HD2	2	0.15	0.01	0.15
(1,348)	1:704:C:LEU:H	1:704:C:LEU:HB3	2	0.15	0.05	0.15
(1,445)	1:686:C:ILE:HD11	1:685:C:PHE:HD1	2	0.15	0.01	0.15
(1,445)	1:686:C:ILE:HD11	1:685:C:PHE:HD2	2	0.15	0.01	0.15
(1,445)	1:686:C:ILE:HD12	1:685:C:PHE:HD1	2	0.15	0.01	0.15
(1,445)	1:686:C:ILE:HD12	1:685:C:PHE:HD2	2	0.15	0.01	0.15
(1,445)	1:686:C:ILE:HD13	1:685:C:PHE:HD1	2	0.15	0.01	0.15
(1,445)	1:686:C:ILE:HD13	1:685:C:PHE:HD2	2	0.15	0.01	0.15
(1,515)	1:704:C:LEU:H	1:704:C:LEU:HB3	2	0.15	0.05	0.15
(1,130)	1:693:C:ILE:HG21	1:693:C:ILE:H	2	0.12	0.01	0.12
(1,130)	1:693:C:ILE:HG22	1:693:C:ILE:H	2	0.12	0.01	0.12
(1,130)	1:693:C:ILE:HG23	1:693:C:ILE:H	2	0.12	0.01	0.12
(1,297)	1:693:C:ILE:HG21	1:693:C:ILE:H	2	0.12	0.01	0.12
(1,297)	1:693:C:ILE:HG22	1:693:C:ILE:H	2	0.12	0.01	0.12
(1,297)	1:693:C:ILE:HG23	1:693:C:ILE:H	2	0.12	0.01	0.12
(1,464)	1:693:C:ILE:HG21	1:693:C:ILE:H	2	0.12	0.01	0.12
(1,464)	1:693:C:ILE:HG22	1:693:C:ILE:H	2	0.12	0.01	0.12
(1,464)	1:693:C:ILE:HG23	1:693:C:ILE:H	2	0.12	0.01	0.12

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)
(1,72)	1:704:C:LEU:HD21	1:714:C:PRO:HA	12	14.67
(1,72)	1:704:C:LEU:HD22	1:714:C:PRO:HA	12	14.67
(1,72)	1:704:C:LEU:HD23	1:714:C:PRO:HA	12	14.67
(1,71)	1:704:C:LEU:HD21	1:714:C:PRO:HA	12	14.67
(1,71)	1:704:C:LEU:HD22	1:714:C:PRO:HA	12	14.67
(1,71)	1:704:C:LEU:HD23	1:714:C:PRO:HA	12	14.67
(1,70)	1:704:C:LEU:HD21	1:714:C:PRO:HA	12	14.67
(1,70)	1:704:C:LEU:HD22	1:714:C:PRO:HA	12	14.67
(1,70)	1:704:C:LEU:HD23	1:714:C:PRO:HA	12	14.67
(1,72)	1:704:C:LEU:HD21	1:714:C:PRO:HA	5	14.46
(1,72)	1:704:C:LEU:HD22	1:714:C:PRO:HA	5	14.46
(1,72)	1:704:C:LEU:HD23	1:714:C:PRO:HA	5	14.46
(1,71)	1:704:C:LEU:HD21	1:714:C:PRO:HA	5	14.46
(1,71)	1:704:C:LEU:HD22	1:714:C:PRO:HA	5	14.46
(1,71)	1:704:C:LEU:HD23	1:714:C:PRO:HA	5	14.46
(1,70)	1:704:C:LEU:HD21	1:714:C:PRO:HA	5	14.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,70)	1:704:C:LEU:HD22	1:714:C:PRO:HA	5	14.46
(1,70)	1:704:C:LEU:HD23	1:714:C:PRO:HA	5	14.46
(1,72)	1:704:C:LEU:HD21	1:714:C:PRO:HA	4	13.9
(1,72)	1:704:C:LEU:HD22	1:714:C:PRO:HA	4	13.9
(1,72)	1:704:C:LEU:HD23	1:714:C:PRO:HA	4	13.9
(1,71)	1:704:C:LEU:HD21	1:714:C:PRO:HA	4	13.9
(1,71)	1:704:C:LEU:HD22	1:714:C:PRO:HA	4	13.9
(1,71)	1:704:C:LEU:HD23	1:714:C:PRO:HA	4	13.9
(1,70)	1:704:C:LEU:HD21	1:714:C:PRO:HA	4	13.9
(1,70)	1:704:C:LEU:HD22	1:714:C:PRO:HA	4	13.9
(1,70)	1:704:C:LEU:HD23	1:714:C:PRO:HA	4	13.9
(1,72)	1:704:C:LEU:HD21	1:714:C:PRO:HA	1	13.8
(1,72)	1:704:C:LEU:HD22	1:714:C:PRO:HA	1	13.8
(1,72)	1:704:C:LEU:HD23	1:714:C:PRO:HA	1	13.8
(1,71)	1:704:C:LEU:HD21	1:714:C:PRO:HA	1	13.8
(1,71)	1:704:C:LEU:HD22	1:714:C:PRO:HA	1	13.8
(1,71)	1:704:C:LEU:HD23	1:714:C:PRO:HA	1	13.8
(1,70)	1:704:C:LEU:HD21	1:714:C:PRO:HA	1	13.8
(1,70)	1:704:C:LEU:HD22	1:714:C:PRO:HA	1	13.8
(1,70)	1:704:C:LEU:HD23	1:714:C:PRO:HA	1	13.8
(1,72)	1:704:C:LEU:HD21	1:714:C:PRO:HA	14	13.79
(1,72)	1:704:C:LEU:HD22	1:714:C:PRO:HA	14	13.79
(1,72)	1:704:C:LEU:HD23	1:714:C:PRO:HA	14	13.79
(1,71)	1:704:C:LEU:HD21	1:714:C:PRO:HA	14	13.79
(1,71)	1:704:C:LEU:HD22	1:714:C:PRO:HA	14	13.79
(1,71)	1:704:C:LEU:HD23	1:714:C:PRO:HA	14	13.79
(1,70)	1:704:C:LEU:HD21	1:714:C:PRO:HA	14	13.79
(1,70)	1:704:C:LEU:HD22	1:714:C:PRO:HA	14	13.79
(1,70)	1:704:C:LEU:HD23	1:714:C:PRO:HA	14	13.79
(1,72)	1:704:C:LEU:HD21	1:714:C:PRO:HA	6	13.78
(1,72)	1:704:C:LEU:HD22	1:714:C:PRO:HA	6	13.78
(1,72)	1:704:C:LEU:HD23	1:714:C:PRO:HA	6	13.78
(1,71)	1:704:C:LEU:HD21	1:714:C:PRO:HA	6	13.78
(1,71)	1:704:C:LEU:HD22	1:714:C:PRO:HA	6	13.78
(1,71)	1:704:C:LEU:HD23	1:714:C:PRO:HA	6	13.78
(1,70)	1:704:C:LEU:HD21	1:714:C:PRO:HA	6	13.78
(1,70)	1:704:C:LEU:HD22	1:714:C:PRO:HA	6	13.78
(1,70)	1:704:C:LEU:HD23	1:714:C:PRO:HA	6	13.78
(1,72)	1:704:C:LEU:HD21	1:714:C:PRO:HA	11	13.74
(1,72)	1:704:C:LEU:HD22	1:714:C:PRO:HA	11	13.74
(1,72)	1:704:C:LEU:HD23	1:714:C:PRO:HA	11	13.74
(1,71)	1:704:C:LEU:HD21	1:714:C:PRO:HA	11	13.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,71)	1:704:C:LEU:HD22	1:714:C:PRO:HA	11	13.74
(1,71)	1:704:C:LEU:HD23	1:714:C:PRO:HA	11	13.74
(1,70)	1:704:C:LEU:HD21	1:714:C:PRO:HA	11	13.74
(1,70)	1:704:C:LEU:HD22	1:714:C:PRO:HA	11	13.74
(1,70)	1:704:C:LEU:HD23	1:714:C:PRO:HA	11	13.74
(1,72)	1:704:C:LEU:HD21	1:714:C:PRO:HA	13	13.67
(1,72)	1:704:C:LEU:HD22	1:714:C:PRO:HA	13	13.67
(1,72)	1:704:C:LEU:HD23	1:714:C:PRO:HA	13	13.67
(1,71)	1:704:C:LEU:HD21	1:714:C:PRO:HA	13	13.67
(1,71)	1:704:C:LEU:HD22	1:714:C:PRO:HA	13	13.67
(1,71)	1:704:C:LEU:HD23	1:714:C:PRO:HA	13	13.67
(1,70)	1:704:C:LEU:HD21	1:714:C:PRO:HA	13	13.67
(1,70)	1:704:C:LEU:HD22	1:714:C:PRO:HA	13	13.67
(1,70)	1:704:C:LEU:HD23	1:714:C:PRO:HA	13	13.67
(1,72)	1:704:C:LEU:HD21	1:714:C:PRO:HA	2	13.66
(1,72)	1:704:C:LEU:HD22	1:714:C:PRO:HA	2	13.66
(1,72)	1:704:C:LEU:HD23	1:714:C:PRO:HA	2	13.66
(1,71)	1:704:C:LEU:HD21	1:714:C:PRO:HA	2	13.66
(1,71)	1:704:C:LEU:HD22	1:714:C:PRO:HA	2	13.66
(1,71)	1:704:C:LEU:HD23	1:714:C:PRO:HA	2	13.66
(1,70)	1:704:C:LEU:HD21	1:714:C:PRO:HA	2	13.66
(1,70)	1:704:C:LEU:HD22	1:714:C:PRO:HA	2	13.66
(1,70)	1:704:C:LEU:HD23	1:714:C:PRO:HA	2	13.66
(1,72)	1:704:C:LEU:HD21	1:714:C:PRO:HA	3	13.64
(1,72)	1:704:C:LEU:HD22	1:714:C:PRO:HA	3	13.64
(1,72)	1:704:C:LEU:HD23	1:714:C:PRO:HA	3	13.64
(1,71)	1:704:C:LEU:HD21	1:714:C:PRO:HA	3	13.64
(1,71)	1:704:C:LEU:HD22	1:714:C:PRO:HA	3	13.64
(1,71)	1:704:C:LEU:HD23	1:714:C:PRO:HA	3	13.64
(1,70)	1:704:C:LEU:HD21	1:714:C:PRO:HA	3	13.64
(1,70)	1:704:C:LEU:HD22	1:714:C:PRO:HA	3	13.64
(1,70)	1:704:C:LEU:HD23	1:714:C:PRO:HA	3	13.64
(1,72)	1:704:C:LEU:HD21	1:714:C:PRO:HA	8	13.63
(1,72)	1:704:C:LEU:HD22	1:714:C:PRO:HA	8	13.63
(1,72)	1:704:C:LEU:HD23	1:714:C:PRO:HA	8	13.63
(1,71)	1:704:C:LEU:HD21	1:714:C:PRO:HA	8	13.63
(1,71)	1:704:C:LEU:HD22	1:714:C:PRO:HA	8	13.63
(1,71)	1:704:C:LEU:HD23	1:714:C:PRO:HA	8	13.63
(1,70)	1:704:C:LEU:HD21	1:714:C:PRO:HA	8	13.63
(1,70)	1:704:C:LEU:HD22	1:714:C:PRO:HA	8	13.63
(1,70)	1:704:C:LEU:HD23	1:714:C:PRO:HA	8	13.63
(1,72)	1:704:C:LEU:HD21	1:714:C:PRO:HA	9	13.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:704:C:LEU:HD22	1:714:C:PRO:HA	9	13.57
(1,72)	1:704:C:LEU:HD23	1:714:C:PRO:HA	9	13.57
(1,71)	1:704:C:LEU:HD21	1:714:C:PRO:HA	9	13.57
(1,71)	1:704:C:LEU:HD22	1:714:C:PRO:HA	9	13.57
(1,71)	1:704:C:LEU:HD23	1:714:C:PRO:HA	9	13.57
(1,70)	1:704:C:LEU:HD21	1:714:C:PRO:HA	9	13.57
(1,70)	1:704:C:LEU:HD22	1:714:C:PRO:HA	9	13.57
(1,70)	1:704:C:LEU:HD23	1:714:C:PRO:HA	9	13.57
(1,72)	1:704:C:LEU:HD21	1:714:C:PRO:HA	15	13.54
(1,72)	1:704:C:LEU:HD22	1:714:C:PRO:HA	15	13.54
(1,72)	1:704:C:LEU:HD23	1:714:C:PRO:HA	15	13.54
(1,71)	1:704:C:LEU:HD21	1:714:C:PRO:HA	15	13.54
(1,71)	1:704:C:LEU:HD22	1:714:C:PRO:HA	15	13.54
(1,71)	1:704:C:LEU:HD23	1:714:C:PRO:HA	15	13.54
(1,70)	1:704:C:LEU:HD21	1:714:C:PRO:HA	15	13.54
(1,70)	1:704:C:LEU:HD22	1:714:C:PRO:HA	15	13.54
(1,70)	1:704:C:LEU:HD23	1:714:C:PRO:HA	15	13.54
(1,72)	1:704:C:LEU:HD21	1:714:C:PRO:HA	7	13.09
(1,72)	1:704:C:LEU:HD22	1:714:C:PRO:HA	7	13.09
(1,72)	1:704:C:LEU:HD23	1:714:C:PRO:HA	7	13.09
(1,71)	1:704:C:LEU:HD21	1:714:C:PRO:HA	7	13.09
(1,71)	1:704:C:LEU:HD22	1:714:C:PRO:HA	7	13.09
(1,71)	1:704:C:LEU:HD23	1:714:C:PRO:HA	7	13.09
(1,70)	1:704:C:LEU:HD21	1:714:C:PRO:HA	7	13.09
(1,70)	1:704:C:LEU:HD22	1:714:C:PRO:HA	7	13.09
(1,70)	1:704:C:LEU:HD23	1:714:C:PRO:HA	7	13.09
(1,72)	1:704:C:LEU:HD21	1:714:C:PRO:HA	10	12.6
(1,72)	1:704:C:LEU:HD22	1:714:C:PRO:HA	10	12.6
(1,72)	1:704:C:LEU:HD23	1:714:C:PRO:HA	10	12.6
(1,71)	1:704:C:LEU:HD21	1:714:C:PRO:HA	10	12.6
(1,71)	1:704:C:LEU:HD22	1:714:C:PRO:HA	10	12.6
(1,71)	1:704:C:LEU:HD23	1:714:C:PRO:HA	10	12.6
(1,70)	1:704:C:LEU:HD21	1:714:C:PRO:HA	10	12.6
(1,70)	1:704:C:LEU:HD22	1:714:C:PRO:HA	10	12.6
(1,70)	1:704:C:LEU:HD23	1:714:C:PRO:HA	10	12.6
(1,69)	1:704:C:LEU:HD11	1:713:C:SER:HA	5	9.81
(1,69)	1:704:C:LEU:HD12	1:713:C:SER:HA	5	9.81
(1,69)	1:704:C:LEU:HD13	1:713:C:SER:HA	5	9.81
(1,68)	1:704:C:LEU:HD11	1:713:C:SER:HA	5	9.81
(1,68)	1:704:C:LEU:HD12	1:713:C:SER:HA	5	9.81
(1,68)	1:704:C:LEU:HD13	1:713:C:SER:HA	5	9.81
(1,67)	1:704:C:LEU:HD11	1:713:C:SER:HA	5	9.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,67)	1:704:C:LEU:HD12	1:713:C:SER:HA	5	9.81
(1,67)	1:704:C:LEU:HD13	1:713:C:SER:HA	5	9.81
(1,69)	1:704:C:LEU:HD11	1:713:C:SER:HA	12	9.71
(1,69)	1:704:C:LEU:HD12	1:713:C:SER:HA	12	9.71
(1,69)	1:704:C:LEU:HD13	1:713:C:SER:HA	12	9.71
(1,68)	1:704:C:LEU:HD11	1:713:C:SER:HA	12	9.71
(1,68)	1:704:C:LEU:HD12	1:713:C:SER:HA	12	9.71
(1,68)	1:704:C:LEU:HD13	1:713:C:SER:HA	12	9.71
(1,67)	1:704:C:LEU:HD11	1:713:C:SER:HA	12	9.71
(1,67)	1:704:C:LEU:HD12	1:713:C:SER:HA	12	9.71
(1,67)	1:704:C:LEU:HD13	1:713:C:SER:HA	12	9.71
(1,69)	1:704:C:LEU:HD11	1:713:C:SER:HA	14	9.66
(1,69)	1:704:C:LEU:HD12	1:713:C:SER:HA	14	9.66
(1,69)	1:704:C:LEU:HD13	1:713:C:SER:HA	14	9.66
(1,68)	1:704:C:LEU:HD11	1:713:C:SER:HA	14	9.66
(1,68)	1:704:C:LEU:HD12	1:713:C:SER:HA	14	9.66
(1,68)	1:704:C:LEU:HD13	1:713:C:SER:HA	14	9.66
(1,67)	1:704:C:LEU:HD11	1:713:C:SER:HA	14	9.66
(1,67)	1:704:C:LEU:HD12	1:713:C:SER:HA	14	9.66
(1,67)	1:704:C:LEU:HD13	1:713:C:SER:HA	14	9.66
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	14	9.36
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	14	9.36
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	14	9.36
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	14	9.36
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	14	9.36
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	14	9.36
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	14	9.36
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	14	9.36
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	14	9.36
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	14	9.36
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	14	9.36
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	14	9.36
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	14	9.36
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	14	9.36
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	14	9.36
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	14	9.36
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	14	9.36
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	14	9.36
(1,84)	1:708:C:VAL:HG21	1:714:C:PRO:HA	12	9.22
(1,84)	1:708:C:VAL:HG22	1:714:C:PRO:HA	12	9.22
(1,84)	1:708:C:VAL:HG23	1:714:C:PRO:HA	12	9.22
(1,83)	1:708:C:VAL:HG21	1:714:C:PRO:HA	12	9.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,83)	1:708:C:VAL:HG22	1:714:C:PRO:HA	12	9.22
(1,83)	1:708:C:VAL:HG23	1:714:C:PRO:HA	12	9.22
(1,82)	1:708:C:VAL:HG21	1:714:C:PRO:HA	12	9.22
(1,82)	1:708:C:VAL:HG22	1:714:C:PRO:HA	12	9.22
(1,82)	1:708:C:VAL:HG23	1:714:C:PRO:HA	12	9.22
(1,69)	1:704:C:LEU:HD11	1:713:C:SER:HA	4	9.15
(1,69)	1:704:C:LEU:HD12	1:713:C:SER:HA	4	9.15
(1,69)	1:704:C:LEU:HD13	1:713:C:SER:HA	4	9.15
(1,68)	1:704:C:LEU:HD11	1:713:C:SER:HA	4	9.15
(1,68)	1:704:C:LEU:HD12	1:713:C:SER:HA	4	9.15
(1,68)	1:704:C:LEU:HD13	1:713:C:SER:HA	4	9.15
(1,67)	1:704:C:LEU:HD11	1:713:C:SER:HA	4	9.15
(1,67)	1:704:C:LEU:HD12	1:713:C:SER:HA	4	9.15
(1,67)	1:704:C:LEU:HD13	1:713:C:SER:HA	4	9.15
(1,84)	1:708:C:VAL:HG21	1:714:C:PRO:HA	5	9.08
(1,84)	1:708:C:VAL:HG22	1:714:C:PRO:HA	5	9.08
(1,84)	1:708:C:VAL:HG23	1:714:C:PRO:HA	5	9.08
(1,83)	1:708:C:VAL:HG21	1:714:C:PRO:HA	5	9.08
(1,83)	1:708:C:VAL:HG22	1:714:C:PRO:HA	5	9.08
(1,83)	1:708:C:VAL:HG23	1:714:C:PRO:HA	5	9.08
(1,82)	1:708:C:VAL:HG21	1:714:C:PRO:HA	5	9.08
(1,82)	1:708:C:VAL:HG22	1:714:C:PRO:HA	5	9.08
(1,82)	1:708:C:VAL:HG23	1:714:C:PRO:HA	5	9.08
(1,69)	1:704:C:LEU:HD11	1:713:C:SER:HA	2	9.05
(1,69)	1:704:C:LEU:HD12	1:713:C:SER:HA	2	9.05
(1,69)	1:704:C:LEU:HD13	1:713:C:SER:HA	2	9.05
(1,68)	1:704:C:LEU:HD11	1:713:C:SER:HA	2	9.05
(1,68)	1:704:C:LEU:HD12	1:713:C:SER:HA	2	9.05
(1,68)	1:704:C:LEU:HD13	1:713:C:SER:HA	2	9.05
(1,67)	1:704:C:LEU:HD11	1:713:C:SER:HA	2	9.05
(1,67)	1:704:C:LEU:HD12	1:713:C:SER:HA	2	9.05
(1,67)	1:704:C:LEU:HD13	1:713:C:SER:HA	2	9.05
(1,69)	1:704:C:LEU:HD11	1:713:C:SER:HA	9	8.86
(1,69)	1:704:C:LEU:HD12	1:713:C:SER:HA	9	8.86
(1,69)	1:704:C:LEU:HD13	1:713:C:SER:HA	9	8.86
(1,69)	1:704:C:LEU:HD11	1:713:C:SER:HA	10	8.86
(1,69)	1:704:C:LEU:HD12	1:713:C:SER:HA	10	8.86
(1,69)	1:704:C:LEU:HD13	1:713:C:SER:HA	10	8.86
(1,68)	1:704:C:LEU:HD11	1:713:C:SER:HA	9	8.86
(1,68)	1:704:C:LEU:HD12	1:713:C:SER:HA	9	8.86
(1,68)	1:704:C:LEU:HD13	1:713:C:SER:HA	9	8.86
(1,68)	1:704:C:LEU:HD11	1:713:C:SER:HA	10	8.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,68)	1:704:C:LEU:HD12	1:713:C:SER:HA	10	8.86
(1,68)	1:704:C:LEU:HD13	1:713:C:SER:HA	10	8.86
(1,67)	1:704:C:LEU:HD11	1:713:C:SER:HA	9	8.86
(1,67)	1:704:C:LEU:HD12	1:713:C:SER:HA	9	8.86
(1,67)	1:704:C:LEU:HD13	1:713:C:SER:HA	9	8.86
(1,67)	1:704:C:LEU:HD11	1:713:C:SER:HA	10	8.86
(1,67)	1:704:C:LEU:HD12	1:713:C:SER:HA	10	8.86
(1,67)	1:704:C:LEU:HD13	1:713:C:SER:HA	10	8.86
(1,69)	1:704:C:LEU:HD11	1:713:C:SER:HA	6	8.74
(1,69)	1:704:C:LEU:HD12	1:713:C:SER:HA	6	8.74
(1,69)	1:704:C:LEU:HD13	1:713:C:SER:HA	6	8.74
(1,68)	1:704:C:LEU:HD11	1:713:C:SER:HA	6	8.74
(1,68)	1:704:C:LEU:HD12	1:713:C:SER:HA	6	8.74
(1,68)	1:704:C:LEU:HD13	1:713:C:SER:HA	6	8.74
(1,67)	1:704:C:LEU:HD11	1:713:C:SER:HA	6	8.74
(1,67)	1:704:C:LEU:HD12	1:713:C:SER:HA	6	8.74
(1,67)	1:704:C:LEU:HD13	1:713:C:SER:HA	6	8.74
(1,69)	1:704:C:LEU:HD11	1:713:C:SER:HA	1	8.72
(1,69)	1:704:C:LEU:HD12	1:713:C:SER:HA	1	8.72
(1,69)	1:704:C:LEU:HD13	1:713:C:SER:HA	1	8.72
(1,68)	1:704:C:LEU:HD11	1:713:C:SER:HA	1	8.72
(1,68)	1:704:C:LEU:HD12	1:713:C:SER:HA	1	8.72
(1,68)	1:704:C:LEU:HD13	1:713:C:SER:HA	1	8.72
(1,67)	1:704:C:LEU:HD11	1:713:C:SER:HA	1	8.72
(1,67)	1:704:C:LEU:HD12	1:713:C:SER:HA	1	8.72
(1,67)	1:704:C:LEU:HD13	1:713:C:SER:HA	1	8.72
(1,69)	1:704:C:LEU:HD11	1:713:C:SER:HA	11	8.71
(1,69)	1:704:C:LEU:HD12	1:713:C:SER:HA	11	8.71
(1,69)	1:704:C:LEU:HD13	1:713:C:SER:HA	11	8.71
(1,68)	1:704:C:LEU:HD11	1:713:C:SER:HA	11	8.71
(1,68)	1:704:C:LEU:HD12	1:713:C:SER:HA	11	8.71
(1,68)	1:704:C:LEU:HD13	1:713:C:SER:HA	11	8.71
(1,67)	1:704:C:LEU:HD11	1:713:C:SER:HA	11	8.71
(1,67)	1:704:C:LEU:HD12	1:713:C:SER:HA	11	8.71
(1,67)	1:704:C:LEU:HD13	1:713:C:SER:HA	11	8.71
(1,69)	1:704:C:LEU:HD11	1:713:C:SER:HA	3	8.67
(1,69)	1:704:C:LEU:HD12	1:713:C:SER:HA	3	8.67
(1,69)	1:704:C:LEU:HD13	1:713:C:SER:HA	3	8.67
(1,68)	1:704:C:LEU:HD11	1:713:C:SER:HA	3	8.67
(1,68)	1:704:C:LEU:HD12	1:713:C:SER:HA	3	8.67
(1,68)	1:704:C:LEU:HD13	1:713:C:SER:HA	3	8.67
(1,67)	1:704:C:LEU:HD11	1:713:C:SER:HA	3	8.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,67)	1:704:C:LEU:HD12	1:713:C:SER:HA	3	8.67
(1,67)	1:704:C:LEU:HD13	1:713:C:SER:HA	3	8.67
(1,69)	1:704:C:LEU:HD11	1:713:C:SER:HA	7	8.63
(1,69)	1:704:C:LEU:HD12	1:713:C:SER:HA	7	8.63
(1,69)	1:704:C:LEU:HD13	1:713:C:SER:HA	7	8.63
(1,68)	1:704:C:LEU:HD11	1:713:C:SER:HA	7	8.63
(1,68)	1:704:C:LEU:HD12	1:713:C:SER:HA	7	8.63
(1,68)	1:704:C:LEU:HD13	1:713:C:SER:HA	7	8.63
(1,67)	1:704:C:LEU:HD11	1:713:C:SER:HA	7	8.63
(1,67)	1:704:C:LEU:HD12	1:713:C:SER:HA	7	8.63
(1,67)	1:704:C:LEU:HD13	1:713:C:SER:HA	7	8.63
(1,69)	1:704:C:LEU:HD11	1:713:C:SER:HA	13	8.6
(1,69)	1:704:C:LEU:HD12	1:713:C:SER:HA	13	8.6
(1,69)	1:704:C:LEU:HD13	1:713:C:SER:HA	13	8.6
(1,68)	1:704:C:LEU:HD11	1:713:C:SER:HA	13	8.6
(1,68)	1:704:C:LEU:HD12	1:713:C:SER:HA	13	8.6
(1,68)	1:704:C:LEU:HD13	1:713:C:SER:HA	13	8.6
(1,67)	1:704:C:LEU:HD11	1:713:C:SER:HA	13	8.6
(1,67)	1:704:C:LEU:HD12	1:713:C:SER:HA	13	8.6
(1,67)	1:704:C:LEU:HD13	1:713:C:SER:HA	13	8.6
(1,84)	1:708:C:VAL:HG21	1:714:C:PRO:HA	6	8.57
(1,84)	1:708:C:VAL:HG22	1:714:C:PRO:HA	6	8.57
(1,84)	1:708:C:VAL:HG23	1:714:C:PRO:HA	6	8.57
(1,83)	1:708:C:VAL:HG21	1:714:C:PRO:HA	6	8.57
(1,83)	1:708:C:VAL:HG22	1:714:C:PRO:HA	6	8.57
(1,83)	1:708:C:VAL:HG23	1:714:C:PRO:HA	6	8.57
(1,82)	1:708:C:VAL:HG21	1:714:C:PRO:HA	6	8.57
(1,82)	1:708:C:VAL:HG22	1:714:C:PRO:HA	6	8.57
(1,82)	1:708:C:VAL:HG23	1:714:C:PRO:HA	6	8.57
(1,84)	1:708:C:VAL:HG21	1:714:C:PRO:HA	3	8.41
(1,84)	1:708:C:VAL:HG22	1:714:C:PRO:HA	3	8.41
(1,84)	1:708:C:VAL:HG23	1:714:C:PRO:HA	3	8.41
(1,83)	1:708:C:VAL:HG21	1:714:C:PRO:HA	3	8.41
(1,83)	1:708:C:VAL:HG22	1:714:C:PRO:HA	3	8.41
(1,83)	1:708:C:VAL:HG23	1:714:C:PRO:HA	3	8.41
(1,82)	1:708:C:VAL:HG21	1:714:C:PRO:HA	3	8.41
(1,82)	1:708:C:VAL:HG22	1:714:C:PRO:HA	3	8.41
(1,82)	1:708:C:VAL:HG23	1:714:C:PRO:HA	3	8.41
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	12	8.39
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	12	8.39
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	12	8.39
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	12	8.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	12	8.39
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	12	8.39
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	12	8.39
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	12	8.39
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	12	8.39
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	12	8.39
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	12	8.39
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	12	8.39
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	12	8.39
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	12	8.39
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	12	8.39
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	12	8.39
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	12	8.39
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	12	8.39
(1,84)	1:708:C:VAL:HG21	1:714:C:PRO:HA	10	8.38
(1,84)	1:708:C:VAL:HG22	1:714:C:PRO:HA	10	8.38
(1,84)	1:708:C:VAL:HG23	1:714:C:PRO:HA	10	8.38
(1,83)	1:708:C:VAL:HG21	1:714:C:PRO:HA	10	8.38
(1,83)	1:708:C:VAL:HG22	1:714:C:PRO:HA	10	8.38
(1,83)	1:708:C:VAL:HG23	1:714:C:PRO:HA	10	8.38
(1,82)	1:708:C:VAL:HG21	1:714:C:PRO:HA	10	8.38
(1,82)	1:708:C:VAL:HG22	1:714:C:PRO:HA	10	8.38
(1,82)	1:708:C:VAL:HG23	1:714:C:PRO:HA	10	8.38
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	5	8.34
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	5	8.34
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	5	8.34
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	5	8.34
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	5	8.34
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	5	8.34
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	5	8.34
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	5	8.34
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	5	8.34
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	5	8.34
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	5	8.34
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	5	8.34
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	5	8.34
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	5	8.34
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	5	8.34
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	5	8.34
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	5	8.34
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	5	8.34
(1,84)	1:708:C:VAL:HG21	1:714:C:PRO:HA	1	8.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,84)	1:708:C:VAL:HG22	1:714:C:PRO:HA	1	8.33
(1,84)	1:708:C:VAL:HG23	1:714:C:PRO:HA	1	8.33
(1,83)	1:708:C:VAL:HG21	1:714:C:PRO:HA	1	8.33
(1,83)	1:708:C:VAL:HG22	1:714:C:PRO:HA	1	8.33
(1,83)	1:708:C:VAL:HG23	1:714:C:PRO:HA	1	8.33
(1,82)	1:708:C:VAL:HG21	1:714:C:PRO:HA	1	8.33
(1,82)	1:708:C:VAL:HG22	1:714:C:PRO:HA	1	8.33
(1,82)	1:708:C:VAL:HG23	1:714:C:PRO:HA	1	8.33
(1,69)	1:704:C:LEU:HD11	1:713:C:SER:HA	8	8.32
(1,69)	1:704:C:LEU:HD12	1:713:C:SER:HA	8	8.32
(1,69)	1:704:C:LEU:HD13	1:713:C:SER:HA	8	8.32
(1,68)	1:704:C:LEU:HD11	1:713:C:SER:HA	8	8.32
(1,68)	1:704:C:LEU:HD12	1:713:C:SER:HA	8	8.32
(1,68)	1:704:C:LEU:HD13	1:713:C:SER:HA	8	8.32
(1,67)	1:704:C:LEU:HD11	1:713:C:SER:HA	8	8.32
(1,67)	1:704:C:LEU:HD12	1:713:C:SER:HA	8	8.32
(1,67)	1:704:C:LEU:HD13	1:713:C:SER:HA	8	8.32
(1,84)	1:708:C:VAL:HG21	1:714:C:PRO:HA	13	8.31
(1,84)	1:708:C:VAL:HG22	1:714:C:PRO:HA	13	8.31
(1,84)	1:708:C:VAL:HG23	1:714:C:PRO:HA	13	8.31
(1,83)	1:708:C:VAL:HG21	1:714:C:PRO:HA	13	8.31
(1,83)	1:708:C:VAL:HG22	1:714:C:PRO:HA	13	8.31
(1,83)	1:708:C:VAL:HG23	1:714:C:PRO:HA	13	8.31
(1,82)	1:708:C:VAL:HG21	1:714:C:PRO:HA	13	8.31
(1,82)	1:708:C:VAL:HG22	1:714:C:PRO:HA	13	8.31
(1,82)	1:708:C:VAL:HG23	1:714:C:PRO:HA	13	8.31
(1,84)	1:708:C:VAL:HG21	1:714:C:PRO:HA	8	8.27
(1,84)	1:708:C:VAL:HG22	1:714:C:PRO:HA	8	8.27
(1,84)	1:708:C:VAL:HG23	1:714:C:PRO:HA	8	8.27
(1,83)	1:708:C:VAL:HG21	1:714:C:PRO:HA	8	8.27
(1,83)	1:708:C:VAL:HG22	1:714:C:PRO:HA	8	8.27
(1,83)	1:708:C:VAL:HG23	1:714:C:PRO:HA	8	8.27
(1,82)	1:708:C:VAL:HG21	1:714:C:PRO:HA	8	8.27
(1,82)	1:708:C:VAL:HG22	1:714:C:PRO:HA	8	8.27
(1,82)	1:708:C:VAL:HG23	1:714:C:PRO:HA	8	8.27
(1,84)	1:708:C:VAL:HG21	1:714:C:PRO:HA	9	8.26
(1,84)	1:708:C:VAL:HG22	1:714:C:PRO:HA	9	8.26
(1,84)	1:708:C:VAL:HG23	1:714:C:PRO:HA	9	8.26
(1,83)	1:708:C:VAL:HG21	1:714:C:PRO:HA	9	8.26
(1,83)	1:708:C:VAL:HG22	1:714:C:PRO:HA	9	8.26
(1,83)	1:708:C:VAL:HG23	1:714:C:PRO:HA	9	8.26
(1,82)	1:708:C:VAL:HG21	1:714:C:PRO:HA	9	8.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:708:C:VAL:HG22	1:714:C:PRO:HA	9	8.26
(1,82)	1:708:C:VAL:HG23	1:714:C:PRO:HA	9	8.26
(1,84)	1:708:C:VAL:HG21	1:714:C:PRO:HA	7	8.25
(1,84)	1:708:C:VAL:HG22	1:714:C:PRO:HA	7	8.25
(1,84)	1:708:C:VAL:HG23	1:714:C:PRO:HA	7	8.25
(1,83)	1:708:C:VAL:HG21	1:714:C:PRO:HA	7	8.25
(1,83)	1:708:C:VAL:HG22	1:714:C:PRO:HA	7	8.25
(1,83)	1:708:C:VAL:HG23	1:714:C:PRO:HA	7	8.25
(1,82)	1:708:C:VAL:HG21	1:714:C:PRO:HA	7	8.25
(1,82)	1:708:C:VAL:HG22	1:714:C:PRO:HA	7	8.25
(1,82)	1:708:C:VAL:HG23	1:714:C:PRO:HA	7	8.25
(1,84)	1:708:C:VAL:HG21	1:714:C:PRO:HA	14	8.23
(1,84)	1:708:C:VAL:HG22	1:714:C:PRO:HA	14	8.23
(1,84)	1:708:C:VAL:HG23	1:714:C:PRO:HA	14	8.23
(1,83)	1:708:C:VAL:HG21	1:714:C:PRO:HA	14	8.23
(1,83)	1:708:C:VAL:HG22	1:714:C:PRO:HA	14	8.23
(1,83)	1:708:C:VAL:HG23	1:714:C:PRO:HA	14	8.23
(1,82)	1:708:C:VAL:HG21	1:714:C:PRO:HA	14	8.23
(1,82)	1:708:C:VAL:HG22	1:714:C:PRO:HA	14	8.23
(1,82)	1:708:C:VAL:HG23	1:714:C:PRO:HA	14	8.23
(1,69)	1:704:C:LEU:HD11	1:713:C:SER:HA	15	8.21
(1,69)	1:704:C:LEU:HD12	1:713:C:SER:HA	15	8.21
(1,69)	1:704:C:LEU:HD13	1:713:C:SER:HA	15	8.21
(1,68)	1:704:C:LEU:HD11	1:713:C:SER:HA	15	8.21
(1,68)	1:704:C:LEU:HD12	1:713:C:SER:HA	15	8.21
(1,68)	1:704:C:LEU:HD13	1:713:C:SER:HA	15	8.21
(1,67)	1:704:C:LEU:HD11	1:713:C:SER:HA	15	8.21
(1,67)	1:704:C:LEU:HD12	1:713:C:SER:HA	15	8.21
(1,67)	1:704:C:LEU:HD13	1:713:C:SER:HA	15	8.21
(1,84)	1:708:C:VAL:HG21	1:714:C:PRO:HA	4	8.19
(1,84)	1:708:C:VAL:HG22	1:714:C:PRO:HA	4	8.19
(1,84)	1:708:C:VAL:HG23	1:714:C:PRO:HA	4	8.19
(1,83)	1:708:C:VAL:HG21	1:714:C:PRO:HA	4	8.19
(1,83)	1:708:C:VAL:HG22	1:714:C:PRO:HA	4	8.19
(1,83)	1:708:C:VAL:HG23	1:714:C:PRO:HA	4	8.19
(1,82)	1:708:C:VAL:HG21	1:714:C:PRO:HA	4	8.19
(1,82)	1:708:C:VAL:HG22	1:714:C:PRO:HA	4	8.19
(1,82)	1:708:C:VAL:HG23	1:714:C:PRO:HA	4	8.19
(1,84)	1:708:C:VAL:HG21	1:714:C:PRO:HA	2	8.15
(1,84)	1:708:C:VAL:HG22	1:714:C:PRO:HA	2	8.15
(1,84)	1:708:C:VAL:HG23	1:714:C:PRO:HA	2	8.15
(1,83)	1:708:C:VAL:HG21	1:714:C:PRO:HA	2	8.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,83)	1:708:C:VAL:HG22	1:714:C:PRO:HA	2	8.15
(1,83)	1:708:C:VAL:HG23	1:714:C:PRO:HA	2	8.15
(1,82)	1:708:C:VAL:HG21	1:714:C:PRO:HA	2	8.15
(1,82)	1:708:C:VAL:HG22	1:714:C:PRO:HA	2	8.15
(1,82)	1:708:C:VAL:HG23	1:714:C:PRO:HA	2	8.15
(1,84)	1:708:C:VAL:HG21	1:714:C:PRO:HA	11	8.14
(1,84)	1:708:C:VAL:HG22	1:714:C:PRO:HA	11	8.14
(1,84)	1:708:C:VAL:HG23	1:714:C:PRO:HA	11	8.14
(1,83)	1:708:C:VAL:HG21	1:714:C:PRO:HA	11	8.14
(1,83)	1:708:C:VAL:HG22	1:714:C:PRO:HA	11	8.14
(1,83)	1:708:C:VAL:HG23	1:714:C:PRO:HA	11	8.14
(1,82)	1:708:C:VAL:HG21	1:714:C:PRO:HA	11	8.14
(1,82)	1:708:C:VAL:HG22	1:714:C:PRO:HA	11	8.14
(1,82)	1:708:C:VAL:HG23	1:714:C:PRO:HA	11	8.14
(1,84)	1:708:C:VAL:HG21	1:714:C:PRO:HA	15	7.91
(1,84)	1:708:C:VAL:HG22	1:714:C:PRO:HA	15	7.91
(1,84)	1:708:C:VAL:HG23	1:714:C:PRO:HA	15	7.91
(1,83)	1:708:C:VAL:HG21	1:714:C:PRO:HA	15	7.91
(1,83)	1:708:C:VAL:HG22	1:714:C:PRO:HA	15	7.91
(1,83)	1:708:C:VAL:HG23	1:714:C:PRO:HA	15	7.91
(1,82)	1:708:C:VAL:HG21	1:714:C:PRO:HA	15	7.91
(1,82)	1:708:C:VAL:HG22	1:714:C:PRO:HA	15	7.91
(1,82)	1:708:C:VAL:HG23	1:714:C:PRO:HA	15	7.91
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	13	7.87
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	13	7.87
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	13	7.87
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	13	7.87
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	13	7.87
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	13	7.87
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	13	7.87
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	13	7.87
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	13	7.87
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	13	7.87
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	13	7.87
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	13	7.87
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	13	7.87
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	13	7.87
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	13	7.87
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	13	7.87
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	13	7.87
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	13	7.87
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	9	7.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	9	7.79
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	9	7.79
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	9	7.79
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	9	7.79
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	9	7.79
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	9	7.79
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	9	7.79
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	9	7.79
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	9	7.79
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	9	7.79
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	9	7.79
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	9	7.79
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	9	7.79
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	9	7.79
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	9	7.79
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	9	7.79
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	9	7.79
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	10	7.76
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	10	7.76
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	10	7.76
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	10	7.76
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	10	7.76
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	10	7.76
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	10	7.76
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	10	7.76
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	10	7.76
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	10	7.76
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	10	7.76
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	10	7.76
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	10	7.76
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	10	7.76
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	10	7.76
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	10	7.76
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	10	7.76
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	10	7.76
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	3	7.73
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	3	7.73
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	3	7.73
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	3	7.73
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	3	7.73
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	3	7.73
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	3	7.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	3	7.73
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	3	7.73
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	3	7.73
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	3	7.73
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	3	7.73
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	3	7.73
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	3	7.73
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	3	7.73
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	3	7.73
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	3	7.73
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	3	7.73
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	6	7.67
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	6	7.67
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	6	7.67
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	6	7.67
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	6	7.67
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	6	7.67
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	6	7.67
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	6	7.67
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	6	7.67
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	6	7.67
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	6	7.67
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	6	7.67
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	6	7.67
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	6	7.67
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	6	7.67
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	6	7.67
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	6	7.67
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	6	7.67
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	14	7.63
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	14	7.63
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	14	7.63
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	14	7.63
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	14	7.63
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	14	7.63
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	14	7.63
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	14	7.63
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	14	7.63
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	14	7.63
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	14	7.63
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	14	7.63
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	14	7.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	14	7.63
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	14	7.63
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	14	7.63
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	14	7.63
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	14	7.63
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	8	7.61
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	8	7.61
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	8	7.61
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	8	7.61
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	8	7.61
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	8	7.61
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	8	7.61
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	8	7.61
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	8	7.61
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	8	7.61
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	8	7.61
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	8	7.61
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	8	7.61
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	8	7.61
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	8	7.61
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	8	7.61
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	8	7.61
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	8	7.61
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	7	7.59
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	7	7.59
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	7	7.59
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	7	7.59
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	7	7.59
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	7	7.59
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	7	7.59
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	7	7.59
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	7	7.59
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	7	7.59
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	7	7.59
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	7	7.59
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	7	7.59
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	7	7.59
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	7	7.59
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	7	7.59
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	7	7.59
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	7	7.59
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	11	7.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	11	7.58
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	11	7.58
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	11	7.58
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	11	7.58
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	11	7.58
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	11	7.58
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	11	7.58
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	11	7.58
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	11	7.58
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	11	7.58
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	11	7.58
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	11	7.58
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	11	7.58
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	11	7.58
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	11	7.58
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	11	7.58
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	11	7.58
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	2	7.56
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	2	7.56
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	2	7.56
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	2	7.56
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	2	7.56
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	2	7.56
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	2	7.56
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	2	7.56
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	2	7.56
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	2	7.56
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	2	7.56
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	2	7.56
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	2	7.56
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	2	7.56
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	2	7.56
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	2	7.56
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	2	7.56
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	2	7.56
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	1	7.45
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	1	7.45
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	1	7.45
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	1	7.45
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	1	7.45
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	1	7.45
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	1	7.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	1	7.45
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	1	7.45
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	1	7.45
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	1	7.45
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	1	7.45
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	1	7.45
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	1	7.45
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	1	7.45
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	1	7.45
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	1	7.45
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	1	7.45
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	4	7.39
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	4	7.39
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	4	7.39
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	4	7.39
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	4	7.39
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	4	7.39
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	4	7.39
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	4	7.39
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	4	7.39
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	4	7.39
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	4	7.39
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	4	7.39
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	4	7.39
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	4	7.39
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	4	7.39
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	4	7.39
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	4	7.39
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	4	7.39
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	1	7.16
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	1	7.16
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	1	7.16
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	1	7.16
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	1	7.16
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	1	7.16
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	1	7.16
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	1	7.16
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	1	7.16
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	1	7.16
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	1	7.16
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	1	7.16
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	1	7.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	1	7.16
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	1	7.16
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	1	7.16
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	1	7.16
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	1	7.16
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	8	7.14
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	8	7.14
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	8	7.14
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	8	7.14
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	8	7.14
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	8	7.14
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	8	7.14
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	8	7.14
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	8	7.14
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	8	7.14
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	8	7.14
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	8	7.14
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	8	7.14
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	8	7.14
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	8	7.14
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	8	7.14
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	8	7.14
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	8	7.14
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	14	7.14
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	14	7.14
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	14	7.14
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	14	7.14
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	14	7.14
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	14	7.14
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	14	7.14
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	14	7.14
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	14	7.14
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	14	7.14
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	14	7.14
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	14	7.14
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	14	7.14
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	14	7.14
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	14	7.14
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	14	7.14
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	14	7.14
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	14	7.14
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	13	7.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	13	7.08
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	13	7.08
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	13	7.08
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	13	7.08
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	13	7.08
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	13	7.08
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	13	7.08
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	13	7.08
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	13	7.08
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	13	7.08
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	13	7.08
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	13	7.08
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	13	7.08
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	13	7.08
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	13	7.08
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	13	7.08
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	13	7.08
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	3	7.07
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	3	7.07
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	3	7.07
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	3	7.07
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	3	7.07
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	3	7.07
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	4	7.07
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	4	7.07
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	4	7.07
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	4	7.07
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	4	7.07
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	4	7.07
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	6	7.07
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	6	7.07
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	6	7.07
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	6	7.07
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	6	7.07
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	6	7.07
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	11	7.07
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	11	7.07
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	11	7.07
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	11	7.07
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	11	7.07
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	11	7.07
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	3	7.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	3	7.07
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	3	7.07
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	3	7.07
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	3	7.07
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	3	7.07
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	4	7.07
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	4	7.07
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	4	7.07
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	4	7.07
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	4	7.07
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	4	7.07
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	6	7.07
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	6	7.07
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	6	7.07
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	6	7.07
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	6	7.07
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	6	7.07
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	11	7.07
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	11	7.07
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	11	7.07
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	11	7.07
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	11	7.07
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	11	7.07
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	3	7.07
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	3	7.07
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	3	7.07
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	3	7.07
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	3	7.07
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	3	7.07
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	4	7.07
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	4	7.07
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	4	7.07
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	4	7.07
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	4	7.07
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	4	7.07
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	6	7.07
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	6	7.07
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	6	7.07
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	6	7.07
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	6	7.07
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	6	7.07
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	11	7.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	11	7.07
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	11	7.07
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	11	7.07
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	11	7.07
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	11	7.07
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	7	7.06
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	7	7.06
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	7	7.06
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	7	7.06
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	7	7.06
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	7	7.06
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	7	7.06
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	7	7.06
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	7	7.06
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	7	7.06
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	7	7.06
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	7	7.06
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	7	7.06
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	7	7.06
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	7	7.06
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	7	7.06
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	7	7.06
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	7	7.06
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	9	7.02
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	9	7.02
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	9	7.02
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	9	7.02
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	9	7.02
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	9	7.02
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	9	7.02
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	9	7.02
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	9	7.02
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	9	7.02
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	9	7.02
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	9	7.02
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	9	7.02
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	9	7.02
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	9	7.02
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	9	7.02
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	9	7.02
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	9	7.02
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	2	6.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	2	6.99
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	2	6.99
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	2	6.99
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	2	6.99
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	2	6.99
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	2	6.99
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	2	6.99
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	2	6.99
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	2	6.99
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	2	6.99
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	2	6.99
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	2	6.99
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	2	6.99
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	2	6.99
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	2	6.99
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	2	6.99
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	2	6.99
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	15	6.98
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	15	6.98
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	15	6.98
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	15	6.98
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	15	6.98
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	15	6.98
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	15	6.98
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	15	6.98
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	15	6.98
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	15	6.98
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	15	6.98
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	15	6.98
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	15	6.98
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	15	6.98
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	15	6.98
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	15	6.98
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	15	6.98
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	15	6.98
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	12	6.92
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	12	6.92
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	12	6.92
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	12	6.92
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	12	6.92
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	12	6.92
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	12	6.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	12	6.92
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	12	6.92
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	12	6.92
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	12	6.92
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	12	6.92
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	12	6.92
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	12	6.92
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	12	6.92
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	12	6.92
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	12	6.92
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	12	6.92
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	15	6.85
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	15	6.85
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	15	6.85
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	15	6.85
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	15	6.85
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	15	6.85
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	15	6.85
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	15	6.85
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	15	6.85
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	15	6.85
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	15	6.85
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	15	6.85
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	15	6.85
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	15	6.85
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	15	6.85
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	15	6.85
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	15	6.85
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	15	6.85
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	5	6.77
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	5	6.77
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	5	6.77
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	5	6.77
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	5	6.77
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	5	6.77
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	5	6.77
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	5	6.77
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	5	6.77
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	5	6.77
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	5	6.77
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	5	6.77
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	5	6.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	5	6.77
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	5	6.77
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	5	6.77
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	5	6.77
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	5	6.77
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	15	6.68
(1,81)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	15	6.68
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	15	6.68
(1,81)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	15	6.68
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	15	6.68
(1,81)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	15	6.68
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	15	6.68
(1,80)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	15	6.68
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	15	6.68
(1,80)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	15	6.68
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	15	6.68
(1,80)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	15	6.68
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	15	6.68
(1,79)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	15	6.68
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	15	6.68
(1,79)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	15	6.68
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	15	6.68
(1,79)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	15	6.68
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	9	6.67
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	9	6.67
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	9	6.67
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	9	6.67
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	9	6.67
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	9	6.67
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	9	6.67
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	9	6.67
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	9	6.67
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	9	6.67
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	9	6.67
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	9	6.67
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	9	6.67
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	9	6.67
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	9	6.67
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	9	6.67
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	9	6.67
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	9	6.67
(1,78)	1:708:C:VAL:HG21	1:713:C:SER:HA	5	6.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,78)	1:708:C:VAL:HG22	1:713:C:SER:HA	5	6.66
(1,78)	1:708:C:VAL:HG23	1:713:C:SER:HA	5	6.66
(1,78)	1:708:C:VAL:HG21	1:713:C:SER:HA	12	6.66
(1,78)	1:708:C:VAL:HG22	1:713:C:SER:HA	12	6.66
(1,78)	1:708:C:VAL:HG23	1:713:C:SER:HA	12	6.66
(1,77)	1:708:C:VAL:HG21	1:713:C:SER:HA	5	6.66
(1,77)	1:708:C:VAL:HG22	1:713:C:SER:HA	5	6.66
(1,77)	1:708:C:VAL:HG23	1:713:C:SER:HA	5	6.66
(1,77)	1:708:C:VAL:HG21	1:713:C:SER:HA	12	6.66
(1,77)	1:708:C:VAL:HG22	1:713:C:SER:HA	12	6.66
(1,77)	1:708:C:VAL:HG23	1:713:C:SER:HA	12	6.66
(1,76)	1:708:C:VAL:HG21	1:713:C:SER:HA	5	6.66
(1,76)	1:708:C:VAL:HG22	1:713:C:SER:HA	5	6.66
(1,76)	1:708:C:VAL:HG23	1:713:C:SER:HA	5	6.66
(1,76)	1:708:C:VAL:HG21	1:713:C:SER:HA	12	6.66
(1,76)	1:708:C:VAL:HG22	1:713:C:SER:HA	12	6.66
(1,76)	1:708:C:VAL:HG23	1:713:C:SER:HA	12	6.66
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	10	6.61
(1,66)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	10	6.61
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	10	6.61
(1,66)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	10	6.61
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	10	6.61
(1,66)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	10	6.61
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	10	6.61
(1,65)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	10	6.61
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	10	6.61
(1,65)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	10	6.61
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	10	6.61
(1,65)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	10	6.61
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE1	10	6.61
(1,64)	1:704:C:LEU:HD11	1:712:C:TYR:HE2	10	6.61
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE1	10	6.61
(1,64)	1:704:C:LEU:HD12	1:712:C:TYR:HE2	10	6.61
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE1	10	6.61
(1,64)	1:704:C:LEU:HD13	1:712:C:TYR:HE2	10	6.61
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	1	6.61
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	1	6.61
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	1	6.61
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	1	6.61
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	1	6.61
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	1	6.61
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	1	6.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	1	6.61
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	1	6.61
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	1	6.61
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	1	6.61
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	1	6.61
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	1	6.61
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	1	6.61
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	1	6.61
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	1	6.61
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	1	6.61
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	1	6.61
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	7	6.58
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	7	6.58
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	7	6.58
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	7	6.58
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	7	6.58
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	7	6.58
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	7	6.58
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	7	6.58
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	7	6.58
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	7	6.58
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	7	6.58
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	7	6.58
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	7	6.58
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	7	6.58
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	7	6.58
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	7	6.58
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	7	6.58
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	7	6.58
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	15	6.57
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	15	6.57
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	15	6.57
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	15	6.57
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	15	6.57
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	15	6.57
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	15	6.57
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	15	6.57
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	15	6.57
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	15	6.57
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	15	6.57
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	15	6.57
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	15	6.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	15	6.57
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	15	6.57
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	15	6.57
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	15	6.57
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	15	6.57
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	1	6.57
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	1	6.57
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	1	6.57
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	1	6.57
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	1	6.57
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	1	6.57
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	1	6.57
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	1	6.57
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	1	6.57
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	1	6.57
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	1	6.57
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	1	6.57
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	1	6.57
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	1	6.57
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	1	6.57
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	1	6.57
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	1	6.57
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	1	6.57
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	6	6.56
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	6	6.56
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	6	6.56
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	6	6.56
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	6	6.56
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	6	6.56
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	6	6.56
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	6	6.56
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	6	6.56
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	6	6.56
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	6	6.56
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	6	6.56
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	6	6.56
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	6	6.56
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	6	6.56
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	6	6.56
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	6	6.56
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	6	6.56
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	2	6.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	2	6.54
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	2	6.54
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	2	6.54
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	2	6.54
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	2	6.54
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	2	6.54
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	2	6.54
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	2	6.54
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	2	6.54
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	2	6.54
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	2	6.54
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	2	6.54
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	2	6.54
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	2	6.54
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	2	6.54
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	2	6.54
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	2	6.54
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	9	6.5
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	9	6.5
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	9	6.5
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	9	6.5
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	9	6.5
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	9	6.5
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	9	6.5
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	9	6.5
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	9	6.5
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	9	6.5
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	9	6.5
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	9	6.5
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	9	6.5
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	9	6.5
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	9	6.5
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	9	6.5
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	9	6.5
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	9	6.5
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	11	6.46
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	11	6.46
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	11	6.46
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	11	6.46
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	11	6.46
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	11	6.46
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	11	6.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	11	6.46
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	11	6.46
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	11	6.46
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	11	6.46
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	11	6.46
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	11	6.46
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	11	6.46
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	11	6.46
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	11	6.46
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	11	6.46
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	11	6.46
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	7	6.45
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	7	6.45
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	7	6.45
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	7	6.45
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	7	6.45
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	7	6.45
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	7	6.45
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	7	6.45
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	7	6.45
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	7	6.45
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	7	6.45
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	7	6.45
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	7	6.45
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	7	6.45
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	7	6.45
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	7	6.45
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	7	6.45
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	7	6.45
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	2	6.43
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	2	6.43
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	2	6.43
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	2	6.43
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	2	6.43
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	2	6.43
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	6	6.43
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	6	6.43
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	6	6.43
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	6	6.43
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	6	6.43
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	6	6.43
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	11	6.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	11	6.43
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	11	6.43
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	11	6.43
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	11	6.43
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	11	6.43
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	2	6.43
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	2	6.43
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	2	6.43
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	2	6.43
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	2	6.43
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	2	6.43
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	6	6.43
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	6	6.43
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	6	6.43
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	6	6.43
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	6	6.43
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	6	6.43
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	11	6.43
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	11	6.43
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	11	6.43
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	11	6.43
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	11	6.43
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	11	6.43
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	2	6.43
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	2	6.43
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	2	6.43
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	2	6.43
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	2	6.43
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	2	6.43
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	6	6.43
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	6	6.43
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	6	6.43
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	6	6.43
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	6	6.43
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	6	6.43
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	11	6.43
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	11	6.43
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	11	6.43
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	11	6.43
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	11	6.43
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	11	6.43
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	4	6.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	4	6.43
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	4	6.43
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	4	6.43
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	4	6.43
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	4	6.43
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	4	6.43
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	4	6.43
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	4	6.43
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	4	6.43
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	4	6.43
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	4	6.43
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	4	6.43
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	4	6.43
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	4	6.43
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	4	6.43
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	4	6.43
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	4	6.43
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	8	6.37
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	8	6.37
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	8	6.37
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	8	6.37
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	8	6.37
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	8	6.37
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	8	6.37
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	8	6.37
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	8	6.37
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	8	6.37
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	8	6.37
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	8	6.37
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	8	6.37
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	8	6.37
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	8	6.37
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	8	6.37
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	8	6.37
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	8	6.37
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	8	6.37
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	8	6.37
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	8	6.37
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	8	6.37
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	8	6.37
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	8	6.37
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	8	6.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	8	6.37
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	8	6.37
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	8	6.37
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	8	6.37
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	8	6.37
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	8	6.37
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	8	6.37
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	8	6.37
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	8	6.37
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	8	6.37
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	8	6.37
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	13	6.36
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	13	6.36
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	13	6.36
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	13	6.36
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	13	6.36
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	13	6.36
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	13	6.36
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	13	6.36
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	13	6.36
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	13	6.36
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	13	6.36
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	13	6.36
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	13	6.36
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	13	6.36
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	13	6.36
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	13	6.36
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	13	6.36
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	13	6.36
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	4	6.35
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	4	6.35
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	4	6.35
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	4	6.35
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	4	6.35
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	4	6.35
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	4	6.35
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	4	6.35
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	4	6.35
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	4	6.35
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	4	6.35
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	4	6.35
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	4	6.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	4	6.35
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	4	6.35
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	4	6.35
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	4	6.35
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	4	6.35
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	13	6.34
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	13	6.34
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	13	6.34
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	13	6.34
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	13	6.34
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	13	6.34
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	13	6.34
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	13	6.34
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	13	6.34
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	13	6.34
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	13	6.34
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	13	6.34
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	13	6.34
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	13	6.34
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	13	6.34
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	13	6.34
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	13	6.34
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	13	6.34
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	12	6.32
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	12	6.32
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	12	6.32
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	12	6.32
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	12	6.32
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	12	6.32
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	12	6.32
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	12	6.32
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	12	6.32
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	12	6.32
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	12	6.32
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	12	6.32
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	12	6.32
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	12	6.32
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	12	6.32
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	12	6.32
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	12	6.32
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	12	6.32
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	3	6.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	3	6.28
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	3	6.28
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	3	6.28
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	3	6.28
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	3	6.28
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	3	6.28
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	3	6.28
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	3	6.28
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	3	6.28
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	3	6.28
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	3	6.28
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	3	6.28
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	3	6.28
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	3	6.28
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	3	6.28
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	3	6.28
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	3	6.28
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	3	6.25
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	3	6.25
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	3	6.25
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	3	6.25
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	3	6.25
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	3	6.25
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	3	6.25
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	3	6.25
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	3	6.25
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	3	6.25
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	3	6.25
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	3	6.25
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	3	6.25
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	3	6.25
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	3	6.25
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	3	6.25
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	3	6.25
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	3	6.25
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	5	6.24
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	5	6.24
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	5	6.24
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	5	6.24
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	5	6.24
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	5	6.24
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	5	6.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	5	6.24
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	5	6.24
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	5	6.24
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	5	6.24
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	5	6.24
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	5	6.24
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	5	6.24
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	5	6.24
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	5	6.24
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	5	6.24
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	5	6.24
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	10	6.15
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	10	6.15
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	10	6.15
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	10	6.15
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	10	6.15
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	10	6.15
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	10	6.15
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	10	6.15
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	10	6.15
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	10	6.15
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	10	6.15
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	10	6.15
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	10	6.15
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	10	6.15
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	10	6.15
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	10	6.15
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	10	6.15
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	10	6.15
(1,78)	1:708:C:VAL:HG21	1:713:C:SER:HA	13	6.13
(1,78)	1:708:C:VAL:HG22	1:713:C:SER:HA	13	6.13
(1,78)	1:708:C:VAL:HG23	1:713:C:SER:HA	13	6.13
(1,77)	1:708:C:VAL:HG21	1:713:C:SER:HA	13	6.13
(1,77)	1:708:C:VAL:HG22	1:713:C:SER:HA	13	6.13
(1,77)	1:708:C:VAL:HG23	1:713:C:SER:HA	13	6.13
(1,76)	1:708:C:VAL:HG21	1:713:C:SER:HA	13	6.13
(1,76)	1:708:C:VAL:HG22	1:713:C:SER:HA	13	6.13
(1,76)	1:708:C:VAL:HG23	1:713:C:SER:HA	13	6.13
(1,78)	1:708:C:VAL:HG21	1:713:C:SER:HA	3	6.11
(1,78)	1:708:C:VAL:HG22	1:713:C:SER:HA	3	6.11
(1,78)	1:708:C:VAL:HG23	1:713:C:SER:HA	3	6.11
(1,78)	1:708:C:VAL:HG21	1:713:C:SER:HA	11	6.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,78)	1:708:C:VAL:HG22	1:713:C:SER:HA	11	6.11
(1,78)	1:708:C:VAL:HG23	1:713:C:SER:HA	11	6.11
(1,77)	1:708:C:VAL:HG21	1:713:C:SER:HA	3	6.11
(1,77)	1:708:C:VAL:HG22	1:713:C:SER:HA	3	6.11
(1,77)	1:708:C:VAL:HG23	1:713:C:SER:HA	3	6.11
(1,77)	1:708:C:VAL:HG21	1:713:C:SER:HA	11	6.11
(1,77)	1:708:C:VAL:HG22	1:713:C:SER:HA	11	6.11
(1,77)	1:708:C:VAL:HG23	1:713:C:SER:HA	11	6.11
(1,76)	1:708:C:VAL:HG21	1:713:C:SER:HA	3	6.11
(1,76)	1:708:C:VAL:HG22	1:713:C:SER:HA	3	6.11
(1,76)	1:708:C:VAL:HG23	1:713:C:SER:HA	3	6.11
(1,76)	1:708:C:VAL:HG21	1:713:C:SER:HA	11	6.11
(1,76)	1:708:C:VAL:HG22	1:713:C:SER:HA	11	6.11
(1,76)	1:708:C:VAL:HG23	1:713:C:SER:HA	11	6.11
(1,78)	1:708:C:VAL:HG21	1:713:C:SER:HA	7	6.07
(1,78)	1:708:C:VAL:HG22	1:713:C:SER:HA	7	6.07
(1,78)	1:708:C:VAL:HG23	1:713:C:SER:HA	7	6.07
(1,77)	1:708:C:VAL:HG21	1:713:C:SER:HA	7	6.07
(1,77)	1:708:C:VAL:HG22	1:713:C:SER:HA	7	6.07
(1,77)	1:708:C:VAL:HG23	1:713:C:SER:HA	7	6.07
(1,76)	1:708:C:VAL:HG21	1:713:C:SER:HA	7	6.07
(1,76)	1:708:C:VAL:HG22	1:713:C:SER:HA	7	6.07
(1,76)	1:708:C:VAL:HG23	1:713:C:SER:HA	7	6.07
(1,78)	1:708:C:VAL:HG21	1:713:C:SER:HA	9	6.06
(1,78)	1:708:C:VAL:HG22	1:713:C:SER:HA	9	6.06
(1,78)	1:708:C:VAL:HG23	1:713:C:SER:HA	9	6.06
(1,77)	1:708:C:VAL:HG21	1:713:C:SER:HA	9	6.06
(1,77)	1:708:C:VAL:HG22	1:713:C:SER:HA	9	6.06
(1,77)	1:708:C:VAL:HG23	1:713:C:SER:HA	9	6.06
(1,76)	1:708:C:VAL:HG21	1:713:C:SER:HA	9	6.06
(1,76)	1:708:C:VAL:HG22	1:713:C:SER:HA	9	6.06
(1,76)	1:708:C:VAL:HG23	1:713:C:SER:HA	9	6.06
(1,78)	1:708:C:VAL:HG21	1:713:C:SER:HA	6	6.05
(1,78)	1:708:C:VAL:HG22	1:713:C:SER:HA	6	6.05
(1,78)	1:708:C:VAL:HG23	1:713:C:SER:HA	6	6.05
(1,77)	1:708:C:VAL:HG21	1:713:C:SER:HA	6	6.05
(1,77)	1:708:C:VAL:HG22	1:713:C:SER:HA	6	6.05
(1,77)	1:708:C:VAL:HG23	1:713:C:SER:HA	6	6.05
(1,76)	1:708:C:VAL:HG21	1:713:C:SER:HA	6	6.05
(1,76)	1:708:C:VAL:HG22	1:713:C:SER:HA	6	6.05
(1,76)	1:708:C:VAL:HG23	1:713:C:SER:HA	6	6.05
(1,78)	1:708:C:VAL:HG21	1:713:C:SER:HA	10	6.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,78)	1:708:C:VAL:HG22	1:713:C:SER:HA	10	6.03
(1,78)	1:708:C:VAL:HG23	1:713:C:SER:HA	10	6.03
(1,77)	1:708:C:VAL:HG21	1:713:C:SER:HA	10	6.03
(1,77)	1:708:C:VAL:HG22	1:713:C:SER:HA	10	6.03
(1,77)	1:708:C:VAL:HG23	1:713:C:SER:HA	10	6.03
(1,76)	1:708:C:VAL:HG21	1:713:C:SER:HA	10	6.03
(1,76)	1:708:C:VAL:HG22	1:713:C:SER:HA	10	6.03
(1,76)	1:708:C:VAL:HG23	1:713:C:SER:HA	10	6.03
(1,78)	1:708:C:VAL:HG21	1:713:C:SER:HA	2	6.01
(1,78)	1:708:C:VAL:HG22	1:713:C:SER:HA	2	6.01
(1,78)	1:708:C:VAL:HG23	1:713:C:SER:HA	2	6.01
(1,77)	1:708:C:VAL:HG21	1:713:C:SER:HA	2	6.01
(1,77)	1:708:C:VAL:HG22	1:713:C:SER:HA	2	6.01
(1,77)	1:708:C:VAL:HG23	1:713:C:SER:HA	2	6.01
(1,76)	1:708:C:VAL:HG21	1:713:C:SER:HA	2	6.01
(1,76)	1:708:C:VAL:HG22	1:713:C:SER:HA	2	6.01
(1,76)	1:708:C:VAL:HG23	1:713:C:SER:HA	2	6.01
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	10	5.99
(1,63)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	10	5.99
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	10	5.99
(1,63)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	10	5.99
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	10	5.99
(1,63)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	10	5.99
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	10	5.99
(1,62)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	10	5.99
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	10	5.99
(1,62)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	10	5.99
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	10	5.99
(1,62)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	10	5.99
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD1	10	5.99
(1,61)	1:704:C:LEU:HD11	1:712:C:TYR:HD2	10	5.99
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD1	10	5.99
(1,61)	1:704:C:LEU:HD12	1:712:C:TYR:HD2	10	5.99
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD1	10	5.99
(1,61)	1:704:C:LEU:HD13	1:712:C:TYR:HD2	10	5.99
(1,75)	1:710:C:GLN:HE21	1:707:C:ARG:HE	1	5.98
(1,75)	1:710:C:GLN:HE22	1:707:C:ARG:HE	1	5.98
(1,74)	1:710:C:GLN:HE21	1:707:C:ARG:HE	1	5.98
(1,74)	1:710:C:GLN:HE22	1:707:C:ARG:HE	1	5.98
(1,73)	1:710:C:GLN:HE21	1:707:C:ARG:HE	1	5.98
(1,73)	1:710:C:GLN:HE22	1:707:C:ARG:HE	1	5.98
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	5	5.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	5	5.95
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	5	5.95
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	5	5.95
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	5	5.95
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	5	5.95
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	12	5.95
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	12	5.95
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	12	5.95
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	12	5.95
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	12	5.95
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	12	5.95
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	5	5.95
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	5	5.95
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	5	5.95
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	5	5.95
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	5	5.95
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	5	5.95
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	12	5.95
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	12	5.95
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	12	5.95
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	12	5.95
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	12	5.95
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	12	5.95
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	5	5.95
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	5	5.95
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	5	5.95
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	5	5.95
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	5	5.95
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	5	5.95
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	12	5.95
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	12	5.95
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	12	5.95
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	12	5.95
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	12	5.95
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	12	5.95
(1,78)	1:708:C:VAL:HG21	1:713:C:SER:HA	8	5.94
(1,78)	1:708:C:VAL:HG22	1:713:C:SER:HA	8	5.94
(1,78)	1:708:C:VAL:HG23	1:713:C:SER:HA	8	5.94
(1,78)	1:708:C:VAL:HG21	1:713:C:SER:HA	14	5.94
(1,78)	1:708:C:VAL:HG22	1:713:C:SER:HA	14	5.94
(1,78)	1:708:C:VAL:HG23	1:713:C:SER:HA	14	5.94
(1,77)	1:708:C:VAL:HG21	1:713:C:SER:HA	8	5.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,77)	1:708:C:VAL:HG22	1:713:C:SER:HA	8	5.94
(1,77)	1:708:C:VAL:HG23	1:713:C:SER:HA	8	5.94
(1,77)	1:708:C:VAL:HG21	1:713:C:SER:HA	14	5.94
(1,77)	1:708:C:VAL:HG22	1:713:C:SER:HA	14	5.94
(1,77)	1:708:C:VAL:HG23	1:713:C:SER:HA	14	5.94
(1,76)	1:708:C:VAL:HG21	1:713:C:SER:HA	8	5.94
(1,76)	1:708:C:VAL:HG22	1:713:C:SER:HA	8	5.94
(1,76)	1:708:C:VAL:HG23	1:713:C:SER:HA	8	5.94
(1,76)	1:708:C:VAL:HG21	1:713:C:SER:HA	14	5.94
(1,76)	1:708:C:VAL:HG22	1:713:C:SER:HA	14	5.94
(1,76)	1:708:C:VAL:HG23	1:713:C:SER:HA	14	5.94
(1,78)	1:708:C:VAL:HG21	1:713:C:SER:HA	4	5.78
(1,78)	1:708:C:VAL:HG22	1:713:C:SER:HA	4	5.78
(1,78)	1:708:C:VAL:HG23	1:713:C:SER:HA	4	5.78
(1,77)	1:708:C:VAL:HG21	1:713:C:SER:HA	4	5.78
(1,77)	1:708:C:VAL:HG22	1:713:C:SER:HA	4	5.78
(1,77)	1:708:C:VAL:HG23	1:713:C:SER:HA	4	5.78
(1,76)	1:708:C:VAL:HG21	1:713:C:SER:HA	4	5.78
(1,76)	1:708:C:VAL:HG22	1:713:C:SER:HA	4	5.78
(1,76)	1:708:C:VAL:HG23	1:713:C:SER:HA	4	5.78
(1,78)	1:708:C:VAL:HG21	1:713:C:SER:HA	1	5.61
(1,78)	1:708:C:VAL:HG22	1:713:C:SER:HA	1	5.61
(1,78)	1:708:C:VAL:HG23	1:713:C:SER:HA	1	5.61
(1,77)	1:708:C:VAL:HG21	1:713:C:SER:HA	1	5.61
(1,77)	1:708:C:VAL:HG22	1:713:C:SER:HA	1	5.61
(1,77)	1:708:C:VAL:HG23	1:713:C:SER:HA	1	5.61
(1,76)	1:708:C:VAL:HG21	1:713:C:SER:HA	1	5.61
(1,76)	1:708:C:VAL:HG22	1:713:C:SER:HA	1	5.61
(1,76)	1:708:C:VAL:HG23	1:713:C:SER:HA	1	5.61
(1,78)	1:708:C:VAL:HG21	1:713:C:SER:HA	15	5.43
(1,78)	1:708:C:VAL:HG22	1:713:C:SER:HA	15	5.43
(1,78)	1:708:C:VAL:HG23	1:713:C:SER:HA	15	5.43
(1,77)	1:708:C:VAL:HG21	1:713:C:SER:HA	15	5.43
(1,77)	1:708:C:VAL:HG22	1:713:C:SER:HA	15	5.43
(1,77)	1:708:C:VAL:HG23	1:713:C:SER:HA	15	5.43
(1,76)	1:708:C:VAL:HG21	1:713:C:SER:HA	15	5.43
(1,76)	1:708:C:VAL:HG22	1:713:C:SER:HA	15	5.43
(1,76)	1:708:C:VAL:HG23	1:713:C:SER:HA	15	5.43
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	14	4.94
(1,57)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	14	4.94
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	14	4.94
(1,57)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	14	4.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	14	4.94
(1,57)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	14	4.94
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	14	4.94
(1,56)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	14	4.94
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	14	4.94
(1,56)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	14	4.94
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	14	4.94
(1,56)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	14	4.94
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB2	14	4.94
(1,55)	1:704:C:LEU:HD11	1:712:C:TYR:HB3	14	4.94
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB2	14	4.94
(1,55)	1:704:C:LEU:HD12	1:712:C:TYR:HB3	14	4.94
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB2	14	4.94
(1,55)	1:704:C:LEU:HD13	1:712:C:TYR:HB3	14	4.94
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH11	12	4.17
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH12	12	4.17
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH11	12	4.17
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH12	12	4.17
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH11	12	4.17
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH12	12	4.17
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH11	11	3.95
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH12	11	3.95
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH11	11	3.95
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH12	11	3.95
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH11	11	3.95
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH12	11	3.95
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH11	5	3.83
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH12	5	3.83
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH11	5	3.83
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH12	5	3.83
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH11	5	3.83
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH12	5	3.83
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH11	7	3.75
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH12	7	3.75
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH11	7	3.75
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH12	7	3.75
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH11	7	3.75
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH12	7	3.75
(1,75)	1:710:C:GLN:HE21	1:707:C:ARG:HE	5	3.64
(1,75)	1:710:C:GLN:HE22	1:707:C:ARG:HE	5	3.64
(1,74)	1:710:C:GLN:HE21	1:707:C:ARG:HE	5	3.64
(1,74)	1:710:C:GLN:HE22	1:707:C:ARG:HE	5	3.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,73)	1:710:C:GLN:HE21	1:707:C:ARG:HE	5	3.64
(1,73)	1:710:C:GLN:HE22	1:707:C:ARG:HE	5	3.64
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH11	3	3.61
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH12	3	3.61
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH11	3	3.61
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH12	3	3.61
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH11	3	3.61
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH12	3	3.61
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH11	6	3.52
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH12	6	3.52
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH11	6	3.52
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH12	6	3.52
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH11	6	3.52
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH12	6	3.52
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH11	9	3.39
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH12	9	3.39
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH11	9	3.39
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH12	9	3.39
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH11	9	3.39
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH12	9	3.39
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH11	8	3.37
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH12	8	3.37
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH11	8	3.37
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH12	8	3.37
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH11	8	3.37
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH12	8	3.37
(1,75)	1:710:C:GLN:HE21	1:707:C:ARG:HE	12	3.32
(1,75)	1:710:C:GLN:HE22	1:707:C:ARG:HE	12	3.32
(1,74)	1:710:C:GLN:HE21	1:707:C:ARG:HE	12	3.32
(1,74)	1:710:C:GLN:HE22	1:707:C:ARG:HE	12	3.32
(1,73)	1:710:C:GLN:HE21	1:707:C:ARG:HE	12	3.32
(1,73)	1:710:C:GLN:HE22	1:707:C:ARG:HE	12	3.32
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH11	4	3.27
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH12	4	3.27
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH11	4	3.27
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH12	4	3.27
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH11	4	3.27
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH12	4	3.27
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH11	15	3.25
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH12	15	3.25
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH11	15	3.25
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH12	15	3.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH11	15	3.25
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH12	15	3.25
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH11	1	3.22
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH12	1	3.22
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH11	1	3.22
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH12	1	3.22
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH11	1	3.22
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH12	1	3.22
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH11	14	3.13
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH12	14	3.13
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH11	14	3.13
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH12	14	3.13
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH11	14	3.13
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH12	14	3.13
(1,75)	1:710:C:GLN:HE21	1:707:C:ARG:HE	10	3.12
(1,75)	1:710:C:GLN:HE22	1:707:C:ARG:HE	10	3.12
(1,74)	1:710:C:GLN:HE21	1:707:C:ARG:HE	10	3.12
(1,74)	1:710:C:GLN:HE22	1:707:C:ARG:HE	10	3.12
(1,73)	1:710:C:GLN:HE21	1:707:C:ARG:HE	10	3.12
(1,73)	1:710:C:GLN:HE22	1:707:C:ARG:HE	10	3.12
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH11	13	3.09
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH12	13	3.09
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH11	13	3.09
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH12	13	3.09
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH11	13	3.09
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH12	13	3.09
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	6	2.93
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	6	2.93
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	6	2.93
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	6	2.93
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	6	2.93
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	6	2.93
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	6	2.93
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	6	2.93
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	6	2.93
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	6	2.93
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	6	2.93
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	6	2.93
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	6	2.93
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	6	2.93
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	6	2.93
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	6	2.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	6	2.93
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	6	2.93
(1,75)	1:710:C:GLN:HE21	1:707:C:ARG:HE	13	2.89
(1,75)	1:710:C:GLN:HE22	1:707:C:ARG:HE	13	2.89
(1,74)	1:710:C:GLN:HE21	1:707:C:ARG:HE	13	2.89
(1,74)	1:710:C:GLN:HE22	1:707:C:ARG:HE	13	2.89
(1,73)	1:710:C:GLN:HE21	1:707:C:ARG:HE	13	2.89
(1,73)	1:710:C:GLN:HE22	1:707:C:ARG:HE	13	2.89
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	4	2.85
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	4	2.85
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	4	2.85
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	4	2.85
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	4	2.85
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	4	2.85
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	4	2.85
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	4	2.85
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	4	2.85
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	4	2.85
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	4	2.85
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	4	2.85
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	4	2.85
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	4	2.85
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	4	2.85
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	4	2.85
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	4	2.85
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	4	2.85
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	3	2.83
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	3	2.83
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	3	2.83
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	10	2.83
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	10	2.83
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	10	2.83
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	3	2.83
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	3	2.83
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	3	2.83
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	10	2.83
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	10	2.83
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	10	2.83
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	3	2.83
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	3	2.83
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	3	2.83
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	10	2.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	10	2.83
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	10	2.83
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH11	2	2.82
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH12	2	2.82
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH11	2	2.82
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH12	2	2.82
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH11	2	2.82
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH12	2	2.82
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH11	10	2.79
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH12	10	2.79
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH11	10	2.79
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH12	10	2.79
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH11	10	2.79
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH12	10	2.79
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	9	2.78
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	9	2.78
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	9	2.78
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	9	2.78
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	9	2.78
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	9	2.78
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	9	2.78
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	9	2.78
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	9	2.78
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	9	2.78
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	9	2.78
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	9	2.78
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	9	2.78
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	9	2.78
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	9	2.78
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	9	2.78
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	9	2.78
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	9	2.78
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	5	2.76
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	5	2.76
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	5	2.76
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	5	2.76
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	5	2.76
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	5	2.76
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	5	2.76
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	5	2.76
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	5	2.76
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	5	2.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	5	2.76
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	5	2.76
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	5	2.76
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	5	2.76
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	5	2.76
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	5	2.76
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	5	2.76
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	5	2.76
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	5	2.76
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	5	2.76
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	5	2.76
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	5	2.76
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	5	2.76
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	5	2.76
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	5	2.76
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	5	2.76
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	5	2.76
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	6	2.74
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	6	2.74
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	6	2.74
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	6	2.74
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	6	2.74
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	6	2.74
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	6	2.74
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	6	2.74
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	6	2.74
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	15	2.72
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	15	2.72
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	15	2.72
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	15	2.72
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	15	2.72
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	15	2.72
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	15	2.72
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	15	2.72
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	15	2.72
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	13	2.71
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	13	2.71
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	13	2.71
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	13	2.71
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	13	2.71
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	13	2.71
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	13	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	13	2.71
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	13	2.71
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	9	2.7
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	9	2.7
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	9	2.7
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	9	2.7
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	9	2.7
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	9	2.7
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	9	2.7
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	9	2.7
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	9	2.7
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	9	2.7
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	9	2.7
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	9	2.7
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	9	2.7
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	9	2.7
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	9	2.7
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	9	2.7
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	9	2.7
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	9	2.7
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	14	2.68
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	14	2.68
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	14	2.68
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	14	2.68
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	14	2.68
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	14	2.68
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	14	2.68
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	14	2.68
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	14	2.68
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	14	2.68
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	14	2.68
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	14	2.68
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	14	2.68
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	14	2.68
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	14	2.68
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	14	2.68
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	14	2.68
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	14	2.68
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	14	2.68
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	14	2.68
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	14	2.68
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	14	2.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	14	2.68
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	14	2.68
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	14	2.68
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	14	2.68
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	14	2.68
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	4	2.66
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	4	2.66
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	4	2.66
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	4	2.66
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	4	2.66
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	4	2.66
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	4	2.66
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	4	2.66
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	4	2.66
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	7	2.66
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	7	2.66
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	7	2.66
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	7	2.66
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	7	2.66
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	7	2.66
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	7	2.66
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	7	2.66
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	7	2.66
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	4	2.66
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	4	2.66
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	4	2.66
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	4	2.66
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	4	2.66
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	4	2.66
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	4	2.66
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	4	2.66
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	4	2.66
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	7	2.66
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	7	2.66
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	7	2.66
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	7	2.66
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	7	2.66
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	7	2.66
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	7	2.66
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	7	2.66
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	7	2.66
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	4	2.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	4	2.66
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	4	2.66
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	4	2.66
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	4	2.66
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	4	2.66
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	4	2.66
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	4	2.66
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	4	2.66
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	7	2.66
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	7	2.66
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	7	2.66
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	7	2.66
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	7	2.66
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	7	2.66
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	7	2.66
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	7	2.66
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	7	2.66
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	11	2.65
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	11	2.65
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	11	2.65
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	11	2.65
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	11	2.65
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	11	2.65
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	11	2.65
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	11	2.65
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	11	2.65
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	2	2.64
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	2	2.64
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	2	2.64
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	2	2.64
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	2	2.64
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	2	2.64
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	2	2.64
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	2	2.64
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	2	2.64
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	2	2.64
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	2	2.64
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	2	2.64
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	2	2.64
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	2	2.64
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	2	2.64
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	2	2.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	2	2.64
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	2	2.64
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	2	2.64
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	2	2.64
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	2	2.64
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	2	2.64
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	2	2.64
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	2	2.64
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	2	2.64
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	2	2.64
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	2	2.64
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	12	2.63
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	12	2.63
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	12	2.63
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	12	2.63
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	12	2.63
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	12	2.63
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	12	2.63
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	12	2.63
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	12	2.63
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	12	2.63
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	12	2.63
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	12	2.63
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	12	2.63
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	12	2.63
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	12	2.63
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	12	2.63
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	12	2.63
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	12	2.63
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	12	2.63
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	12	2.63
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	12	2.63
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	12	2.63
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	12	2.63
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	12	2.63
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	12	2.63
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	12	2.63
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	12	2.63
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	4	2.63
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	4	2.63
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	4	2.63
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	4	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	4	2.63
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	4	2.63
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	4	2.63
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	4	2.63
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	4	2.63
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	9	2.63
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	9	2.63
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	9	2.63
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	9	2.63
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	9	2.63
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	9	2.63
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	9	2.63
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	9	2.63
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	9	2.63
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	1	2.6
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	1	2.6
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	1	2.6
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	1	2.6
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	1	2.6
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	1	2.6
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	1	2.6
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	1	2.6
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	1	2.6
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	8	2.59
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	8	2.59
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	8	2.59
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	8	2.59
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	8	2.59
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	8	2.59
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	8	2.59
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	8	2.59
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	8	2.59
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	3	2.59
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	3	2.59
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	3	2.59
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	3	2.59
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	3	2.59
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	3	2.59
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	3	2.59
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	3	2.59
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	3	2.59
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	3	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	3	2.59
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	3	2.59
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	3	2.59
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	3	2.59
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	3	2.59
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	3	2.59
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	3	2.59
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	3	2.59
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	15	2.58
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	15	2.58
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	15	2.58
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	15	2.58
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	15	2.58
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	15	2.58
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	15	2.58
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	15	2.58
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	15	2.58
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	15	2.58
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	15	2.58
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	15	2.58
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	15	2.58
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	15	2.58
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	15	2.58
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	15	2.58
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	15	2.58
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	15	2.58
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	15	2.58
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	15	2.58
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	15	2.58
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	15	2.58
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	15	2.58
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	15	2.58
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	15	2.58
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	15	2.58
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	15	2.58
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	8	2.57
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	8	2.57
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	8	2.57
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	8	2.57
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	8	2.57
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	8	2.57
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	8	2.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	8	2.57
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	8	2.57
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	8	2.57
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	8	2.57
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	8	2.57
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	8	2.57
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	8	2.57
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	8	2.57
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	8	2.57
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	8	2.57
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	8	2.57
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	8	2.57
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	8	2.57
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	8	2.57
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	8	2.57
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	8	2.57
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	8	2.57
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	8	2.57
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	8	2.57
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	8	2.57
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	10	2.56
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	10	2.56
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	10	2.56
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	10	2.56
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	10	2.56
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	10	2.56
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	10	2.56
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	10	2.56
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	10	2.56
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	11	2.56
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	11	2.56
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	11	2.56
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	11	2.56
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	11	2.56
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	11	2.56
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	11	2.56
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	11	2.56
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	11	2.56
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	10	2.56
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	10	2.56
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	10	2.56
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	10	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	10	2.56
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	10	2.56
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	10	2.56
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	10	2.56
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	10	2.56
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	11	2.56
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	11	2.56
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	11	2.56
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	11	2.56
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	11	2.56
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	11	2.56
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	11	2.56
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	11	2.56
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	11	2.56
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	10	2.56
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	10	2.56
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	10	2.56
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	10	2.56
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	10	2.56
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	10	2.56
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	10	2.56
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	10	2.56
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	10	2.56
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	11	2.56
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	11	2.56
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	11	2.56
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	11	2.56
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	11	2.56
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	11	2.56
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	11	2.56
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	11	2.56
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	11	2.56
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	3	2.56
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	3	2.56
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	3	2.56
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	3	2.56
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	3	2.56
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	3	2.56
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	3	2.56
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	3	2.56
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	3	2.56
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	7	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	7	2.56
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	7	2.56
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	7	2.56
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	7	2.56
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	7	2.56
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	7	2.56
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	7	2.56
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	7	2.56
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	7	2.56
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	7	2.56
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	7	2.56
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	7	2.56
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	7	2.56
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	7	2.56
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	7	2.56
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	7	2.56
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	7	2.56
(1,75)	1:710:C:GLN:HE21	1:707:C:ARG:HE	8	2.55
(1,75)	1:710:C:GLN:HE22	1:707:C:ARG:HE	8	2.55
(1,74)	1:710:C:GLN:HE21	1:707:C:ARG:HE	8	2.55
(1,74)	1:710:C:GLN:HE22	1:707:C:ARG:HE	8	2.55
(1,73)	1:710:C:GLN:HE21	1:707:C:ARG:HE	8	2.55
(1,73)	1:710:C:GLN:HE22	1:707:C:ARG:HE	8	2.55
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	9	2.55
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	9	2.55
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	9	2.55
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	9	2.55
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	9	2.55
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	9	2.55
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	9	2.55
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	9	2.55
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	9	2.55
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	1	2.54
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	1	2.54
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	1	2.54
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	1	2.54
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	1	2.54
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	1	2.54
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	1	2.54
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	1	2.54
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	1	2.54
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	1	2.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	1	2.54
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	1	2.54
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	1	2.54
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	1	2.54
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	1	2.54
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	1	2.54
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	1	2.54
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	1	2.54
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	1	2.54
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	1	2.54
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	1	2.54
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	1	2.54
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	1	2.54
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	1	2.54
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	1	2.54
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	1	2.54
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	1	2.54
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	15	2.54
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	15	2.54
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	15	2.54
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	15	2.54
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	15	2.54
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	15	2.54
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	15	2.54
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	15	2.54
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	15	2.54
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	6	2.51
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	6	2.51
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	6	2.51
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	6	2.51
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	6	2.51
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	6	2.51
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	6	2.51
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	6	2.51
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	6	2.51
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	9	2.5
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	9	2.5
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	9	2.5
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	9	2.5
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	9	2.5
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	9	2.5
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	9	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	9	2.5
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	9	2.5
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	9	2.5
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	9	2.5
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	9	2.5
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	9	2.5
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	9	2.5
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	9	2.5
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	9	2.5
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	9	2.5
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	9	2.5
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	9	2.5
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	9	2.5
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	9	2.5
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	9	2.5
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	9	2.5
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	9	2.5
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	9	2.5
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	9	2.5
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	9	2.5
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	13	2.49
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	13	2.49
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	13	2.49
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	13	2.49
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	13	2.49
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	13	2.49
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	13	2.49
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	13	2.49
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	13	2.49
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	13	2.49
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	13	2.49
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	13	2.49
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	13	2.49
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	13	2.49
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	13	2.49
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	13	2.49
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	13	2.49
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	13	2.49
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	13	2.49
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	13	2.49
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	13	2.49
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	13	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	13	2.49
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	13	2.49
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	13	2.49
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	13	2.49
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	13	2.49
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	7	2.49
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	7	2.49
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	7	2.49
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	7	2.49
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	7	2.49
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	7	2.49
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	7	2.49
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	7	2.49
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	7	2.49
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	15	2.49
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	15	2.49
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	15	2.49
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	15	2.49
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	15	2.49
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	15	2.49
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	15	2.49
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	15	2.49
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	15	2.49
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	15	2.49
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	15	2.49
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	15	2.49
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	15	2.49
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	15	2.49
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	15	2.49
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	15	2.49
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	15	2.49
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	15	2.49
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	4	2.46
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	4	2.46
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	4	2.46
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	4	2.46
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	4	2.46
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	4	2.46
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	4	2.46
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	4	2.46
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	4	2.46
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	5	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	5	2.41
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	5	2.41
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	5	2.41
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	5	2.41
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	5	2.41
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	5	2.41
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	5	2.41
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	5	2.41
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	6	2.4
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	6	2.4
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	6	2.4
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	6	2.4
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	6	2.4
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	6	2.4
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	6	2.4
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	6	2.4
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	6	2.4
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	6	2.4
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	6	2.4
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	6	2.4
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	6	2.4
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	6	2.4
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	6	2.4
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	6	2.4
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	6	2.4
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	6	2.4
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	6	2.4
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	6	2.4
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	6	2.4
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	6	2.4
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	6	2.4
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	6	2.4
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	6	2.4
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	6	2.4
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	6	2.4
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	12	2.39
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	12	2.39
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	12	2.39
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	12	2.39
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	12	2.39
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	12	2.39
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	3	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	3	2.38
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	3	2.38
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	3	2.38
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	3	2.38
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	3	2.38
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	3	2.38
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	3	2.38
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	3	2.38
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	3	2.38
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	3	2.38
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	3	2.38
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	3	2.38
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	3	2.38
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	3	2.38
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	3	2.38
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	3	2.38
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	3	2.38
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	3	2.38
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	3	2.38
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	3	2.38
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	3	2.38
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	3	2.38
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	3	2.38
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	3	2.38
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	3	2.38
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	3	2.38
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	7	2.37
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	7	2.37
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	7	2.37
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	7	2.37
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	7	2.37
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	7	2.37
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	2	2.36
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	2	2.36
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	2	2.36
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	2	2.36
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	2	2.36
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	2	2.36
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	2	2.36
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	2	2.36
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	2	2.36
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	5	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	5	2.35
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	5	2.35
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	5	2.35
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	5	2.35
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	5	2.35
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	5	2.35
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	5	2.35
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	5	2.35
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	5	2.35
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	5	2.35
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	5	2.35
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	5	2.35
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	5	2.35
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	5	2.35
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	5	2.35
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	5	2.35
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	5	2.35
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	3	2.33
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	3	2.33
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	3	2.33
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	10	2.33
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	10	2.33
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	10	2.33
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	3	2.33
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	3	2.33
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	3	2.33
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	10	2.33
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	10	2.33
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	10	2.33
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	3	2.33
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	3	2.33
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	3	2.33
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	10	2.33
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	10	2.33
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	10	2.33
(1,75)	1:710:C:GLN:HE21	1:707:C:ARG:HE	2	2.28
(1,75)	1:710:C:GLN:HE22	1:707:C:ARG:HE	2	2.28
(1,74)	1:710:C:GLN:HE21	1:707:C:ARG:HE	2	2.28
(1,74)	1:710:C:GLN:HE22	1:707:C:ARG:HE	2	2.28
(1,73)	1:710:C:GLN:HE21	1:707:C:ARG:HE	2	2.28
(1,73)	1:710:C:GLN:HE22	1:707:C:ARG:HE	2	2.28
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	7	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	7	2.25
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	7	2.25
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	7	2.25
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	7	2.25
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	7	2.25
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	7	2.25
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	7	2.25
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	7	2.25
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	6	2.24
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	6	2.24
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	6	2.24
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	6	2.24
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	6	2.24
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	6	2.24
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	6	2.24
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	6	2.24
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	6	2.24
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	15	2.22
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	15	2.22
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	15	2.22
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	15	2.22
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	15	2.22
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	15	2.22
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	15	2.22
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	15	2.22
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	15	2.22
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	13	2.21
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	13	2.21
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	13	2.21
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	13	2.21
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	13	2.21
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	13	2.21
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	13	2.21
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	13	2.21
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	13	2.21
(1,75)	1:710:C:GLN:HE21	1:707:C:ARG:HE	6	2.2
(1,75)	1:710:C:GLN:HE22	1:707:C:ARG:HE	6	2.2
(1,74)	1:710:C:GLN:HE21	1:707:C:ARG:HE	6	2.2
(1,74)	1:710:C:GLN:HE22	1:707:C:ARG:HE	6	2.2
(1,73)	1:710:C:GLN:HE21	1:707:C:ARG:HE	6	2.2
(1,73)	1:710:C:GLN:HE22	1:707:C:ARG:HE	6	2.2
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	9	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	9	2.2
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	9	2.2
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	9	2.2
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	9	2.2
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	9	2.2
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	5	2.17
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	5	2.17
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	5	2.17
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	5	2.17
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	5	2.17
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	5	2.17
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	5	2.17
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	5	2.17
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	5	2.17
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	1	2.16
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	1	2.16
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	2	2.16
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	2	2.16
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	1	2.16
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	1	2.16
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	2	2.16
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	2	2.16
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	1	2.16
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	1	2.16
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	2	2.16
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	2	2.16
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	12	2.16
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	12	2.16
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	12	2.16
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	12	2.16
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	12	2.16
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	12	2.16
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	12	2.16
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	12	2.16
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	12	2.16
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	11	2.15
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	11	2.15
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	11	2.15
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	11	2.15
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	11	2.15
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	11	2.15
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	11	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	11	2.15
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	11	2.15
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	12	2.14
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	12	2.14
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	12	2.14
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	12	2.14
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	12	2.14
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	12	2.14
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	12	2.14
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	12	2.14
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	12	2.14
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	12	2.14
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	12	2.14
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	12	2.14
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	12	2.14
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	12	2.14
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	12	2.14
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	12	2.14
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	12	2.14
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	12	2.14
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	4	2.13
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	4	2.13
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	4	2.13
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	4	2.13
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	4	2.13
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	4	2.13
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	4	2.13
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	4	2.13
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	4	2.13
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	8	2.1
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	8	2.1
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	8	2.1
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	8	2.1
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	8	2.1
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	8	2.1
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	1	2.1
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	1	2.1
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	1	2.1
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	1	2.1
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	1	2.1
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	1	2.1
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	1	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	1	2.1
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	1	2.1
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	14	2.1
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	14	2.1
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	14	2.1
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	14	2.1
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	14	2.1
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	14	2.1
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	14	2.1
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	14	2.1
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	14	2.1
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	8	2.09
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	8	2.09
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	8	2.09
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	8	2.09
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	8	2.09
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	8	2.09
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	8	2.09
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	8	2.09
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	8	2.09
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	11	2.08
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	11	2.08
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	11	2.08
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	11	2.08
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	11	2.08
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	11	2.08
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	14	2.06
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	14	2.06
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	14	2.06
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	14	2.06
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	14	2.06
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	14	2.06
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	3	2.05
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	3	2.05
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	3	2.05
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	3	2.05
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	3	2.05
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	3	2.05
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	9	2.05
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	9	2.05
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	9	2.05
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	9	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	9	2.05
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	9	2.05
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	9	2.05
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	9	2.05
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	9	2.05
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	11	2.05
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	11	2.05
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	11	2.05
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	11	2.05
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	11	2.05
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	11	2.05
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	11	2.05
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	11	2.05
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	11	2.05
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	11	2.05
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	11	2.05
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	11	2.05
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	11	2.05
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	11	2.05
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	11	2.05
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	11	2.05
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	11	2.05
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	11	2.05
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	5	2.03
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	5	2.03
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	5	2.03
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	5	2.03
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	5	2.03
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	5	2.03
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	15	2.01
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	15	2.01
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	15	2.01
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	15	2.01
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	15	2.01
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	15	2.01
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	13	2.0
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	13	2.0
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	13	2.0
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	13	2.0
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	13	2.0
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	13	2.0
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	14	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	14	1.97
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	14	1.97
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	14	1.97
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	14	1.97
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	14	1.97
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	14	1.97
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	14	1.97
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	14	1.97
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	14	1.97
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	14	1.97
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	14	1.97
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	14	1.97
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	14	1.97
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	14	1.97
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	14	1.97
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	14	1.97
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	14	1.97
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	6	1.96
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	6	1.96
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	6	1.96
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	6	1.96
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	6	1.96
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	6	1.96
(1,75)	1:710:C:GLN:HE21	1:707:C:ARG:HE	4	1.92
(1,75)	1:710:C:GLN:HE22	1:707:C:ARG:HE	4	1.92
(1,74)	1:710:C:GLN:HE21	1:707:C:ARG:HE	4	1.92
(1,74)	1:710:C:GLN:HE22	1:707:C:ARG:HE	4	1.92
(1,73)	1:710:C:GLN:HE21	1:707:C:ARG:HE	4	1.92
(1,73)	1:710:C:GLN:HE22	1:707:C:ARG:HE	4	1.92
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	4	1.92
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	4	1.92
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	4	1.92
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	4	1.92
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	4	1.92
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	4	1.92
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	8	1.91
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	8	1.91
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	8	1.91
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	8	1.91
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	8	1.91
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	8	1.91
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	8	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	8	1.91
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	8	1.91
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	8	1.91
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	8	1.91
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	8	1.91
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	8	1.91
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	8	1.91
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	8	1.91
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	8	1.91
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	8	1.91
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	8	1.91
(1,75)	1:710:C:GLN:HE21	1:707:C:ARG:HE	3	1.9
(1,75)	1:710:C:GLN:HE22	1:707:C:ARG:HE	3	1.9
(1,74)	1:710:C:GLN:HE21	1:707:C:ARG:HE	3	1.9
(1,74)	1:710:C:GLN:HE22	1:707:C:ARG:HE	3	1.9
(1,73)	1:710:C:GLN:HE21	1:707:C:ARG:HE	3	1.9
(1,73)	1:710:C:GLN:HE22	1:707:C:ARG:HE	3	1.9
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	4	1.87
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	4	1.87
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	4	1.87
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	4	1.87
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	4	1.87
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	4	1.87
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	4	1.87
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	4	1.87
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	4	1.87
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	4	1.87
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	4	1.87
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	4	1.87
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	4	1.87
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	4	1.87
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	4	1.87
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	4	1.87
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	4	1.87
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	4	1.87
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	2	1.86
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	2	1.86
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	2	1.86
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	2	1.86
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	2	1.86
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	2	1.86
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	2	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	2	1.86
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	2	1.86
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	14	1.81
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	14	1.81
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	14	1.81
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	14	1.81
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	14	1.81
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	14	1.81
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	14	1.81
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	14	1.81
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	14	1.81
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	12	1.8
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	12	1.8
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	12	1.8
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	12	1.8
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	12	1.8
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	12	1.8
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	12	1.8
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	12	1.8
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	12	1.8
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	7	1.75
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	7	1.75
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	7	1.75
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	7	1.75
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	7	1.75
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	7	1.75
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	7	1.75
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	7	1.75
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	7	1.75
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	10	1.75
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	10	1.75
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	10	1.75
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	10	1.75
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	10	1.75
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	10	1.75
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	10	1.75
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	10	1.75
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	10	1.75
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	13	1.74
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	13	1.74
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	13	1.74
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	13	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	13	1.74
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	13	1.74
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	13	1.74
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	13	1.74
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	13	1.74
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	13	1.73
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	13	1.73
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	13	1.73
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	13	1.73
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	13	1.73
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	13	1.73
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	13	1.73
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	13	1.73
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	13	1.73
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	13	1.73
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	13	1.73
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	13	1.73
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	13	1.73
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	13	1.73
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	13	1.73
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	13	1.73
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	13	1.73
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	13	1.73
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	12	1.71
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	12	1.71
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	12	1.71
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	12	1.71
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	12	1.71
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	12	1.71
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	12	1.71
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	12	1.71
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	12	1.71
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	12	1.71
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	12	1.71
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	12	1.71
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	12	1.71
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	12	1.71
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	12	1.71
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	12	1.71
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	12	1.71
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	12	1.71
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	5	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	5	1.67
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	5	1.67
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	5	1.67
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	5	1.67
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	5	1.67
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	5	1.67
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	5	1.67
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	5	1.67
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	12	1.66
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	12	1.66
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	12	1.66
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	12	1.66
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	12	1.66
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	12	1.66
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	12	1.66
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	12	1.66
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	12	1.66
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	10	1.63
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	10	1.63
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	10	1.63
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	10	1.63
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	10	1.63
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	10	1.63
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	10	1.63
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	10	1.63
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	10	1.63
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	10	1.63
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	10	1.63
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	10	1.63
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	10	1.63
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	10	1.63
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	10	1.63
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	10	1.63
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	10	1.63
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	10	1.63
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	11	1.62
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	11	1.62
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	11	1.62
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	11	1.62
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	11	1.62
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	11	1.62
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	11	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	11	1.62
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	11	1.62
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	1	1.61
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	1	1.61
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	1	1.61
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	2	1.61
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	2	1.61
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	2	1.61
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	1	1.61
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	1	1.61
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	1	1.61
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	2	1.61
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	2	1.61
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	2	1.61
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	1	1.61
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	1	1.61
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	1	1.61
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	2	1.61
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	2	1.61
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	2	1.61
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	14	1.6
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	14	1.6
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	14	1.6
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	14	1.6
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	14	1.6
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	14	1.6
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	14	1.6
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	14	1.6
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	14	1.6
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	8	1.57
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	8	1.57
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	8	1.57
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	8	1.57
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	8	1.57
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	8	1.57
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	8	1.57
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	8	1.57
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	8	1.57
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	14	1.51
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	14	1.51
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	14	1.51
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	14	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	14	1.51
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	14	1.51
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	14	1.51
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	14	1.51
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	14	1.51
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	14	1.51
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	14	1.51
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	14	1.51
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	14	1.51
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	14	1.51
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	14	1.51
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	14	1.51
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	14	1.51
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	14	1.51
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	11	1.49
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	11	1.49
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	11	1.49
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	11	1.49
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	11	1.49
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	11	1.49
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	11	1.49
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	11	1.49
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	11	1.49
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	11	1.49
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	11	1.49
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	11	1.49
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	11	1.49
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	11	1.49
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	11	1.49
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	11	1.49
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	11	1.49
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	11	1.49
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	13	1.49
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	13	1.49
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	13	1.49
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	13	1.49
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	13	1.49
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	13	1.49
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	13	1.49
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	13	1.49
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	13	1.49
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	13	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	13	1.49
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	13	1.49
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	13	1.49
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	13	1.49
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	13	1.49
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	13	1.49
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	13	1.49
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	13	1.49
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	10	1.48
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	10	1.48
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	10	1.48
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	10	1.48
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	10	1.48
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	10	1.48
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	2	1.47
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	2	1.47
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	2	1.47
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	2	1.47
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	2	1.47
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	2	1.47
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	2	1.47
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	2	1.47
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	2	1.47
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	2	1.47
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	2	1.47
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	2	1.47
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	2	1.47
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	2	1.47
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	2	1.47
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	2	1.47
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	2	1.47
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	2	1.47
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	3	1.42
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	3	1.42
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	3	1.42
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	3	1.42
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	3	1.42
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	3	1.42
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	3	1.42
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	3	1.42
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	3	1.42
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	3	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	3	1.42
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	3	1.42
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	3	1.42
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	3	1.42
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	3	1.42
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	3	1.42
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	3	1.42
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	3	1.42
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	1	1.34
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	1	1.34
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	1	1.34
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	1	1.34
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	1	1.34
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	1	1.34
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	1	1.34
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	1	1.34
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	1	1.34
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	1	1.34
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	1	1.34
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	1	1.34
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	1	1.34
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	1	1.34
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	1	1.34
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	1	1.34
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	1	1.34
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	1	1.34
(1,75)	1:710:C:GLN:HE21	1:707:C:ARG:HE	7	1.32
(1,75)	1:710:C:GLN:HE22	1:707:C:ARG:HE	7	1.32
(1,74)	1:710:C:GLN:HE21	1:707:C:ARG:HE	7	1.32
(1,74)	1:710:C:GLN:HE22	1:707:C:ARG:HE	7	1.32
(1,73)	1:710:C:GLN:HE21	1:707:C:ARG:HE	7	1.32
(1,73)	1:710:C:GLN:HE22	1:707:C:ARG:HE	7	1.32
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	8	1.3
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	8	1.3
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	8	1.3
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	8	1.3
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	8	1.3
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	8	1.3
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	8	1.3
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	8	1.3
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	8	1.3
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	8	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	8	1.3
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	8	1.3
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	8	1.3
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	8	1.3
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	8	1.3
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	8	1.3
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	8	1.3
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	8	1.3
(1,428)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	13	1.25
(1,261)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	13	1.25
(1,94)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	13	1.25
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	2	1.22
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	2	1.22
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	2	1.22
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	2	1.22
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	2	1.22
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	2	1.22
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	2	1.22
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	2	1.22
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	2	1.22
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	2	1.22
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	2	1.22
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	2	1.22
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	2	1.22
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	2	1.22
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	2	1.22
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	2	1.22
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	2	1.22
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	2	1.22
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	2	1.22
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	2	1.22
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	2	1.22
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	2	1.22
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	2	1.22
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	2	1.22
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	2	1.22
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	2	1.22
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	2	1.22
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB2	12	1.21
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB3	12	1.21
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB2	12	1.21
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB3	12	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB2	12	1.21
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB3	12	1.21
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	2	1.2
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	2	1.2
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	2	1.2
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	2	1.2
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	2	1.2
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	2	1.2
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	2	1.2
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	2	1.2
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	2	1.2
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	2	1.2
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	2	1.2
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	2	1.2
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	2	1.2
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	2	1.2
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	2	1.2
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	2	1.2
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	2	1.2
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	2	1.2
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	12	1.19
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	12	1.19
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	12	1.19
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	12	1.19
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	12	1.19
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	12	1.19
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	12	1.19
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	12	1.19
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	12	1.19
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	12	1.19
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	12	1.19
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	12	1.19
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	12	1.19
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	12	1.19
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	12	1.19
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	12	1.19
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	12	1.19
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	12	1.19
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	12	1.19
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	12	1.19
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	12	1.19
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	12	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	12	1.19
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	12	1.19
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	12	1.19
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	12	1.19
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	12	1.19
(1,478)	1:697:C:ILE:HG21	1:698:C:VAL:HA	13	1.18
(1,478)	1:697:C:ILE:HG22	1:698:C:VAL:HA	13	1.18
(1,478)	1:697:C:ILE:HG23	1:698:C:VAL:HA	13	1.18
(1,311)	1:697:C:ILE:HG21	1:698:C:VAL:HA	13	1.18
(1,311)	1:697:C:ILE:HG22	1:698:C:VAL:HA	13	1.18
(1,311)	1:697:C:ILE:HG23	1:698:C:VAL:HA	13	1.18
(1,144)	1:697:C:ILE:HG21	1:698:C:VAL:HA	13	1.18
(1,144)	1:697:C:ILE:HG22	1:698:C:VAL:HA	13	1.18
(1,144)	1:697:C:ILE:HG23	1:698:C:VAL:HA	13	1.18
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	8	1.18
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	8	1.18
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	8	1.18
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	8	1.18
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	8	1.18
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	8	1.18
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	8	1.18
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	8	1.18
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	8	1.18
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	8	1.18
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	8	1.18
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	8	1.18
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	8	1.18
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	8	1.18
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	8	1.18
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	8	1.18
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	8	1.18
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	8	1.18
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	8	1.18
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	8	1.18
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	8	1.18
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	8	1.18
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	8	1.18
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	8	1.18
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	8	1.18
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	8	1.18
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	8	1.18
(1,478)	1:697:C:ILE:HG21	1:698:C:VAL:HA	7	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,478)	1:697:C:ILE:HG22	1:698:C:VAL:HA	7	1.16
(1,478)	1:697:C:ILE:HG23	1:698:C:VAL:HA	7	1.16
(1,311)	1:697:C:ILE:HG21	1:698:C:VAL:HA	7	1.16
(1,311)	1:697:C:ILE:HG22	1:698:C:VAL:HA	7	1.16
(1,311)	1:697:C:ILE:HG23	1:698:C:VAL:HA	7	1.16
(1,144)	1:697:C:ILE:HG21	1:698:C:VAL:HA	7	1.16
(1,144)	1:697:C:ILE:HG22	1:698:C:VAL:HA	7	1.16
(1,144)	1:697:C:ILE:HG23	1:698:C:VAL:HA	7	1.16
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD21	10	1.16
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD22	10	1.16
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD23	10	1.16
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD21	10	1.16
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD22	10	1.16
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD23	10	1.16
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD21	10	1.16
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD22	10	1.16
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD23	10	1.16
(1,428)	1:683:C:ARG:HE	1:680:C:TRP:HE3	6	1.15
(1,261)	1:683:C:ARG:HE	1:680:C:TRP:HE3	6	1.15
(1,94)	1:683:C:ARG:HE	1:680:C:TRP:HE3	6	1.15
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD21	5	1.15
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD22	5	1.15
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD23	5	1.15
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD21	5	1.15
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD22	5	1.15
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD23	5	1.15
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD21	5	1.15
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD22	5	1.15
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD23	5	1.15
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	7	1.13
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	7	1.13
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	7	1.13
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	7	1.13
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	7	1.13
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	7	1.13
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	7	1.13
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	7	1.13
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	7	1.13
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	7	1.13
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	7	1.13
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	7	1.13
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	7	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	7	1.13
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	7	1.13
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	7	1.13
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	7	1.13
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	7	1.13
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	7	1.13
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	7	1.13
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	7	1.13
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	7	1.13
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	7	1.13
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	7	1.13
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	7	1.13
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	7	1.13
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	7	1.13
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD21	9	1.12
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD22	9	1.12
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD23	9	1.12
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD21	9	1.12
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD22	9	1.12
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD23	9	1.12
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD21	9	1.12
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD22	9	1.12
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD23	9	1.12
(1,428)	1:683:C:ARG:HE	1:680:C:TRP:HE3	8	1.11
(1,261)	1:683:C:ARG:HE	1:680:C:TRP:HE3	8	1.11
(1,94)	1:683:C:ARG:HE	1:680:C:TRP:HE3	8	1.11
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	1	1.11
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	1	1.11
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	1	1.11
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	1	1.11
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	1	1.11
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	1	1.11
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	1	1.11
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	1	1.11
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	1	1.11
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	1	1.11
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	1	1.11
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	1	1.11
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	1	1.11
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	1	1.11
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	1	1.11
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	1	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	1	1.11
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	1	1.11
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	1	1.11
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	1	1.11
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	1	1.11
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	1	1.11
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	1	1.11
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	1	1.11
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	1	1.11
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	1	1.11
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	1	1.11
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	5	1.1
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	5	1.1
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	5	1.1
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	5	1.1
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	5	1.1
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	5	1.1
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	5	1.1
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	5	1.1
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	5	1.1
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	5	1.1
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	5	1.1
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	5	1.1
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	5	1.1
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	5	1.1
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	5	1.1
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	5	1.1
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	5	1.1
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	5	1.1
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	4	1.1
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	4	1.1
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	4	1.1
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	4	1.1
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	4	1.1
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	4	1.1
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	4	1.1
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	4	1.1
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	4	1.1
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	6	1.1
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	6	1.1
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	6	1.1
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	6	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	6	1.1
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	6	1.1
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	6	1.1
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	6	1.1
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	6	1.1
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	4	1.1
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	4	1.1
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	4	1.1
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	4	1.1
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	4	1.1
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	4	1.1
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	4	1.1
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	4	1.1
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	4	1.1
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	6	1.1
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	6	1.1
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	6	1.1
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	6	1.1
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	6	1.1
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	6	1.1
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	6	1.1
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	6	1.1
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	6	1.1
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	4	1.1
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	4	1.1
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	4	1.1
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	4	1.1
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	4	1.1
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	4	1.1
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	4	1.1
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	4	1.1
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	4	1.1
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	6	1.1
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	6	1.1
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	6	1.1
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	6	1.1
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	6	1.1
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	6	1.1
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	6	1.1
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	6	1.1
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	6	1.1
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD21	7	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD22	7	1.08
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD23	7	1.08
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD21	7	1.08
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD22	7	1.08
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD23	7	1.08
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD21	7	1.08
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD22	7	1.08
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD23	7	1.08
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	5	1.08
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	5	1.08
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	5	1.08
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	5	1.08
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	5	1.08
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	5	1.08
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	5	1.08
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	5	1.08
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	5	1.08
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	14	1.08
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	14	1.08
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	14	1.08
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	14	1.08
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	14	1.08
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	14	1.08
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	14	1.08
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	14	1.08
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	14	1.08
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	5	1.08
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	5	1.08
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	5	1.08
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	5	1.08
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	5	1.08
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	5	1.08
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	5	1.08
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	5	1.08
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	5	1.08
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	14	1.08
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	14	1.08
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	14	1.08
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	14	1.08
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	14	1.08
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	14	1.08
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	14	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	14	1.08
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	14	1.08
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	5	1.08
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	5	1.08
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	5	1.08
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	5	1.08
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	5	1.08
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	5	1.08
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	5	1.08
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	5	1.08
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	5	1.08
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	14	1.08
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	14	1.08
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	14	1.08
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	14	1.08
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	14	1.08
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	14	1.08
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	14	1.08
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	14	1.08
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	14	1.08
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD21	14	1.06
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD22	14	1.06
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD23	14	1.06
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD21	14	1.06
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD22	14	1.06
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD23	14	1.06
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD21	14	1.06
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD22	14	1.06
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD23	14	1.06
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	13	1.05
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	13	1.05
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	13	1.05
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	13	1.05
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	13	1.05
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	13	1.05
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	13	1.05
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	13	1.05
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	13	1.05
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	13	1.05
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	13	1.05
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	13	1.05
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	13	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	13	1.05
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	13	1.05
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	13	1.05
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	13	1.05
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	13	1.05
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	13	1.05
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	13	1.05
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	13	1.05
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	13	1.05
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	13	1.05
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	13	1.05
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	13	1.05
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	13	1.05
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	13	1.05
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	15	1.05
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	15	1.05
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	15	1.05
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	15	1.05
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	15	1.05
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	15	1.05
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	15	1.05
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	15	1.05
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	15	1.05
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	15	1.05
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	15	1.05
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	15	1.05
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	15	1.05
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	15	1.05
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	15	1.05
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	15	1.05
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	15	1.05
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	15	1.05
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD21	3	1.04
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD22	3	1.04
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD23	3	1.04
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD21	15	1.04
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD22	15	1.04
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD23	15	1.04
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD21	3	1.04
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD22	3	1.04
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD23	3	1.04
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD21	15	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD22	15	1.04
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD23	15	1.04
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD21	3	1.04
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD22	3	1.04
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD23	3	1.04
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD21	15	1.04
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD22	15	1.04
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD23	15	1.04
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD21	8	1.03
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD22	8	1.03
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD23	8	1.03
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD21	8	1.03
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD22	8	1.03
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD23	8	1.03
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD21	8	1.03
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD22	8	1.03
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD23	8	1.03
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	9	1.03
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	9	1.03
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	9	1.03
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	9	1.03
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	9	1.03
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	9	1.03
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	9	1.03
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	9	1.03
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	9	1.03
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	9	1.03
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	9	1.03
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	9	1.03
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	9	1.03
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	9	1.03
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	9	1.03
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	9	1.03
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	9	1.03
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	9	1.03
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	9	1.03
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	9	1.03
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	9	1.03
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	9	1.03
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	9	1.03
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	9	1.03
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	9	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	9	1.03
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	9	1.03
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD21	11	1.02
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD22	11	1.02
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD23	11	1.02
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD21	11	1.02
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD22	11	1.02
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD23	11	1.02
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD21	11	1.02
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD22	11	1.02
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD23	11	1.02
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	10	1.02
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	10	1.02
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	10	1.02
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	10	1.02
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	10	1.02
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	10	1.02
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	10	1.02
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	10	1.02
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	10	1.02
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	10	1.02
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	10	1.02
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	10	1.02
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	10	1.02
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	10	1.02
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	10	1.02
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	10	1.02
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	10	1.02
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	10	1.02
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	10	1.02
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	10	1.02
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	10	1.02
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	10	1.02
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	10	1.02
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	10	1.02
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	10	1.02
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	10	1.02
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	10	1.02
(1,459)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	13	1.01
(1,459)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	13	1.01
(1,292)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	13	1.01
(1,292)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	13	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,125)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	13	1.01
(1,125)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	13	1.01
(1,459)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	11	1.0
(1,459)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	11	1.0
(1,292)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	11	1.0
(1,292)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	11	1.0
(1,125)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	11	1.0
(1,125)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	11	1.0
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD21	4	1.0
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD22	4	1.0
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD23	4	1.0
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD21	4	1.0
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD22	4	1.0
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD23	4	1.0
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD21	4	1.0
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD22	4	1.0
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD23	4	1.0
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	3	1.0
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	3	1.0
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	3	1.0
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	3	1.0
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	3	1.0
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	3	1.0
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	3	1.0
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	3	1.0
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	3	1.0
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	3	1.0
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	3	1.0
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	3	1.0
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	3	1.0
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	3	1.0
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	3	1.0
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	3	1.0
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	3	1.0
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	3	1.0
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	3	1.0
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	3	1.0
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	3	1.0
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	3	1.0
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	3	1.0
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	3	1.0
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	3	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	3	1.0
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	3	1.0
(1,585)	1:715:C:LEU:H	1:713:C:SER:HA	14	0.99
(1,459)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	4	0.99
(1,459)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	4	0.99
(1,418)	1:715:C:LEU:H	1:713:C:SER:HA	14	0.99
(1,292)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	4	0.99
(1,292)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	4	0.99
(1,251)	1:715:C:LEU:H	1:713:C:SER:HA	14	0.99
(1,125)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	4	0.99
(1,125)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	4	0.99
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD21	2	0.99
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD22	2	0.99
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD23	2	0.99
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD21	2	0.99
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD22	2	0.99
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD23	2	0.99
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD21	2	0.99
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD22	2	0.99
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD23	2	0.99
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD21	12	0.97
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD22	12	0.97
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD23	12	0.97
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD21	12	0.97
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD22	12	0.97
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD23	12	0.97
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD21	12	0.97
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD22	12	0.97
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD23	12	0.97
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	15	0.97
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	15	0.97
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	15	0.97
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	15	0.97
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	15	0.97
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	15	0.97
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	15	0.97
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	15	0.97
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	15	0.97
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	15	0.97
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	15	0.97
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	15	0.97
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	15	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	15	0.97
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	15	0.97
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	15	0.97
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	15	0.97
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	15	0.97
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	15	0.97
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	15	0.97
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	15	0.97
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	15	0.97
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	15	0.97
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	15	0.97
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	15	0.97
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	15	0.97
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	15	0.97
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	5	0.97
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	5	0.97
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	5	0.97
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	5	0.97
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	5	0.97
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	5	0.97
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	5	0.97
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	5	0.97
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	5	0.97
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	5	0.97
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	5	0.97
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	5	0.97
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	5	0.97
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	5	0.97
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	5	0.97
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	5	0.97
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	5	0.97
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	5	0.97
(1,459)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	8	0.96
(1,459)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	8	0.96
(1,292)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	8	0.96
(1,292)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	8	0.96
(1,125)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	8	0.96
(1,125)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	8	0.96
(1,585)	1:715:C:LEU:H	1:713:C:SER:HA	12	0.95
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB2	11	0.95
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB3	11	0.95
(1,459)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	3	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,459)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	3	0.95
(1,418)	1:715:C:LEU:H	1:713:C:SER:HA	12	0.95
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB2	11	0.95
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB3	11	0.95
(1,292)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	3	0.95
(1,292)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	3	0.95
(1,251)	1:715:C:LEU:H	1:713:C:SER:HA	12	0.95
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB2	11	0.95
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB3	11	0.95
(1,125)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	3	0.95
(1,125)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	3	0.95
(1,585)	1:715:C:LEU:H	1:713:C:SER:HA	3	0.94
(1,585)	1:715:C:LEU:H	1:713:C:SER:HA	10	0.94
(1,585)	1:715:C:LEU:H	1:713:C:SER:HA	15	0.94
(1,418)	1:715:C:LEU:H	1:713:C:SER:HA	3	0.94
(1,418)	1:715:C:LEU:H	1:713:C:SER:HA	10	0.94
(1,418)	1:715:C:LEU:H	1:713:C:SER:HA	15	0.94
(1,251)	1:715:C:LEU:H	1:713:C:SER:HA	3	0.94
(1,251)	1:715:C:LEU:H	1:713:C:SER:HA	10	0.94
(1,251)	1:715:C:LEU:H	1:713:C:SER:HA	15	0.94
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	11	0.94
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	11	0.94
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	11	0.94
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	11	0.94
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	11	0.94
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	11	0.94
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	11	0.94
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	11	0.94
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	11	0.94
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	11	0.94
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	11	0.94
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	11	0.94
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	11	0.94
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	11	0.94
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	11	0.94
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	11	0.94
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	11	0.94
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	11	0.94
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	11	0.94
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	11	0.94
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	11	0.94
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	11	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	11	0.94
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	11	0.94
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	11	0.94
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	11	0.94
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	11	0.94
(1,585)	1:715:C:LEU:H	1:713:C:SER:HA	6	0.93
(1,418)	1:715:C:LEU:H	1:713:C:SER:HA	6	0.93
(1,251)	1:715:C:LEU:H	1:713:C:SER:HA	6	0.93
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	1	0.93
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	1	0.93
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	1	0.93
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	1	0.93
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	1	0.93
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	1	0.93
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	1	0.93
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	1	0.93
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	1	0.93
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	1	0.93
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	1	0.93
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	1	0.93
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	1	0.93
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	1	0.93
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	1	0.93
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	1	0.93
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	1	0.93
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	1	0.93
(1,585)	1:715:C:LEU:H	1:713:C:SER:HA	1	0.92
(1,585)	1:715:C:LEU:H	1:713:C:SER:HA	2	0.92
(1,585)	1:715:C:LEU:H	1:713:C:SER:HA	5	0.92
(1,585)	1:715:C:LEU:H	1:713:C:SER:HA	8	0.92
(1,428)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	10	0.92
(1,418)	1:715:C:LEU:H	1:713:C:SER:HA	1	0.92
(1,418)	1:715:C:LEU:H	1:713:C:SER:HA	2	0.92
(1,418)	1:715:C:LEU:H	1:713:C:SER:HA	5	0.92
(1,418)	1:715:C:LEU:H	1:713:C:SER:HA	8	0.92
(1,261)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	10	0.92
(1,251)	1:715:C:LEU:H	1:713:C:SER:HA	1	0.92
(1,251)	1:715:C:LEU:H	1:713:C:SER:HA	2	0.92
(1,251)	1:715:C:LEU:H	1:713:C:SER:HA	5	0.92
(1,251)	1:715:C:LEU:H	1:713:C:SER:HA	8	0.92
(1,94)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	10	0.92
(1,585)	1:715:C:LEU:H	1:713:C:SER:HA	4	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,585)	1:715:C:LEU:H	1:713:C:SER:HA	9	0.91
(1,585)	1:715:C:LEU:H	1:713:C:SER:HA	11	0.91
(1,428)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	4	0.91
(1,418)	1:715:C:LEU:H	1:713:C:SER:HA	4	0.91
(1,418)	1:715:C:LEU:H	1:713:C:SER:HA	9	0.91
(1,418)	1:715:C:LEU:H	1:713:C:SER:HA	11	0.91
(1,261)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	4	0.91
(1,251)	1:715:C:LEU:H	1:713:C:SER:HA	4	0.91
(1,251)	1:715:C:LEU:H	1:713:C:SER:HA	9	0.91
(1,251)	1:715:C:LEU:H	1:713:C:SER:HA	11	0.91
(1,94)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	4	0.91
(1,428)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	3	0.9
(1,261)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	3	0.9
(1,94)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	3	0.9
(1,585)	1:715:C:LEU:H	1:713:C:SER:HA	7	0.89
(1,585)	1:715:C:LEU:H	1:713:C:SER:HA	13	0.89
(1,418)	1:715:C:LEU:H	1:713:C:SER:HA	7	0.89
(1,418)	1:715:C:LEU:H	1:713:C:SER:HA	13	0.89
(1,251)	1:715:C:LEU:H	1:713:C:SER:HA	7	0.89
(1,251)	1:715:C:LEU:H	1:713:C:SER:HA	13	0.89
(1,459)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	15	0.88
(1,459)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	15	0.88
(1,292)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	15	0.88
(1,292)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	15	0.88
(1,125)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	15	0.88
(1,125)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	15	0.88
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB2	5	0.87
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB3	5	0.87
(1,428)	1:683:C:ARG:HE	1:680:C:TRP:HE3	12	0.87
(1,427)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	3	0.87
(1,427)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	3	0.87
(1,427)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	3	0.87
(1,427)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	3	0.87
(1,427)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	3	0.87
(1,427)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	3	0.87
(1,423)	1:682:C:ILE:HG21	1:679:C:LEU:H	10	0.87
(1,423)	1:682:C:ILE:HG22	1:679:C:LEU:H	10	0.87
(1,423)	1:682:C:ILE:HG23	1:679:C:LEU:H	10	0.87
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB2	5	0.87
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB3	5	0.87
(1,261)	1:683:C:ARG:HE	1:680:C:TRP:HE3	12	0.87
(1,260)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	3	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,260)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	3	0.87
(1,260)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	3	0.87
(1,260)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	3	0.87
(1,260)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	3	0.87
(1,260)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	3	0.87
(1,256)	1:682:C:ILE:HG21	1:679:C:LEU:H	10	0.87
(1,256)	1:682:C:ILE:HG22	1:679:C:LEU:H	10	0.87
(1,256)	1:682:C:ILE:HG23	1:679:C:LEU:H	10	0.87
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB2	5	0.87
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB3	5	0.87
(1,94)	1:683:C:ARG:HE	1:680:C:TRP:HE3	12	0.87
(1,93)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	3	0.87
(1,93)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	3	0.87
(1,93)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	3	0.87
(1,93)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	3	0.87
(1,93)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	3	0.87
(1,93)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	3	0.87
(1,89)	1:682:C:ILE:HG21	1:679:C:LEU:H	10	0.87
(1,89)	1:682:C:ILE:HG22	1:679:C:LEU:H	10	0.87
(1,89)	1:682:C:ILE:HG23	1:679:C:LEU:H	10	0.87
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	10	0.87
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	10	0.87
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	10	0.87
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	10	0.87
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	10	0.87
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	10	0.87
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	10	0.87
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	10	0.87
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	10	0.87
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	10	0.87
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	10	0.87
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	10	0.87
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	10	0.87
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	10	0.87
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	10	0.87
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	10	0.87
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	10	0.87
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	10	0.87
(1,459)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	6	0.86
(1,459)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	6	0.86
(1,427)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	15	0.86
(1,427)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	15	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,427)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	15	0.86
(1,427)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	15	0.86
(1,427)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	15	0.86
(1,427)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	15	0.86
(1,292)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	6	0.86
(1,292)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	6	0.86
(1,260)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	15	0.86
(1,260)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	15	0.86
(1,260)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	15	0.86
(1,260)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	15	0.86
(1,260)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	15	0.86
(1,260)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	15	0.86
(1,125)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	6	0.86
(1,125)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	6	0.86
(1,93)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	15	0.86
(1,93)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	15	0.86
(1,93)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	15	0.86
(1,93)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	15	0.86
(1,93)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	15	0.86
(1,93)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	15	0.86
(1,442)	1:684:C:ILE:HG21	1:688:C:ILE:H	9	0.83
(1,442)	1:684:C:ILE:HG22	1:688:C:ILE:H	9	0.83
(1,442)	1:684:C:ILE:HG23	1:688:C:ILE:H	9	0.83
(1,275)	1:684:C:ILE:HG21	1:688:C:ILE:H	9	0.83
(1,275)	1:684:C:ILE:HG22	1:688:C:ILE:H	9	0.83
(1,275)	1:684:C:ILE:HG23	1:688:C:ILE:H	9	0.83
(1,108)	1:684:C:ILE:HG21	1:688:C:ILE:H	9	0.83
(1,108)	1:684:C:ILE:HG22	1:688:C:ILE:H	9	0.83
(1,108)	1:684:C:ILE:HG23	1:688:C:ILE:H	9	0.83
(1,428)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	9	0.82
(1,261)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	9	0.82
(1,94)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	9	0.82
(1,428)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	7	0.81
(1,427)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	4	0.81
(1,427)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	4	0.81
(1,427)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	4	0.81
(1,427)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	4	0.81
(1,427)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	4	0.81
(1,427)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	4	0.81
(1,427)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	5	0.81
(1,427)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	5	0.81
(1,427)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	5	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,427)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	5	0.81
(1,427)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	5	0.81
(1,427)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	5	0.81
(1,261)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	7	0.81
(1,260)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	4	0.81
(1,260)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	4	0.81
(1,260)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	4	0.81
(1,260)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	4	0.81
(1,260)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	4	0.81
(1,260)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	4	0.81
(1,260)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	5	0.81
(1,260)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	5	0.81
(1,260)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	5	0.81
(1,260)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	5	0.81
(1,260)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	5	0.81
(1,260)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	5	0.81
(1,94)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	7	0.81
(1,93)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	4	0.81
(1,93)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	4	0.81
(1,93)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	4	0.81
(1,93)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	4	0.81
(1,93)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	4	0.81
(1,93)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	4	0.81
(1,93)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	5	0.81
(1,93)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	5	0.81
(1,93)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	5	0.81
(1,93)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	5	0.81
(1,93)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	5	0.81
(1,93)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	5	0.81
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB2	10	0.8
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB3	10	0.8
(1,428)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	1	0.8
(1,423)	1:682:C:ILE:HG21	1:679:C:LEU:H	14	0.8
(1,423)	1:682:C:ILE:HG22	1:679:C:LEU:H	14	0.8
(1,423)	1:682:C:ILE:HG23	1:679:C:LEU:H	14	0.8
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB2	10	0.8
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB3	10	0.8
(1,261)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	1	0.8
(1,256)	1:682:C:ILE:HG21	1:679:C:LEU:H	14	0.8
(1,256)	1:682:C:ILE:HG22	1:679:C:LEU:H	14	0.8
(1,256)	1:682:C:ILE:HG23	1:679:C:LEU:H	14	0.8
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB2	10	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB3	10	0.8
(1,94)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	1	0.8
(1,89)	1:682:C:ILE:HG21	1:679:C:LEU:H	14	0.8
(1,89)	1:682:C:ILE:HG22	1:679:C:LEU:H	14	0.8
(1,89)	1:682:C:ILE:HG23	1:679:C:LEU:H	14	0.8
(1,482)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	6	0.79
(1,482)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	6	0.79
(1,482)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	6	0.79
(1,482)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	6	0.79
(1,482)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	6	0.79
(1,482)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	6	0.79
(1,315)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	6	0.79
(1,315)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	6	0.79
(1,315)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	6	0.79
(1,315)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	6	0.79
(1,315)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	6	0.79
(1,315)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	6	0.79
(1,148)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	6	0.79
(1,148)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	6	0.79
(1,148)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	6	0.79
(1,148)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	6	0.79
(1,148)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	6	0.79
(1,148)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	6	0.79
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	3	0.79
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	3	0.79
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	3	0.79
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	3	0.79
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	3	0.79
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	3	0.79
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	3	0.79
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	3	0.79
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	3	0.79
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	3	0.79
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	3	0.79
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	3	0.79
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	3	0.79
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	3	0.79
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	3	0.79
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	3	0.79
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	3	0.79
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	3	0.79
(1,427)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	6	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,427)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	6	0.78
(1,427)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	6	0.78
(1,427)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	6	0.78
(1,427)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	6	0.78
(1,427)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	6	0.78
(1,423)	1:682:C:ILE:HG21	1:679:C:LEU:H	12	0.78
(1,423)	1:682:C:ILE:HG22	1:679:C:LEU:H	12	0.78
(1,423)	1:682:C:ILE:HG23	1:679:C:LEU:H	12	0.78
(1,260)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	6	0.78
(1,260)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	6	0.78
(1,260)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	6	0.78
(1,260)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	6	0.78
(1,260)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	6	0.78
(1,260)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	6	0.78
(1,256)	1:682:C:ILE:HG21	1:679:C:LEU:H	12	0.78
(1,256)	1:682:C:ILE:HG22	1:679:C:LEU:H	12	0.78
(1,256)	1:682:C:ILE:HG23	1:679:C:LEU:H	12	0.78
(1,93)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	6	0.78
(1,93)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	6	0.78
(1,93)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	6	0.78
(1,93)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	6	0.78
(1,93)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	6	0.78
(1,93)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	6	0.78
(1,89)	1:682:C:ILE:HG21	1:679:C:LEU:H	12	0.78
(1,89)	1:682:C:ILE:HG22	1:679:C:LEU:H	12	0.78
(1,89)	1:682:C:ILE:HG23	1:679:C:LEU:H	12	0.78
(1,578)	1:712:C:TYR:H	1:709:C:ARG:HA	1	0.77
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB2	8	0.77
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB3	8	0.77
(1,411)	1:712:C:TYR:H	1:709:C:ARG:HA	1	0.77
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB2	8	0.77
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB3	8	0.77
(1,244)	1:712:C:TYR:H	1:709:C:ARG:HA	1	0.77
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB2	8	0.77
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB3	8	0.77
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	2	0.77
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	2	0.77
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	2	0.77
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	2	0.77
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	2	0.77
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	2	0.77
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	2	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	2	0.77
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	2	0.77
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	2	0.77
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	2	0.77
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	2	0.77
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	2	0.77
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	2	0.77
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	2	0.77
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	2	0.77
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	2	0.77
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	2	0.77
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	14	0.76
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	14	0.76
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	14	0.76
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	14	0.76
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	14	0.76
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	14	0.76
(1,448)	1:687:C:ILE:HG21	1:691:C:SER:HG	9	0.76
(1,448)	1:687:C:ILE:HG22	1:691:C:SER:HG	9	0.76
(1,448)	1:687:C:ILE:HG23	1:691:C:SER:HG	9	0.76
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG21	14	0.76
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG22	14	0.76
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG23	14	0.76
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	14	0.76
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	14	0.76
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	14	0.76
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	14	0.76
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	14	0.76
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	14	0.76
(1,281)	1:687:C:ILE:HG21	1:691:C:SER:HG	9	0.76
(1,281)	1:687:C:ILE:HG22	1:691:C:SER:HG	9	0.76
(1,281)	1:687:C:ILE:HG23	1:691:C:SER:HG	9	0.76
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG21	14	0.76
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG22	14	0.76
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG23	14	0.76
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	14	0.76
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	14	0.76
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	14	0.76
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	14	0.76
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	14	0.76
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	14	0.76
(1,114)	1:687:C:ILE:HG21	1:691:C:SER:HG	9	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:687:C:ILE:HG22	1:691:C:SER:HG	9	0.76
(1,114)	1:687:C:ILE:HG23	1:691:C:SER:HG	9	0.76
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG21	14	0.76
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG22	14	0.76
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG23	14	0.76
(1,568)	1:710:C:GLN:H	1:710:C:GLN:HB3	1	0.75
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB2	7	0.75
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB3	7	0.75
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	11	0.75
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	11	0.75
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	11	0.75
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	11	0.75
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	11	0.75
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	11	0.75
(1,428)	1:683:C:ARG:HE	1:680:C:TRP:HE3	2	0.75
(1,401)	1:710:C:GLN:H	1:710:C:GLN:HB3	1	0.75
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB2	7	0.75
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB3	7	0.75
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	11	0.75
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	11	0.75
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	11	0.75
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	11	0.75
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	11	0.75
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	11	0.75
(1,261)	1:683:C:ARG:HE	1:680:C:TRP:HE3	2	0.75
(1,234)	1:710:C:GLN:H	1:710:C:GLN:HB3	1	0.75
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB2	7	0.75
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB3	7	0.75
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	11	0.75
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	11	0.75
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	11	0.75
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	11	0.75
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	11	0.75
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	11	0.75
(1,94)	1:683:C:ARG:HE	1:680:C:TRP:HE3	2	0.75
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	15	0.75
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	15	0.75
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	15	0.75
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	15	0.75
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	15	0.75
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	15	0.75
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	15	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	15	0.75
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	15	0.75
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	15	0.75
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	15	0.75
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	15	0.75
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	15	0.75
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	15	0.75
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	15	0.75
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	15	0.75
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	15	0.75
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	15	0.75
(1,447)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	5	0.74
(1,447)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	5	0.74
(1,447)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	5	0.74
(1,447)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	5	0.74
(1,447)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	5	0.74
(1,447)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	5	0.74
(1,447)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	5	0.74
(1,447)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	5	0.74
(1,447)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	5	0.74
(1,427)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	7	0.74
(1,427)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	7	0.74
(1,427)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	7	0.74
(1,427)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	7	0.74
(1,427)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	7	0.74
(1,427)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	7	0.74
(1,423)	1:682:C:ILE:HG21	1:679:C:LEU:H	8	0.74
(1,423)	1:682:C:ILE:HG22	1:679:C:LEU:H	8	0.74
(1,423)	1:682:C:ILE:HG23	1:679:C:LEU:H	8	0.74
(1,280)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	5	0.74
(1,280)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	5	0.74
(1,280)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	5	0.74
(1,280)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	5	0.74
(1,280)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	5	0.74
(1,280)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	5	0.74
(1,280)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	5	0.74
(1,280)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	5	0.74
(1,280)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	5	0.74
(1,260)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	7	0.74
(1,260)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	7	0.74
(1,260)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	7	0.74
(1,260)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	7	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,260)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	7	0.74
(1,260)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	7	0.74
(1,256)	1:682:C:ILE:HG21	1:679:C:LEU:H	8	0.74
(1,256)	1:682:C:ILE:HG22	1:679:C:LEU:H	8	0.74
(1,256)	1:682:C:ILE:HG23	1:679:C:LEU:H	8	0.74
(1,113)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	5	0.74
(1,113)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	5	0.74
(1,113)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	5	0.74
(1,113)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	5	0.74
(1,113)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	5	0.74
(1,113)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	5	0.74
(1,113)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	5	0.74
(1,113)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	5	0.74
(1,113)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	5	0.74
(1,93)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	7	0.74
(1,93)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	7	0.74
(1,93)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	7	0.74
(1,93)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	7	0.74
(1,93)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	7	0.74
(1,93)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	7	0.74
(1,89)	1:682:C:ILE:HG21	1:679:C:LEU:H	8	0.74
(1,89)	1:682:C:ILE:HG22	1:679:C:LEU:H	8	0.74
(1,89)	1:682:C:ILE:HG23	1:679:C:LEU:H	8	0.74
(1,480)	1:698:C:VAL:HG11	1:695:C:LEU:HA	15	0.73
(1,480)	1:698:C:VAL:HG12	1:695:C:LEU:HA	15	0.73
(1,480)	1:698:C:VAL:HG13	1:695:C:LEU:HA	15	0.73
(1,442)	1:684:C:ILE:HG21	1:688:C:ILE:H	11	0.73
(1,442)	1:684:C:ILE:HG22	1:688:C:ILE:H	11	0.73
(1,442)	1:684:C:ILE:HG23	1:688:C:ILE:H	11	0.73
(1,313)	1:698:C:VAL:HG11	1:695:C:LEU:HA	15	0.73
(1,313)	1:698:C:VAL:HG12	1:695:C:LEU:HA	15	0.73
(1,313)	1:698:C:VAL:HG13	1:695:C:LEU:HA	15	0.73
(1,275)	1:684:C:ILE:HG21	1:688:C:ILE:H	11	0.73
(1,275)	1:684:C:ILE:HG22	1:688:C:ILE:H	11	0.73
(1,275)	1:684:C:ILE:HG23	1:688:C:ILE:H	11	0.73
(1,146)	1:698:C:VAL:HG11	1:695:C:LEU:HA	15	0.73
(1,146)	1:698:C:VAL:HG12	1:695:C:LEU:HA	15	0.73
(1,146)	1:698:C:VAL:HG13	1:695:C:LEU:HA	15	0.73
(1,108)	1:684:C:ILE:HG21	1:688:C:ILE:H	11	0.73
(1,108)	1:684:C:ILE:HG22	1:688:C:ILE:H	11	0.73
(1,108)	1:684:C:ILE:HG23	1:688:C:ILE:H	11	0.73
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB2	13	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB3	13	0.72
(1,459)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	10	0.72
(1,459)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	10	0.72
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB2	13	0.72
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB3	13	0.72
(1,292)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	10	0.72
(1,292)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	10	0.72
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB2	13	0.72
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB3	13	0.72
(1,125)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	10	0.72
(1,125)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	10	0.72
(1,442)	1:684:C:ILE:HG21	1:688:C:ILE:H	5	0.71
(1,442)	1:684:C:ILE:HG22	1:688:C:ILE:H	5	0.71
(1,442)	1:684:C:ILE:HG23	1:688:C:ILE:H	5	0.71
(1,428)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	11	0.71
(1,428)	1:683:C:ARG:HE	1:680:C:TRP:HE3	14	0.71
(1,275)	1:684:C:ILE:HG21	1:688:C:ILE:H	5	0.71
(1,275)	1:684:C:ILE:HG22	1:688:C:ILE:H	5	0.71
(1,275)	1:684:C:ILE:HG23	1:688:C:ILE:H	5	0.71
(1,261)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	11	0.71
(1,261)	1:683:C:ARG:HE	1:680:C:TRP:HE3	14	0.71
(1,108)	1:684:C:ILE:HG21	1:688:C:ILE:H	5	0.71
(1,108)	1:684:C:ILE:HG22	1:688:C:ILE:H	5	0.71
(1,108)	1:684:C:ILE:HG23	1:688:C:ILE:H	5	0.71
(1,94)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	11	0.71
(1,94)	1:683:C:ARG:HE	1:680:C:TRP:HE3	14	0.71
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	6	0.71
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	6	0.71
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	6	0.71
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	6	0.71
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	6	0.71
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	6	0.71
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	6	0.71
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	6	0.71
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	6	0.71
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	6	0.71
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	6	0.71
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	6	0.71
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	6	0.71
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	6	0.71
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	6	0.71
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	6	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	6	0.71
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	6	0.71
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD2	9	0.7
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD3	9	0.7
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	9	0.7
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	9	0.7
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	9	0.7
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	9	0.7
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	9	0.7
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	9	0.7
(1,442)	1:684:C:ILE:HG21	1:688:C:ILE:H	7	0.7
(1,442)	1:684:C:ILE:HG22	1:688:C:ILE:H	7	0.7
(1,442)	1:684:C:ILE:HG23	1:688:C:ILE:H	7	0.7
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD2	9	0.7
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD3	9	0.7
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	9	0.7
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	9	0.7
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	9	0.7
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	9	0.7
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	9	0.7
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	9	0.7
(1,275)	1:684:C:ILE:HG21	1:688:C:ILE:H	7	0.7
(1,275)	1:684:C:ILE:HG22	1:688:C:ILE:H	7	0.7
(1,275)	1:684:C:ILE:HG23	1:688:C:ILE:H	7	0.7
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD2	9	0.7
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD3	9	0.7
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	9	0.7
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	9	0.7
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	9	0.7
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	9	0.7
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	9	0.7
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	9	0.7
(1,108)	1:684:C:ILE:HG21	1:688:C:ILE:H	7	0.7
(1,108)	1:684:C:ILE:HG22	1:688:C:ILE:H	7	0.7
(1,108)	1:684:C:ILE:HG23	1:688:C:ILE:H	7	0.7
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	11	0.7
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	11	0.7
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	11	0.7
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	11	0.7
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	11	0.7
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	11	0.7
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	11	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	11	0.7
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	11	0.7
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	11	0.7
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	11	0.7
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	11	0.7
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	11	0.7
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	11	0.7
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	11	0.7
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	11	0.7
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	11	0.7
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	11	0.7
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD2	14	0.69
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD3	14	0.69
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB2	2	0.69
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB3	2	0.69
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB2	6	0.69
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB3	6	0.69
(1,465)	1:693:C:ILE:HG21	1:694:C:GLY:H	11	0.69
(1,465)	1:693:C:ILE:HG22	1:694:C:GLY:H	11	0.69
(1,465)	1:693:C:ILE:HG23	1:694:C:GLY:H	11	0.69
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD2	14	0.69
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD3	14	0.69
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB2	2	0.69
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB3	2	0.69
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB2	6	0.69
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB3	6	0.69
(1,298)	1:693:C:ILE:HG21	1:694:C:GLY:H	11	0.69
(1,298)	1:693:C:ILE:HG22	1:694:C:GLY:H	11	0.69
(1,298)	1:693:C:ILE:HG23	1:694:C:GLY:H	11	0.69
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD2	14	0.69
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD3	14	0.69
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB2	2	0.69
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB3	2	0.69
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB2	6	0.69
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB3	6	0.69
(1,131)	1:693:C:ILE:HG21	1:694:C:GLY:H	11	0.69
(1,131)	1:693:C:ILE:HG22	1:694:C:GLY:H	11	0.69
(1,131)	1:693:C:ILE:HG23	1:694:C:GLY:H	11	0.69
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD2	5	0.68
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD3	5	0.68
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB2	7	0.68
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB3	7	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB2	7	0.68
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB3	7	0.68
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB2	7	0.68
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB3	7	0.68
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	5	0.68
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	5	0.68
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	5	0.68
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	5	0.68
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	5	0.68
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	5	0.68
(1,423)	1:682:C:ILE:HG21	1:679:C:LEU:H	4	0.68
(1,423)	1:682:C:ILE:HG22	1:679:C:LEU:H	4	0.68
(1,423)	1:682:C:ILE:HG23	1:679:C:LEU:H	4	0.68
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD2	5	0.68
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD3	5	0.68
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB2	7	0.68
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB3	7	0.68
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB2	7	0.68
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB3	7	0.68
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB2	7	0.68
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB3	7	0.68
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	5	0.68
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	5	0.68
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	5	0.68
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	5	0.68
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	5	0.68
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	5	0.68
(1,256)	1:682:C:ILE:HG21	1:679:C:LEU:H	4	0.68
(1,256)	1:682:C:ILE:HG22	1:679:C:LEU:H	4	0.68
(1,256)	1:682:C:ILE:HG23	1:679:C:LEU:H	4	0.68
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD2	5	0.68
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD3	5	0.68
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB2	7	0.68
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB3	7	0.68
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB2	7	0.68
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB3	7	0.68
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB2	7	0.68
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB3	7	0.68
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	5	0.68
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	5	0.68
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	5	0.68
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	5	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	5	0.68
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	5	0.68
(1,89)	1:682:C:ILE:HG21	1:679:C:LEU:H	4	0.68
(1,89)	1:682:C:ILE:HG22	1:679:C:LEU:H	4	0.68
(1,89)	1:682:C:ILE:HG23	1:679:C:LEU:H	4	0.68
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB2	9	0.67
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB3	9	0.67
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB2	14	0.67
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB3	14	0.67
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB2	15	0.67
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB3	15	0.67
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG21	8	0.67
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG22	8	0.67
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG23	8	0.67
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB2	9	0.67
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB3	9	0.67
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB2	14	0.67
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB3	14	0.67
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB2	15	0.67
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB3	15	0.67
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG21	8	0.67
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG22	8	0.67
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG23	8	0.67
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB2	9	0.67
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB3	9	0.67
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB2	14	0.67
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB3	14	0.67
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB2	15	0.67
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB3	15	0.67
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG21	8	0.67
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG22	8	0.67
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG23	8	0.67
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	13	0.67
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	13	0.67
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	13	0.67
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	13	0.67
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	13	0.67
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	13	0.67
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	13	0.67
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	13	0.67
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	13	0.67
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	13	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	13	0.67
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	13	0.67
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	13	0.67
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	13	0.67
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	13	0.67
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	13	0.67
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	13	0.67
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	13	0.67
(1,423)	1:682:C:ILE:HG21	1:679:C:LEU:H	6	0.66
(1,423)	1:682:C:ILE:HG22	1:679:C:LEU:H	6	0.66
(1,423)	1:682:C:ILE:HG23	1:679:C:LEU:H	6	0.66
(1,423)	1:682:C:ILE:HG21	1:679:C:LEU:H	13	0.66
(1,423)	1:682:C:ILE:HG22	1:679:C:LEU:H	13	0.66
(1,423)	1:682:C:ILE:HG23	1:679:C:LEU:H	13	0.66
(1,256)	1:682:C:ILE:HG21	1:679:C:LEU:H	6	0.66
(1,256)	1:682:C:ILE:HG22	1:679:C:LEU:H	6	0.66
(1,256)	1:682:C:ILE:HG23	1:679:C:LEU:H	6	0.66
(1,256)	1:682:C:ILE:HG21	1:679:C:LEU:H	13	0.66
(1,256)	1:682:C:ILE:HG22	1:679:C:LEU:H	13	0.66
(1,256)	1:682:C:ILE:HG23	1:679:C:LEU:H	13	0.66
(1,89)	1:682:C:ILE:HG21	1:679:C:LEU:H	6	0.66
(1,89)	1:682:C:ILE:HG22	1:679:C:LEU:H	6	0.66
(1,89)	1:682:C:ILE:HG23	1:679:C:LEU:H	6	0.66
(1,89)	1:682:C:ILE:HG21	1:679:C:LEU:H	13	0.66
(1,89)	1:682:C:ILE:HG22	1:679:C:LEU:H	13	0.66
(1,89)	1:682:C:ILE:HG23	1:679:C:LEU:H	13	0.66
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB2	1	0.64
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB3	1	0.64
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB2	1	0.64
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB3	1	0.64
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB2	1	0.64
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB3	1	0.64
(1,556)	1:709:C:ARG:H	1:707:C:ARG:H	13	0.63
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB2	3	0.63
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB3	3	0.63
(1,389)	1:709:C:ARG:H	1:707:C:ARG:H	13	0.63
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB2	3	0.63
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB3	3	0.63
(1,222)	1:709:C:ARG:H	1:707:C:ARG:H	13	0.63
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB2	3	0.63
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB3	3	0.63
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD2	12	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD3	12	0.62
(1,556)	1:709:C:ARG:H	1:707:C:ARG:H	3	0.62
(1,556)	1:709:C:ARG:H	1:707:C:ARG:H	8	0.62
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD2	11	0.62
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD3	11	0.62
(1,442)	1:684:C:ILE:HG21	1:688:C:ILE:H	6	0.62
(1,442)	1:684:C:ILE:HG22	1:688:C:ILE:H	6	0.62
(1,442)	1:684:C:ILE:HG23	1:688:C:ILE:H	6	0.62
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG21	6	0.62
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG22	6	0.62
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG23	6	0.62
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD2	12	0.62
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD3	12	0.62
(1,389)	1:709:C:ARG:H	1:707:C:ARG:H	3	0.62
(1,389)	1:709:C:ARG:H	1:707:C:ARG:H	8	0.62
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD2	11	0.62
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD3	11	0.62
(1,275)	1:684:C:ILE:HG21	1:688:C:ILE:H	6	0.62
(1,275)	1:684:C:ILE:HG22	1:688:C:ILE:H	6	0.62
(1,275)	1:684:C:ILE:HG23	1:688:C:ILE:H	6	0.62
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG21	6	0.62
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG22	6	0.62
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG23	6	0.62
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD2	12	0.62
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD3	12	0.62
(1,222)	1:709:C:ARG:H	1:707:C:ARG:H	3	0.62
(1,222)	1:709:C:ARG:H	1:707:C:ARG:H	8	0.62
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD2	11	0.62
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD3	11	0.62
(1,108)	1:684:C:ILE:HG21	1:688:C:ILE:H	6	0.62
(1,108)	1:684:C:ILE:HG22	1:688:C:ILE:H	6	0.62
(1,108)	1:684:C:ILE:HG23	1:688:C:ILE:H	6	0.62
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG21	6	0.62
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG22	6	0.62
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG23	6	0.62
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD21	1	0.62
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD22	1	0.62
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD23	1	0.62
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD21	1	0.62
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD22	1	0.62
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD23	1	0.62
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD21	1	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD22	1	0.62
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD23	1	0.62
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD2	4	0.61
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD3	4	0.61
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD2	15	0.61
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD3	15	0.61
(1,556)	1:709:C:ARG:H	1:707:C:ARG:H	10	0.61
(1,556)	1:709:C:ARG:H	1:707:C:ARG:H	11	0.61
(1,459)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	1	0.61
(1,459)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	1	0.61
(1,428)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	5	0.61
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD2	4	0.61
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD3	4	0.61
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD2	15	0.61
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD3	15	0.61
(1,389)	1:709:C:ARG:H	1:707:C:ARG:H	10	0.61
(1,389)	1:709:C:ARG:H	1:707:C:ARG:H	11	0.61
(1,292)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	1	0.61
(1,292)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	1	0.61
(1,261)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	5	0.61
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD2	4	0.61
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD3	4	0.61
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD2	15	0.61
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD3	15	0.61
(1,222)	1:709:C:ARG:H	1:707:C:ARG:H	10	0.61
(1,222)	1:709:C:ARG:H	1:707:C:ARG:H	11	0.61
(1,125)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	1	0.61
(1,125)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	1	0.61
(1,94)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	5	0.61
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD2	6	0.6
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD3	6	0.6
(1,422)	1:681:C:TYR:H	1:680:C:TRP:HE3	7	0.6
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD2	6	0.6
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD3	6	0.6
(1,255)	1:681:C:TYR:H	1:680:C:TRP:HE3	7	0.6
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD2	6	0.6
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD3	6	0.6
(1,88)	1:681:C:TYR:H	1:680:C:TRP:HE3	7	0.6
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	8	0.6
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	8	0.6
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	8	0.6
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	8	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	8	0.6
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	8	0.6
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	8	0.6
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	8	0.6
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	8	0.6
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	8	0.6
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	8	0.6
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	8	0.6
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	8	0.6
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	8	0.6
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	8	0.6
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	8	0.6
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	8	0.6
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	8	0.6
(1,556)	1:709:C:ARG:H	1:707:C:ARG:H	6	0.59
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD2	2	0.59
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD3	2	0.59
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD2	13	0.59
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD3	13	0.59
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	12	0.59
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	12	0.59
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	12	0.59
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	12	0.59
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	12	0.59
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	12	0.59
(1,435)	1:684:C:ILE:HG21	1:681:C:TYR:HA	14	0.59
(1,435)	1:684:C:ILE:HG22	1:681:C:TYR:HA	14	0.59
(1,435)	1:684:C:ILE:HG23	1:681:C:TYR:HA	14	0.59
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	15	0.59
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	15	0.59
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	15	0.59
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	15	0.59
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	15	0.59
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	15	0.59
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG21	13	0.59
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG22	13	0.59
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG23	13	0.59
(1,423)	1:682:C:ILE:HG21	1:679:C:LEU:H	2	0.59
(1,423)	1:682:C:ILE:HG22	1:679:C:LEU:H	2	0.59
(1,423)	1:682:C:ILE:HG23	1:679:C:LEU:H	2	0.59
(1,389)	1:709:C:ARG:H	1:707:C:ARG:H	6	0.59
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD2	2	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD3	2	0.59
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD2	13	0.59
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD3	13	0.59
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	12	0.59
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	12	0.59
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	12	0.59
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	12	0.59
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	12	0.59
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	12	0.59
(1,268)	1:684:C:ILE:HG21	1:681:C:TYR:HA	14	0.59
(1,268)	1:684:C:ILE:HG22	1:681:C:TYR:HA	14	0.59
(1,268)	1:684:C:ILE:HG23	1:681:C:TYR:HA	14	0.59
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	15	0.59
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	15	0.59
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	15	0.59
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	15	0.59
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	15	0.59
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	15	0.59
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG21	13	0.59
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG22	13	0.59
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG23	13	0.59
(1,256)	1:682:C:ILE:HG21	1:679:C:LEU:H	2	0.59
(1,256)	1:682:C:ILE:HG22	1:679:C:LEU:H	2	0.59
(1,256)	1:682:C:ILE:HG23	1:679:C:LEU:H	2	0.59
(1,222)	1:709:C:ARG:H	1:707:C:ARG:H	6	0.59
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD2	2	0.59
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD3	2	0.59
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD2	13	0.59
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD3	13	0.59
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	12	0.59
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	12	0.59
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	12	0.59
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	12	0.59
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	12	0.59
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	12	0.59
(1,101)	1:684:C:ILE:HG21	1:681:C:TYR:HA	14	0.59
(1,101)	1:684:C:ILE:HG22	1:681:C:TYR:HA	14	0.59
(1,101)	1:684:C:ILE:HG23	1:681:C:TYR:HA	14	0.59
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	15	0.59
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	15	0.59
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	15	0.59
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	15	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	15	0.59
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	15	0.59
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG21	13	0.59
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG22	13	0.59
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG23	13	0.59
(1,89)	1:682:C:ILE:HG21	1:679:C:LEU:H	2	0.59
(1,89)	1:682:C:ILE:HG22	1:679:C:LEU:H	2	0.59
(1,89)	1:682:C:ILE:HG23	1:679:C:LEU:H	2	0.59
(1,556)	1:709:C:ARG:H	1:707:C:ARG:H	1	0.58
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	8	0.58
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	8	0.58
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	8	0.58
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	8	0.58
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	8	0.58
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	8	0.58
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG21	2	0.58
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG22	2	0.58
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG23	2	0.58
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG21	15	0.58
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG22	15	0.58
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG23	15	0.58
(1,427)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	8	0.58
(1,427)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	8	0.58
(1,427)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	8	0.58
(1,427)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	8	0.58
(1,427)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	8	0.58
(1,427)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	8	0.58
(1,423)	1:682:C:ILE:HG21	1:679:C:LEU:H	11	0.58
(1,423)	1:682:C:ILE:HG22	1:679:C:LEU:H	11	0.58
(1,423)	1:682:C:ILE:HG23	1:679:C:LEU:H	11	0.58
(1,420)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	8	0.58
(1,420)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	8	0.58
(1,420)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	8	0.58
(1,420)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	8	0.58
(1,420)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	8	0.58
(1,420)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	8	0.58
(1,389)	1:709:C:ARG:H	1:707:C:ARG:H	1	0.58
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	8	0.58
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	8	0.58
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	8	0.58
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	8	0.58
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	8	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	8	0.58
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG21	2	0.58
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG22	2	0.58
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG23	2	0.58
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG21	15	0.58
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG22	15	0.58
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG23	15	0.58
(1,260)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	8	0.58
(1,260)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	8	0.58
(1,260)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	8	0.58
(1,260)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	8	0.58
(1,260)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	8	0.58
(1,260)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	8	0.58
(1,256)	1:682:C:ILE:HG21	1:679:C:LEU:H	11	0.58
(1,256)	1:682:C:ILE:HG22	1:679:C:LEU:H	11	0.58
(1,256)	1:682:C:ILE:HG23	1:679:C:LEU:H	11	0.58
(1,253)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	8	0.58
(1,253)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	8	0.58
(1,253)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	8	0.58
(1,253)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	8	0.58
(1,253)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	8	0.58
(1,253)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	8	0.58
(1,222)	1:709:C:ARG:H	1:707:C:ARG:H	1	0.58
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	8	0.58
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	8	0.58
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	8	0.58
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	8	0.58
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	8	0.58
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	8	0.58
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG21	2	0.58
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG22	2	0.58
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG23	2	0.58
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG21	15	0.58
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG22	15	0.58
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG23	15	0.58
(1,93)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	8	0.58
(1,93)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	8	0.58
(1,93)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	8	0.58
(1,93)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	8	0.58
(1,93)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	8	0.58
(1,93)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	8	0.58
(1,89)	1:682:C:ILE:HG21	1:679:C:LEU:H	11	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,89)	1:682:C:ILE:HG22	1:679:C:LEU:H	11	0.58
(1,89)	1:682:C:ILE:HG23	1:679:C:LEU:H	11	0.58
(1,86)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	8	0.58
(1,86)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	8	0.58
(1,86)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	8	0.58
(1,86)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	8	0.58
(1,86)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	8	0.58
(1,86)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	8	0.58
(1,422)	1:681:C:TYR:H	1:680:C:TRP:HE3	5	0.57
(1,422)	1:681:C:TYR:H	1:680:C:TRP:HE3	15	0.57
(1,255)	1:681:C:TYR:H	1:680:C:TRP:HE3	5	0.57
(1,255)	1:681:C:TYR:H	1:680:C:TRP:HE3	15	0.57
(1,88)	1:681:C:TYR:H	1:680:C:TRP:HE3	5	0.57
(1,88)	1:681:C:TYR:H	1:680:C:TRP:HE3	15	0.57
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD21	6	0.57
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD22	6	0.57
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD23	6	0.57
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD21	6	0.57
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD22	6	0.57
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD23	6	0.57
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD21	6	0.57
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD22	6	0.57
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD23	6	0.57
(1,568)	1:710:C:GLN:H	1:710:C:GLN:HB3	9	0.56
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD2	10	0.56
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD3	10	0.56
(1,465)	1:693:C:ILE:HG21	1:694:C:GLY:H	8	0.56
(1,465)	1:693:C:ILE:HG22	1:694:C:GLY:H	8	0.56
(1,465)	1:693:C:ILE:HG23	1:694:C:GLY:H	8	0.56
(1,442)	1:684:C:ILE:HG21	1:688:C:ILE:H	13	0.56
(1,442)	1:684:C:ILE:HG22	1:688:C:ILE:H	13	0.56
(1,442)	1:684:C:ILE:HG23	1:688:C:ILE:H	13	0.56
(1,401)	1:710:C:GLN:H	1:710:C:GLN:HB3	9	0.56
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD2	10	0.56
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD3	10	0.56
(1,298)	1:693:C:ILE:HG21	1:694:C:GLY:H	8	0.56
(1,298)	1:693:C:ILE:HG22	1:694:C:GLY:H	8	0.56
(1,298)	1:693:C:ILE:HG23	1:694:C:GLY:H	8	0.56
(1,275)	1:684:C:ILE:HG21	1:688:C:ILE:H	13	0.56
(1,275)	1:684:C:ILE:HG22	1:688:C:ILE:H	13	0.56
(1,275)	1:684:C:ILE:HG23	1:688:C:ILE:H	13	0.56
(1,234)	1:710:C:GLN:H	1:710:C:GLN:HB3	9	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD2	10	0.56
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD3	10	0.56
(1,131)	1:693:C:ILE:HG21	1:694:C:GLY:H	8	0.56
(1,131)	1:693:C:ILE:HG22	1:694:C:GLY:H	8	0.56
(1,131)	1:693:C:ILE:HG23	1:694:C:GLY:H	8	0.56
(1,108)	1:684:C:ILE:HG21	1:688:C:ILE:H	13	0.56
(1,108)	1:684:C:ILE:HG22	1:688:C:ILE:H	13	0.56
(1,108)	1:684:C:ILE:HG23	1:688:C:ILE:H	13	0.56
(1,578)	1:712:C:TYR:H	1:709:C:ARG:HA	7	0.55
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	1	0.55
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	1	0.55
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	1	0.55
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	1	0.55
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	1	0.55
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	1	0.55
(1,442)	1:684:C:ILE:HG21	1:688:C:ILE:H	15	0.55
(1,442)	1:684:C:ILE:HG22	1:688:C:ILE:H	15	0.55
(1,442)	1:684:C:ILE:HG23	1:688:C:ILE:H	15	0.55
(1,427)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	1	0.55
(1,427)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	1	0.55
(1,427)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	1	0.55
(1,427)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	1	0.55
(1,427)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	1	0.55
(1,427)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	1	0.55
(1,411)	1:712:C:TYR:H	1:709:C:ARG:HA	7	0.55
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	1	0.55
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	1	0.55
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	1	0.55
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	1	0.55
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	1	0.55
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	1	0.55
(1,275)	1:684:C:ILE:HG21	1:688:C:ILE:H	15	0.55
(1,275)	1:684:C:ILE:HG22	1:688:C:ILE:H	15	0.55
(1,275)	1:684:C:ILE:HG23	1:688:C:ILE:H	15	0.55
(1,260)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	1	0.55
(1,260)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	1	0.55
(1,260)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	1	0.55
(1,260)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	1	0.55
(1,260)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	1	0.55
(1,260)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	1	0.55
(1,244)	1:712:C:TYR:H	1:709:C:ARG:HA	7	0.55
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	1	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	1	0.55
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	1	0.55
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	1	0.55
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	1	0.55
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	1	0.55
(1,108)	1:684:C:ILE:HG21	1:688:C:ILE:H	15	0.55
(1,108)	1:684:C:ILE:HG22	1:688:C:ILE:H	15	0.55
(1,108)	1:684:C:ILE:HG23	1:688:C:ILE:H	15	0.55
(1,93)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	1	0.55
(1,93)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	1	0.55
(1,93)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	1	0.55
(1,93)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	1	0.55
(1,93)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	1	0.55
(1,93)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	1	0.55
(1,75)	1:710:C:GLN:HE21	1:707:C:ARG:HE	15	0.55
(1,75)	1:710:C:GLN:HE22	1:707:C:ARG:HE	15	0.55
(1,74)	1:710:C:GLN:HE21	1:707:C:ARG:HE	15	0.55
(1,74)	1:710:C:GLN:HE22	1:707:C:ARG:HE	15	0.55
(1,73)	1:710:C:GLN:HE21	1:707:C:ARG:HE	15	0.55
(1,73)	1:710:C:GLN:HE22	1:707:C:ARG:HE	15	0.55
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	9	0.55
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	9	0.55
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	9	0.55
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	9	0.55
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	9	0.55
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	9	0.55
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	9	0.55
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	9	0.55
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	9	0.55
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	9	0.55
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	9	0.55
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	9	0.55
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	9	0.55
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	9	0.55
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	9	0.55
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	9	0.55
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	9	0.55
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	9	0.55
(1,578)	1:712:C:TYR:H	1:709:C:ARG:HA	6	0.54
(1,568)	1:710:C:GLN:H	1:710:C:GLN:HB3	2	0.54
(1,568)	1:710:C:GLN:H	1:710:C:GLN:HB3	15	0.54
(1,442)	1:684:C:ILE:HG21	1:688:C:ILE:H	10	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,442)	1:684:C:ILE:HG22	1:688:C:ILE:H	10	0.54
(1,442)	1:684:C:ILE:HG23	1:688:C:ILE:H	10	0.54
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	14	0.54
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	14	0.54
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	14	0.54
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	14	0.54
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	14	0.54
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	14	0.54
(1,427)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	2	0.54
(1,427)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	2	0.54
(1,427)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	2	0.54
(1,427)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	2	0.54
(1,427)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	2	0.54
(1,427)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	2	0.54
(1,411)	1:712:C:TYR:H	1:709:C:ARG:HA	6	0.54
(1,401)	1:710:C:GLN:H	1:710:C:GLN:HB3	2	0.54
(1,401)	1:710:C:GLN:H	1:710:C:GLN:HB3	15	0.54
(1,275)	1:684:C:ILE:HG21	1:688:C:ILE:H	10	0.54
(1,275)	1:684:C:ILE:HG22	1:688:C:ILE:H	10	0.54
(1,275)	1:684:C:ILE:HG23	1:688:C:ILE:H	10	0.54
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	14	0.54
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	14	0.54
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	14	0.54
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	14	0.54
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	14	0.54
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	14	0.54
(1,260)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	2	0.54
(1,260)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	2	0.54
(1,260)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	2	0.54
(1,260)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	2	0.54
(1,260)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	2	0.54
(1,260)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	2	0.54
(1,244)	1:712:C:TYR:H	1:709:C:ARG:HA	6	0.54
(1,234)	1:710:C:GLN:H	1:710:C:GLN:HB3	2	0.54
(1,234)	1:710:C:GLN:H	1:710:C:GLN:HB3	15	0.54
(1,108)	1:684:C:ILE:HG21	1:688:C:ILE:H	10	0.54
(1,108)	1:684:C:ILE:HG22	1:688:C:ILE:H	10	0.54
(1,108)	1:684:C:ILE:HG23	1:688:C:ILE:H	10	0.54
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	14	0.54
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	14	0.54
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	14	0.54
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	14	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	14	0.54
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	14	0.54
(1,93)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	2	0.54
(1,93)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	2	0.54
(1,93)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	2	0.54
(1,93)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	2	0.54
(1,93)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	2	0.54
(1,93)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	2	0.54
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD2	9	0.53
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD3	9	0.53
(1,497)	1:701:C:VAL:HG11	1:698:C:VAL:HA	3	0.53
(1,497)	1:701:C:VAL:HG12	1:698:C:VAL:HA	3	0.53
(1,497)	1:701:C:VAL:HG13	1:698:C:VAL:HA	3	0.53
(1,465)	1:693:C:ILE:HG21	1:694:C:GLY:H	4	0.53
(1,465)	1:693:C:ILE:HG22	1:694:C:GLY:H	4	0.53
(1,465)	1:693:C:ILE:HG23	1:694:C:GLY:H	4	0.53
(1,465)	1:693:C:ILE:HG21	1:694:C:GLY:H	7	0.53
(1,465)	1:693:C:ILE:HG22	1:694:C:GLY:H	7	0.53
(1,465)	1:693:C:ILE:HG23	1:694:C:GLY:H	7	0.53
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	4	0.53
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	4	0.53
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	4	0.53
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	4	0.53
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	4	0.53
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	4	0.53
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD2	9	0.53
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD3	9	0.53
(1,330)	1:701:C:VAL:HG11	1:698:C:VAL:HA	3	0.53
(1,330)	1:701:C:VAL:HG12	1:698:C:VAL:HA	3	0.53
(1,330)	1:701:C:VAL:HG13	1:698:C:VAL:HA	3	0.53
(1,298)	1:693:C:ILE:HG21	1:694:C:GLY:H	4	0.53
(1,298)	1:693:C:ILE:HG22	1:694:C:GLY:H	4	0.53
(1,298)	1:693:C:ILE:HG23	1:694:C:GLY:H	4	0.53
(1,298)	1:693:C:ILE:HG21	1:694:C:GLY:H	7	0.53
(1,298)	1:693:C:ILE:HG22	1:694:C:GLY:H	7	0.53
(1,298)	1:693:C:ILE:HG23	1:694:C:GLY:H	7	0.53
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	4	0.53
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	4	0.53
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	4	0.53
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	4	0.53
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	4	0.53
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	4	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD2	9	0.53
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD3	9	0.53
(1,163)	1:701:C:VAL:HG11	1:698:C:VAL:HA	3	0.53
(1,163)	1:701:C:VAL:HG12	1:698:C:VAL:HA	3	0.53
(1,163)	1:701:C:VAL:HG13	1:698:C:VAL:HA	3	0.53
(1,131)	1:693:C:ILE:HG21	1:694:C:GLY:H	4	0.53
(1,131)	1:693:C:ILE:HG22	1:694:C:GLY:H	4	0.53
(1,131)	1:693:C:ILE:HG23	1:694:C:GLY:H	4	0.53
(1,131)	1:693:C:ILE:HG21	1:694:C:GLY:H	7	0.53
(1,131)	1:693:C:ILE:HG22	1:694:C:GLY:H	7	0.53
(1,131)	1:693:C:ILE:HG23	1:694:C:GLY:H	7	0.53
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	4	0.53
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	4	0.53
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	4	0.53
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	4	0.53
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	4	0.53
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	4	0.53
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD2	7	0.52
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD3	7	0.52
(1,556)	1:709:C:ARG:H	1:707:C:ARG:H	7	0.52
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	13	0.52
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	13	0.52
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	13	0.52
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	13	0.52
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	13	0.52
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	13	0.52
(1,483)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	6	0.52
(1,483)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	6	0.52
(1,483)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	6	0.52
(1,483)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	6	0.52
(1,483)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	6	0.52
(1,483)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	6	0.52
(1,447)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	6	0.52
(1,447)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	6	0.52
(1,447)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	6	0.52
(1,447)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	6	0.52
(1,447)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	6	0.52
(1,447)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	6	0.52
(1,447)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	6	0.52
(1,447)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	6	0.52
(1,447)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	6	0.52
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	2	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	2	0.52
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	2	0.52
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	2	0.52
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	2	0.52
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	2	0.52
(1,423)	1:682:C:ILE:HG21	1:679:C:LEU:H	1	0.52
(1,423)	1:682:C:ILE:HG22	1:679:C:LEU:H	1	0.52
(1,423)	1:682:C:ILE:HG23	1:679:C:LEU:H	1	0.52
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD2	7	0.52
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD3	7	0.52
(1,389)	1:709:C:ARG:H	1:707:C:ARG:H	7	0.52
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	13	0.52
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	13	0.52
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	13	0.52
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	13	0.52
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	13	0.52
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	13	0.52
(1,316)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	6	0.52
(1,316)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	6	0.52
(1,316)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	6	0.52
(1,316)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	6	0.52
(1,316)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	6	0.52
(1,316)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	6	0.52
(1,280)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	6	0.52
(1,280)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	6	0.52
(1,280)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	6	0.52
(1,280)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	6	0.52
(1,280)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	6	0.52
(1,280)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	6	0.52
(1,280)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	6	0.52
(1,280)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	6	0.52
(1,280)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	6	0.52
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	2	0.52
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	2	0.52
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	2	0.52
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	2	0.52
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	2	0.52
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	2	0.52
(1,256)	1:682:C:ILE:HG21	1:679:C:LEU:H	1	0.52
(1,256)	1:682:C:ILE:HG22	1:679:C:LEU:H	1	0.52
(1,256)	1:682:C:ILE:HG23	1:679:C:LEU:H	1	0.52
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD2	7	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD3	7	0.52
(1,222)	1:709:C:ARG:H	1:707:C:ARG:H	7	0.52
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	13	0.52
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	13	0.52
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	13	0.52
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	13	0.52
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	13	0.52
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	13	0.52
(1,149)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	6	0.52
(1,149)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	6	0.52
(1,149)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	6	0.52
(1,149)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	6	0.52
(1,149)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	6	0.52
(1,149)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	6	0.52
(1,113)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	6	0.52
(1,113)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	6	0.52
(1,113)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	6	0.52
(1,113)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	6	0.52
(1,113)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	6	0.52
(1,113)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	6	0.52
(1,113)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	6	0.52
(1,113)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	6	0.52
(1,113)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	6	0.52
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	2	0.52
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	2	0.52
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	2	0.52
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	2	0.52
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	2	0.52
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	2	0.52
(1,89)	1:682:C:ILE:HG21	1:679:C:LEU:H	1	0.52
(1,89)	1:682:C:ILE:HG22	1:679:C:LEU:H	1	0.52
(1,89)	1:682:C:ILE:HG23	1:679:C:LEU:H	1	0.52
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	12	0.52
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	12	0.52
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	12	0.52
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	12	0.52
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	12	0.52
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	12	0.52
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	12	0.52
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	12	0.52
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	12	0.52
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	12	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	12	0.52
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	12	0.52
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	12	0.52
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	12	0.52
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	12	0.52
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	12	0.52
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	12	0.52
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	12	0.52
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	6	0.52
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	6	0.52
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	6	0.52
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	6	0.52
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	6	0.52
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	6	0.52
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	6	0.52
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	6	0.52
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	6	0.52
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	6	0.52
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	6	0.52
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	6	0.52
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	6	0.52
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	6	0.52
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	6	0.52
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	6	0.52
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	6	0.52
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	6	0.52
(1,578)	1:712:C:TYR:H	1:709:C:ARG:HA	8	0.51
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD2	11	0.51
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD3	11	0.51
(1,556)	1:709:C:ARG:H	1:707:C:ARG:H	14	0.51
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	6	0.51
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	6	0.51
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	6	0.51
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	6	0.51
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	6	0.51
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	6	0.51
(1,483)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	12	0.51
(1,483)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	12	0.51
(1,483)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	12	0.51
(1,483)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	12	0.51
(1,483)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	12	0.51
(1,483)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	12	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,465)	1:693:C:ILE:HG21	1:694:C:GLY:H	1	0.51
(1,465)	1:693:C:ILE:HG22	1:694:C:GLY:H	1	0.51
(1,465)	1:693:C:ILE:HG23	1:694:C:GLY:H	1	0.51
(1,447)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	14	0.51
(1,447)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	14	0.51
(1,447)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	14	0.51
(1,447)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	14	0.51
(1,447)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	14	0.51
(1,447)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	14	0.51
(1,447)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	14	0.51
(1,447)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	14	0.51
(1,447)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	14	0.51
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG21	1	0.51
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG22	1	0.51
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG23	1	0.51
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG21	7	0.51
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG22	7	0.51
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG23	7	0.51
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG21	10	0.51
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG22	10	0.51
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG23	10	0.51
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	14	0.51
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	14	0.51
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	14	0.51
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	14	0.51
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	14	0.51
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	14	0.51
(1,411)	1:712:C:TYR:H	1:709:C:ARG:HA	8	0.51
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD2	11	0.51
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD3	11	0.51
(1,389)	1:709:C:ARG:H	1:707:C:ARG:H	14	0.51
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	6	0.51
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	6	0.51
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	6	0.51
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	6	0.51
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	6	0.51
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	6	0.51
(1,316)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	12	0.51
(1,316)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	12	0.51
(1,316)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	12	0.51
(1,316)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	12	0.51
(1,316)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	12	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,316)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	12	0.51
(1,298)	1:693:C:ILE:HG21	1:694:C:GLY:H	1	0.51
(1,298)	1:693:C:ILE:HG22	1:694:C:GLY:H	1	0.51
(1,298)	1:693:C:ILE:HG23	1:694:C:GLY:H	1	0.51
(1,280)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	14	0.51
(1,280)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	14	0.51
(1,280)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	14	0.51
(1,280)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	14	0.51
(1,280)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	14	0.51
(1,280)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	14	0.51
(1,280)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	14	0.51
(1,280)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	14	0.51
(1,280)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	14	0.51
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG21	1	0.51
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG22	1	0.51
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG23	1	0.51
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG21	7	0.51
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG22	7	0.51
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG23	7	0.51
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG21	10	0.51
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG22	10	0.51
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG23	10	0.51
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	14	0.51
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	14	0.51
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	14	0.51
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	14	0.51
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	14	0.51
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	14	0.51
(1,244)	1:712:C:TYR:H	1:709:C:ARG:HA	8	0.51
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD2	11	0.51
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD3	11	0.51
(1,222)	1:709:C:ARG:H	1:707:C:ARG:H	14	0.51
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	6	0.51
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	6	0.51
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	6	0.51
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	6	0.51
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	6	0.51
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	6	0.51
(1,149)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	12	0.51
(1,149)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	12	0.51
(1,149)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	12	0.51
(1,149)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	12	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	12	0.51
(1,149)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	12	0.51
(1,131)	1:693:C:ILE:HG21	1:694:C:GLY:H	1	0.51
(1,131)	1:693:C:ILE:HG22	1:694:C:GLY:H	1	0.51
(1,131)	1:693:C:ILE:HG23	1:694:C:GLY:H	1	0.51
(1,113)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	14	0.51
(1,113)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	14	0.51
(1,113)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	14	0.51
(1,113)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	14	0.51
(1,113)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	14	0.51
(1,113)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	14	0.51
(1,113)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	14	0.51
(1,113)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	14	0.51
(1,113)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	14	0.51
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG21	1	0.51
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG22	1	0.51
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG23	1	0.51
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG21	7	0.51
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG22	7	0.51
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG23	7	0.51
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG21	10	0.51
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG22	10	0.51
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG23	10	0.51
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	14	0.51
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	14	0.51
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	14	0.51
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	14	0.51
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	14	0.51
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	14	0.51
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD2	1	0.5
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD3	1	0.5
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	11	0.5
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	11	0.5
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	11	0.5
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	11	0.5
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	11	0.5
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	11	0.5
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG21	12	0.5
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG22	12	0.5
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG23	12	0.5
(1,423)	1:682:C:ILE:HG21	1:679:C:LEU:H	15	0.5
(1,423)	1:682:C:ILE:HG22	1:679:C:LEU:H	15	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,423)	1:682:C:ILE:HG23	1:679:C:LEU:H	15	0.5
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD2	1	0.5
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD3	1	0.5
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	11	0.5
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	11	0.5
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	11	0.5
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	11	0.5
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	11	0.5
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	11	0.5
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG21	12	0.5
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG22	12	0.5
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG23	12	0.5
(1,256)	1:682:C:ILE:HG21	1:679:C:LEU:H	15	0.5
(1,256)	1:682:C:ILE:HG22	1:679:C:LEU:H	15	0.5
(1,256)	1:682:C:ILE:HG23	1:679:C:LEU:H	15	0.5
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD2	1	0.5
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD3	1	0.5
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	11	0.5
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	11	0.5
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	11	0.5
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	11	0.5
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	11	0.5
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	11	0.5
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG21	12	0.5
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG22	12	0.5
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG23	12	0.5
(1,89)	1:682:C:ILE:HG21	1:679:C:LEU:H	15	0.5
(1,89)	1:682:C:ILE:HG22	1:679:C:LEU:H	15	0.5
(1,89)	1:682:C:ILE:HG23	1:679:C:LEU:H	15	0.5
(1,578)	1:712:C:TYR:H	1:709:C:ARG:HA	13	0.49
(1,548)	1:708:C:VAL:H	1:705:C:VAL:HA	3	0.49
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD2	1	0.49
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD3	1	0.49
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB2	4	0.49
(1,538)	1:707:C:ARG:H	1:703:C:SER:HB3	4	0.49
(1,532)	1:706:C:ASN:H	1:703:C:SER:HA	4	0.49
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	4	0.49
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	4	0.49
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	4	0.49
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	4	0.49
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	4	0.49
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG21	4	0.49
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG22	4	0.49
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG23	4	0.49
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG21	5	0.49
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG22	5	0.49
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG23	5	0.49
(1,411)	1:712:C:TYR:H	1:709:C:ARG:HA	13	0.49
(1,381)	1:708:C:VAL:H	1:705:C:VAL:HA	3	0.49
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD2	1	0.49
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD3	1	0.49
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB2	4	0.49
(1,371)	1:707:C:ARG:H	1:703:C:SER:HB3	4	0.49
(1,365)	1:706:C:ASN:H	1:703:C:SER:HA	4	0.49
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	4	0.49
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	4	0.49
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	4	0.49
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	4	0.49
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	4	0.49
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	4	0.49
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG21	4	0.49
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG22	4	0.49
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG23	4	0.49
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG21	5	0.49
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG22	5	0.49
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG23	5	0.49
(1,244)	1:712:C:TYR:H	1:709:C:ARG:HA	13	0.49
(1,214)	1:708:C:VAL:H	1:705:C:VAL:HA	3	0.49
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD2	1	0.49
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD3	1	0.49
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB2	4	0.49
(1,204)	1:707:C:ARG:H	1:703:C:SER:HB3	4	0.49
(1,198)	1:706:C:ASN:H	1:703:C:SER:HA	4	0.49
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	4	0.49
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	4	0.49
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	4	0.49
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	4	0.49
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	4	0.49
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	4	0.49
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG21	4	0.49
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG22	4	0.49
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG23	4	0.49
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG21	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG22	5	0.49
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG23	5	0.49
(1,570)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	1	0.48
(1,570)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	1	0.48
(1,570)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	1	0.48
(1,570)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	1	0.48
(1,497)	1:701:C:VAL:HG11	1:698:C:VAL:HA	6	0.48
(1,497)	1:701:C:VAL:HG12	1:698:C:VAL:HA	6	0.48
(1,497)	1:701:C:VAL:HG13	1:698:C:VAL:HA	6	0.48
(1,497)	1:701:C:VAL:HG11	1:698:C:VAL:HA	9	0.48
(1,497)	1:701:C:VAL:HG12	1:698:C:VAL:HA	9	0.48
(1,497)	1:701:C:VAL:HG13	1:698:C:VAL:HA	9	0.48
(1,442)	1:684:C:ILE:HG21	1:688:C:ILE:H	3	0.48
(1,442)	1:684:C:ILE:HG22	1:688:C:ILE:H	3	0.48
(1,442)	1:684:C:ILE:HG23	1:688:C:ILE:H	3	0.48
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	14	0.48
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	14	0.48
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	14	0.48
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	14	0.48
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	14	0.48
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	14	0.48
(1,422)	1:681:C:TYR:H	1:680:C:TRP:HE3	2	0.48
(1,403)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	1	0.48
(1,403)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	1	0.48
(1,403)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	1	0.48
(1,403)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	1	0.48
(1,330)	1:701:C:VAL:HG11	1:698:C:VAL:HA	6	0.48
(1,330)	1:701:C:VAL:HG12	1:698:C:VAL:HA	6	0.48
(1,330)	1:701:C:VAL:HG13	1:698:C:VAL:HA	6	0.48
(1,330)	1:701:C:VAL:HG11	1:698:C:VAL:HA	9	0.48
(1,330)	1:701:C:VAL:HG12	1:698:C:VAL:HA	9	0.48
(1,330)	1:701:C:VAL:HG13	1:698:C:VAL:HA	9	0.48
(1,275)	1:684:C:ILE:HG21	1:688:C:ILE:H	3	0.48
(1,275)	1:684:C:ILE:HG22	1:688:C:ILE:H	3	0.48
(1,275)	1:684:C:ILE:HG23	1:688:C:ILE:H	3	0.48
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	14	0.48
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	14	0.48
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	14	0.48
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	14	0.48
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	14	0.48
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	14	0.48
(1,255)	1:681:C:TYR:H	1:680:C:TRP:HE3	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,236)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	1	0.48
(1,236)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	1	0.48
(1,236)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	1	0.48
(1,236)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	1	0.48
(1,163)	1:701:C:VAL:HG11	1:698:C:VAL:HA	6	0.48
(1,163)	1:701:C:VAL:HG12	1:698:C:VAL:HA	6	0.48
(1,163)	1:701:C:VAL:HG13	1:698:C:VAL:HA	6	0.48
(1,163)	1:701:C:VAL:HG11	1:698:C:VAL:HA	9	0.48
(1,163)	1:701:C:VAL:HG12	1:698:C:VAL:HA	9	0.48
(1,163)	1:701:C:VAL:HG13	1:698:C:VAL:HA	9	0.48
(1,108)	1:684:C:ILE:HG21	1:688:C:ILE:H	3	0.48
(1,108)	1:684:C:ILE:HG22	1:688:C:ILE:H	3	0.48
(1,108)	1:684:C:ILE:HG23	1:688:C:ILE:H	3	0.48
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	14	0.48
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	14	0.48
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	14	0.48
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	14	0.48
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	14	0.48
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	14	0.48
(1,88)	1:681:C:TYR:H	1:680:C:TRP:HE3	2	0.48
(1,556)	1:709:C:ARG:H	1:707:C:ARG:H	5	0.47
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	14	0.47
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	14	0.47
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	14	0.47
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	14	0.47
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	14	0.47
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	14	0.47
(1,497)	1:701:C:VAL:HG11	1:698:C:VAL:HA	10	0.47
(1,497)	1:701:C:VAL:HG12	1:698:C:VAL:HA	10	0.47
(1,497)	1:701:C:VAL:HG13	1:698:C:VAL:HA	10	0.47
(1,465)	1:693:C:ILE:HG21	1:694:C:GLY:H	5	0.47
(1,465)	1:693:C:ILE:HG22	1:694:C:GLY:H	5	0.47
(1,465)	1:693:C:ILE:HG23	1:694:C:GLY:H	5	0.47
(1,465)	1:693:C:ILE:HG21	1:694:C:GLY:H	12	0.47
(1,465)	1:693:C:ILE:HG22	1:694:C:GLY:H	12	0.47
(1,465)	1:693:C:ILE:HG23	1:694:C:GLY:H	12	0.47
(1,442)	1:684:C:ILE:HG21	1:688:C:ILE:H	4	0.47
(1,442)	1:684:C:ILE:HG22	1:688:C:ILE:H	4	0.47
(1,442)	1:684:C:ILE:HG23	1:688:C:ILE:H	4	0.47
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	15	0.47
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	15	0.47
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	15	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	15	0.47
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	15	0.47
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	15	0.47
(1,422)	1:681:C:TYR:H	1:680:C:TRP:HE3	4	0.47
(1,389)	1:709:C:ARG:H	1:707:C:ARG:H	5	0.47
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	14	0.47
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	14	0.47
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	14	0.47
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	14	0.47
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	14	0.47
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	14	0.47
(1,330)	1:701:C:VAL:HG11	1:698:C:VAL:HA	10	0.47
(1,330)	1:701:C:VAL:HG12	1:698:C:VAL:HA	10	0.47
(1,330)	1:701:C:VAL:HG13	1:698:C:VAL:HA	10	0.47
(1,298)	1:693:C:ILE:HG21	1:694:C:GLY:H	5	0.47
(1,298)	1:693:C:ILE:HG22	1:694:C:GLY:H	5	0.47
(1,298)	1:693:C:ILE:HG23	1:694:C:GLY:H	5	0.47
(1,298)	1:693:C:ILE:HG21	1:694:C:GLY:H	12	0.47
(1,298)	1:693:C:ILE:HG22	1:694:C:GLY:H	12	0.47
(1,298)	1:693:C:ILE:HG23	1:694:C:GLY:H	12	0.47
(1,275)	1:684:C:ILE:HG21	1:688:C:ILE:H	4	0.47
(1,275)	1:684:C:ILE:HG22	1:688:C:ILE:H	4	0.47
(1,275)	1:684:C:ILE:HG23	1:688:C:ILE:H	4	0.47
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	15	0.47
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	15	0.47
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	15	0.47
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	15	0.47
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	15	0.47
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	15	0.47
(1,255)	1:681:C:TYR:H	1:680:C:TRP:HE3	4	0.47
(1,222)	1:709:C:ARG:H	1:707:C:ARG:H	5	0.47
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	14	0.47
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	14	0.47
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	14	0.47
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	14	0.47
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	14	0.47
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	14	0.47
(1,163)	1:701:C:VAL:HG11	1:698:C:VAL:HA	10	0.47
(1,163)	1:701:C:VAL:HG12	1:698:C:VAL:HA	10	0.47
(1,163)	1:701:C:VAL:HG13	1:698:C:VAL:HA	10	0.47
(1,131)	1:693:C:ILE:HG21	1:694:C:GLY:H	5	0.47
(1,131)	1:693:C:ILE:HG22	1:694:C:GLY:H	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,131)	1:693:C:ILE:HG23	1:694:C:GLY:H	5	0.47
(1,131)	1:693:C:ILE:HG21	1:694:C:GLY:H	12	0.47
(1,131)	1:693:C:ILE:HG22	1:694:C:GLY:H	12	0.47
(1,131)	1:693:C:ILE:HG23	1:694:C:GLY:H	12	0.47
(1,108)	1:684:C:ILE:HG21	1:688:C:ILE:H	4	0.47
(1,108)	1:684:C:ILE:HG22	1:688:C:ILE:H	4	0.47
(1,108)	1:684:C:ILE:HG23	1:688:C:ILE:H	4	0.47
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	15	0.47
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	15	0.47
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	15	0.47
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	15	0.47
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	15	0.47
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	15	0.47
(1,88)	1:681:C:TYR:H	1:680:C:TRP:HE3	4	0.47
(1,578)	1:712:C:TYR:H	1:709:C:ARG:HA	10	0.46
(1,556)	1:709:C:ARG:H	1:707:C:ARG:H	12	0.46
(1,556)	1:709:C:ARG:H	1:707:C:ARG:H	15	0.46
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	2	0.46
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	2	0.46
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	2	0.46
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	2	0.46
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	2	0.46
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	2	0.46
(1,506)	1:703:C:SER:H	1:700:C:ALA:HA	1	0.46
(1,465)	1:693:C:ILE:HG21	1:694:C:GLY:H	6	0.46
(1,465)	1:693:C:ILE:HG22	1:694:C:GLY:H	6	0.46
(1,465)	1:693:C:ILE:HG23	1:694:C:GLY:H	6	0.46
(1,447)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	8	0.46
(1,447)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	8	0.46
(1,447)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	8	0.46
(1,447)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	8	0.46
(1,447)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	8	0.46
(1,447)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	8	0.46
(1,447)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	8	0.46
(1,447)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	8	0.46
(1,447)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	8	0.46
(1,423)	1:682:C:ILE:HG21	1:679:C:LEU:H	9	0.46
(1,423)	1:682:C:ILE:HG22	1:679:C:LEU:H	9	0.46
(1,423)	1:682:C:ILE:HG23	1:679:C:LEU:H	9	0.46
(1,422)	1:681:C:TYR:H	1:680:C:TRP:HE3	11	0.46
(1,411)	1:712:C:TYR:H	1:709:C:ARG:HA	10	0.46
(1,389)	1:709:C:ARG:H	1:707:C:ARG:H	12	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,389)	1:709:C:ARG:H	1:707:C:ARG:H	15	0.46
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	2	0.46
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	2	0.46
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	2	0.46
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	2	0.46
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	2	0.46
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	2	0.46
(1,339)	1:703:C:SER:H	1:700:C:ALA:HA	1	0.46
(1,298)	1:693:C:ILE:HG21	1:694:C:GLY:H	6	0.46
(1,298)	1:693:C:ILE:HG22	1:694:C:GLY:H	6	0.46
(1,298)	1:693:C:ILE:HG23	1:694:C:GLY:H	6	0.46
(1,280)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	8	0.46
(1,280)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	8	0.46
(1,280)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	8	0.46
(1,280)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	8	0.46
(1,280)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	8	0.46
(1,280)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	8	0.46
(1,280)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	8	0.46
(1,280)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	8	0.46
(1,280)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	8	0.46
(1,256)	1:682:C:ILE:HG21	1:679:C:LEU:H	9	0.46
(1,256)	1:682:C:ILE:HG22	1:679:C:LEU:H	9	0.46
(1,256)	1:682:C:ILE:HG23	1:679:C:LEU:H	9	0.46
(1,255)	1:681:C:TYR:H	1:680:C:TRP:HE3	11	0.46
(1,244)	1:712:C:TYR:H	1:709:C:ARG:HA	10	0.46
(1,222)	1:709:C:ARG:H	1:707:C:ARG:H	12	0.46
(1,222)	1:709:C:ARG:H	1:707:C:ARG:H	15	0.46
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	2	0.46
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	2	0.46
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	2	0.46
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	2	0.46
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	2	0.46
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	2	0.46
(1,172)	1:703:C:SER:H	1:700:C:ALA:HA	1	0.46
(1,131)	1:693:C:ILE:HG21	1:694:C:GLY:H	6	0.46
(1,131)	1:693:C:ILE:HG22	1:694:C:GLY:H	6	0.46
(1,131)	1:693:C:ILE:HG23	1:694:C:GLY:H	6	0.46
(1,113)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	8	0.46
(1,113)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	8	0.46
(1,113)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	8	0.46
(1,113)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	8	0.46
(1,113)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	8	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	8	0.46
(1,113)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	8	0.46
(1,113)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	8	0.46
(1,113)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	8	0.46
(1,89)	1:682:C:ILE:HG21	1:679:C:LEU:H	9	0.46
(1,89)	1:682:C:ILE:HG22	1:679:C:LEU:H	9	0.46
(1,89)	1:682:C:ILE:HG23	1:679:C:LEU:H	9	0.46
(1,88)	1:681:C:TYR:H	1:680:C:TRP:HE3	11	0.46
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD2	2	0.45
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD3	2	0.45
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD2	6	0.45
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD3	6	0.45
(1,556)	1:709:C:ARG:H	1:707:C:ARG:H	4	0.45
(1,556)	1:709:C:ARG:H	1:707:C:ARG:H	9	0.45
(1,506)	1:703:C:SER:H	1:700:C:ALA:HA	11	0.45
(1,467)	1:695:C:LEU:H	1:691:C:SER:HA	7	0.45
(1,465)	1:693:C:ILE:HG21	1:694:C:GLY:H	14	0.45
(1,465)	1:693:C:ILE:HG22	1:694:C:GLY:H	14	0.45
(1,465)	1:693:C:ILE:HG23	1:694:C:GLY:H	14	0.45
(1,435)	1:684:C:ILE:HG21	1:681:C:TYR:HA	10	0.45
(1,435)	1:684:C:ILE:HG22	1:681:C:TYR:HA	10	0.45
(1,435)	1:684:C:ILE:HG23	1:681:C:TYR:HA	10	0.45
(1,422)	1:681:C:TYR:H	1:680:C:TRP:HE3	8	0.45
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD2	2	0.45
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD3	2	0.45
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD2	6	0.45
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD3	6	0.45
(1,389)	1:709:C:ARG:H	1:707:C:ARG:H	4	0.45
(1,389)	1:709:C:ARG:H	1:707:C:ARG:H	9	0.45
(1,339)	1:703:C:SER:H	1:700:C:ALA:HA	11	0.45
(1,300)	1:695:C:LEU:H	1:691:C:SER:HA	7	0.45
(1,298)	1:693:C:ILE:HG21	1:694:C:GLY:H	14	0.45
(1,298)	1:693:C:ILE:HG22	1:694:C:GLY:H	14	0.45
(1,298)	1:693:C:ILE:HG23	1:694:C:GLY:H	14	0.45
(1,268)	1:684:C:ILE:HG21	1:681:C:TYR:HA	10	0.45
(1,268)	1:684:C:ILE:HG22	1:681:C:TYR:HA	10	0.45
(1,268)	1:684:C:ILE:HG23	1:681:C:TYR:HA	10	0.45
(1,255)	1:681:C:TYR:H	1:680:C:TRP:HE3	8	0.45
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD2	2	0.45
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD3	2	0.45
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD2	6	0.45
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD3	6	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,222)	1:709:C:ARG:H	1:707:C:ARG:H	4	0.45
(1,222)	1:709:C:ARG:H	1:707:C:ARG:H	9	0.45
(1,172)	1:703:C:SER:H	1:700:C:ALA:HA	11	0.45
(1,133)	1:695:C:LEU:H	1:691:C:SER:HA	7	0.45
(1,131)	1:693:C:ILE:HG21	1:694:C:GLY:H	14	0.45
(1,131)	1:693:C:ILE:HG22	1:694:C:GLY:H	14	0.45
(1,131)	1:693:C:ILE:HG23	1:694:C:GLY:H	14	0.45
(1,101)	1:684:C:ILE:HG21	1:681:C:TYR:HA	10	0.45
(1,101)	1:684:C:ILE:HG22	1:681:C:TYR:HA	10	0.45
(1,101)	1:684:C:ILE:HG23	1:681:C:TYR:HA	10	0.45
(1,88)	1:681:C:TYR:H	1:680:C:TRP:HE3	8	0.45
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	14	0.45
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	14	0.45
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	14	0.45
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	14	0.45
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	14	0.45
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	14	0.45
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	14	0.45
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	14	0.45
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	14	0.45
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	14	0.45
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	14	0.45
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	14	0.45
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	14	0.45
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	14	0.45
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	14	0.45
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	14	0.45
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	14	0.45
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	14	0.45
(1,578)	1:712:C:TYR:H	1:709:C:ARG:HA	11	0.44
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD2	10	0.44
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD3	10	0.44
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	1	0.44
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	1	0.44
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	1	0.44
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	1	0.44
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	1	0.44
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	1	0.44
(1,506)	1:703:C:SER:H	1:700:C:ALA:HA	13	0.44
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	8	0.44
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	8	0.44
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	8	0.44
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	8	0.44
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	8	0.44
(1,483)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	8	0.44
(1,483)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	8	0.44
(1,483)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	8	0.44
(1,483)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	8	0.44
(1,483)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	8	0.44
(1,483)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	8	0.44
(1,459)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	5	0.44
(1,459)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	5	0.44
(1,458)	1:692:C:LEU:HD11	1:691:C:SER:HB2	14	0.44
(1,458)	1:692:C:LEU:HD11	1:691:C:SER:HB3	14	0.44
(1,458)	1:692:C:LEU:HD12	1:691:C:SER:HB2	14	0.44
(1,458)	1:692:C:LEU:HD12	1:691:C:SER:HB3	14	0.44
(1,458)	1:692:C:LEU:HD13	1:691:C:SER:HB2	14	0.44
(1,458)	1:692:C:LEU:HD13	1:691:C:SER:HB3	14	0.44
(1,448)	1:687:C:ILE:HG21	1:691:C:SER:HG	7	0.44
(1,448)	1:687:C:ILE:HG22	1:691:C:SER:HG	7	0.44
(1,448)	1:687:C:ILE:HG23	1:691:C:SER:HG	7	0.44
(1,442)	1:684:C:ILE:HG21	1:688:C:ILE:H	1	0.44
(1,442)	1:684:C:ILE:HG22	1:688:C:ILE:H	1	0.44
(1,442)	1:684:C:ILE:HG23	1:688:C:ILE:H	1	0.44
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	12	0.44
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	12	0.44
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	12	0.44
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	12	0.44
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	12	0.44
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	12	0.44
(1,422)	1:681:C:TYR:H	1:680:C:TRP:HE3	12	0.44
(1,411)	1:712:C:TYR:H	1:709:C:ARG:HA	11	0.44
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD2	10	0.44
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD3	10	0.44
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	1	0.44
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	1	0.44
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	1	0.44
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	1	0.44
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	1	0.44
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	1	0.44
(1,339)	1:703:C:SER:H	1:700:C:ALA:HA	13	0.44
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	8	0.44
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	8	0.44
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	8	0.44
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	8	0.44
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	8	0.44
(1,316)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	8	0.44
(1,316)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	8	0.44
(1,316)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	8	0.44
(1,316)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	8	0.44
(1,316)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	8	0.44
(1,316)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	8	0.44
(1,292)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	5	0.44
(1,292)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	5	0.44
(1,291)	1:692:C:LEU:HD11	1:691:C:SER:HB2	14	0.44
(1,291)	1:692:C:LEU:HD11	1:691:C:SER:HB3	14	0.44
(1,291)	1:692:C:LEU:HD12	1:691:C:SER:HB2	14	0.44
(1,291)	1:692:C:LEU:HD12	1:691:C:SER:HB3	14	0.44
(1,291)	1:692:C:LEU:HD13	1:691:C:SER:HB2	14	0.44
(1,291)	1:692:C:LEU:HD13	1:691:C:SER:HB3	14	0.44
(1,281)	1:687:C:ILE:HG21	1:691:C:SER:HG	7	0.44
(1,281)	1:687:C:ILE:HG22	1:691:C:SER:HG	7	0.44
(1,281)	1:687:C:ILE:HG23	1:691:C:SER:HG	7	0.44
(1,275)	1:684:C:ILE:HG21	1:688:C:ILE:H	1	0.44
(1,275)	1:684:C:ILE:HG22	1:688:C:ILE:H	1	0.44
(1,275)	1:684:C:ILE:HG23	1:688:C:ILE:H	1	0.44
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	12	0.44
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	12	0.44
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	12	0.44
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	12	0.44
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	12	0.44
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	12	0.44
(1,255)	1:681:C:TYR:H	1:680:C:TRP:HE3	12	0.44
(1,244)	1:712:C:TYR:H	1:709:C:ARG:HA	11	0.44
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD2	10	0.44
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD3	10	0.44
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	1	0.44
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	1	0.44
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	1	0.44
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	1	0.44
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	1	0.44
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	1	0.44
(1,172)	1:703:C:SER:H	1:700:C:ALA:HA	13	0.44
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	8	0.44
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	8	0.44
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	8	0.44
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	8	0.44
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	8	0.44
(1,149)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	8	0.44
(1,149)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	8	0.44
(1,149)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	8	0.44
(1,149)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	8	0.44
(1,149)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	8	0.44
(1,149)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	8	0.44
(1,125)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	5	0.44
(1,125)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	5	0.44
(1,124)	1:692:C:LEU:HD11	1:691:C:SER:HB2	14	0.44
(1,124)	1:692:C:LEU:HD11	1:691:C:SER:HB3	14	0.44
(1,124)	1:692:C:LEU:HD12	1:691:C:SER:HB2	14	0.44
(1,124)	1:692:C:LEU:HD12	1:691:C:SER:HB3	14	0.44
(1,124)	1:692:C:LEU:HD13	1:691:C:SER:HB2	14	0.44
(1,124)	1:692:C:LEU:HD13	1:691:C:SER:HB3	14	0.44
(1,114)	1:687:C:ILE:HG21	1:691:C:SER:HG	7	0.44
(1,114)	1:687:C:ILE:HG22	1:691:C:SER:HG	7	0.44
(1,114)	1:687:C:ILE:HG23	1:691:C:SER:HG	7	0.44
(1,108)	1:684:C:ILE:HG21	1:688:C:ILE:H	1	0.44
(1,108)	1:684:C:ILE:HG22	1:688:C:ILE:H	1	0.44
(1,108)	1:684:C:ILE:HG23	1:688:C:ILE:H	1	0.44
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	12	0.44
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	12	0.44
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	12	0.44
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	12	0.44
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	12	0.44
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	12	0.44
(1,88)	1:681:C:TYR:H	1:680:C:TRP:HE3	12	0.44
(1,578)	1:712:C:TYR:H	1:709:C:ARG:HA	3	0.43
(1,578)	1:712:C:TYR:H	1:709:C:ARG:HA	4	0.43
(1,556)	1:709:C:ARG:H	1:707:C:ARG:H	2	0.43
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	3	0.43
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	3	0.43
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	3	0.43
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	3	0.43
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	3	0.43
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	3	0.43
(1,506)	1:703:C:SER:H	1:700:C:ALA:HA	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	15	0.43
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	15	0.43
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	15	0.43
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	15	0.43
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	15	0.43
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	15	0.43
(1,483)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	7	0.43
(1,483)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	7	0.43
(1,483)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	7	0.43
(1,483)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	7	0.43
(1,483)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	7	0.43
(1,483)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	7	0.43
(1,465)	1:693:C:ILE:HG21	1:694:C:GLY:H	2	0.43
(1,465)	1:693:C:ILE:HG22	1:694:C:GLY:H	2	0.43
(1,465)	1:693:C:ILE:HG23	1:694:C:GLY:H	2	0.43
(1,459)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	2	0.43
(1,459)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	2	0.43
(1,442)	1:684:C:ILE:HG21	1:688:C:ILE:H	12	0.43
(1,442)	1:684:C:ILE:HG22	1:688:C:ILE:H	12	0.43
(1,442)	1:684:C:ILE:HG23	1:688:C:ILE:H	12	0.43
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	3	0.43
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	3	0.43
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	3	0.43
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	3	0.43
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	3	0.43
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	3	0.43
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	13	0.43
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	13	0.43
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	13	0.43
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	13	0.43
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	13	0.43
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	13	0.43
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	14	0.43
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	14	0.43
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	14	0.43
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	14	0.43
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	14	0.43
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	14	0.43
(1,435)	1:684:C:ILE:HG21	1:681:C:TYR:HA	8	0.43
(1,435)	1:684:C:ILE:HG22	1:681:C:TYR:HA	8	0.43
(1,435)	1:684:C:ILE:HG23	1:681:C:TYR:HA	8	0.43
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	9	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	9	0.43
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	9	0.43
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	9	0.43
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	9	0.43
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	9	0.43
(1,422)	1:681:C:TYR:H	1:680:C:TRP:HE3	6	0.43
(1,411)	1:712:C:TYR:H	1:709:C:ARG:HA	3	0.43
(1,411)	1:712:C:TYR:H	1:709:C:ARG:HA	4	0.43
(1,389)	1:709:C:ARG:H	1:707:C:ARG:H	2	0.43
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	3	0.43
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	3	0.43
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	3	0.43
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	3	0.43
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	3	0.43
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	3	0.43
(1,339)	1:703:C:SER:H	1:700:C:ALA:HA	5	0.43
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	15	0.43
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	15	0.43
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	15	0.43
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	15	0.43
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	15	0.43
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	15	0.43
(1,316)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	7	0.43
(1,316)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	7	0.43
(1,316)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	7	0.43
(1,316)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	7	0.43
(1,316)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	7	0.43
(1,316)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	7	0.43
(1,298)	1:693:C:ILE:HG21	1:694:C:GLY:H	2	0.43
(1,298)	1:693:C:ILE:HG22	1:694:C:GLY:H	2	0.43
(1,298)	1:693:C:ILE:HG23	1:694:C:GLY:H	2	0.43
(1,292)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	2	0.43
(1,292)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	2	0.43
(1,275)	1:684:C:ILE:HG21	1:688:C:ILE:H	12	0.43
(1,275)	1:684:C:ILE:HG22	1:688:C:ILE:H	12	0.43
(1,275)	1:684:C:ILE:HG23	1:688:C:ILE:H	12	0.43
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	3	0.43
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	3	0.43
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	3	0.43
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	3	0.43
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	3	0.43
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	13	0.43
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	13	0.43
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	13	0.43
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	13	0.43
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	13	0.43
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	13	0.43
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	14	0.43
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	14	0.43
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	14	0.43
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	14	0.43
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	14	0.43
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	14	0.43
(1,268)	1:684:C:ILE:HG21	1:681:C:TYR:HA	8	0.43
(1,268)	1:684:C:ILE:HG22	1:681:C:TYR:HA	8	0.43
(1,268)	1:684:C:ILE:HG23	1:681:C:TYR:HA	8	0.43
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	9	0.43
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	9	0.43
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	9	0.43
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	9	0.43
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	9	0.43
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	9	0.43
(1,255)	1:681:C:TYR:H	1:680:C:TRP:HE3	6	0.43
(1,244)	1:712:C:TYR:H	1:709:C:ARG:HA	3	0.43
(1,244)	1:712:C:TYR:H	1:709:C:ARG:HA	4	0.43
(1,222)	1:709:C:ARG:H	1:707:C:ARG:H	2	0.43
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	3	0.43
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	3	0.43
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	3	0.43
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	3	0.43
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	3	0.43
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	3	0.43
(1,172)	1:703:C:SER:H	1:700:C:ALA:HA	5	0.43
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	15	0.43
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	15	0.43
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	15	0.43
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	15	0.43
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	15	0.43
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	15	0.43
(1,149)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	7	0.43
(1,149)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	7	0.43
(1,149)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	7	0.43
(1,149)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	7	0.43
(1,149)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	7	0.43
(1,131)	1:693:C:ILE:HG21	1:694:C:GLY:H	2	0.43
(1,131)	1:693:C:ILE:HG22	1:694:C:GLY:H	2	0.43
(1,131)	1:693:C:ILE:HG23	1:694:C:GLY:H	2	0.43
(1,125)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	2	0.43
(1,125)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	2	0.43
(1,108)	1:684:C:ILE:HG21	1:688:C:ILE:H	12	0.43
(1,108)	1:684:C:ILE:HG22	1:688:C:ILE:H	12	0.43
(1,108)	1:684:C:ILE:HG23	1:688:C:ILE:H	12	0.43
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	3	0.43
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	3	0.43
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	3	0.43
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	3	0.43
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	3	0.43
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	3	0.43
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	13	0.43
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	13	0.43
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	13	0.43
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	13	0.43
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	13	0.43
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	13	0.43
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	14	0.43
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	14	0.43
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	14	0.43
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	14	0.43
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	14	0.43
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	14	0.43
(1,101)	1:684:C:ILE:HG21	1:681:C:TYR:HA	8	0.43
(1,101)	1:684:C:ILE:HG22	1:681:C:TYR:HA	8	0.43
(1,101)	1:684:C:ILE:HG23	1:681:C:TYR:HA	8	0.43
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	9	0.43
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	9	0.43
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	9	0.43
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	9	0.43
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	9	0.43
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	9	0.43
(1,88)	1:681:C:TYR:H	1:680:C:TRP:HE3	6	0.43
(1,578)	1:712:C:TYR:H	1:709:C:ARG:HA	15	0.42
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD2	4	0.42
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD3	4	0.42
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	5	0.42
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	5	0.42
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	5	0.42
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	5	0.42
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	5	0.42
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	11	0.42
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	11	0.42
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	11	0.42
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	11	0.42
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	11	0.42
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	11	0.42
(1,494)	1:701:C:VAL:H	1:698:C:VAL:HA	4	0.42
(1,483)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	11	0.42
(1,483)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	11	0.42
(1,483)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	11	0.42
(1,483)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	11	0.42
(1,483)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	11	0.42
(1,483)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	11	0.42
(1,459)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	12	0.42
(1,459)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	12	0.42
(1,448)	1:687:C:ILE:HG21	1:691:C:SER:HG	14	0.42
(1,448)	1:687:C:ILE:HG22	1:691:C:SER:HG	14	0.42
(1,448)	1:687:C:ILE:HG23	1:691:C:SER:HG	14	0.42
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	4	0.42
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	4	0.42
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	4	0.42
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	4	0.42
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	4	0.42
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	4	0.42
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	10	0.42
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	10	0.42
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	10	0.42
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	10	0.42
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	10	0.42
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	10	0.42
(1,435)	1:684:C:ILE:HG21	1:681:C:TYR:HA	4	0.42
(1,435)	1:684:C:ILE:HG22	1:681:C:TYR:HA	4	0.42
(1,435)	1:684:C:ILE:HG23	1:681:C:TYR:HA	4	0.42
(1,435)	1:684:C:ILE:HG21	1:681:C:TYR:HA	5	0.42
(1,435)	1:684:C:ILE:HG22	1:681:C:TYR:HA	5	0.42
(1,435)	1:684:C:ILE:HG23	1:681:C:TYR:HA	5	0.42
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG21	3	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG22	3	0.42
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG23	3	0.42
(1,423)	1:682:C:ILE:HG21	1:679:C:LEU:H	5	0.42
(1,423)	1:682:C:ILE:HG22	1:679:C:LEU:H	5	0.42
(1,423)	1:682:C:ILE:HG23	1:679:C:LEU:H	5	0.42
(1,422)	1:681:C:TYR:H	1:680:C:TRP:HE3	3	0.42
(1,411)	1:712:C:TYR:H	1:709:C:ARG:HA	15	0.42
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD2	4	0.42
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD3	4	0.42
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	5	0.42
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	5	0.42
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	5	0.42
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	5	0.42
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	5	0.42
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	5	0.42
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	11	0.42
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	11	0.42
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	11	0.42
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	11	0.42
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	11	0.42
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	11	0.42
(1,327)	1:701:C:VAL:H	1:698:C:VAL:HA	4	0.42
(1,316)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	11	0.42
(1,316)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	11	0.42
(1,316)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	11	0.42
(1,316)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	11	0.42
(1,316)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	11	0.42
(1,316)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	11	0.42
(1,292)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	12	0.42
(1,292)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	12	0.42
(1,281)	1:687:C:ILE:HG21	1:691:C:SER:HG	14	0.42
(1,281)	1:687:C:ILE:HG22	1:691:C:SER:HG	14	0.42
(1,281)	1:687:C:ILE:HG23	1:691:C:SER:HG	14	0.42
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	4	0.42
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	4	0.42
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	4	0.42
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	4	0.42
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	4	0.42
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	4	0.42
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	10	0.42
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	10	0.42
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	10	0.42
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	10	0.42
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	10	0.42
(1,268)	1:684:C:ILE:HG21	1:681:C:TYR:HA	4	0.42
(1,268)	1:684:C:ILE:HG22	1:681:C:TYR:HA	4	0.42
(1,268)	1:684:C:ILE:HG23	1:681:C:TYR:HA	4	0.42
(1,268)	1:684:C:ILE:HG21	1:681:C:TYR:HA	5	0.42
(1,268)	1:684:C:ILE:HG22	1:681:C:TYR:HA	5	0.42
(1,268)	1:684:C:ILE:HG23	1:681:C:TYR:HA	5	0.42
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG21	3	0.42
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG22	3	0.42
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG23	3	0.42
(1,256)	1:682:C:ILE:HG21	1:679:C:LEU:H	5	0.42
(1,256)	1:682:C:ILE:HG22	1:679:C:LEU:H	5	0.42
(1,256)	1:682:C:ILE:HG23	1:679:C:LEU:H	5	0.42
(1,255)	1:681:C:TYR:H	1:680:C:TRP:HE3	3	0.42
(1,244)	1:712:C:TYR:H	1:709:C:ARG:HA	15	0.42
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD2	4	0.42
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD3	4	0.42
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	5	0.42
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	5	0.42
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	5	0.42
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	5	0.42
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	5	0.42
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	5	0.42
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	11	0.42
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	11	0.42
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	11	0.42
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	11	0.42
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	11	0.42
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	11	0.42
(1,160)	1:701:C:VAL:H	1:698:C:VAL:HA	4	0.42
(1,149)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	11	0.42
(1,149)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	11	0.42
(1,149)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	11	0.42
(1,149)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	11	0.42
(1,149)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	11	0.42
(1,149)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	11	0.42
(1,125)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	12	0.42
(1,125)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	12	0.42
(1,114)	1:687:C:ILE:HG21	1:691:C:SER:HG	14	0.42
(1,114)	1:687:C:ILE:HG22	1:691:C:SER:HG	14	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:687:C:ILE:HG23	1:691:C:SER:HG	14	0.42
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	4	0.42
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	4	0.42
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	4	0.42
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	4	0.42
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	4	0.42
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	4	0.42
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	10	0.42
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	10	0.42
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	10	0.42
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	10	0.42
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	10	0.42
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	10	0.42
(1,101)	1:684:C:ILE:HG21	1:681:C:TYR:HA	4	0.42
(1,101)	1:684:C:ILE:HG22	1:681:C:TYR:HA	4	0.42
(1,101)	1:684:C:ILE:HG23	1:681:C:TYR:HA	4	0.42
(1,101)	1:684:C:ILE:HG21	1:681:C:TYR:HA	5	0.42
(1,101)	1:684:C:ILE:HG22	1:681:C:TYR:HA	5	0.42
(1,101)	1:684:C:ILE:HG23	1:681:C:TYR:HA	5	0.42
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG21	3	0.42
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG22	3	0.42
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG23	3	0.42
(1,89)	1:682:C:ILE:HG21	1:679:C:LEU:H	5	0.42
(1,89)	1:682:C:ILE:HG22	1:679:C:LEU:H	5	0.42
(1,89)	1:682:C:ILE:HG23	1:679:C:LEU:H	5	0.42
(1,88)	1:681:C:TYR:H	1:680:C:TRP:HE3	3	0.42
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	5	0.42
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	5	0.42
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	5	0.42
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	5	0.42
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	5	0.42
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	5	0.42
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	5	0.42
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	5	0.42
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	5	0.42
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	5	0.42
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	5	0.42
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	5	0.42
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	5	0.42
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	5	0.42
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	5	0.42
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	5	0.42
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	5	0.42
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	3	0.42
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	3	0.42
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	3	0.42
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	3	0.42
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	3	0.42
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	3	0.42
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	3	0.42
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	3	0.42
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	3	0.42
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	3	0.42
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	3	0.42
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	3	0.42
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	3	0.42
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	3	0.42
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	3	0.42
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	3	0.42
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	3	0.42
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	3	0.42
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	6	0.41
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	6	0.41
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	6	0.41
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	6	0.41
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	6	0.41
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	6	0.41
(1,548)	1:708:C:VAL:H	1:705:C:VAL:HA	4	0.41
(1,548)	1:708:C:VAL:H	1:705:C:VAL:HA	8	0.41
(1,506)	1:703:C:SER:H	1:700:C:ALA:HA	15	0.41
(1,494)	1:701:C:VAL:H	1:698:C:VAL:HA	7	0.41
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	1	0.41
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	1	0.41
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	1	0.41
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	1	0.41
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	1	0.41
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	1	0.41
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	7	0.41
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	7	0.41
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	7	0.41
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	7	0.41
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	7	0.41
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	8	0.41
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	8	0.41
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	8	0.41
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	8	0.41
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	8	0.41
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	8	0.41
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	5	0.41
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	5	0.41
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	5	0.41
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	5	0.41
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	5	0.41
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	5	0.41
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	6	0.41
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	6	0.41
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	6	0.41
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	6	0.41
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	6	0.41
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	6	0.41
(1,381)	1:708:C:VAL:H	1:705:C:VAL:HA	4	0.41
(1,381)	1:708:C:VAL:H	1:705:C:VAL:HA	8	0.41
(1,339)	1:703:C:SER:H	1:700:C:ALA:HA	15	0.41
(1,327)	1:701:C:VAL:H	1:698:C:VAL:HA	7	0.41
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	1	0.41
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	1	0.41
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	1	0.41
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	1	0.41
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	1	0.41
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	1	0.41
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	7	0.41
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	7	0.41
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	7	0.41
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	7	0.41
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	7	0.41
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	7	0.41
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	8	0.41
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	8	0.41
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	8	0.41
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	8	0.41
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	8	0.41
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	8	0.41
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	5	0.41
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	5	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	5	0.41
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	5	0.41
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	5	0.41
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	5	0.41
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	6	0.41
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	6	0.41
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	6	0.41
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	6	0.41
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	6	0.41
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	6	0.41
(1,214)	1:708:C:VAL:H	1:705:C:VAL:HA	4	0.41
(1,214)	1:708:C:VAL:H	1:705:C:VAL:HA	8	0.41
(1,172)	1:703:C:SER:H	1:700:C:ALA:HA	15	0.41
(1,160)	1:701:C:VAL:H	1:698:C:VAL:HA	7	0.41
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	1	0.41
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	1	0.41
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	1	0.41
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	1	0.41
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	1	0.41
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	1	0.41
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	7	0.41
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	7	0.41
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	7	0.41
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	7	0.41
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	7	0.41
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	7	0.41
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	8	0.41
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	8	0.41
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	8	0.41
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	8	0.41
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	8	0.41
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	8	0.41
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	5	0.41
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	5	0.41
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	5	0.41
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	5	0.41
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	5	0.41
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	5	0.41
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	7	0.4
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	7	0.4
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	7	0.4
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	7	0.4
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	7	0.4
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	7	0.4
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	7	0.4
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	7	0.4
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	7	0.4
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	7	0.4
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	7	0.4
(1,506)	1:703:C:SER:H	1:700:C:ALA:HA	12	0.4
(1,476)	1:696:C:ARG:H	1:696:C:ARG:HE	7	0.4
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	9	0.4
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	9	0.4
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	9	0.4
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	9	0.4
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	9	0.4
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	9	0.4
(1,435)	1:684:C:ILE:HG21	1:681:C:TYR:HA	15	0.4
(1,435)	1:684:C:ILE:HG22	1:681:C:TYR:HA	15	0.4
(1,435)	1:684:C:ILE:HG23	1:681:C:TYR:HA	15	0.4
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	8	0.4
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	8	0.4
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	8	0.4
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	8	0.4
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	8	0.4
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	8	0.4
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	4	0.4
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	4	0.4
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	4	0.4
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	4	0.4
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	4	0.4
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	4	0.4
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	15	0.4
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	15	0.4
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	15	0.4
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	15	0.4
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	15	0.4
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	15	0.4
(1,421)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	4	0.4
(1,421)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	4	0.4
(1,421)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	4	0.4
(1,421)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	4	0.4
(1,421)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,421)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	4	0.4
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	7	0.4
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	7	0.4
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	7	0.4
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	7	0.4
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	7	0.4
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	7	0.4
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	7	0.4
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	7	0.4
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	7	0.4
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	7	0.4
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	7	0.4
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	7	0.4
(1,339)	1:703:C:SER:H	1:700:C:ALA:HA	12	0.4
(1,309)	1:696:C:ARG:H	1:696:C:ARG:HE	7	0.4
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	9	0.4
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	9	0.4
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	9	0.4
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	9	0.4
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	9	0.4
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	9	0.4
(1,268)	1:684:C:ILE:HG21	1:681:C:TYR:HA	15	0.4
(1,268)	1:684:C:ILE:HG22	1:681:C:TYR:HA	15	0.4
(1,268)	1:684:C:ILE:HG23	1:681:C:TYR:HA	15	0.4
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	8	0.4
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	8	0.4
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	8	0.4
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	8	0.4
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	8	0.4
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	8	0.4
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	4	0.4
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	4	0.4
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	4	0.4
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	4	0.4
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	4	0.4
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	4	0.4
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	15	0.4
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	15	0.4
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	15	0.4
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	15	0.4
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	15	0.4
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,254)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	4	0.4
(1,254)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	4	0.4
(1,254)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	4	0.4
(1,254)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	4	0.4
(1,254)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	4	0.4
(1,254)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	4	0.4
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	7	0.4
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	7	0.4
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	7	0.4
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	7	0.4
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	7	0.4
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	7	0.4
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	7	0.4
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	7	0.4
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	7	0.4
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	7	0.4
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	7	0.4
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	7	0.4
(1,172)	1:703:C:SER:H	1:700:C:ALA:HA	12	0.4
(1,142)	1:696:C:ARG:H	1:696:C:ARG:HE	7	0.4
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	9	0.4
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	9	0.4
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	9	0.4
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	9	0.4
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	9	0.4
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	9	0.4
(1,101)	1:684:C:ILE:HG21	1:681:C:TYR:HA	15	0.4
(1,101)	1:684:C:ILE:HG22	1:681:C:TYR:HA	15	0.4
(1,101)	1:684:C:ILE:HG23	1:681:C:TYR:HA	15	0.4
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	8	0.4
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	8	0.4
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	8	0.4
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	8	0.4
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	8	0.4
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	8	0.4
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	4	0.4
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	4	0.4
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	4	0.4
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	4	0.4
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	4	0.4
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	4	0.4
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	15	0.4
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	15	0.4
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	15	0.4
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	15	0.4
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	15	0.4
(1,87)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	4	0.4
(1,87)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	4	0.4
(1,87)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	4	0.4
(1,87)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	4	0.4
(1,87)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	4	0.4
(1,87)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	4	0.4
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD2	3	0.39
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD3	3	0.39
(1,483)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	14	0.39
(1,483)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	14	0.39
(1,483)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	14	0.39
(1,483)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	14	0.39
(1,483)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	14	0.39
(1,483)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	14	0.39
(1,461)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	6	0.39
(1,461)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	6	0.39
(1,461)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	6	0.39
(1,461)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	6	0.39
(1,461)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	6	0.39
(1,461)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	6	0.39
(1,442)	1:684:C:ILE:HG21	1:688:C:ILE:H	2	0.39
(1,442)	1:684:C:ILE:HG22	1:688:C:ILE:H	2	0.39
(1,442)	1:684:C:ILE:HG23	1:688:C:ILE:H	2	0.39
(1,442)	1:684:C:ILE:HG21	1:688:C:ILE:H	8	0.39
(1,442)	1:684:C:ILE:HG22	1:688:C:ILE:H	8	0.39
(1,442)	1:684:C:ILE:HG23	1:688:C:ILE:H	8	0.39
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	1	0.39
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	1	0.39
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	1	0.39
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	1	0.39
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	1	0.39
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	1	0.39
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	7	0.39
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	7	0.39
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	7	0.39
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	7	0.39
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	7	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	7	0.39
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	9	0.39
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	9	0.39
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	9	0.39
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	9	0.39
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	9	0.39
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	9	0.39
(1,426)	1:682:C:ILE:HD11	1:681:C:TYR:H	3	0.39
(1,426)	1:682:C:ILE:HD12	1:681:C:TYR:H	3	0.39
(1,426)	1:682:C:ILE:HD13	1:681:C:TYR:H	3	0.39
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	11	0.39
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	11	0.39
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	11	0.39
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	11	0.39
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	11	0.39
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	11	0.39
(1,422)	1:681:C:TYR:H	1:680:C:TRP:HE3	9	0.39
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD2	3	0.39
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD3	3	0.39
(1,316)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	14	0.39
(1,316)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	14	0.39
(1,316)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	14	0.39
(1,316)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	14	0.39
(1,316)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	14	0.39
(1,316)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	14	0.39
(1,294)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	6	0.39
(1,294)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	6	0.39
(1,294)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	6	0.39
(1,294)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	6	0.39
(1,294)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	6	0.39
(1,294)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	6	0.39
(1,275)	1:684:C:ILE:HG21	1:688:C:ILE:H	2	0.39
(1,275)	1:684:C:ILE:HG22	1:688:C:ILE:H	2	0.39
(1,275)	1:684:C:ILE:HG23	1:688:C:ILE:H	2	0.39
(1,275)	1:684:C:ILE:HG21	1:688:C:ILE:H	8	0.39
(1,275)	1:684:C:ILE:HG22	1:688:C:ILE:H	8	0.39
(1,275)	1:684:C:ILE:HG23	1:688:C:ILE:H	8	0.39
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	1	0.39
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	1	0.39
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	1	0.39
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	1	0.39
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	1	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	1	0.39
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	7	0.39
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	7	0.39
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	7	0.39
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	7	0.39
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	7	0.39
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	7	0.39
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	9	0.39
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	9	0.39
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	9	0.39
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	9	0.39
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	9	0.39
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	9	0.39
(1,259)	1:682:C:ILE:HD11	1:681:C:TYR:H	3	0.39
(1,259)	1:682:C:ILE:HD12	1:681:C:TYR:H	3	0.39
(1,259)	1:682:C:ILE:HD13	1:681:C:TYR:H	3	0.39
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	11	0.39
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	11	0.39
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	11	0.39
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	11	0.39
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	11	0.39
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	11	0.39
(1,255)	1:681:C:TYR:H	1:680:C:TRP:HE3	9	0.39
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD2	3	0.39
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD3	3	0.39
(1,149)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	14	0.39
(1,149)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	14	0.39
(1,149)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	14	0.39
(1,149)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	14	0.39
(1,149)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	14	0.39
(1,149)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	14	0.39
(1,127)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	6	0.39
(1,127)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	6	0.39
(1,127)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	6	0.39
(1,127)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	6	0.39
(1,127)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	6	0.39
(1,127)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	6	0.39
(1,108)	1:684:C:ILE:HG21	1:688:C:ILE:H	2	0.39
(1,108)	1:684:C:ILE:HG22	1:688:C:ILE:H	2	0.39
(1,108)	1:684:C:ILE:HG23	1:688:C:ILE:H	2	0.39
(1,108)	1:684:C:ILE:HG21	1:688:C:ILE:H	8	0.39
(1,108)	1:684:C:ILE:HG22	1:688:C:ILE:H	8	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,108)	1:684:C:ILE:HG23	1:688:C:ILE:H	8	0.39
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	1	0.39
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	1	0.39
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	1	0.39
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	1	0.39
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	1	0.39
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	1	0.39
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	7	0.39
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	7	0.39
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	7	0.39
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	7	0.39
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	7	0.39
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	7	0.39
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	9	0.39
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	9	0.39
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	9	0.39
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	9	0.39
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	9	0.39
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	9	0.39
(1,92)	1:682:C:ILE:HD11	1:681:C:TYR:H	3	0.39
(1,92)	1:682:C:ILE:HD12	1:681:C:TYR:H	3	0.39
(1,92)	1:682:C:ILE:HD13	1:681:C:TYR:H	3	0.39
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	11	0.39
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	11	0.39
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	11	0.39
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	11	0.39
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	11	0.39
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	11	0.39
(1,88)	1:681:C:TYR:H	1:680:C:TRP:HE3	9	0.39
(1,532)	1:706:C:ASN:H	1:703:C:SER:HA	6	0.38
(1,526)	1:705:C:VAL:HG11	1:702:C:LEU:HA	2	0.38
(1,526)	1:705:C:VAL:HG12	1:702:C:LEU:HA	2	0.38
(1,526)	1:705:C:VAL:HG13	1:702:C:LEU:HA	2	0.38
(1,506)	1:703:C:SER:H	1:700:C:ALA:HA	7	0.38
(1,506)	1:703:C:SER:H	1:700:C:ALA:HA	8	0.38
(1,506)	1:703:C:SER:H	1:700:C:ALA:HA	14	0.38
(1,459)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	9	0.38
(1,459)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	9	0.38
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	6	0.38
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	6	0.38
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	6	0.38
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	6	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	6	0.38
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	6	0.38
(1,435)	1:684:C:ILE:HG21	1:681:C:TYR:HA	1	0.38
(1,435)	1:684:C:ILE:HG22	1:681:C:TYR:HA	1	0.38
(1,435)	1:684:C:ILE:HG23	1:681:C:TYR:HA	1	0.38
(1,435)	1:684:C:ILE:HG21	1:681:C:TYR:HA	2	0.38
(1,435)	1:684:C:ILE:HG22	1:681:C:TYR:HA	2	0.38
(1,435)	1:684:C:ILE:HG23	1:681:C:TYR:HA	2	0.38
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	13	0.38
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	13	0.38
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	13	0.38
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	13	0.38
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	13	0.38
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	13	0.38
(1,426)	1:682:C:ILE:HD11	1:681:C:TYR:H	15	0.38
(1,426)	1:682:C:ILE:HD12	1:681:C:TYR:H	15	0.38
(1,426)	1:682:C:ILE:HD13	1:681:C:TYR:H	15	0.38
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	6	0.38
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	6	0.38
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	6	0.38
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	6	0.38
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	6	0.38
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	6	0.38
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	10	0.38
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	10	0.38
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	10	0.38
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	10	0.38
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	10	0.38
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	10	0.38
(1,365)	1:706:C:ASN:H	1:703:C:SER:HA	6	0.38
(1,359)	1:705:C:VAL:HG11	1:702:C:LEU:HA	2	0.38
(1,359)	1:705:C:VAL:HG12	1:702:C:LEU:HA	2	0.38
(1,359)	1:705:C:VAL:HG13	1:702:C:LEU:HA	2	0.38
(1,339)	1:703:C:SER:H	1:700:C:ALA:HA	7	0.38
(1,339)	1:703:C:SER:H	1:700:C:ALA:HA	8	0.38
(1,339)	1:703:C:SER:H	1:700:C:ALA:HA	14	0.38
(1,292)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	9	0.38
(1,292)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	9	0.38
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	6	0.38
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	6	0.38
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	6	0.38
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	6	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	6	0.38
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	6	0.38
(1,268)	1:684:C:ILE:HG21	1:681:C:TYR:HA	1	0.38
(1,268)	1:684:C:ILE:HG22	1:681:C:TYR:HA	1	0.38
(1,268)	1:684:C:ILE:HG23	1:681:C:TYR:HA	1	0.38
(1,268)	1:684:C:ILE:HG21	1:681:C:TYR:HA	2	0.38
(1,268)	1:684:C:ILE:HG22	1:681:C:TYR:HA	2	0.38
(1,268)	1:684:C:ILE:HG23	1:681:C:TYR:HA	2	0.38
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	13	0.38
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	13	0.38
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	13	0.38
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	13	0.38
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	13	0.38
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	13	0.38
(1,259)	1:682:C:ILE:HD11	1:681:C:TYR:H	15	0.38
(1,259)	1:682:C:ILE:HD12	1:681:C:TYR:H	15	0.38
(1,259)	1:682:C:ILE:HD13	1:681:C:TYR:H	15	0.38
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	6	0.38
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	6	0.38
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	6	0.38
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	6	0.38
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	6	0.38
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	6	0.38
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	10	0.38
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	10	0.38
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	10	0.38
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	10	0.38
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	10	0.38
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	10	0.38
(1,198)	1:706:C:ASN:H	1:703:C:SER:HA	6	0.38
(1,192)	1:705:C:VAL:HG11	1:702:C:LEU:HA	2	0.38
(1,192)	1:705:C:VAL:HG12	1:702:C:LEU:HA	2	0.38
(1,192)	1:705:C:VAL:HG13	1:702:C:LEU:HA	2	0.38
(1,172)	1:703:C:SER:H	1:700:C:ALA:HA	7	0.38
(1,172)	1:703:C:SER:H	1:700:C:ALA:HA	8	0.38
(1,172)	1:703:C:SER:H	1:700:C:ALA:HA	14	0.38
(1,125)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	9	0.38
(1,125)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	9	0.38
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	6	0.38
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	6	0.38
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	6	0.38
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	6	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	6	0.38
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	6	0.38
(1,101)	1:684:C:ILE:HG21	1:681:C:TYR:HA	1	0.38
(1,101)	1:684:C:ILE:HG22	1:681:C:TYR:HA	1	0.38
(1,101)	1:684:C:ILE:HG23	1:681:C:TYR:HA	1	0.38
(1,101)	1:684:C:ILE:HG21	1:681:C:TYR:HA	2	0.38
(1,101)	1:684:C:ILE:HG22	1:681:C:TYR:HA	2	0.38
(1,101)	1:684:C:ILE:HG23	1:681:C:TYR:HA	2	0.38
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	13	0.38
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	13	0.38
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	13	0.38
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	13	0.38
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	13	0.38
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	13	0.38
(1,92)	1:682:C:ILE:HD11	1:681:C:TYR:H	15	0.38
(1,92)	1:682:C:ILE:HD12	1:681:C:TYR:H	15	0.38
(1,92)	1:682:C:ILE:HD13	1:681:C:TYR:H	15	0.38
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	6	0.38
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	6	0.38
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	6	0.38
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	6	0.38
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	6	0.38
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	6	0.38
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	10	0.38
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	10	0.38
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	10	0.38
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	10	0.38
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	10	0.38
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	10	0.38
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	15	0.38
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	15	0.38
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	15	0.38
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	15	0.38
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	15	0.38
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	15	0.38
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	15	0.38
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	15	0.38
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	15	0.38
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	15	0.38
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	15	0.38
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	15	0.38
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	15	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	15	0.38
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	15	0.38
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	15	0.38
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	15	0.38
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	15	0.38
(1,548)	1:708:C:VAL:H	1:705:C:VAL:HA	11	0.37
(1,532)	1:706:C:ASN:H	1:703:C:SER:HA	1	0.37
(1,521)	1:705:C:VAL:H	1:702:C:LEU:HA	4	0.37
(1,506)	1:703:C:SER:H	1:700:C:ALA:HA	3	0.37
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	7	0.37
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	7	0.37
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	7	0.37
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	7	0.37
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	7	0.37
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	7	0.37
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	9	0.37
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	9	0.37
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	9	0.37
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	9	0.37
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	9	0.37
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	9	0.37
(1,494)	1:701:C:VAL:H	1:698:C:VAL:HA	2	0.37
(1,494)	1:701:C:VAL:H	1:698:C:VAL:HA	12	0.37
(1,480)	1:698:C:VAL:HG11	1:695:C:LEU:HA	9	0.37
(1,480)	1:698:C:VAL:HG12	1:695:C:LEU:HA	9	0.37
(1,480)	1:698:C:VAL:HG13	1:695:C:LEU:HA	9	0.37
(1,467)	1:695:C:LEU:H	1:691:C:SER:HA	11	0.37
(1,435)	1:684:C:ILE:HG21	1:681:C:TYR:HA	11	0.37
(1,435)	1:684:C:ILE:HG22	1:681:C:TYR:HA	11	0.37
(1,435)	1:684:C:ILE:HG23	1:681:C:TYR:HA	11	0.37
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	6	0.37
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	6	0.37
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	6	0.37
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	6	0.37
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	6	0.37
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	6	0.37
(1,420)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	13	0.37
(1,420)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	13	0.37
(1,420)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	13	0.37
(1,420)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	13	0.37
(1,420)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	13	0.37
(1,420)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	13	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,381)	1:708:C:VAL:H	1:705:C:VAL:HA	11	0.37
(1,365)	1:706:C:ASN:H	1:703:C:SER:HA	1	0.37
(1,354)	1:705:C:VAL:H	1:702:C:LEU:HA	4	0.37
(1,339)	1:703:C:SER:H	1:700:C:ALA:HA	3	0.37
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	7	0.37
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	7	0.37
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	7	0.37
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	7	0.37
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	7	0.37
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	7	0.37
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	9	0.37
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	9	0.37
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	9	0.37
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	9	0.37
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	9	0.37
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	9	0.37
(1,327)	1:701:C:VAL:H	1:698:C:VAL:HA	2	0.37
(1,327)	1:701:C:VAL:H	1:698:C:VAL:HA	12	0.37
(1,313)	1:698:C:VAL:HG11	1:695:C:LEU:HA	9	0.37
(1,313)	1:698:C:VAL:HG12	1:695:C:LEU:HA	9	0.37
(1,313)	1:698:C:VAL:HG13	1:695:C:LEU:HA	9	0.37
(1,300)	1:695:C:LEU:H	1:691:C:SER:HA	11	0.37
(1,268)	1:684:C:ILE:HG21	1:681:C:TYR:HA	11	0.37
(1,268)	1:684:C:ILE:HG22	1:681:C:TYR:HA	11	0.37
(1,268)	1:684:C:ILE:HG23	1:681:C:TYR:HA	11	0.37
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	6	0.37
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	6	0.37
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	6	0.37
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	6	0.37
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	6	0.37
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	6	0.37
(1,253)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	13	0.37
(1,253)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	13	0.37
(1,253)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	13	0.37
(1,253)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	13	0.37
(1,253)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	13	0.37
(1,253)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	13	0.37
(1,214)	1:708:C:VAL:H	1:705:C:VAL:HA	11	0.37
(1,198)	1:706:C:ASN:H	1:703:C:SER:HA	1	0.37
(1,187)	1:705:C:VAL:H	1:702:C:LEU:HA	4	0.37
(1,172)	1:703:C:SER:H	1:700:C:ALA:HA	3	0.37
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	7	0.37
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	7	0.37
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	7	0.37
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	7	0.37
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	7	0.37
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	9	0.37
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	9	0.37
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	9	0.37
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	9	0.37
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	9	0.37
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	9	0.37
(1,160)	1:701:C:VAL:H	1:698:C:VAL:HA	2	0.37
(1,160)	1:701:C:VAL:H	1:698:C:VAL:HA	12	0.37
(1,146)	1:698:C:VAL:HG11	1:695:C:LEU:HA	9	0.37
(1,146)	1:698:C:VAL:HG12	1:695:C:LEU:HA	9	0.37
(1,146)	1:698:C:VAL:HG13	1:695:C:LEU:HA	9	0.37
(1,133)	1:695:C:LEU:H	1:691:C:SER:HA	11	0.37
(1,101)	1:684:C:ILE:HG21	1:681:C:TYR:HA	11	0.37
(1,101)	1:684:C:ILE:HG22	1:681:C:TYR:HA	11	0.37
(1,101)	1:684:C:ILE:HG23	1:681:C:TYR:HA	11	0.37
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	6	0.37
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	6	0.37
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	6	0.37
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	6	0.37
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	6	0.37
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	6	0.37
(1,86)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	13	0.37
(1,86)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	13	0.37
(1,86)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	13	0.37
(1,86)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	13	0.37
(1,86)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	13	0.37
(1,86)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	13	0.37
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	7	0.37
(1,60)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	7	0.37
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	7	0.37
(1,60)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	7	0.37
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	7	0.37
(1,60)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	7	0.37
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	7	0.37
(1,59)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	7	0.37
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	7	0.37
(1,59)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	7	0.37
(1,59)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	7	0.37
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB2	7	0.37
(1,58)	1:704:C:LEU:HD11	1:706:C:ASN:HB3	7	0.37
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB2	7	0.37
(1,58)	1:704:C:LEU:HD12	1:706:C:ASN:HB3	7	0.37
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB2	7	0.37
(1,58)	1:704:C:LEU:HD13	1:706:C:ASN:HB3	7	0.37
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	4	0.37
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	4	0.37
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	4	0.37
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	4	0.37
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	4	0.37
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	4	0.37
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	4	0.37
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	4	0.37
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	4	0.37
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	4	0.37
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	4	0.37
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	4	0.37
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	4	0.37
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	4	0.37
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	4	0.37
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	4	0.37
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	4	0.37
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	4	0.37
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	4	0.37
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	4	0.37
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	4	0.37
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	4	0.37
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	4	0.37
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	4	0.37
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	4	0.37
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	4	0.37
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	4	0.37
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	4	0.37
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	4	0.37
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	4	0.37
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	4	0.37
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	4	0.37
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	4	0.37
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	4	0.37
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	4	0.37
(1,532)	1:706:C:ASN:H	1:703:C:SER:HA	13	0.36
(1,526)	1:705:C:VAL:HG11	1:702:C:LEU:HA	9	0.36
(1,526)	1:705:C:VAL:HG12	1:702:C:LEU:HA	9	0.36
(1,526)	1:705:C:VAL:HG13	1:702:C:LEU:HA	9	0.36
(1,476)	1:696:C:ARG:H	1:696:C:ARG:HE	12	0.36
(1,458)	1:692:C:LEU:HD11	1:691:C:SER:HB2	7	0.36
(1,458)	1:692:C:LEU:HD11	1:691:C:SER:HB3	7	0.36
(1,458)	1:692:C:LEU:HD12	1:691:C:SER:HB2	7	0.36
(1,458)	1:692:C:LEU:HD12	1:691:C:SER:HB3	7	0.36
(1,458)	1:692:C:LEU:HD13	1:691:C:SER:HB2	7	0.36
(1,458)	1:692:C:LEU:HD13	1:691:C:SER:HB3	7	0.36
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	12	0.36
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	12	0.36
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	12	0.36
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	12	0.36
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	12	0.36
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	12	0.36
(1,435)	1:684:C:ILE:HG21	1:681:C:TYR:HA	12	0.36
(1,435)	1:684:C:ILE:HG22	1:681:C:TYR:HA	12	0.36
(1,435)	1:684:C:ILE:HG23	1:681:C:TYR:HA	12	0.36
(1,428)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	15	0.36
(1,422)	1:681:C:TYR:H	1:680:C:TRP:HE3	1	0.36
(1,421)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	9	0.36
(1,421)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	9	0.36
(1,421)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	9	0.36
(1,421)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	9	0.36
(1,421)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	9	0.36
(1,421)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	9	0.36
(1,365)	1:706:C:ASN:H	1:703:C:SER:HA	13	0.36
(1,359)	1:705:C:VAL:HG11	1:702:C:LEU:HA	9	0.36
(1,359)	1:705:C:VAL:HG12	1:702:C:LEU:HA	9	0.36
(1,359)	1:705:C:VAL:HG13	1:702:C:LEU:HA	9	0.36
(1,309)	1:696:C:ARG:H	1:696:C:ARG:HE	12	0.36
(1,291)	1:692:C:LEU:HD11	1:691:C:SER:HB2	7	0.36
(1,291)	1:692:C:LEU:HD11	1:691:C:SER:HB3	7	0.36
(1,291)	1:692:C:LEU:HD12	1:691:C:SER:HB2	7	0.36
(1,291)	1:692:C:LEU:HD12	1:691:C:SER:HB3	7	0.36
(1,291)	1:692:C:LEU:HD13	1:691:C:SER:HB2	7	0.36
(1,291)	1:692:C:LEU:HD13	1:691:C:SER:HB3	7	0.36
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	12	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	12	0.36
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	12	0.36
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	12	0.36
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	12	0.36
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	12	0.36
(1,268)	1:684:C:ILE:HG21	1:681:C:TYR:HA	12	0.36
(1,268)	1:684:C:ILE:HG22	1:681:C:TYR:HA	12	0.36
(1,268)	1:684:C:ILE:HG23	1:681:C:TYR:HA	12	0.36
(1,261)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	15	0.36
(1,255)	1:681:C:TYR:H	1:680:C:TRP:HE3	1	0.36
(1,254)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	9	0.36
(1,254)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	9	0.36
(1,254)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	9	0.36
(1,254)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	9	0.36
(1,254)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	9	0.36
(1,254)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	9	0.36
(1,198)	1:706:C:ASN:H	1:703:C:SER:HA	13	0.36
(1,192)	1:705:C:VAL:HG11	1:702:C:LEU:HA	9	0.36
(1,192)	1:705:C:VAL:HG12	1:702:C:LEU:HA	9	0.36
(1,192)	1:705:C:VAL:HG13	1:702:C:LEU:HA	9	0.36
(1,142)	1:696:C:ARG:H	1:696:C:ARG:HE	12	0.36
(1,124)	1:692:C:LEU:HD11	1:691:C:SER:HB2	7	0.36
(1,124)	1:692:C:LEU:HD11	1:691:C:SER:HB3	7	0.36
(1,124)	1:692:C:LEU:HD12	1:691:C:SER:HB2	7	0.36
(1,124)	1:692:C:LEU:HD12	1:691:C:SER:HB3	7	0.36
(1,124)	1:692:C:LEU:HD13	1:691:C:SER:HB2	7	0.36
(1,124)	1:692:C:LEU:HD13	1:691:C:SER:HB3	7	0.36
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	12	0.36
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	12	0.36
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	12	0.36
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	12	0.36
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	12	0.36
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	12	0.36
(1,101)	1:684:C:ILE:HG21	1:681:C:TYR:HA	12	0.36
(1,101)	1:684:C:ILE:HG22	1:681:C:TYR:HA	12	0.36
(1,101)	1:684:C:ILE:HG23	1:681:C:TYR:HA	12	0.36
(1,94)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	15	0.36
(1,88)	1:681:C:TYR:H	1:680:C:TRP:HE3	1	0.36
(1,87)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	9	0.36
(1,87)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	9	0.36
(1,87)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	9	0.36
(1,87)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	9	0.36
(1,87)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	9	0.36
(1,548)	1:708:C:VAL:H	1:705:C:VAL:HA	9	0.35
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD2	12	0.35
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD3	12	0.35
(1,526)	1:705:C:VAL:HG11	1:702:C:LEU:HA	3	0.35
(1,526)	1:705:C:VAL:HG12	1:702:C:LEU:HA	3	0.35
(1,526)	1:705:C:VAL:HG13	1:702:C:LEU:HA	3	0.35
(1,526)	1:705:C:VAL:HG11	1:702:C:LEU:HA	11	0.35
(1,526)	1:705:C:VAL:HG12	1:702:C:LEU:HA	11	0.35
(1,526)	1:705:C:VAL:HG13	1:702:C:LEU:HA	11	0.35
(1,510)	1:704:C:LEU:H	1:701:C:VAL:HA	9	0.35
(1,506)	1:703:C:SER:H	1:700:C:ALA:HA	2	0.35
(1,506)	1:703:C:SER:H	1:700:C:ALA:HA	10	0.35
(1,480)	1:698:C:VAL:HG11	1:695:C:LEU:HA	5	0.35
(1,480)	1:698:C:VAL:HG12	1:695:C:LEU:HA	5	0.35
(1,480)	1:698:C:VAL:HG13	1:695:C:LEU:HA	5	0.35
(1,480)	1:698:C:VAL:HG11	1:695:C:LEU:HA	12	0.35
(1,480)	1:698:C:VAL:HG12	1:695:C:LEU:HA	12	0.35
(1,480)	1:698:C:VAL:HG13	1:695:C:LEU:HA	12	0.35
(1,480)	1:698:C:VAL:HG11	1:695:C:LEU:HA	14	0.35
(1,480)	1:698:C:VAL:HG12	1:695:C:LEU:HA	14	0.35
(1,480)	1:698:C:VAL:HG13	1:695:C:LEU:HA	14	0.35
(1,477)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	3	0.35
(1,477)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	3	0.35
(1,477)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	3	0.35
(1,477)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	3	0.35
(1,477)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	3	0.35
(1,477)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	3	0.35
(1,465)	1:693:C:ILE:HG21	1:694:C:GLY:H	10	0.35
(1,465)	1:693:C:ILE:HG22	1:694:C:GLY:H	10	0.35
(1,465)	1:693:C:ILE:HG23	1:694:C:GLY:H	10	0.35
(1,446)	1:686:C:ILE:HD11	1:686:C:ILE:H	7	0.35
(1,446)	1:686:C:ILE:HD12	1:686:C:ILE:H	7	0.35
(1,446)	1:686:C:ILE:HD13	1:686:C:ILE:H	7	0.35
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	5	0.35
(1,440)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	5	0.35
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	5	0.35
(1,440)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	5	0.35
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	5	0.35
(1,440)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	5	0.35
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	15	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	15	0.35
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	15	0.35
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	15	0.35
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	15	0.35
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	15	0.35
(1,426)	1:682:C:ILE:HD11	1:681:C:TYR:H	4	0.35
(1,426)	1:682:C:ILE:HD12	1:681:C:TYR:H	4	0.35
(1,426)	1:682:C:ILE:HD13	1:681:C:TYR:H	4	0.35
(1,381)	1:708:C:VAL:H	1:705:C:VAL:HA	9	0.35
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD2	12	0.35
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD3	12	0.35
(1,359)	1:705:C:VAL:HG11	1:702:C:LEU:HA	3	0.35
(1,359)	1:705:C:VAL:HG12	1:702:C:LEU:HA	3	0.35
(1,359)	1:705:C:VAL:HG13	1:702:C:LEU:HA	3	0.35
(1,359)	1:705:C:VAL:HG11	1:702:C:LEU:HA	11	0.35
(1,359)	1:705:C:VAL:HG12	1:702:C:LEU:HA	11	0.35
(1,359)	1:705:C:VAL:HG13	1:702:C:LEU:HA	11	0.35
(1,343)	1:704:C:LEU:H	1:701:C:VAL:HA	9	0.35
(1,339)	1:703:C:SER:H	1:700:C:ALA:HA	2	0.35
(1,339)	1:703:C:SER:H	1:700:C:ALA:HA	10	0.35
(1,313)	1:698:C:VAL:HG11	1:695:C:LEU:HA	5	0.35
(1,313)	1:698:C:VAL:HG12	1:695:C:LEU:HA	5	0.35
(1,313)	1:698:C:VAL:HG13	1:695:C:LEU:HA	5	0.35
(1,313)	1:698:C:VAL:HG11	1:695:C:LEU:HA	12	0.35
(1,313)	1:698:C:VAL:HG12	1:695:C:LEU:HA	12	0.35
(1,313)	1:698:C:VAL:HG13	1:695:C:LEU:HA	12	0.35
(1,313)	1:698:C:VAL:HG11	1:695:C:LEU:HA	14	0.35
(1,313)	1:698:C:VAL:HG12	1:695:C:LEU:HA	14	0.35
(1,313)	1:698:C:VAL:HG13	1:695:C:LEU:HA	14	0.35
(1,310)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	3	0.35
(1,310)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	3	0.35
(1,310)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	3	0.35
(1,310)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	3	0.35
(1,310)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	3	0.35
(1,310)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	3	0.35
(1,298)	1:693:C:ILE:HG21	1:694:C:GLY:H	10	0.35
(1,298)	1:693:C:ILE:HG22	1:694:C:GLY:H	10	0.35
(1,298)	1:693:C:ILE:HG23	1:694:C:GLY:H	10	0.35
(1,279)	1:686:C:ILE:HD11	1:686:C:ILE:H	7	0.35
(1,279)	1:686:C:ILE:HD12	1:686:C:ILE:H	7	0.35
(1,279)	1:686:C:ILE:HD13	1:686:C:ILE:H	7	0.35
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	5	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,273)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	5	0.35
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	5	0.35
(1,273)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	5	0.35
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	5	0.35
(1,273)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	5	0.35
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	15	0.35
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	15	0.35
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	15	0.35
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	15	0.35
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	15	0.35
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	15	0.35
(1,259)	1:682:C:ILE:HD11	1:681:C:TYR:H	4	0.35
(1,259)	1:682:C:ILE:HD12	1:681:C:TYR:H	4	0.35
(1,259)	1:682:C:ILE:HD13	1:681:C:TYR:H	4	0.35
(1,214)	1:708:C:VAL:H	1:705:C:VAL:HA	9	0.35
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD2	12	0.35
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD3	12	0.35
(1,192)	1:705:C:VAL:HG11	1:702:C:LEU:HA	3	0.35
(1,192)	1:705:C:VAL:HG12	1:702:C:LEU:HA	3	0.35
(1,192)	1:705:C:VAL:HG13	1:702:C:LEU:HA	3	0.35
(1,192)	1:705:C:VAL:HG11	1:702:C:LEU:HA	11	0.35
(1,192)	1:705:C:VAL:HG12	1:702:C:LEU:HA	11	0.35
(1,192)	1:705:C:VAL:HG13	1:702:C:LEU:HA	11	0.35
(1,176)	1:704:C:LEU:H	1:701:C:VAL:HA	9	0.35
(1,172)	1:703:C:SER:H	1:700:C:ALA:HA	2	0.35
(1,172)	1:703:C:SER:H	1:700:C:ALA:HA	10	0.35
(1,146)	1:698:C:VAL:HG11	1:695:C:LEU:HA	5	0.35
(1,146)	1:698:C:VAL:HG12	1:695:C:LEU:HA	5	0.35
(1,146)	1:698:C:VAL:HG13	1:695:C:LEU:HA	5	0.35
(1,146)	1:698:C:VAL:HG11	1:695:C:LEU:HA	12	0.35
(1,146)	1:698:C:VAL:HG12	1:695:C:LEU:HA	12	0.35
(1,146)	1:698:C:VAL:HG13	1:695:C:LEU:HA	12	0.35
(1,146)	1:698:C:VAL:HG11	1:695:C:LEU:HA	14	0.35
(1,146)	1:698:C:VAL:HG12	1:695:C:LEU:HA	14	0.35
(1,146)	1:698:C:VAL:HG13	1:695:C:LEU:HA	14	0.35
(1,143)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	3	0.35
(1,143)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	3	0.35
(1,143)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	3	0.35
(1,143)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	3	0.35
(1,143)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	3	0.35
(1,143)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	3	0.35
(1,131)	1:693:C:ILE:HG21	1:694:C:GLY:H	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,131)	1:693:C:ILE:HG22	1:694:C:GLY:H	10	0.35
(1,131)	1:693:C:ILE:HG23	1:694:C:GLY:H	10	0.35
(1,112)	1:686:C:ILE:HD11	1:686:C:ILE:H	7	0.35
(1,112)	1:686:C:ILE:HD12	1:686:C:ILE:H	7	0.35
(1,112)	1:686:C:ILE:HD13	1:686:C:ILE:H	7	0.35
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	5	0.35
(1,106)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	5	0.35
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	5	0.35
(1,106)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	5	0.35
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	5	0.35
(1,106)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	5	0.35
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	15	0.35
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	15	0.35
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	15	0.35
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	15	0.35
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	15	0.35
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	15	0.35
(1,92)	1:682:C:ILE:HD11	1:681:C:TYR:H	4	0.35
(1,92)	1:682:C:ILE:HD12	1:681:C:TYR:H	4	0.35
(1,92)	1:682:C:ILE:HD13	1:681:C:TYR:H	4	0.35
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	13	0.35
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	13	0.35
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	13	0.35
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	13	0.35
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	13	0.35
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	13	0.35
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	14	0.35
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	14	0.35
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	14	0.35
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	14	0.35
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	14	0.35
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	14	0.35
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	13	0.35
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	13	0.35
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	13	0.35
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	13	0.35
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	13	0.35
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	13	0.35
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	14	0.35
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	14	0.35
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	14	0.35
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	14	0.35
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	14	0.35
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	13	0.35
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	13	0.35
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	13	0.35
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	13	0.35
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	13	0.35
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	13	0.35
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	14	0.35
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	14	0.35
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	14	0.35
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	14	0.35
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	14	0.35
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	14	0.35
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	1	0.35
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	1	0.35
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	1	0.35
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	1	0.35
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	1	0.35
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	1	0.35
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	1	0.35
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	1	0.35
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	1	0.35
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	1	0.35
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	1	0.35
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	1	0.35
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	1	0.35
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	1	0.35
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	1	0.35
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	1	0.35
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	1	0.35
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	1	0.35
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD2	8	0.34
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD3	8	0.34
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD2	13	0.34
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD3	13	0.34
(1,548)	1:708:C:VAL:H	1:705:C:VAL:HA	2	0.34
(1,548)	1:708:C:VAL:H	1:705:C:VAL:HA	6	0.34
(1,526)	1:705:C:VAL:HG11	1:702:C:LEU:HA	6	0.34
(1,526)	1:705:C:VAL:HG12	1:702:C:LEU:HA	6	0.34
(1,526)	1:705:C:VAL:HG13	1:702:C:LEU:HA	6	0.34
(1,526)	1:705:C:VAL:HG11	1:702:C:LEU:HA	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:705:C:VAL:HG12	1:702:C:LEU:HA	10	0.34
(1,526)	1:705:C:VAL:HG13	1:702:C:LEU:HA	10	0.34
(1,526)	1:705:C:VAL:HG11	1:702:C:LEU:HA	13	0.34
(1,526)	1:705:C:VAL:HG12	1:702:C:LEU:HA	13	0.34
(1,526)	1:705:C:VAL:HG13	1:702:C:LEU:HA	13	0.34
(1,506)	1:703:C:SER:H	1:700:C:ALA:HA	9	0.34
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	1	0.34
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	1	0.34
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	1	0.34
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	1	0.34
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	1	0.34
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	1	0.34
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	11	0.34
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	11	0.34
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	11	0.34
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	11	0.34
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	11	0.34
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	11	0.34
(1,494)	1:701:C:VAL:H	1:698:C:VAL:HA	8	0.34
(1,480)	1:698:C:VAL:HG11	1:695:C:LEU:HA	13	0.34
(1,480)	1:698:C:VAL:HG12	1:695:C:LEU:HA	13	0.34
(1,480)	1:698:C:VAL:HG13	1:695:C:LEU:HA	13	0.34
(1,477)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	1	0.34
(1,477)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	1	0.34
(1,477)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	1	0.34
(1,477)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	1	0.34
(1,477)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	1	0.34
(1,477)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	1	0.34
(1,467)	1:695:C:LEU:H	1:691:C:SER:HA	3	0.34
(1,450)	1:688:C:ILE:HG21	1:692:C:LEU:HG	5	0.34
(1,450)	1:688:C:ILE:HG22	1:692:C:LEU:HG	5	0.34
(1,450)	1:688:C:ILE:HG23	1:692:C:LEU:HG	5	0.34
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	4	0.34
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	4	0.34
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	4	0.34
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	4	0.34
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	4	0.34
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	4	0.34
(1,435)	1:684:C:ILE:HG21	1:681:C:TYR:HA	13	0.34
(1,435)	1:684:C:ILE:HG22	1:681:C:TYR:HA	13	0.34
(1,435)	1:684:C:ILE:HG23	1:681:C:TYR:HA	13	0.34
(1,426)	1:682:C:ILE:HD11	1:681:C:TYR:H	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,426)	1:682:C:ILE:HD12	1:681:C:TYR:H	7	0.34
(1,426)	1:682:C:ILE:HD13	1:681:C:TYR:H	7	0.34
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	5	0.34
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	5	0.34
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	5	0.34
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	5	0.34
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	5	0.34
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	5	0.34
(1,423)	1:682:C:ILE:HG21	1:679:C:LEU:H	7	0.34
(1,423)	1:682:C:ILE:HG22	1:679:C:LEU:H	7	0.34
(1,423)	1:682:C:ILE:HG23	1:679:C:LEU:H	7	0.34
(1,422)	1:681:C:TYR:H	1:680:C:TRP:HE3	13	0.34
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD2	8	0.34
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD3	8	0.34
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD2	13	0.34
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD3	13	0.34
(1,381)	1:708:C:VAL:H	1:705:C:VAL:HA	2	0.34
(1,381)	1:708:C:VAL:H	1:705:C:VAL:HA	6	0.34
(1,359)	1:705:C:VAL:HG11	1:702:C:LEU:HA	6	0.34
(1,359)	1:705:C:VAL:HG12	1:702:C:LEU:HA	6	0.34
(1,359)	1:705:C:VAL:HG13	1:702:C:LEU:HA	6	0.34
(1,359)	1:705:C:VAL:HG11	1:702:C:LEU:HA	10	0.34
(1,359)	1:705:C:VAL:HG12	1:702:C:LEU:HA	10	0.34
(1,359)	1:705:C:VAL:HG13	1:702:C:LEU:HA	10	0.34
(1,359)	1:705:C:VAL:HG11	1:702:C:LEU:HA	13	0.34
(1,359)	1:705:C:VAL:HG12	1:702:C:LEU:HA	13	0.34
(1,359)	1:705:C:VAL:HG13	1:702:C:LEU:HA	13	0.34
(1,339)	1:703:C:SER:H	1:700:C:ALA:HA	9	0.34
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	1	0.34
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	1	0.34
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	1	0.34
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	1	0.34
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	1	0.34
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	1	0.34
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	11	0.34
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	11	0.34
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	11	0.34
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	11	0.34
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	11	0.34
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	11	0.34
(1,327)	1:701:C:VAL:H	1:698:C:VAL:HA	8	0.34
(1,313)	1:698:C:VAL:HG11	1:695:C:LEU:HA	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,313)	1:698:C:VAL:HG12	1:695:C:LEU:HA	13	0.34
(1,313)	1:698:C:VAL:HG13	1:695:C:LEU:HA	13	0.34
(1,310)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	1	0.34
(1,310)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	1	0.34
(1,310)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	1	0.34
(1,310)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	1	0.34
(1,310)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	1	0.34
(1,310)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	1	0.34
(1,300)	1:695:C:LEU:H	1:691:C:SER:HA	3	0.34
(1,283)	1:688:C:ILE:HG21	1:692:C:LEU:HG	5	0.34
(1,283)	1:688:C:ILE:HG22	1:692:C:LEU:HG	5	0.34
(1,283)	1:688:C:ILE:HG23	1:692:C:LEU:HG	5	0.34
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	4	0.34
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	4	0.34
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	4	0.34
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	4	0.34
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	4	0.34
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	4	0.34
(1,268)	1:684:C:ILE:HG21	1:681:C:TYR:HA	13	0.34
(1,268)	1:684:C:ILE:HG22	1:681:C:TYR:HA	13	0.34
(1,268)	1:684:C:ILE:HG23	1:681:C:TYR:HA	13	0.34
(1,259)	1:682:C:ILE:HD11	1:681:C:TYR:H	7	0.34
(1,259)	1:682:C:ILE:HD12	1:681:C:TYR:H	7	0.34
(1,259)	1:682:C:ILE:HD13	1:681:C:TYR:H	7	0.34
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	5	0.34
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	5	0.34
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	5	0.34
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	5	0.34
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	5	0.34
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	5	0.34
(1,256)	1:682:C:ILE:HG21	1:679:C:LEU:H	7	0.34
(1,256)	1:682:C:ILE:HG22	1:679:C:LEU:H	7	0.34
(1,256)	1:682:C:ILE:HG23	1:679:C:LEU:H	7	0.34
(1,255)	1:681:C:TYR:H	1:680:C:TRP:HE3	13	0.34
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD2	8	0.34
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD3	8	0.34
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD2	13	0.34
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD3	13	0.34
(1,214)	1:708:C:VAL:H	1:705:C:VAL:HA	2	0.34
(1,214)	1:708:C:VAL:H	1:705:C:VAL:HA	6	0.34
(1,192)	1:705:C:VAL:HG11	1:702:C:LEU:HA	6	0.34
(1,192)	1:705:C:VAL:HG12	1:702:C:LEU:HA	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,192)	1:705:C:VAL:HG13	1:702:C:LEU:HA	6	0.34
(1,192)	1:705:C:VAL:HG11	1:702:C:LEU:HA	10	0.34
(1,192)	1:705:C:VAL:HG12	1:702:C:LEU:HA	10	0.34
(1,192)	1:705:C:VAL:HG13	1:702:C:LEU:HA	10	0.34
(1,192)	1:705:C:VAL:HG11	1:702:C:LEU:HA	13	0.34
(1,192)	1:705:C:VAL:HG12	1:702:C:LEU:HA	13	0.34
(1,192)	1:705:C:VAL:HG13	1:702:C:LEU:HA	13	0.34
(1,172)	1:703:C:SER:H	1:700:C:ALA:HA	9	0.34
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	1	0.34
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	1	0.34
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	1	0.34
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	1	0.34
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	1	0.34
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	1	0.34
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	11	0.34
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	11	0.34
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	11	0.34
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	11	0.34
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	11	0.34
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	11	0.34
(1,160)	1:701:C:VAL:H	1:698:C:VAL:HA	8	0.34
(1,146)	1:698:C:VAL:HG11	1:695:C:LEU:HA	13	0.34
(1,146)	1:698:C:VAL:HG12	1:695:C:LEU:HA	13	0.34
(1,146)	1:698:C:VAL:HG13	1:695:C:LEU:HA	13	0.34
(1,143)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	1	0.34
(1,143)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	1	0.34
(1,143)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	1	0.34
(1,143)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	1	0.34
(1,143)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	1	0.34
(1,143)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	1	0.34
(1,133)	1:695:C:LEU:H	1:691:C:SER:HA	3	0.34
(1,116)	1:688:C:ILE:HG21	1:692:C:LEU:HG	5	0.34
(1,116)	1:688:C:ILE:HG22	1:692:C:LEU:HG	5	0.34
(1,116)	1:688:C:ILE:HG23	1:692:C:LEU:HG	5	0.34
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	4	0.34
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	4	0.34
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	4	0.34
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	4	0.34
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	4	0.34
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	4	0.34
(1,101)	1:684:C:ILE:HG21	1:681:C:TYR:HA	13	0.34
(1,101)	1:684:C:ILE:HG22	1:681:C:TYR:HA	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:684:C:ILE:HG23	1:681:C:TYR:HA	13	0.34
(1,92)	1:682:C:ILE:HD11	1:681:C:TYR:H	7	0.34
(1,92)	1:682:C:ILE:HD12	1:681:C:TYR:H	7	0.34
(1,92)	1:682:C:ILE:HD13	1:681:C:TYR:H	7	0.34
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	5	0.34
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	5	0.34
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	5	0.34
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	5	0.34
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	5	0.34
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	5	0.34
(1,89)	1:682:C:ILE:HG21	1:679:C:LEU:H	7	0.34
(1,89)	1:682:C:ILE:HG22	1:679:C:LEU:H	7	0.34
(1,89)	1:682:C:ILE:HG23	1:679:C:LEU:H	7	0.34
(1,88)	1:681:C:TYR:H	1:680:C:TRP:HE3	13	0.34
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	12	0.33
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	12	0.33
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	12	0.33
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	12	0.33
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	12	0.33
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	12	0.33
(1,532)	1:706:C:ASN:H	1:703:C:SER:HA	8	0.33
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	10	0.33
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	10	0.33
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	10	0.33
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	10	0.33
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	10	0.33
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	10	0.33
(1,526)	1:705:C:VAL:HG11	1:702:C:LEU:HA	7	0.33
(1,526)	1:705:C:VAL:HG12	1:702:C:LEU:HA	7	0.33
(1,526)	1:705:C:VAL:HG13	1:702:C:LEU:HA	7	0.33
(1,510)	1:704:C:LEU:H	1:701:C:VAL:HA	7	0.33
(1,506)	1:703:C:SER:H	1:700:C:ALA:HA	4	0.33
(1,506)	1:703:C:SER:H	1:700:C:ALA:HA	6	0.33
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	13	0.33
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	13	0.33
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	13	0.33
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	13	0.33
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	13	0.33
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	13	0.33
(1,494)	1:701:C:VAL:H	1:698:C:VAL:HA	11	0.33
(1,448)	1:687:C:ILE:HG21	1:691:C:SER:HG	3	0.33
(1,448)	1:687:C:ILE:HG22	1:691:C:SER:HG	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,448)	1:687:C:ILE:HG23	1:691:C:SER:HG	3	0.33
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	13	0.33
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	13	0.33
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	13	0.33
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	13	0.33
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	13	0.33
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	13	0.33
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	4	0.33
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	4	0.33
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	4	0.33
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	4	0.33
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	4	0.33
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	4	0.33
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	9	0.33
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	9	0.33
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	9	0.33
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	9	0.33
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	9	0.33
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	9	0.33
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	3	0.33
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	3	0.33
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	3	0.33
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	3	0.33
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	3	0.33
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	3	0.33
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	12	0.33
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	12	0.33
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	12	0.33
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	12	0.33
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	12	0.33
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	12	0.33
(1,365)	1:706:C:ASN:H	1:703:C:SER:HA	8	0.33
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	10	0.33
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	10	0.33
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	10	0.33
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	10	0.33
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	10	0.33
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	10	0.33
(1,359)	1:705:C:VAL:HG11	1:702:C:LEU:HA	7	0.33
(1,359)	1:705:C:VAL:HG12	1:702:C:LEU:HA	7	0.33
(1,359)	1:705:C:VAL:HG13	1:702:C:LEU:HA	7	0.33
(1,343)	1:704:C:LEU:H	1:701:C:VAL:HA	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,339)	1:703:C:SER:H	1:700:C:ALA:HA	4	0.33
(1,339)	1:703:C:SER:H	1:700:C:ALA:HA	6	0.33
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	13	0.33
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	13	0.33
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	13	0.33
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	13	0.33
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	13	0.33
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	13	0.33
(1,327)	1:701:C:VAL:H	1:698:C:VAL:HA	11	0.33
(1,281)	1:687:C:ILE:HG21	1:691:C:SER:HG	3	0.33
(1,281)	1:687:C:ILE:HG22	1:691:C:SER:HG	3	0.33
(1,281)	1:687:C:ILE:HG23	1:691:C:SER:HG	3	0.33
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	13	0.33
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	13	0.33
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	13	0.33
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	13	0.33
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	13	0.33
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	13	0.33
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	4	0.33
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	4	0.33
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	4	0.33
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	4	0.33
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	4	0.33
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	4	0.33
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	9	0.33
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	9	0.33
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	9	0.33
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	9	0.33
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	9	0.33
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	9	0.33
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	3	0.33
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	3	0.33
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	3	0.33
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	3	0.33
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	3	0.33
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	3	0.33
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	12	0.33
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	12	0.33
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	12	0.33
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	12	0.33
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	12	0.33
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	12	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:706:C:ASN:H	1:703:C:SER:HA	8	0.33
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	10	0.33
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	10	0.33
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	10	0.33
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	10	0.33
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	10	0.33
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	10	0.33
(1,192)	1:705:C:VAL:HG11	1:702:C:LEU:HA	7	0.33
(1,192)	1:705:C:VAL:HG12	1:702:C:LEU:HA	7	0.33
(1,192)	1:705:C:VAL:HG13	1:702:C:LEU:HA	7	0.33
(1,176)	1:704:C:LEU:H	1:701:C:VAL:HA	7	0.33
(1,172)	1:703:C:SER:H	1:700:C:ALA:HA	4	0.33
(1,172)	1:703:C:SER:H	1:700:C:ALA:HA	6	0.33
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	13	0.33
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	13	0.33
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	13	0.33
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	13	0.33
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	13	0.33
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	13	0.33
(1,160)	1:701:C:VAL:H	1:698:C:VAL:HA	11	0.33
(1,114)	1:687:C:ILE:HG21	1:691:C:SER:HG	3	0.33
(1,114)	1:687:C:ILE:HG22	1:691:C:SER:HG	3	0.33
(1,114)	1:687:C:ILE:HG23	1:691:C:SER:HG	3	0.33
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	13	0.33
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	13	0.33
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	13	0.33
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	13	0.33
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	13	0.33
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	13	0.33
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	4	0.33
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	4	0.33
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	4	0.33
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	4	0.33
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	4	0.33
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	4	0.33
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	9	0.33
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	9	0.33
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	9	0.33
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	9	0.33
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	9	0.33
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	9	0.33
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	3	0.33
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	3	0.33
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	3	0.33
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	3	0.33
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	3	0.33
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	7	0.33
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	7	0.33
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	7	0.33
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	7	0.33
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	7	0.33
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	7	0.33
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	7	0.33
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	7	0.33
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	7	0.33
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	7	0.33
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	7	0.33
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	7	0.33
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	7	0.33
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	7	0.33
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	7	0.33
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	7	0.33
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	7	0.33
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	7	0.33
(1,548)	1:708:C:VAL:H	1:705:C:VAL:HA	13	0.32
(1,532)	1:706:C:ASN:H	1:703:C:SER:HA	3	0.32
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	3	0.32
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	3	0.32
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	3	0.32
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	3	0.32
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	3	0.32
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	3	0.32
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	8	0.32
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	8	0.32
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	8	0.32
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	8	0.32
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	8	0.32
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	8	0.32
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	15	0.32
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	15	0.32
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	15	0.32
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	15	0.32
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	15	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	15	0.32
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	10	0.32
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	10	0.32
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	10	0.32
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	10	0.32
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	10	0.32
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	10	0.32
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	14	0.32
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	14	0.32
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	14	0.32
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	14	0.32
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	14	0.32
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	14	0.32
(1,480)	1:698:C:VAL:HG11	1:695:C:LEU:HA	10	0.32
(1,480)	1:698:C:VAL:HG12	1:695:C:LEU:HA	10	0.32
(1,480)	1:698:C:VAL:HG13	1:695:C:LEU:HA	10	0.32
(1,477)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	6	0.32
(1,477)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	6	0.32
(1,477)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	6	0.32
(1,477)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	6	0.32
(1,477)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	6	0.32
(1,477)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	6	0.32
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	2	0.32
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	2	0.32
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	2	0.32
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	2	0.32
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	2	0.32
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	2	0.32
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	13	0.32
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	13	0.32
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	13	0.32
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	13	0.32
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	13	0.32
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	13	0.32
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	12	0.32
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	12	0.32
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	12	0.32
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	12	0.32
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	12	0.32
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	12	0.32
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	13	0.32
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	13	0.32
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	13	0.32
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	13	0.32
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	13	0.32
(1,381)	1:708:C:VAL:H	1:705:C:VAL:HA	13	0.32
(1,365)	1:706:C:ASN:H	1:703:C:SER:HA	3	0.32
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	3	0.32
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	3	0.32
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	3	0.32
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	3	0.32
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	3	0.32
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	3	0.32
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	8	0.32
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	8	0.32
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	8	0.32
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	8	0.32
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	8	0.32
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	8	0.32
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	15	0.32
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	15	0.32
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	15	0.32
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	15	0.32
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	15	0.32
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	15	0.32
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	10	0.32
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	10	0.32
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	10	0.32
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	10	0.32
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	10	0.32
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	10	0.32
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	14	0.32
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	14	0.32
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	14	0.32
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	14	0.32
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	14	0.32
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	14	0.32
(1,313)	1:698:C:VAL:HG11	1:695:C:LEU:HA	10	0.32
(1,313)	1:698:C:VAL:HG12	1:695:C:LEU:HA	10	0.32
(1,313)	1:698:C:VAL:HG13	1:695:C:LEU:HA	10	0.32
(1,310)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	6	0.32
(1,310)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	6	0.32
(1,310)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,310)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	6	0.32
(1,310)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	6	0.32
(1,310)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	6	0.32
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	2	0.32
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	2	0.32
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	2	0.32
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	2	0.32
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	2	0.32
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	2	0.32
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	13	0.32
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	13	0.32
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	13	0.32
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	13	0.32
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	13	0.32
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	13	0.32
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	12	0.32
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	12	0.32
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	12	0.32
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	12	0.32
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	12	0.32
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	12	0.32
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	13	0.32
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	13	0.32
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	13	0.32
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	13	0.32
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	13	0.32
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	13	0.32
(1,214)	1:708:C:VAL:H	1:705:C:VAL:HA	13	0.32
(1,198)	1:706:C:ASN:H	1:703:C:SER:HA	3	0.32
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	3	0.32
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	3	0.32
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	3	0.32
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	3	0.32
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	3	0.32
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	3	0.32
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	8	0.32
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	8	0.32
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	8	0.32
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	8	0.32
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	8	0.32
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	8	0.32
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	15	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	15	0.32
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	15	0.32
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	15	0.32
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	15	0.32
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	15	0.32
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	10	0.32
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	10	0.32
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	10	0.32
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	10	0.32
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	10	0.32
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	10	0.32
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	14	0.32
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	14	0.32
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	14	0.32
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	14	0.32
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	14	0.32
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	14	0.32
(1,146)	1:698:C:VAL:HG11	1:695:C:LEU:HA	10	0.32
(1,146)	1:698:C:VAL:HG12	1:695:C:LEU:HA	10	0.32
(1,146)	1:698:C:VAL:HG13	1:695:C:LEU:HA	10	0.32
(1,143)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	6	0.32
(1,143)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	6	0.32
(1,143)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	6	0.32
(1,143)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	6	0.32
(1,143)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	6	0.32
(1,143)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	6	0.32
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	2	0.32
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	2	0.32
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	2	0.32
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	2	0.32
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	2	0.32
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	2	0.32
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	13	0.32
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	13	0.32
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	13	0.32
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	13	0.32
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	13	0.32
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	13	0.32
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	12	0.32
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	12	0.32
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	12	0.32
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	12	0.32
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	12	0.32
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	13	0.32
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	13	0.32
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	13	0.32
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	13	0.32
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	13	0.32
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	13	0.32
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	2	0.32
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	2	0.32
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	2	0.32
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	2	0.32
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	2	0.32
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	2	0.32
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	2	0.32
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	2	0.32
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	2	0.32
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	2	0.32
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	2	0.32
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	2	0.32
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	2	0.32
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	2	0.32
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	2	0.32
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	2	0.32
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	2	0.32
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	2	0.32
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	2	0.32
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	2	0.32
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	2	0.32
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	2	0.32
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	2	0.32
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	2	0.32
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	2	0.32
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	2	0.32
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	2	0.32
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	2	0.32
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	2	0.32
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	2	0.32
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	2	0.32
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	2	0.32
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	2	0.32
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	2	0.32
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	2	0.32
(1,570)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	6	0.31
(1,570)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	6	0.31
(1,570)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	6	0.31
(1,570)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	6	0.31
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	8	0.31
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	8	0.31
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	8	0.31
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	8	0.31
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	8	0.31
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	8	0.31
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD2	5	0.31
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD3	5	0.31
(1,532)	1:706:C:ASN:H	1:703:C:SER:HA	2	0.31
(1,532)	1:706:C:ASN:H	1:703:C:SER:HA	12	0.31
(1,526)	1:705:C:VAL:HG11	1:702:C:LEU:HA	1	0.31
(1,526)	1:705:C:VAL:HG12	1:702:C:LEU:HA	1	0.31
(1,526)	1:705:C:VAL:HG13	1:702:C:LEU:HA	1	0.31
(1,526)	1:705:C:VAL:HG11	1:702:C:LEU:HA	12	0.31
(1,526)	1:705:C:VAL:HG12	1:702:C:LEU:HA	12	0.31
(1,526)	1:705:C:VAL:HG13	1:702:C:LEU:HA	12	0.31
(1,526)	1:705:C:VAL:HG11	1:702:C:LEU:HA	15	0.31
(1,526)	1:705:C:VAL:HG12	1:702:C:LEU:HA	15	0.31
(1,526)	1:705:C:VAL:HG13	1:702:C:LEU:HA	15	0.31
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	5	0.31
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	5	0.31
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	5	0.31
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	5	0.31
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	5	0.31
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	5	0.31
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	12	0.31
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	12	0.31
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	12	0.31
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	12	0.31
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	12	0.31
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	12	0.31
(1,510)	1:704:C:LEU:H	1:701:C:VAL:HA	3	0.31
(1,510)	1:704:C:LEU:H	1:701:C:VAL:HA	15	0.31
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	5	0.31
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	5	0.31
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	5	0.31
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	5	0.31
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	5	0.31
(1,494)	1:701:C:VAL:H	1:698:C:VAL:HA	5	0.31
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	14	0.31
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	14	0.31
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	14	0.31
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	14	0.31
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	14	0.31
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	14	0.31
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	14	0.31
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	14	0.31
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	14	0.31
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB2	9	0.31
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB3	9	0.31
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB2	9	0.31
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB3	9	0.31
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB2	9	0.31
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB3	9	0.31
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	7	0.31
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	7	0.31
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	7	0.31
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	7	0.31
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	7	0.31
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	7	0.31
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	7	0.31
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	7	0.31
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	7	0.31
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	7	0.31
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	7	0.31
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	7	0.31
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	8	0.31
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	8	0.31
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	8	0.31
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	8	0.31
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	8	0.31
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	8	0.31
(1,422)	1:681:C:TYR:H	1:680:C:TRP:HE3	10	0.31
(1,403)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	6	0.31
(1,403)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	6	0.31
(1,403)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	6	0.31
(1,403)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	8	0.31
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	8	0.31
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	8	0.31
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	8	0.31
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	8	0.31
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	8	0.31
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD2	5	0.31
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD3	5	0.31
(1,365)	1:706:C:ASN:H	1:703:C:SER:HA	2	0.31
(1,365)	1:706:C:ASN:H	1:703:C:SER:HA	12	0.31
(1,359)	1:705:C:VAL:HG11	1:702:C:LEU:HA	1	0.31
(1,359)	1:705:C:VAL:HG12	1:702:C:LEU:HA	1	0.31
(1,359)	1:705:C:VAL:HG13	1:702:C:LEU:HA	1	0.31
(1,359)	1:705:C:VAL:HG11	1:702:C:LEU:HA	12	0.31
(1,359)	1:705:C:VAL:HG12	1:702:C:LEU:HA	12	0.31
(1,359)	1:705:C:VAL:HG13	1:702:C:LEU:HA	12	0.31
(1,359)	1:705:C:VAL:HG11	1:702:C:LEU:HA	15	0.31
(1,359)	1:705:C:VAL:HG12	1:702:C:LEU:HA	15	0.31
(1,359)	1:705:C:VAL:HG13	1:702:C:LEU:HA	15	0.31
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	5	0.31
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	5	0.31
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	5	0.31
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	5	0.31
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	5	0.31
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	5	0.31
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	12	0.31
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	12	0.31
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	12	0.31
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	12	0.31
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	12	0.31
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	12	0.31
(1,343)	1:704:C:LEU:H	1:701:C:VAL:HA	3	0.31
(1,343)	1:704:C:LEU:H	1:701:C:VAL:HA	15	0.31
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	5	0.31
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	5	0.31
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	5	0.31
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	5	0.31
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	5	0.31
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	5	0.31
(1,327)	1:701:C:VAL:H	1:698:C:VAL:HA	5	0.31
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	14	0.31
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	14	0.31
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	14	0.31
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	14	0.31
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	14	0.31
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	14	0.31
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	14	0.31
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	14	0.31
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB2	9	0.31
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB3	9	0.31
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB2	9	0.31
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB3	9	0.31
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB2	9	0.31
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB3	9	0.31
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	7	0.31
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	7	0.31
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	7	0.31
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	7	0.31
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	7	0.31
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	7	0.31
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	7	0.31
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	7	0.31
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	7	0.31
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	7	0.31
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	7	0.31
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	7	0.31
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	8	0.31
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	8	0.31
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	8	0.31
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	8	0.31
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	8	0.31
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	8	0.31
(1,255)	1:681:C:TYR:H	1:680:C:TRP:HE3	10	0.31
(1,236)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	6	0.31
(1,236)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	6	0.31
(1,236)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	6	0.31
(1,236)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	6	0.31
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	8	0.31
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	8	0.31
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	8	0.31
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	8	0.31
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	8	0.31
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD2	5	0.31
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD3	5	0.31
(1,198)	1:706:C:ASN:H	1:703:C:SER:HA	2	0.31
(1,198)	1:706:C:ASN:H	1:703:C:SER:HA	12	0.31
(1,192)	1:705:C:VAL:HG11	1:702:C:LEU:HA	1	0.31
(1,192)	1:705:C:VAL:HG12	1:702:C:LEU:HA	1	0.31
(1,192)	1:705:C:VAL:HG13	1:702:C:LEU:HA	1	0.31
(1,192)	1:705:C:VAL:HG11	1:702:C:LEU:HA	12	0.31
(1,192)	1:705:C:VAL:HG12	1:702:C:LEU:HA	12	0.31
(1,192)	1:705:C:VAL:HG13	1:702:C:LEU:HA	12	0.31
(1,192)	1:705:C:VAL:HG11	1:702:C:LEU:HA	15	0.31
(1,192)	1:705:C:VAL:HG12	1:702:C:LEU:HA	15	0.31
(1,192)	1:705:C:VAL:HG13	1:702:C:LEU:HA	15	0.31
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	5	0.31
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	5	0.31
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	5	0.31
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	5	0.31
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	5	0.31
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	5	0.31
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	12	0.31
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	12	0.31
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	12	0.31
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	12	0.31
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	12	0.31
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	12	0.31
(1,176)	1:704:C:LEU:H	1:701:C:VAL:HA	3	0.31
(1,176)	1:704:C:LEU:H	1:701:C:VAL:HA	15	0.31
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	5	0.31
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	5	0.31
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	5	0.31
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	5	0.31
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	5	0.31
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	5	0.31
(1,160)	1:701:C:VAL:H	1:698:C:VAL:HA	5	0.31
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	14	0.31
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	14	0.31
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	14	0.31
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	14	0.31
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	14	0.31
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	14	0.31
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	14	0.31
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	14	0.31
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB2	9	0.31
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB3	9	0.31
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB2	9	0.31
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB3	9	0.31
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB2	9	0.31
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB3	9	0.31
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	7	0.31
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	7	0.31
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	7	0.31
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	7	0.31
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	7	0.31
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	7	0.31
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	7	0.31
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	7	0.31
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	7	0.31
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	7	0.31
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	7	0.31
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	7	0.31
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	8	0.31
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	8	0.31
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	8	0.31
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	8	0.31
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	8	0.31
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	8	0.31
(1,88)	1:681:C:TYR:H	1:680:C:TRP:HE3	10	0.31
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	10	0.31
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	10	0.31
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	10	0.31
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	10	0.31
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	10	0.31
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	10	0.31
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	10	0.31
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	10	0.31
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	10	0.31
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	10	0.31
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	10	0.31
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	10	0.31
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	10	0.31
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	10	0.31
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	10	0.31
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	10	0.31
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	10	0.31
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	10	0.31
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	10	0.31
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	10	0.31
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	10	0.31
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	10	0.31
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	10	0.31
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	11	0.31
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	11	0.31
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	11	0.31
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	11	0.31
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	11	0.31
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	11	0.31
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	10	0.31
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	10	0.31
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	10	0.31
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	10	0.31
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	10	0.31
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	10	0.31
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	11	0.31
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	11	0.31
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	11	0.31
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	11	0.31
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	11	0.31
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	11	0.31
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	10	0.31
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	10	0.31
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	10	0.31
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	10	0.31
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	10	0.31
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	10	0.31
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	11	0.31
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	11	0.31
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	11	0.31
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	11	0.31
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	11	0.31
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	11	0.31
(1,571)	1:711:C:GLY:H	1:707:C:ARG:HG2	2	0.3
(1,571)	1:711:C:GLY:H	1:707:C:ARG:HG3	2	0.3
(1,548)	1:708:C:VAL:H	1:705:C:VAL:HA	14	0.3
(1,548)	1:708:C:VAL:H	1:705:C:VAL:HA	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,521)	1:705:C:VAL:H	1:702:C:LEU:HA	8	0.3
(1,510)	1:704:C:LEU:H	1:701:C:VAL:HA	10	0.3
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	6	0.3
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	6	0.3
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	6	0.3
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	6	0.3
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	6	0.3
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	6	0.3
(1,435)	1:684:C:ILE:HG21	1:681:C:TYR:HA	3	0.3
(1,435)	1:684:C:ILE:HG22	1:681:C:TYR:HA	3	0.3
(1,435)	1:684:C:ILE:HG23	1:681:C:TYR:HA	3	0.3
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	2	0.3
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	2	0.3
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	2	0.3
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	2	0.3
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	2	0.3
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	2	0.3
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	3	0.3
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	3	0.3
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	3	0.3
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	3	0.3
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	3	0.3
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	3	0.3
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	11	0.3
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	11	0.3
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	11	0.3
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	11	0.3
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	11	0.3
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	11	0.3
(1,426)	1:682:C:ILE:HD11	1:681:C:TYR:H	6	0.3
(1,426)	1:682:C:ILE:HD12	1:681:C:TYR:H	6	0.3
(1,426)	1:682:C:ILE:HD13	1:681:C:TYR:H	6	0.3
(1,419)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	1	0.3
(1,419)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	1	0.3
(1,419)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	1	0.3
(1,419)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	1	0.3
(1,419)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	1	0.3
(1,419)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	1	0.3
(1,404)	1:711:C:GLY:H	1:707:C:ARG:HG2	2	0.3
(1,404)	1:711:C:GLY:H	1:707:C:ARG:HG3	2	0.3
(1,381)	1:708:C:VAL:H	1:705:C:VAL:HA	14	0.3
(1,381)	1:708:C:VAL:H	1:705:C:VAL:HA	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:705:C:VAL:H	1:702:C:LEU:HA	8	0.3
(1,343)	1:704:C:LEU:H	1:701:C:VAL:HA	10	0.3
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	6	0.3
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	6	0.3
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	6	0.3
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	6	0.3
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	6	0.3
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	6	0.3
(1,268)	1:684:C:ILE:HG21	1:681:C:TYR:HA	3	0.3
(1,268)	1:684:C:ILE:HG22	1:681:C:TYR:HA	3	0.3
(1,268)	1:684:C:ILE:HG23	1:681:C:TYR:HA	3	0.3
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	2	0.3
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	2	0.3
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	2	0.3
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	2	0.3
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	2	0.3
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	2	0.3
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	3	0.3
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	3	0.3
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	3	0.3
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	3	0.3
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	3	0.3
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	3	0.3
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	11	0.3
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	11	0.3
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	11	0.3
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	11	0.3
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	11	0.3
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	11	0.3
(1,259)	1:682:C:ILE:HD11	1:681:C:TYR:H	6	0.3
(1,259)	1:682:C:ILE:HD12	1:681:C:TYR:H	6	0.3
(1,259)	1:682:C:ILE:HD13	1:681:C:TYR:H	6	0.3
(1,252)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	1	0.3
(1,252)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	1	0.3
(1,252)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	1	0.3
(1,252)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	1	0.3
(1,252)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	1	0.3
(1,252)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	1	0.3
(1,237)	1:711:C:GLY:H	1:707:C:ARG:HG2	2	0.3
(1,237)	1:711:C:GLY:H	1:707:C:ARG:HG3	2	0.3
(1,214)	1:708:C:VAL:H	1:705:C:VAL:HA	14	0.3
(1,214)	1:708:C:VAL:H	1:705:C:VAL:HA	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,187)	1:705:C:VAL:H	1:702:C:LEU:HA	8	0.3
(1,176)	1:704:C:LEU:H	1:701:C:VAL:HA	10	0.3
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	6	0.3
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	6	0.3
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	6	0.3
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	6	0.3
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	6	0.3
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	6	0.3
(1,101)	1:684:C:ILE:HG21	1:681:C:TYR:HA	3	0.3
(1,101)	1:684:C:ILE:HG22	1:681:C:TYR:HA	3	0.3
(1,101)	1:684:C:ILE:HG23	1:681:C:TYR:HA	3	0.3
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	2	0.3
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	2	0.3
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	2	0.3
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	2	0.3
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	2	0.3
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	2	0.3
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	3	0.3
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	3	0.3
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	3	0.3
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	3	0.3
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	3	0.3
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	3	0.3
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	11	0.3
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	11	0.3
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	11	0.3
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	11	0.3
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	11	0.3
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	11	0.3
(1,92)	1:682:C:ILE:HD11	1:681:C:TYR:H	6	0.3
(1,92)	1:682:C:ILE:HD12	1:681:C:TYR:H	6	0.3
(1,92)	1:682:C:ILE:HD13	1:681:C:TYR:H	6	0.3
(1,85)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	1	0.3
(1,85)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	1	0.3
(1,85)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	1	0.3
(1,85)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	1	0.3
(1,85)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	1	0.3
(1,85)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	1	0.3
(1,75)	1:710:C:GLN:HE21	1:707:C:ARG:HE	11	0.3
(1,75)	1:710:C:GLN:HE22	1:707:C:ARG:HE	11	0.3
(1,74)	1:710:C:GLN:HE21	1:707:C:ARG:HE	11	0.3
(1,74)	1:710:C:GLN:HE22	1:707:C:ARG:HE	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,73)	1:710:C:GLN:HE21	1:707:C:ARG:HE	11	0.3
(1,73)	1:710:C:GLN:HE22	1:707:C:ARG:HE	11	0.3
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	9	0.3
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	9	0.3
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	9	0.3
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	9	0.3
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	9	0.3
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	9	0.3
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	9	0.3
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	9	0.3
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	9	0.3
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	9	0.3
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	9	0.3
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	9	0.3
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	9	0.3
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	9	0.3
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	9	0.3
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	9	0.3
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	9	0.3
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	9	0.3
(1,571)	1:711:C:GLY:H	1:707:C:ARG:HG2	1	0.29
(1,571)	1:711:C:GLY:H	1:707:C:ARG:HG3	1	0.29
(1,548)	1:708:C:VAL:H	1:705:C:VAL:HA	1	0.29
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD2	3	0.29
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD3	3	0.29
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	4	0.29
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	4	0.29
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	4	0.29
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	4	0.29
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	4	0.29
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	4	0.29
(1,526)	1:705:C:VAL:HG11	1:702:C:LEU:HA	5	0.29
(1,526)	1:705:C:VAL:HG12	1:702:C:LEU:HA	5	0.29
(1,526)	1:705:C:VAL:HG13	1:702:C:LEU:HA	5	0.29
(1,526)	1:705:C:VAL:HG11	1:702:C:LEU:HA	14	0.29
(1,526)	1:705:C:VAL:HG12	1:702:C:LEU:HA	14	0.29
(1,526)	1:705:C:VAL:HG13	1:702:C:LEU:HA	14	0.29
(1,510)	1:704:C:LEU:H	1:701:C:VAL:HA	6	0.29
(1,499)	1:702:C:LEU:H	1:699:C:PHE:HA	6	0.29
(1,483)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	2	0.29
(1,483)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	2	0.29
(1,483)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,483)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	2	0.29
(1,483)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	2	0.29
(1,483)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	2	0.29
(1,477)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	4	0.29
(1,477)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	4	0.29
(1,477)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	4	0.29
(1,477)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	4	0.29
(1,477)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	4	0.29
(1,477)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	4	0.29
(1,467)	1:695:C:LEU:H	1:691:C:SER:HA	14	0.29
(1,465)	1:693:C:ILE:HG21	1:694:C:GLY:H	9	0.29
(1,465)	1:693:C:ILE:HG22	1:694:C:GLY:H	9	0.29
(1,465)	1:693:C:ILE:HG23	1:694:C:GLY:H	9	0.29
(1,465)	1:693:C:ILE:HG21	1:694:C:GLY:H	13	0.29
(1,465)	1:693:C:ILE:HG22	1:694:C:GLY:H	13	0.29
(1,465)	1:693:C:ILE:HG23	1:694:C:GLY:H	13	0.29
(1,435)	1:684:C:ILE:HG21	1:681:C:TYR:HA	6	0.29
(1,435)	1:684:C:ILE:HG22	1:681:C:TYR:HA	6	0.29
(1,435)	1:684:C:ILE:HG23	1:681:C:TYR:HA	6	0.29
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	2	0.29
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	2	0.29
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	2	0.29
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	2	0.29
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	2	0.29
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	2	0.29
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	3	0.29
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	3	0.29
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	3	0.29
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	3	0.29
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	3	0.29
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	3	0.29
(1,426)	1:682:C:ILE:HD11	1:681:C:TYR:H	5	0.29
(1,426)	1:682:C:ILE:HD12	1:681:C:TYR:H	5	0.29
(1,426)	1:682:C:ILE:HD13	1:681:C:TYR:H	5	0.29
(1,423)	1:682:C:ILE:HG21	1:679:C:LEU:H	3	0.29
(1,423)	1:682:C:ILE:HG22	1:679:C:LEU:H	3	0.29
(1,423)	1:682:C:ILE:HG23	1:679:C:LEU:H	3	0.29
(1,421)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	5	0.29
(1,421)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	5	0.29
(1,421)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	5	0.29
(1,421)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	5	0.29
(1,421)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,421)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	5	0.29
(1,404)	1:711:C:GLY:H	1:707:C:ARG:HG2	1	0.29
(1,404)	1:711:C:GLY:H	1:707:C:ARG:HG3	1	0.29
(1,381)	1:708:C:VAL:H	1:705:C:VAL:HA	1	0.29
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD2	3	0.29
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD3	3	0.29
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	4	0.29
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	4	0.29
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	4	0.29
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	4	0.29
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	4	0.29
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	4	0.29
(1,359)	1:705:C:VAL:HG11	1:702:C:LEU:HA	5	0.29
(1,359)	1:705:C:VAL:HG12	1:702:C:LEU:HA	5	0.29
(1,359)	1:705:C:VAL:HG13	1:702:C:LEU:HA	5	0.29
(1,359)	1:705:C:VAL:HG11	1:702:C:LEU:HA	14	0.29
(1,359)	1:705:C:VAL:HG12	1:702:C:LEU:HA	14	0.29
(1,359)	1:705:C:VAL:HG13	1:702:C:LEU:HA	14	0.29
(1,343)	1:704:C:LEU:H	1:701:C:VAL:HA	6	0.29
(1,332)	1:702:C:LEU:H	1:699:C:PHE:HA	6	0.29
(1,316)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	2	0.29
(1,316)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	2	0.29
(1,316)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	2	0.29
(1,316)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	2	0.29
(1,316)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	2	0.29
(1,316)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	2	0.29
(1,310)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	4	0.29
(1,310)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	4	0.29
(1,310)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	4	0.29
(1,310)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	4	0.29
(1,310)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	4	0.29
(1,310)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	4	0.29
(1,300)	1:695:C:LEU:H	1:691:C:SER:HA	14	0.29
(1,298)	1:693:C:ILE:HG21	1:694:C:GLY:H	9	0.29
(1,298)	1:693:C:ILE:HG22	1:694:C:GLY:H	9	0.29
(1,298)	1:693:C:ILE:HG23	1:694:C:GLY:H	9	0.29
(1,298)	1:693:C:ILE:HG21	1:694:C:GLY:H	13	0.29
(1,298)	1:693:C:ILE:HG22	1:694:C:GLY:H	13	0.29
(1,298)	1:693:C:ILE:HG23	1:694:C:GLY:H	13	0.29
(1,268)	1:684:C:ILE:HG21	1:681:C:TYR:HA	6	0.29
(1,268)	1:684:C:ILE:HG22	1:681:C:TYR:HA	6	0.29
(1,268)	1:684:C:ILE:HG23	1:681:C:TYR:HA	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	2	0.29
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	2	0.29
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	2	0.29
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	2	0.29
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	2	0.29
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	2	0.29
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	3	0.29
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	3	0.29
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	3	0.29
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	3	0.29
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	3	0.29
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	3	0.29
(1,259)	1:682:C:ILE:HD11	1:681:C:TYR:H	5	0.29
(1,259)	1:682:C:ILE:HD12	1:681:C:TYR:H	5	0.29
(1,259)	1:682:C:ILE:HD13	1:681:C:TYR:H	5	0.29
(1,256)	1:682:C:ILE:HG21	1:679:C:LEU:H	3	0.29
(1,256)	1:682:C:ILE:HG22	1:679:C:LEU:H	3	0.29
(1,256)	1:682:C:ILE:HG23	1:679:C:LEU:H	3	0.29
(1,254)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	5	0.29
(1,254)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	5	0.29
(1,254)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	5	0.29
(1,254)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	5	0.29
(1,254)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	5	0.29
(1,254)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	5	0.29
(1,237)	1:711:C:GLY:H	1:707:C:ARG:HG2	1	0.29
(1,237)	1:711:C:GLY:H	1:707:C:ARG:HG3	1	0.29
(1,214)	1:708:C:VAL:H	1:705:C:VAL:HA	1	0.29
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD2	3	0.29
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD3	3	0.29
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	4	0.29
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	4	0.29
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	4	0.29
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	4	0.29
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	4	0.29
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	4	0.29
(1,192)	1:705:C:VAL:HG11	1:702:C:LEU:HA	5	0.29
(1,192)	1:705:C:VAL:HG12	1:702:C:LEU:HA	5	0.29
(1,192)	1:705:C:VAL:HG13	1:702:C:LEU:HA	5	0.29
(1,192)	1:705:C:VAL:HG11	1:702:C:LEU:HA	14	0.29
(1,192)	1:705:C:VAL:HG12	1:702:C:LEU:HA	14	0.29
(1,192)	1:705:C:VAL:HG13	1:702:C:LEU:HA	14	0.29
(1,176)	1:704:C:LEU:H	1:701:C:VAL:HA	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,165)	1:702:C:LEU:H	1:699:C:PHE:HA	6	0.29
(1,149)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	2	0.29
(1,149)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	2	0.29
(1,149)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	2	0.29
(1,149)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	2	0.29
(1,149)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	2	0.29
(1,149)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	2	0.29
(1,143)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	4	0.29
(1,143)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	4	0.29
(1,143)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	4	0.29
(1,143)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	4	0.29
(1,143)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	4	0.29
(1,143)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	4	0.29
(1,133)	1:695:C:LEU:H	1:691:C:SER:HA	14	0.29
(1,131)	1:693:C:ILE:HG21	1:694:C:GLY:H	9	0.29
(1,131)	1:693:C:ILE:HG22	1:694:C:GLY:H	9	0.29
(1,131)	1:693:C:ILE:HG23	1:694:C:GLY:H	9	0.29
(1,131)	1:693:C:ILE:HG21	1:694:C:GLY:H	13	0.29
(1,131)	1:693:C:ILE:HG22	1:694:C:GLY:H	13	0.29
(1,131)	1:693:C:ILE:HG23	1:694:C:GLY:H	13	0.29
(1,101)	1:684:C:ILE:HG21	1:681:C:TYR:HA	6	0.29
(1,101)	1:684:C:ILE:HG22	1:681:C:TYR:HA	6	0.29
(1,101)	1:684:C:ILE:HG23	1:681:C:TYR:HA	6	0.29
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	2	0.29
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	2	0.29
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	2	0.29
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	2	0.29
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	2	0.29
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	2	0.29
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	3	0.29
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	3	0.29
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	3	0.29
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	3	0.29
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	3	0.29
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	3	0.29
(1,92)	1:682:C:ILE:HD11	1:681:C:TYR:H	5	0.29
(1,92)	1:682:C:ILE:HD12	1:681:C:TYR:H	5	0.29
(1,92)	1:682:C:ILE:HD13	1:681:C:TYR:H	5	0.29
(1,89)	1:682:C:ILE:HG21	1:679:C:LEU:H	3	0.29
(1,89)	1:682:C:ILE:HG22	1:679:C:LEU:H	3	0.29
(1,89)	1:682:C:ILE:HG23	1:679:C:LEU:H	3	0.29
(1,87)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	5	0.29
(1,87)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	5	0.29
(1,87)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	5	0.29
(1,87)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	5	0.29
(1,87)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	5	0.29
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	1	0.29
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	1	0.29
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	1	0.29
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	1	0.29
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	1	0.29
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	1	0.29
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	8	0.29
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	8	0.29
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	8	0.29
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	8	0.29
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	8	0.29
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	8	0.29
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	11	0.29
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	11	0.29
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	11	0.29
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	11	0.29
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	11	0.29
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	11	0.29
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	12	0.29
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	12	0.29
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	12	0.29
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	12	0.29
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	12	0.29
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	12	0.29
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	1	0.29
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	1	0.29
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	1	0.29
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	1	0.29
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	1	0.29
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	1	0.29
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	8	0.29
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	8	0.29
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	8	0.29
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	8	0.29
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	8	0.29
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	8	0.29
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	11	0.29
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	11	0.29
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	11	0.29
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	11	0.29
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	11	0.29
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	12	0.29
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	12	0.29
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	12	0.29
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	12	0.29
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	12	0.29
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	12	0.29
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	1	0.29
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	1	0.29
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	1	0.29
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	1	0.29
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	1	0.29
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	1	0.29
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	8	0.29
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	8	0.29
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	8	0.29
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	8	0.29
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	8	0.29
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	8	0.29
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	11	0.29
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	11	0.29
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	11	0.29
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	11	0.29
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	11	0.29
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	11	0.29
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	12	0.29
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	12	0.29
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	12	0.29
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	12	0.29
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	12	0.29
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	12	0.29
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	9	0.29
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	9	0.29
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	9	0.29
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	9	0.29
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	9	0.29
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	9	0.29
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	9	0.29
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	9	0.29
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	9	0.29
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	9	0.29
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	9	0.29
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	9	0.29
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	9	0.29
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	9	0.29
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	9	0.29
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	9	0.29
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	9	0.29
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	7	0.28
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	7	0.28
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	7	0.28
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	7	0.28
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	7	0.28
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	7	0.28
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	14	0.28
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	14	0.28
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	14	0.28
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	14	0.28
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	14	0.28
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	14	0.28
(1,526)	1:705:C:VAL:HG11	1:702:C:LEU:HA	8	0.28
(1,526)	1:705:C:VAL:HG12	1:702:C:LEU:HA	8	0.28
(1,526)	1:705:C:VAL:HG13	1:702:C:LEU:HA	8	0.28
(1,521)	1:705:C:VAL:H	1:702:C:LEU:HA	5	0.28
(1,494)	1:701:C:VAL:H	1:698:C:VAL:HA	13	0.28
(1,494)	1:701:C:VAL:H	1:698:C:VAL:HA	14	0.28
(1,480)	1:698:C:VAL:HG11	1:695:C:LEU:HA	7	0.28
(1,480)	1:698:C:VAL:HG12	1:695:C:LEU:HA	7	0.28
(1,480)	1:698:C:VAL:HG13	1:695:C:LEU:HA	7	0.28
(1,459)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	7	0.28
(1,459)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	7	0.28
(1,450)	1:688:C:ILE:HG21	1:692:C:LEU:HG	3	0.28
(1,450)	1:688:C:ILE:HG22	1:692:C:LEU:HG	3	0.28
(1,450)	1:688:C:ILE:HG23	1:692:C:LEU:HG	3	0.28
(1,448)	1:687:C:ILE:HG21	1:691:C:SER:HG	10	0.28
(1,448)	1:687:C:ILE:HG22	1:691:C:SER:HG	10	0.28
(1,448)	1:687:C:ILE:HG23	1:691:C:SER:HG	10	0.28
(1,442)	1:684:C:ILE:HG21	1:688:C:ILE:H	14	0.28
(1,442)	1:684:C:ILE:HG22	1:688:C:ILE:H	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,442)	1:684:C:ILE:HG23	1:688:C:ILE:H	14	0.28
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	15	0.28
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	15	0.28
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	15	0.28
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	15	0.28
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	15	0.28
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	15	0.28
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	7	0.28
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	7	0.28
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	7	0.28
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	7	0.28
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	7	0.28
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	7	0.28
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	14	0.28
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	14	0.28
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	14	0.28
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	14	0.28
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	14	0.28
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	14	0.28
(1,359)	1:705:C:VAL:HG11	1:702:C:LEU:HA	8	0.28
(1,359)	1:705:C:VAL:HG12	1:702:C:LEU:HA	8	0.28
(1,359)	1:705:C:VAL:HG13	1:702:C:LEU:HA	8	0.28
(1,354)	1:705:C:VAL:H	1:702:C:LEU:HA	5	0.28
(1,327)	1:701:C:VAL:H	1:698:C:VAL:HA	13	0.28
(1,327)	1:701:C:VAL:H	1:698:C:VAL:HA	14	0.28
(1,313)	1:698:C:VAL:HG11	1:695:C:LEU:HA	7	0.28
(1,313)	1:698:C:VAL:HG12	1:695:C:LEU:HA	7	0.28
(1,313)	1:698:C:VAL:HG13	1:695:C:LEU:HA	7	0.28
(1,292)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	7	0.28
(1,292)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	7	0.28
(1,283)	1:688:C:ILE:HG21	1:692:C:LEU:HG	3	0.28
(1,283)	1:688:C:ILE:HG22	1:692:C:LEU:HG	3	0.28
(1,283)	1:688:C:ILE:HG23	1:692:C:LEU:HG	3	0.28
(1,281)	1:687:C:ILE:HG21	1:691:C:SER:HG	10	0.28
(1,281)	1:687:C:ILE:HG22	1:691:C:SER:HG	10	0.28
(1,281)	1:687:C:ILE:HG23	1:691:C:SER:HG	10	0.28
(1,275)	1:684:C:ILE:HG21	1:688:C:ILE:H	14	0.28
(1,275)	1:684:C:ILE:HG22	1:688:C:ILE:H	14	0.28
(1,275)	1:684:C:ILE:HG23	1:688:C:ILE:H	14	0.28
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	15	0.28
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	15	0.28
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	15	0.28
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	15	0.28
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	15	0.28
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	7	0.28
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	7	0.28
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	7	0.28
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	7	0.28
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	7	0.28
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	7	0.28
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	14	0.28
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	14	0.28
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	14	0.28
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	14	0.28
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	14	0.28
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	14	0.28
(1,192)	1:705:C:VAL:HG11	1:702:C:LEU:HA	8	0.28
(1,192)	1:705:C:VAL:HG12	1:702:C:LEU:HA	8	0.28
(1,192)	1:705:C:VAL:HG13	1:702:C:LEU:HA	8	0.28
(1,187)	1:705:C:VAL:H	1:702:C:LEU:HA	5	0.28
(1,160)	1:701:C:VAL:H	1:698:C:VAL:HA	13	0.28
(1,160)	1:701:C:VAL:H	1:698:C:VAL:HA	14	0.28
(1,146)	1:698:C:VAL:HG11	1:695:C:LEU:HA	7	0.28
(1,146)	1:698:C:VAL:HG12	1:695:C:LEU:HA	7	0.28
(1,146)	1:698:C:VAL:HG13	1:695:C:LEU:HA	7	0.28
(1,125)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	7	0.28
(1,125)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	7	0.28
(1,116)	1:688:C:ILE:HG21	1:692:C:LEU:HG	3	0.28
(1,116)	1:688:C:ILE:HG22	1:692:C:LEU:HG	3	0.28
(1,116)	1:688:C:ILE:HG23	1:692:C:LEU:HG	3	0.28
(1,114)	1:687:C:ILE:HG21	1:691:C:SER:HG	10	0.28
(1,114)	1:687:C:ILE:HG22	1:691:C:SER:HG	10	0.28
(1,114)	1:687:C:ILE:HG23	1:691:C:SER:HG	10	0.28
(1,108)	1:684:C:ILE:HG21	1:688:C:ILE:H	14	0.28
(1,108)	1:684:C:ILE:HG22	1:688:C:ILE:H	14	0.28
(1,108)	1:684:C:ILE:HG23	1:688:C:ILE:H	14	0.28
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	15	0.28
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	15	0.28
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	15	0.28
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	15	0.28
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	15	0.28
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	15	0.28
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	15	0.28
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	15	0.28
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	15	0.28
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	15	0.28
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	15	0.28
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	15	0.28
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	15	0.28
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	15	0.28
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	15	0.28
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	15	0.28
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	15	0.28
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	15	0.28
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	15	0.28
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	15	0.28
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	15	0.28
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	15	0.28
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	15	0.28
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD11	12	0.27
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD12	12	0.27
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD13	12	0.27
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD21	12	0.27
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD22	12	0.27
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD23	12	0.27
(1,521)	1:705:C:VAL:H	1:702:C:LEU:HA	7	0.27
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	13	0.27
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	13	0.27
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	13	0.27
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	13	0.27
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	13	0.27
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	13	0.27
(1,510)	1:704:C:LEU:H	1:701:C:VAL:HA	5	0.27
(1,480)	1:698:C:VAL:HG11	1:695:C:LEU:HA	2	0.27
(1,480)	1:698:C:VAL:HG12	1:695:C:LEU:HA	2	0.27
(1,480)	1:698:C:VAL:HG13	1:695:C:LEU:HA	2	0.27
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	8	0.27
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	8	0.27
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	8	0.27
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	8	0.27
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	8	0.27
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	8	0.27
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	8	0.27
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	8	0.27
(1,448)	1:687:C:ILE:HG21	1:691:C:SER:HG	13	0.27
(1,448)	1:687:C:ILE:HG22	1:691:C:SER:HG	13	0.27
(1,448)	1:687:C:ILE:HG23	1:691:C:SER:HG	13	0.27
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	7	0.27
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	7	0.27
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	7	0.27
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	7	0.27
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	7	0.27
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	7	0.27
(1,421)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	1	0.27
(1,421)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	1	0.27
(1,421)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	1	0.27
(1,421)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	1	0.27
(1,421)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	1	0.27
(1,421)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	1	0.27
(1,421)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	6	0.27
(1,421)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	6	0.27
(1,421)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	6	0.27
(1,421)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	6	0.27
(1,421)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	6	0.27
(1,421)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	6	0.27
(1,421)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	11	0.27
(1,421)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	11	0.27
(1,421)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	11	0.27
(1,421)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	11	0.27
(1,421)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	11	0.27
(1,421)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	11	0.27
(1,420)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	14	0.27
(1,420)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	14	0.27
(1,420)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	14	0.27
(1,420)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	14	0.27
(1,420)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	14	0.27
(1,420)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	14	0.27
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD11	12	0.27
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD12	12	0.27
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD13	12	0.27
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD21	12	0.27
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD22	12	0.27
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD23	12	0.27
(1,354)	1:705:C:VAL:H	1:702:C:LEU:HA	7	0.27
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	13	0.27
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	13	0.27
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	13	0.27
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	13	0.27
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	13	0.27
(1,343)	1:704:C:LEU:H	1:701:C:VAL:HA	5	0.27
(1,313)	1:698:C:VAL:HG11	1:695:C:LEU:HA	2	0.27
(1,313)	1:698:C:VAL:HG12	1:695:C:LEU:HA	2	0.27
(1,313)	1:698:C:VAL:HG13	1:695:C:LEU:HA	2	0.27
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	8	0.27
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	8	0.27
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	8	0.27
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	8	0.27
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	8	0.27
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	8	0.27
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	8	0.27
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	8	0.27
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	8	0.27
(1,281)	1:687:C:ILE:HG21	1:691:C:SER:HG	13	0.27
(1,281)	1:687:C:ILE:HG22	1:691:C:SER:HG	13	0.27
(1,281)	1:687:C:ILE:HG23	1:691:C:SER:HG	13	0.27
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	7	0.27
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	7	0.27
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	7	0.27
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	7	0.27
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	7	0.27
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	7	0.27
(1,254)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	1	0.27
(1,254)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	1	0.27
(1,254)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	1	0.27
(1,254)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	1	0.27
(1,254)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	1	0.27
(1,254)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	1	0.27
(1,254)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	6	0.27
(1,254)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	6	0.27
(1,254)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	6	0.27
(1,254)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	6	0.27
(1,254)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	6	0.27
(1,254)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	6	0.27
(1,254)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	11	0.27
(1,254)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	11	0.27
(1,254)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,254)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	11	0.27
(1,254)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	11	0.27
(1,254)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	11	0.27
(1,253)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	14	0.27
(1,253)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	14	0.27
(1,253)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	14	0.27
(1,253)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	14	0.27
(1,253)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	14	0.27
(1,253)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	14	0.27
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD11	12	0.27
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD12	12	0.27
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD13	12	0.27
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD21	12	0.27
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD22	12	0.27
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD23	12	0.27
(1,187)	1:705:C:VAL:H	1:702:C:LEU:HA	7	0.27
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	13	0.27
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	13	0.27
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	13	0.27
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	13	0.27
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	13	0.27
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	13	0.27
(1,176)	1:704:C:LEU:H	1:701:C:VAL:HA	5	0.27
(1,146)	1:698:C:VAL:HG11	1:695:C:LEU:HA	2	0.27
(1,146)	1:698:C:VAL:HG12	1:695:C:LEU:HA	2	0.27
(1,146)	1:698:C:VAL:HG13	1:695:C:LEU:HA	2	0.27
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	8	0.27
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	8	0.27
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	8	0.27
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	8	0.27
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	8	0.27
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	8	0.27
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	8	0.27
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	8	0.27
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	8	0.27
(1,114)	1:687:C:ILE:HG21	1:691:C:SER:HG	13	0.27
(1,114)	1:687:C:ILE:HG22	1:691:C:SER:HG	13	0.27
(1,114)	1:687:C:ILE:HG23	1:691:C:SER:HG	13	0.27
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	7	0.27
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	7	0.27
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	7	0.27
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	7	0.27
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	7	0.27
(1,87)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	1	0.27
(1,87)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	1	0.27
(1,87)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	1	0.27
(1,87)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	1	0.27
(1,87)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	1	0.27
(1,87)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	1	0.27
(1,87)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	6	0.27
(1,87)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	6	0.27
(1,87)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	6	0.27
(1,87)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	6	0.27
(1,87)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	6	0.27
(1,87)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	6	0.27
(1,87)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	11	0.27
(1,87)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	11	0.27
(1,87)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	11	0.27
(1,87)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	11	0.27
(1,87)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	11	0.27
(1,87)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	11	0.27
(1,86)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	14	0.27
(1,86)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	14	0.27
(1,86)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	14	0.27
(1,86)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	14	0.27
(1,86)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	14	0.27
(1,86)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	14	0.27
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	5	0.27
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	5	0.27
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	5	0.27
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	5	0.27
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	5	0.27
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	5	0.27
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	6	0.27
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	6	0.27
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	6	0.27
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	6	0.27
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	6	0.27
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	6	0.27
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	5	0.27
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	5	0.27
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	5	0.27
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	5	0.27
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	5	0.27
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	6	0.27
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	6	0.27
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	6	0.27
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	6	0.27
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	6	0.27
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	6	0.27
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	5	0.27
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	5	0.27
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	5	0.27
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	5	0.27
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	5	0.27
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	5	0.27
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	6	0.27
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	6	0.27
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	6	0.27
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	6	0.27
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	6	0.27
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	6	0.27
(1,571)	1:711:C:GLY:H	1:707:C:ARG:HG2	5	0.26
(1,571)	1:711:C:GLY:H	1:707:C:ARG:HG3	5	0.26
(1,570)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	7	0.26
(1,570)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	7	0.26
(1,570)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	7	0.26
(1,570)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	7	0.26
(1,570)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	10	0.26
(1,570)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	10	0.26
(1,570)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	10	0.26
(1,570)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	10	0.26
(1,562)	1:709:C:ARG:HE	1:709:C:ARG:H	13	0.26
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	3	0.26
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	3	0.26
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	3	0.26
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	3	0.26
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	3	0.26
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	3	0.26
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	10	0.26
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	10	0.26
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	10	0.26
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	10	0.26
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	10	0.26
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	13	0.26
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	13	0.26
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	13	0.26
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	13	0.26
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	13	0.26
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	13	0.26
(1,548)	1:708:C:VAL:H	1:705:C:VAL:HA	12	0.26
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD2	7	0.26
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD3	7	0.26
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD2	8	0.26
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD3	8	0.26
(1,526)	1:705:C:VAL:HG11	1:702:C:LEU:HA	4	0.26
(1,526)	1:705:C:VAL:HG12	1:702:C:LEU:HA	4	0.26
(1,526)	1:705:C:VAL:HG13	1:702:C:LEU:HA	4	0.26
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	1	0.26
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	1	0.26
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	1	0.26
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	1	0.26
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	1	0.26
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	1	0.26
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	2	0.26
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	2	0.26
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	2	0.26
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	2	0.26
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	2	0.26
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	2	0.26
(1,510)	1:704:C:LEU:H	1:701:C:VAL:HA	11	0.26
(1,510)	1:704:C:LEU:H	1:701:C:VAL:HA	12	0.26
(1,503)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	15	0.26
(1,503)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	15	0.26
(1,503)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	15	0.26
(1,503)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	15	0.26
(1,503)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	15	0.26
(1,503)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	15	0.26
(1,494)	1:701:C:VAL:H	1:698:C:VAL:HA	15	0.26
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	5	0.26
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	5	0.26
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	5	0.26
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	5	0.26
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	5	0.26
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	5	0.26
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	5	0.26
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	5	0.26
(1,477)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	2	0.26
(1,477)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	2	0.26
(1,477)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	2	0.26
(1,477)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	2	0.26
(1,477)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	2	0.26
(1,477)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	2	0.26
(1,465)	1:693:C:ILE:HG21	1:694:C:GLY:H	3	0.26
(1,465)	1:693:C:ILE:HG22	1:694:C:GLY:H	3	0.26
(1,465)	1:693:C:ILE:HG23	1:694:C:GLY:H	3	0.26
(1,448)	1:687:C:ILE:HG21	1:691:C:SER:HG	4	0.26
(1,448)	1:687:C:ILE:HG22	1:691:C:SER:HG	4	0.26
(1,448)	1:687:C:ILE:HG23	1:691:C:SER:HG	4	0.26
(1,448)	1:687:C:ILE:HG21	1:691:C:SER:HG	8	0.26
(1,448)	1:687:C:ILE:HG22	1:691:C:SER:HG	8	0.26
(1,448)	1:687:C:ILE:HG23	1:691:C:SER:HG	8	0.26
(1,448)	1:687:C:ILE:HG21	1:691:C:SER:HG	11	0.26
(1,448)	1:687:C:ILE:HG22	1:691:C:SER:HG	11	0.26
(1,448)	1:687:C:ILE:HG23	1:691:C:SER:HG	11	0.26
(1,448)	1:687:C:ILE:HG21	1:691:C:SER:HG	12	0.26
(1,448)	1:687:C:ILE:HG22	1:691:C:SER:HG	12	0.26
(1,448)	1:687:C:ILE:HG23	1:691:C:SER:HG	12	0.26
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	12	0.26
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	12	0.26
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	12	0.26
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	12	0.26
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	12	0.26
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	12	0.26
(1,404)	1:711:C:GLY:H	1:707:C:ARG:HG2	5	0.26
(1,404)	1:711:C:GLY:H	1:707:C:ARG:HG3	5	0.26
(1,403)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	7	0.26
(1,403)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	7	0.26
(1,403)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	7	0.26
(1,403)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	7	0.26
(1,403)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	10	0.26
(1,403)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	10	0.26
(1,403)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	10	0.26
(1,403)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	10	0.26
(1,395)	1:709:C:ARG:HE	1:709:C:ARG:H	13	0.26
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	3	0.26
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	3	0.26
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	3	0.26
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	3	0.26
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	3	0.26
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	10	0.26
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	10	0.26
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	10	0.26
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	10	0.26
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	10	0.26
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	10	0.26
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	13	0.26
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	13	0.26
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	13	0.26
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	13	0.26
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	13	0.26
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	13	0.26
(1,381)	1:708:C:VAL:H	1:705:C:VAL:HA	12	0.26
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD2	7	0.26
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD3	7	0.26
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD2	8	0.26
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD3	8	0.26
(1,359)	1:705:C:VAL:HG11	1:702:C:LEU:HA	4	0.26
(1,359)	1:705:C:VAL:HG12	1:702:C:LEU:HA	4	0.26
(1,359)	1:705:C:VAL:HG13	1:702:C:LEU:HA	4	0.26
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	1	0.26
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	1	0.26
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	1	0.26
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	1	0.26
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	1	0.26
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	1	0.26
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	2	0.26
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	2	0.26
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	2	0.26
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	2	0.26
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	2	0.26
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	2	0.26
(1,343)	1:704:C:LEU:H	1:701:C:VAL:HA	11	0.26
(1,343)	1:704:C:LEU:H	1:701:C:VAL:HA	12	0.26
(1,336)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	15	0.26
(1,336)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	15	0.26
(1,336)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,336)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	15	0.26
(1,336)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	15	0.26
(1,336)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	15	0.26
(1,327)	1:701:C:VAL:H	1:698:C:VAL:HA	15	0.26
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	5	0.26
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	5	0.26
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	5	0.26
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	5	0.26
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	5	0.26
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	5	0.26
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	5	0.26
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	5	0.26
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	5	0.26
(1,310)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	2	0.26
(1,310)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	2	0.26
(1,310)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	2	0.26
(1,310)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	2	0.26
(1,310)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	2	0.26
(1,310)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	2	0.26
(1,298)	1:693:C:ILE:HG21	1:694:C:GLY:H	3	0.26
(1,298)	1:693:C:ILE:HG22	1:694:C:GLY:H	3	0.26
(1,298)	1:693:C:ILE:HG23	1:694:C:GLY:H	3	0.26
(1,281)	1:687:C:ILE:HG21	1:691:C:SER:HG	4	0.26
(1,281)	1:687:C:ILE:HG22	1:691:C:SER:HG	4	0.26
(1,281)	1:687:C:ILE:HG23	1:691:C:SER:HG	4	0.26
(1,281)	1:687:C:ILE:HG21	1:691:C:SER:HG	8	0.26
(1,281)	1:687:C:ILE:HG22	1:691:C:SER:HG	8	0.26
(1,281)	1:687:C:ILE:HG23	1:691:C:SER:HG	8	0.26
(1,281)	1:687:C:ILE:HG21	1:691:C:SER:HG	11	0.26
(1,281)	1:687:C:ILE:HG22	1:691:C:SER:HG	11	0.26
(1,281)	1:687:C:ILE:HG23	1:691:C:SER:HG	11	0.26
(1,281)	1:687:C:ILE:HG21	1:691:C:SER:HG	12	0.26
(1,281)	1:687:C:ILE:HG22	1:691:C:SER:HG	12	0.26
(1,281)	1:687:C:ILE:HG23	1:691:C:SER:HG	12	0.26
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	12	0.26
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	12	0.26
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	12	0.26
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	12	0.26
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	12	0.26
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	12	0.26
(1,237)	1:711:C:GLY:H	1:707:C:ARG:HG2	5	0.26
(1,237)	1:711:C:GLY:H	1:707:C:ARG:HG3	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,236)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	7	0.26
(1,236)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	7	0.26
(1,236)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	7	0.26
(1,236)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	7	0.26
(1,236)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	10	0.26
(1,236)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	10	0.26
(1,236)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	10	0.26
(1,236)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	10	0.26
(1,228)	1:709:C:ARG:HE	1:709:C:ARG:H	13	0.26
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	3	0.26
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	3	0.26
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	3	0.26
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	3	0.26
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	3	0.26
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	3	0.26
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	10	0.26
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	10	0.26
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	10	0.26
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	10	0.26
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	10	0.26
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	10	0.26
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	13	0.26
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	13	0.26
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	13	0.26
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	13	0.26
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	13	0.26
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	13	0.26
(1,214)	1:708:C:VAL:H	1:705:C:VAL:HA	12	0.26
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD2	7	0.26
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD3	7	0.26
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD2	8	0.26
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD3	8	0.26
(1,192)	1:705:C:VAL:HG11	1:702:C:LEU:HA	4	0.26
(1,192)	1:705:C:VAL:HG12	1:702:C:LEU:HA	4	0.26
(1,192)	1:705:C:VAL:HG13	1:702:C:LEU:HA	4	0.26
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	1	0.26
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	1	0.26
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	1	0.26
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	1	0.26
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	1	0.26
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	1	0.26
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	2	0.26
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	2	0.26
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	2	0.26
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	2	0.26
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	2	0.26
(1,176)	1:704:C:LEU:H	1:701:C:VAL:HA	11	0.26
(1,176)	1:704:C:LEU:H	1:701:C:VAL:HA	12	0.26
(1,169)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	15	0.26
(1,169)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	15	0.26
(1,169)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	15	0.26
(1,169)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	15	0.26
(1,169)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	15	0.26
(1,169)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	15	0.26
(1,160)	1:701:C:VAL:H	1:698:C:VAL:HA	15	0.26
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	5	0.26
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	5	0.26
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	5	0.26
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	5	0.26
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	5	0.26
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	5	0.26
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	5	0.26
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	5	0.26
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	5	0.26
(1,143)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	2	0.26
(1,143)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	2	0.26
(1,143)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	2	0.26
(1,143)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	2	0.26
(1,143)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	2	0.26
(1,143)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	2	0.26
(1,131)	1:693:C:ILE:HG21	1:694:C:GLY:H	3	0.26
(1,131)	1:693:C:ILE:HG22	1:694:C:GLY:H	3	0.26
(1,131)	1:693:C:ILE:HG23	1:694:C:GLY:H	3	0.26
(1,114)	1:687:C:ILE:HG21	1:691:C:SER:HG	4	0.26
(1,114)	1:687:C:ILE:HG22	1:691:C:SER:HG	4	0.26
(1,114)	1:687:C:ILE:HG23	1:691:C:SER:HG	4	0.26
(1,114)	1:687:C:ILE:HG21	1:691:C:SER:HG	8	0.26
(1,114)	1:687:C:ILE:HG22	1:691:C:SER:HG	8	0.26
(1,114)	1:687:C:ILE:HG23	1:691:C:SER:HG	8	0.26
(1,114)	1:687:C:ILE:HG21	1:691:C:SER:HG	11	0.26
(1,114)	1:687:C:ILE:HG22	1:691:C:SER:HG	11	0.26
(1,114)	1:687:C:ILE:HG23	1:691:C:SER:HG	11	0.26
(1,114)	1:687:C:ILE:HG21	1:691:C:SER:HG	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:687:C:ILE:HG22	1:691:C:SER:HG	12	0.26
(1,114)	1:687:C:ILE:HG23	1:691:C:SER:HG	12	0.26
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	12	0.26
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	12	0.26
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	12	0.26
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	12	0.26
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	12	0.26
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	12	0.26
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	7	0.26
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	7	0.26
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	7	0.26
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	7	0.26
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	7	0.26
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	7	0.26
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	7	0.26
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	7	0.26
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	7	0.26
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	7	0.26
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	7	0.26
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	7	0.26
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	7	0.26
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	7	0.26
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	7	0.26
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	7	0.26
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	7	0.26
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	7	0.26
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	9	0.25
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	9	0.25
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	9	0.25
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	9	0.25
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	9	0.25
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	9	0.25
(1,548)	1:708:C:VAL:H	1:705:C:VAL:HA	5	0.25
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG2	12	0.25
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG3	12	0.25
(1,510)	1:704:C:LEU:H	1:701:C:VAL:HA	8	0.25
(1,499)	1:702:C:LEU:H	1:699:C:PHE:HA	3	0.25
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	10	0.25
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	10	0.25
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	10	0.25
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	10	0.25
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	10	0.25
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	10	0.25
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	10	0.25
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	10	0.25
(1,477)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	9	0.25
(1,477)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	9	0.25
(1,477)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	9	0.25
(1,477)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	9	0.25
(1,477)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	9	0.25
(1,477)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	9	0.25
(1,477)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	11	0.25
(1,477)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	11	0.25
(1,477)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	11	0.25
(1,477)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	11	0.25
(1,477)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	11	0.25
(1,477)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	11	0.25
(1,476)	1:696:C:ARG:H	1:696:C:ARG:HE	1	0.25
(1,473)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	9	0.25
(1,473)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	9	0.25
(1,473)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	9	0.25
(1,473)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	9	0.25
(1,473)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	9	0.25
(1,473)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	9	0.25
(1,470)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	7	0.25
(1,470)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	7	0.25
(1,470)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	7	0.25
(1,470)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	7	0.25
(1,470)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	7	0.25
(1,470)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	7	0.25
(1,467)	1:695:C:LEU:H	1:691:C:SER:HA	1	0.25
(1,450)	1:688:C:ILE:HG21	1:692:C:LEU:HG	12	0.25
(1,450)	1:688:C:ILE:HG22	1:692:C:LEU:HG	12	0.25
(1,450)	1:688:C:ILE:HG23	1:692:C:LEU:HG	12	0.25
(1,435)	1:684:C:ILE:HG21	1:681:C:TYR:HA	9	0.25
(1,435)	1:684:C:ILE:HG22	1:681:C:TYR:HA	9	0.25
(1,435)	1:684:C:ILE:HG23	1:681:C:TYR:HA	9	0.25
(1,431)	1:684:C:ILE:HD11	1:681:C:TYR:HA	6	0.25
(1,431)	1:684:C:ILE:HD12	1:681:C:TYR:HA	6	0.25
(1,431)	1:684:C:ILE:HD13	1:681:C:TYR:HA	6	0.25
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	1	0.25
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	1	0.25
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	1	0.25
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	1	0.25
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	1	0.25
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	2	0.25
(1,425)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	2	0.25
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	2	0.25
(1,425)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	2	0.25
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	2	0.25
(1,425)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	2	0.25
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	9	0.25
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	9	0.25
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	9	0.25
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	9	0.25
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	9	0.25
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	9	0.25
(1,381)	1:708:C:VAL:H	1:705:C:VAL:HA	5	0.25
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG2	12	0.25
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG3	12	0.25
(1,343)	1:704:C:LEU:H	1:701:C:VAL:HA	8	0.25
(1,332)	1:702:C:LEU:H	1:699:C:PHE:HA	3	0.25
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	10	0.25
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	10	0.25
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	10	0.25
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	10	0.25
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	10	0.25
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	10	0.25
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	10	0.25
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	10	0.25
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	10	0.25
(1,310)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	9	0.25
(1,310)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	9	0.25
(1,310)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	9	0.25
(1,310)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	9	0.25
(1,310)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	9	0.25
(1,310)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	9	0.25
(1,310)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	11	0.25
(1,310)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	11	0.25
(1,310)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	11	0.25
(1,310)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	11	0.25
(1,310)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	11	0.25
(1,310)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	11	0.25
(1,309)	1:696:C:ARG:H	1:696:C:ARG:HE	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,306)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	9	0.25
(1,306)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	9	0.25
(1,306)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	9	0.25
(1,306)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	9	0.25
(1,306)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	9	0.25
(1,306)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	9	0.25
(1,303)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	7	0.25
(1,303)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	7	0.25
(1,303)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	7	0.25
(1,303)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	7	0.25
(1,303)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	7	0.25
(1,303)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	7	0.25
(1,300)	1:695:C:LEU:H	1:691:C:SER:HA	1	0.25
(1,283)	1:688:C:ILE:HG21	1:692:C:LEU:HG	12	0.25
(1,283)	1:688:C:ILE:HG22	1:692:C:LEU:HG	12	0.25
(1,283)	1:688:C:ILE:HG23	1:692:C:LEU:HG	12	0.25
(1,268)	1:684:C:ILE:HG21	1:681:C:TYR:HA	9	0.25
(1,268)	1:684:C:ILE:HG22	1:681:C:TYR:HA	9	0.25
(1,268)	1:684:C:ILE:HG23	1:681:C:TYR:HA	9	0.25
(1,264)	1:684:C:ILE:HD11	1:681:C:TYR:HA	6	0.25
(1,264)	1:684:C:ILE:HD12	1:681:C:TYR:HA	6	0.25
(1,264)	1:684:C:ILE:HD13	1:681:C:TYR:HA	6	0.25
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	1	0.25
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	1	0.25
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	1	0.25
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	1	0.25
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	1	0.25
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	1	0.25
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	2	0.25
(1,258)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	2	0.25
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	2	0.25
(1,258)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	2	0.25
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	2	0.25
(1,258)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	2	0.25
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	9	0.25
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	9	0.25
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	9	0.25
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	9	0.25
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	9	0.25
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	9	0.25
(1,214)	1:708:C:VAL:H	1:705:C:VAL:HA	5	0.25
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG2	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG3	12	0.25
(1,176)	1:704:C:LEU:H	1:701:C:VAL:HA	8	0.25
(1,165)	1:702:C:LEU:H	1:699:C:PHE:HA	3	0.25
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	10	0.25
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	10	0.25
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	10	0.25
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	10	0.25
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	10	0.25
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	10	0.25
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	10	0.25
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	10	0.25
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	10	0.25
(1,143)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	9	0.25
(1,143)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	9	0.25
(1,143)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	9	0.25
(1,143)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	9	0.25
(1,143)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	9	0.25
(1,143)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	9	0.25
(1,143)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	11	0.25
(1,143)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	11	0.25
(1,143)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	11	0.25
(1,143)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	11	0.25
(1,143)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	11	0.25
(1,143)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	11	0.25
(1,142)	1:696:C:ARG:H	1:696:C:ARG:HE	1	0.25
(1,139)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	9	0.25
(1,139)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	9	0.25
(1,139)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	9	0.25
(1,139)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	9	0.25
(1,139)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	9	0.25
(1,139)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	9	0.25
(1,136)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	7	0.25
(1,136)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	7	0.25
(1,136)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	7	0.25
(1,136)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	7	0.25
(1,136)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	7	0.25
(1,136)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	7	0.25
(1,133)	1:695:C:LEU:H	1:691:C:SER:HA	1	0.25
(1,116)	1:688:C:ILE:HG21	1:692:C:LEU:HG	12	0.25
(1,116)	1:688:C:ILE:HG22	1:692:C:LEU:HG	12	0.25
(1,116)	1:688:C:ILE:HG23	1:692:C:LEU:HG	12	0.25
(1,101)	1:684:C:ILE:HG21	1:681:C:TYR:HA	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:684:C:ILE:HG22	1:681:C:TYR:HA	9	0.25
(1,101)	1:684:C:ILE:HG23	1:681:C:TYR:HA	9	0.25
(1,97)	1:684:C:ILE:HD11	1:681:C:TYR:HA	6	0.25
(1,97)	1:684:C:ILE:HD12	1:681:C:TYR:HA	6	0.25
(1,97)	1:684:C:ILE:HD13	1:681:C:TYR:HA	6	0.25
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	1	0.25
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	1	0.25
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	1	0.25
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	1	0.25
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	1	0.25
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	1	0.25
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	2	0.25
(1,91)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	2	0.25
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	2	0.25
(1,91)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	2	0.25
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	2	0.25
(1,91)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	2	0.25
(1,562)	1:709:C:ARG:HE	1:709:C:ARG:H	12	0.24
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	5	0.24
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	5	0.24
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	5	0.24
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	5	0.24
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	5	0.24
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	5	0.24
(1,539)	1:707:C:ARG:H	1:704:C:LEU:HA	10	0.24
(1,532)	1:706:C:ASN:H	1:703:C:SER:HA	9	0.24
(1,532)	1:706:C:ASN:H	1:703:C:SER:HA	15	0.24
(1,528)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	4	0.24
(1,528)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	4	0.24
(1,528)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	4	0.24
(1,528)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	4	0.24
(1,528)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	4	0.24
(1,528)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	4	0.24
(1,521)	1:705:C:VAL:H	1:702:C:LEU:HA	1	0.24
(1,521)	1:705:C:VAL:H	1:702:C:LEU:HA	6	0.24
(1,521)	1:705:C:VAL:H	1:702:C:LEU:HA	10	0.24
(1,521)	1:705:C:VAL:H	1:702:C:LEU:HA	14	0.24
(1,521)	1:705:C:VAL:H	1:702:C:LEU:HA	15	0.24
(1,510)	1:704:C:LEU:H	1:701:C:VAL:HA	2	0.24
(1,499)	1:702:C:LEU:H	1:699:C:PHE:HA	15	0.24
(1,498)	1:701:C:VAL:HG21	1:698:C:VAL:HA	4	0.24
(1,498)	1:701:C:VAL:HG22	1:698:C:VAL:HA	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,498)	1:701:C:VAL:HG23	1:698:C:VAL:HA	4	0.24
(1,483)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	5	0.24
(1,483)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	5	0.24
(1,483)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	5	0.24
(1,483)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	5	0.24
(1,483)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	5	0.24
(1,483)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	5	0.24
(1,480)	1:698:C:VAL:HG11	1:695:C:LEU:HA	8	0.24
(1,480)	1:698:C:VAL:HG12	1:695:C:LEU:HA	8	0.24
(1,480)	1:698:C:VAL:HG13	1:695:C:LEU:HA	8	0.24
(1,465)	1:693:C:ILE:HG21	1:694:C:GLY:H	15	0.24
(1,465)	1:693:C:ILE:HG22	1:694:C:GLY:H	15	0.24
(1,465)	1:693:C:ILE:HG23	1:694:C:GLY:H	15	0.24
(1,435)	1:684:C:ILE:HG21	1:681:C:TYR:HA	7	0.24
(1,435)	1:684:C:ILE:HG22	1:681:C:TYR:HA	7	0.24
(1,435)	1:684:C:ILE:HG23	1:681:C:TYR:HA	7	0.24
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	6	0.24
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	6	0.24
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	6	0.24
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	6	0.24
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	6	0.24
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	6	0.24
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	12	0.24
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	12	0.24
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	12	0.24
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	12	0.24
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	12	0.24
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	12	0.24
(1,421)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	10	0.24
(1,421)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	10	0.24
(1,421)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	10	0.24
(1,421)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	10	0.24
(1,421)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	10	0.24
(1,421)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	10	0.24
(1,395)	1:709:C:ARG:HE	1:709:C:ARG:H	12	0.24
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	5	0.24
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	5	0.24
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	5	0.24
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	5	0.24
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	5	0.24
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	5	0.24
(1,372)	1:707:C:ARG:H	1:704:C:LEU:HA	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,365)	1:706:C:ASN:H	1:703:C:SER:HA	9	0.24
(1,365)	1:706:C:ASN:H	1:703:C:SER:HA	15	0.24
(1,361)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	4	0.24
(1,361)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	4	0.24
(1,361)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	4	0.24
(1,361)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	4	0.24
(1,361)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	4	0.24
(1,361)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	4	0.24
(1,354)	1:705:C:VAL:H	1:702:C:LEU:HA	1	0.24
(1,354)	1:705:C:VAL:H	1:702:C:LEU:HA	6	0.24
(1,354)	1:705:C:VAL:H	1:702:C:LEU:HA	10	0.24
(1,354)	1:705:C:VAL:H	1:702:C:LEU:HA	14	0.24
(1,354)	1:705:C:VAL:H	1:702:C:LEU:HA	15	0.24
(1,343)	1:704:C:LEU:H	1:701:C:VAL:HA	2	0.24
(1,332)	1:702:C:LEU:H	1:699:C:PHE:HA	15	0.24
(1,331)	1:701:C:VAL:HG21	1:698:C:VAL:HA	4	0.24
(1,331)	1:701:C:VAL:HG22	1:698:C:VAL:HA	4	0.24
(1,331)	1:701:C:VAL:HG23	1:698:C:VAL:HA	4	0.24
(1,316)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	5	0.24
(1,316)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	5	0.24
(1,316)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	5	0.24
(1,316)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	5	0.24
(1,316)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	5	0.24
(1,316)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	5	0.24
(1,313)	1:698:C:VAL:HG11	1:695:C:LEU:HA	8	0.24
(1,313)	1:698:C:VAL:HG12	1:695:C:LEU:HA	8	0.24
(1,313)	1:698:C:VAL:HG13	1:695:C:LEU:HA	8	0.24
(1,298)	1:693:C:ILE:HG21	1:694:C:GLY:H	15	0.24
(1,298)	1:693:C:ILE:HG22	1:694:C:GLY:H	15	0.24
(1,298)	1:693:C:ILE:HG23	1:694:C:GLY:H	15	0.24
(1,268)	1:684:C:ILE:HG21	1:681:C:TYR:HA	7	0.24
(1,268)	1:684:C:ILE:HG22	1:681:C:TYR:HA	7	0.24
(1,268)	1:684:C:ILE:HG23	1:681:C:TYR:HA	7	0.24
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	6	0.24
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	6	0.24
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	6	0.24
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	6	0.24
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	6	0.24
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	6	0.24
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	12	0.24
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	12	0.24
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	12	0.24
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	12	0.24
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	12	0.24
(1,254)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	10	0.24
(1,254)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	10	0.24
(1,254)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	10	0.24
(1,254)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	10	0.24
(1,254)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	10	0.24
(1,254)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	10	0.24
(1,228)	1:709:C:ARG:HE	1:709:C:ARG:H	12	0.24
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	5	0.24
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	5	0.24
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	5	0.24
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	5	0.24
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	5	0.24
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	5	0.24
(1,205)	1:707:C:ARG:H	1:704:C:LEU:HA	10	0.24
(1,198)	1:706:C:ASN:H	1:703:C:SER:HA	9	0.24
(1,198)	1:706:C:ASN:H	1:703:C:SER:HA	15	0.24
(1,194)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	4	0.24
(1,194)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	4	0.24
(1,194)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	4	0.24
(1,194)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	4	0.24
(1,194)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	4	0.24
(1,194)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	4	0.24
(1,187)	1:705:C:VAL:H	1:702:C:LEU:HA	1	0.24
(1,187)	1:705:C:VAL:H	1:702:C:LEU:HA	6	0.24
(1,187)	1:705:C:VAL:H	1:702:C:LEU:HA	10	0.24
(1,187)	1:705:C:VAL:H	1:702:C:LEU:HA	14	0.24
(1,187)	1:705:C:VAL:H	1:702:C:LEU:HA	15	0.24
(1,176)	1:704:C:LEU:H	1:701:C:VAL:HA	2	0.24
(1,165)	1:702:C:LEU:H	1:699:C:PHE:HA	15	0.24
(1,164)	1:701:C:VAL:HG21	1:698:C:VAL:HA	4	0.24
(1,164)	1:701:C:VAL:HG22	1:698:C:VAL:HA	4	0.24
(1,164)	1:701:C:VAL:HG23	1:698:C:VAL:HA	4	0.24
(1,149)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	5	0.24
(1,149)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	5	0.24
(1,149)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	5	0.24
(1,149)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	5	0.24
(1,149)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	5	0.24
(1,149)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	5	0.24
(1,146)	1:698:C:VAL:HG11	1:695:C:LEU:HA	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,146)	1:698:C:VAL:HG12	1:695:C:LEU:HA	8	0.24
(1,146)	1:698:C:VAL:HG13	1:695:C:LEU:HA	8	0.24
(1,131)	1:693:C:ILE:HG21	1:694:C:GLY:H	15	0.24
(1,131)	1:693:C:ILE:HG22	1:694:C:GLY:H	15	0.24
(1,131)	1:693:C:ILE:HG23	1:694:C:GLY:H	15	0.24
(1,101)	1:684:C:ILE:HG21	1:681:C:TYR:HA	7	0.24
(1,101)	1:684:C:ILE:HG22	1:681:C:TYR:HA	7	0.24
(1,101)	1:684:C:ILE:HG23	1:681:C:TYR:HA	7	0.24
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	6	0.24
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	6	0.24
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	6	0.24
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	6	0.24
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	6	0.24
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	6	0.24
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	12	0.24
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	12	0.24
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	12	0.24
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	12	0.24
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	12	0.24
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	12	0.24
(1,87)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	10	0.24
(1,87)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	10	0.24
(1,87)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	10	0.24
(1,87)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	10	0.24
(1,87)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	10	0.24
(1,87)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	10	0.24
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD21	13	0.24
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD22	13	0.24
(1,54)	1:704:C:LEU:H	1:702:C:LEU:HD23	13	0.24
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD21	13	0.24
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD22	13	0.24
(1,53)	1:704:C:LEU:H	1:702:C:LEU:HD23	13	0.24
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD21	13	0.24
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD22	13	0.24
(1,52)	1:704:C:LEU:H	1:702:C:LEU:HD23	13	0.24
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD2	14	0.23
(1,577)	1:712:C:TYR:H	1:707:C:ARG:HD3	14	0.23
(1,571)	1:711:C:GLY:H	1:707:C:ARG:HG2	12	0.23
(1,571)	1:711:C:GLY:H	1:707:C:ARG:HG3	12	0.23
(1,548)	1:708:C:VAL:H	1:705:C:VAL:HA	7	0.23
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD2	15	0.23
(1,546)	1:707:C:ARG:H	1:707:C:ARG:HD3	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG2	5	0.23
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG3	5	0.23
(1,532)	1:706:C:ASN:H	1:703:C:SER:HA	11	0.23
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	11	0.23
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	11	0.23
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	11	0.23
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	11	0.23
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	11	0.23
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	11	0.23
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	6	0.23
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	6	0.23
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	6	0.23
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	6	0.23
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	6	0.23
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	6	0.23
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB2	1	0.23
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB3	1	0.23
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB2	1	0.23
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB3	1	0.23
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB2	1	0.23
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB3	1	0.23
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB2	6	0.23
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB3	6	0.23
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB2	6	0.23
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB3	6	0.23
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB2	6	0.23
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB3	6	0.23
(1,467)	1:695:C:LEU:H	1:691:C:SER:HA	8	0.23
(1,450)	1:688:C:ILE:HG21	1:692:C:LEU:HG	2	0.23
(1,450)	1:688:C:ILE:HG22	1:692:C:LEU:HG	2	0.23
(1,450)	1:688:C:ILE:HG23	1:692:C:LEU:HG	2	0.23
(1,450)	1:688:C:ILE:HG21	1:692:C:LEU:HG	11	0.23
(1,450)	1:688:C:ILE:HG22	1:692:C:LEU:HG	11	0.23
(1,450)	1:688:C:ILE:HG23	1:692:C:LEU:HG	11	0.23
(1,448)	1:687:C:ILE:HG21	1:691:C:SER:HG	15	0.23
(1,448)	1:687:C:ILE:HG22	1:691:C:SER:HG	15	0.23
(1,448)	1:687:C:ILE:HG23	1:691:C:SER:HG	15	0.23
(1,447)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	1	0.23
(1,447)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	1	0.23
(1,447)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	1	0.23
(1,447)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	1	0.23
(1,447)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,447)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	1	0.23
(1,447)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	1	0.23
(1,447)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	1	0.23
(1,447)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	1	0.23
(1,444)	1:686:C:ILE:HD11	1:685:C:PHE:H	7	0.23
(1,444)	1:686:C:ILE:HD12	1:685:C:PHE:H	7	0.23
(1,444)	1:686:C:ILE:HD13	1:685:C:PHE:H	7	0.23
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	8	0.23
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	8	0.23
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	8	0.23
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	8	0.23
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	8	0.23
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	8	0.23
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	1	0.23
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	1	0.23
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	1	0.23
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	1	0.23
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	1	0.23
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	1	0.23
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD2	14	0.23
(1,410)	1:712:C:TYR:H	1:707:C:ARG:HD3	14	0.23
(1,404)	1:711:C:GLY:H	1:707:C:ARG:HG2	12	0.23
(1,404)	1:711:C:GLY:H	1:707:C:ARG:HG3	12	0.23
(1,381)	1:708:C:VAL:H	1:705:C:VAL:HA	7	0.23
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD2	15	0.23
(1,379)	1:707:C:ARG:H	1:707:C:ARG:HD3	15	0.23
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG2	5	0.23
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG3	5	0.23
(1,365)	1:706:C:ASN:H	1:703:C:SER:HA	11	0.23
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	11	0.23
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	11	0.23
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	11	0.23
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	11	0.23
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	11	0.23
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	11	0.23
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	6	0.23
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	6	0.23
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	6	0.23
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	6	0.23
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	6	0.23
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	6	0.23
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB2	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB3	1	0.23
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB2	1	0.23
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB3	1	0.23
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB2	1	0.23
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB3	1	0.23
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB2	6	0.23
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB3	6	0.23
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB2	6	0.23
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB3	6	0.23
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB2	6	0.23
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB3	6	0.23
(1,300)	1:695:C:LEU:H	1:691:C:SER:HA	8	0.23
(1,283)	1:688:C:ILE:HG21	1:692:C:LEU:HG	2	0.23
(1,283)	1:688:C:ILE:HG22	1:692:C:LEU:HG	2	0.23
(1,283)	1:688:C:ILE:HG23	1:692:C:LEU:HG	2	0.23
(1,283)	1:688:C:ILE:HG21	1:692:C:LEU:HG	11	0.23
(1,283)	1:688:C:ILE:HG22	1:692:C:LEU:HG	11	0.23
(1,283)	1:688:C:ILE:HG23	1:692:C:LEU:HG	11	0.23
(1,281)	1:687:C:ILE:HG21	1:691:C:SER:HG	15	0.23
(1,281)	1:687:C:ILE:HG22	1:691:C:SER:HG	15	0.23
(1,281)	1:687:C:ILE:HG23	1:691:C:SER:HG	15	0.23
(1,280)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	1	0.23
(1,280)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	1	0.23
(1,280)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	1	0.23
(1,280)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	1	0.23
(1,280)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	1	0.23
(1,280)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	1	0.23
(1,280)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	1	0.23
(1,280)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	1	0.23
(1,280)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	1	0.23
(1,277)	1:686:C:ILE:HD11	1:685:C:PHE:H	7	0.23
(1,277)	1:686:C:ILE:HD12	1:685:C:PHE:H	7	0.23
(1,277)	1:686:C:ILE:HD13	1:685:C:PHE:H	7	0.23
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	8	0.23
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	8	0.23
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	8	0.23
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	8	0.23
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	8	0.23
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	8	0.23
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	1	0.23
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	1	0.23
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	1	0.23
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	1	0.23
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	1	0.23
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD2	14	0.23
(1,243)	1:712:C:TYR:H	1:707:C:ARG:HD3	14	0.23
(1,237)	1:711:C:GLY:H	1:707:C:ARG:HG2	12	0.23
(1,237)	1:711:C:GLY:H	1:707:C:ARG:HG3	12	0.23
(1,214)	1:708:C:VAL:H	1:705:C:VAL:HA	7	0.23
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD2	15	0.23
(1,212)	1:707:C:ARG:H	1:707:C:ARG:HD3	15	0.23
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG2	5	0.23
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG3	5	0.23
(1,198)	1:706:C:ASN:H	1:703:C:SER:HA	11	0.23
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	11	0.23
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	11	0.23
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	11	0.23
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	11	0.23
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	11	0.23
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	11	0.23
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	6	0.23
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	6	0.23
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	6	0.23
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	6	0.23
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	6	0.23
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	6	0.23
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB2	1	0.23
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB3	1	0.23
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB2	1	0.23
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB3	1	0.23
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB2	1	0.23
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB3	1	0.23
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB2	6	0.23
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB3	6	0.23
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB2	6	0.23
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB3	6	0.23
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB2	6	0.23
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB3	6	0.23
(1,133)	1:695:C:LEU:H	1:691:C:SER:HA	8	0.23
(1,116)	1:688:C:ILE:HG21	1:692:C:LEU:HG	2	0.23
(1,116)	1:688:C:ILE:HG22	1:692:C:LEU:HG	2	0.23
(1,116)	1:688:C:ILE:HG23	1:692:C:LEU:HG	2	0.23
(1,116)	1:688:C:ILE:HG21	1:692:C:LEU:HG	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,116)	1:688:C:ILE:HG22	1:692:C:LEU:HG	11	0.23
(1,116)	1:688:C:ILE:HG23	1:692:C:LEU:HG	11	0.23
(1,114)	1:687:C:ILE:HG21	1:691:C:SER:HG	15	0.23
(1,114)	1:687:C:ILE:HG22	1:691:C:SER:HG	15	0.23
(1,114)	1:687:C:ILE:HG23	1:691:C:SER:HG	15	0.23
(1,113)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	1	0.23
(1,113)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	1	0.23
(1,113)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	1	0.23
(1,113)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	1	0.23
(1,113)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	1	0.23
(1,113)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	1	0.23
(1,113)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	1	0.23
(1,113)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	1	0.23
(1,113)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	1	0.23
(1,110)	1:686:C:ILE:HD11	1:685:C:PHE:H	7	0.23
(1,110)	1:686:C:ILE:HD12	1:685:C:PHE:H	7	0.23
(1,110)	1:686:C:ILE:HD13	1:685:C:PHE:H	7	0.23
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	8	0.23
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	8	0.23
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	8	0.23
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	8	0.23
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	8	0.23
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	8	0.23
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	1	0.23
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	1	0.23
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	1	0.23
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	1	0.23
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	1	0.23
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	1	0.23
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	12	0.23
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	12	0.23
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	12	0.23
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	12	0.23
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	12	0.23
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	12	0.23
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	12	0.23
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	12	0.23
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	12	0.23
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	12	0.23
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	12	0.23
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	12	0.23
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	12	0.23
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	12	0.23
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	12	0.23
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	12	0.23
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	12	0.23
(1,571)	1:711:C:GLY:H	1:707:C:ARG:HG2	6	0.22
(1,571)	1:711:C:GLY:H	1:707:C:ARG:HG3	6	0.22
(1,548)	1:708:C:VAL:H	1:705:C:VAL:HA	10	0.22
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD11	8	0.22
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD12	8	0.22
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD13	8	0.22
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD21	8	0.22
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD22	8	0.22
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD23	8	0.22
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG2	15	0.22
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG3	15	0.22
(1,532)	1:706:C:ASN:H	1:703:C:SER:HA	7	0.22
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	8	0.22
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	8	0.22
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	8	0.22
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	8	0.22
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	8	0.22
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	8	0.22
(1,510)	1:704:C:LEU:H	1:701:C:VAL:HA	14	0.22
(1,499)	1:702:C:LEU:H	1:699:C:PHE:HA	1	0.22
(1,497)	1:701:C:VAL:HG11	1:698:C:VAL:HA	1	0.22
(1,497)	1:701:C:VAL:HG12	1:698:C:VAL:HA	1	0.22
(1,497)	1:701:C:VAL:HG13	1:698:C:VAL:HA	1	0.22
(1,474)	1:696:C:ARG:H	1:693:C:ILE:HA	10	0.22
(1,471)	1:695:C:LEU:HD21	1:698:C:VAL:HB	6	0.22
(1,471)	1:695:C:LEU:HD22	1:698:C:VAL:HB	6	0.22
(1,471)	1:695:C:LEU:HD23	1:698:C:VAL:HB	6	0.22
(1,461)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	2	0.22
(1,461)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	2	0.22
(1,461)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	2	0.22
(1,461)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	2	0.22
(1,461)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	2	0.22
(1,461)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	2	0.22
(1,449)	1:688:C:ILE:HD11	1:684:C:ILE:HD11	10	0.22
(1,449)	1:688:C:ILE:HD11	1:684:C:ILE:HD12	10	0.22
(1,449)	1:688:C:ILE:HD11	1:684:C:ILE:HD13	10	0.22
(1,449)	1:688:C:ILE:HD12	1:684:C:ILE:HD11	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,449)	1:688:C:ILE:HD12	1:684:C:ILE:HD12	10	0.22
(1,449)	1:688:C:ILE:HD12	1:684:C:ILE:HD13	10	0.22
(1,449)	1:688:C:ILE:HD13	1:684:C:ILE:HD11	10	0.22
(1,449)	1:688:C:ILE:HD13	1:684:C:ILE:HD12	10	0.22
(1,449)	1:688:C:ILE:HD13	1:684:C:ILE:HD13	10	0.22
(1,448)	1:687:C:ILE:HG21	1:691:C:SER:HG	1	0.22
(1,448)	1:687:C:ILE:HG22	1:691:C:SER:HG	1	0.22
(1,448)	1:687:C:ILE:HG23	1:691:C:SER:HG	1	0.22
(1,443)	1:686:C:ILE:HD11	1:683:C:ARG:HA	2	0.22
(1,443)	1:686:C:ILE:HD12	1:683:C:ARG:HA	2	0.22
(1,443)	1:686:C:ILE:HD13	1:683:C:ARG:HA	2	0.22
(1,443)	1:686:C:ILE:HD11	1:683:C:ARG:HA	8	0.22
(1,443)	1:686:C:ILE:HD12	1:683:C:ARG:HA	8	0.22
(1,443)	1:686:C:ILE:HD13	1:683:C:ARG:HA	8	0.22
(1,419)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	10	0.22
(1,419)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	10	0.22
(1,419)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	10	0.22
(1,419)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	10	0.22
(1,419)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	10	0.22
(1,419)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	10	0.22
(1,404)	1:711:C:GLY:H	1:707:C:ARG:HG2	6	0.22
(1,404)	1:711:C:GLY:H	1:707:C:ARG:HG3	6	0.22
(1,381)	1:708:C:VAL:H	1:705:C:VAL:HA	10	0.22
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD11	8	0.22
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD12	8	0.22
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD13	8	0.22
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD21	8	0.22
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD22	8	0.22
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD23	8	0.22
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG2	15	0.22
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG3	15	0.22
(1,365)	1:706:C:ASN:H	1:703:C:SER:HA	7	0.22
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	8	0.22
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	8	0.22
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	8	0.22
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	8	0.22
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	8	0.22
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	8	0.22
(1,343)	1:704:C:LEU:H	1:701:C:VAL:HA	14	0.22
(1,332)	1:702:C:LEU:H	1:699:C:PHE:HA	1	0.22
(1,330)	1:701:C:VAL:HG11	1:698:C:VAL:HA	1	0.22
(1,330)	1:701:C:VAL:HG12	1:698:C:VAL:HA	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,330)	1:701:C:VAL:HG13	1:698:C:VAL:HA	1	0.22
(1,307)	1:696:C:ARG:H	1:693:C:ILE:HA	10	0.22
(1,304)	1:695:C:LEU:HD21	1:698:C:VAL:HB	6	0.22
(1,304)	1:695:C:LEU:HD22	1:698:C:VAL:HB	6	0.22
(1,304)	1:695:C:LEU:HD23	1:698:C:VAL:HB	6	0.22
(1,294)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	2	0.22
(1,294)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	2	0.22
(1,294)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	2	0.22
(1,294)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	2	0.22
(1,294)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	2	0.22
(1,294)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	2	0.22
(1,282)	1:688:C:ILE:HD11	1:684:C:ILE:HD11	10	0.22
(1,282)	1:688:C:ILE:HD11	1:684:C:ILE:HD12	10	0.22
(1,282)	1:688:C:ILE:HD11	1:684:C:ILE:HD13	10	0.22
(1,282)	1:688:C:ILE:HD12	1:684:C:ILE:HD11	10	0.22
(1,282)	1:688:C:ILE:HD12	1:684:C:ILE:HD12	10	0.22
(1,282)	1:688:C:ILE:HD12	1:684:C:ILE:HD13	10	0.22
(1,282)	1:688:C:ILE:HD13	1:684:C:ILE:HD11	10	0.22
(1,282)	1:688:C:ILE:HD13	1:684:C:ILE:HD12	10	0.22
(1,282)	1:688:C:ILE:HD13	1:684:C:ILE:HD13	10	0.22
(1,281)	1:687:C:ILE:HG21	1:691:C:SER:HG	1	0.22
(1,281)	1:687:C:ILE:HG22	1:691:C:SER:HG	1	0.22
(1,281)	1:687:C:ILE:HG23	1:691:C:SER:HG	1	0.22
(1,276)	1:686:C:ILE:HD11	1:683:C:ARG:HA	2	0.22
(1,276)	1:686:C:ILE:HD12	1:683:C:ARG:HA	2	0.22
(1,276)	1:686:C:ILE:HD13	1:683:C:ARG:HA	2	0.22
(1,276)	1:686:C:ILE:HD11	1:683:C:ARG:HA	8	0.22
(1,276)	1:686:C:ILE:HD12	1:683:C:ARG:HA	8	0.22
(1,276)	1:686:C:ILE:HD13	1:683:C:ARG:HA	8	0.22
(1,252)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	10	0.22
(1,252)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	10	0.22
(1,252)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	10	0.22
(1,252)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	10	0.22
(1,252)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	10	0.22
(1,252)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	10	0.22
(1,237)	1:711:C:GLY:H	1:707:C:ARG:HG2	6	0.22
(1,237)	1:711:C:GLY:H	1:707:C:ARG:HG3	6	0.22
(1,214)	1:708:C:VAL:H	1:705:C:VAL:HA	10	0.22
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD11	8	0.22
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD12	8	0.22
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD13	8	0.22
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD21	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD22	8	0.22
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD23	8	0.22
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG2	15	0.22
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG3	15	0.22
(1,198)	1:706:C:ASN:H	1:703:C:SER:HA	7	0.22
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	8	0.22
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	8	0.22
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	8	0.22
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	8	0.22
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	8	0.22
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	8	0.22
(1,176)	1:704:C:LEU:H	1:701:C:VAL:HA	14	0.22
(1,165)	1:702:C:LEU:H	1:699:C:PHE:HA	1	0.22
(1,163)	1:701:C:VAL:HG11	1:698:C:VAL:HA	1	0.22
(1,163)	1:701:C:VAL:HG12	1:698:C:VAL:HA	1	0.22
(1,163)	1:701:C:VAL:HG13	1:698:C:VAL:HA	1	0.22
(1,140)	1:696:C:ARG:H	1:693:C:ILE:HA	10	0.22
(1,137)	1:695:C:LEU:HD21	1:698:C:VAL:HB	6	0.22
(1,137)	1:695:C:LEU:HD22	1:698:C:VAL:HB	6	0.22
(1,137)	1:695:C:LEU:HD23	1:698:C:VAL:HB	6	0.22
(1,127)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	2	0.22
(1,127)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	2	0.22
(1,127)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	2	0.22
(1,127)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	2	0.22
(1,127)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	2	0.22
(1,127)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	2	0.22
(1,115)	1:688:C:ILE:HD11	1:684:C:ILE:HD11	10	0.22
(1,115)	1:688:C:ILE:HD11	1:684:C:ILE:HD12	10	0.22
(1,115)	1:688:C:ILE:HD11	1:684:C:ILE:HD13	10	0.22
(1,115)	1:688:C:ILE:HD12	1:684:C:ILE:HD11	10	0.22
(1,115)	1:688:C:ILE:HD12	1:684:C:ILE:HD12	10	0.22
(1,115)	1:688:C:ILE:HD12	1:684:C:ILE:HD13	10	0.22
(1,115)	1:688:C:ILE:HD13	1:684:C:ILE:HD11	10	0.22
(1,115)	1:688:C:ILE:HD13	1:684:C:ILE:HD12	10	0.22
(1,115)	1:688:C:ILE:HD13	1:684:C:ILE:HD13	10	0.22
(1,114)	1:687:C:ILE:HG21	1:691:C:SER:HG	1	0.22
(1,114)	1:687:C:ILE:HG22	1:691:C:SER:HG	1	0.22
(1,114)	1:687:C:ILE:HG23	1:691:C:SER:HG	1	0.22
(1,109)	1:686:C:ILE:HD11	1:683:C:ARG:HA	2	0.22
(1,109)	1:686:C:ILE:HD12	1:683:C:ARG:HA	2	0.22
(1,109)	1:686:C:ILE:HD13	1:683:C:ARG:HA	2	0.22
(1,109)	1:686:C:ILE:HD11	1:683:C:ARG:HA	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,109)	1:686:C:ILE:HD12	1:683:C:ARG:HA	8	0.22
(1,109)	1:686:C:ILE:HD13	1:683:C:ARG:HA	8	0.22
(1,85)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	10	0.22
(1,85)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	10	0.22
(1,85)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	10	0.22
(1,85)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	10	0.22
(1,85)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	10	0.22
(1,85)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	10	0.22
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	14	0.22
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	14	0.22
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	14	0.22
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	14	0.22
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	14	0.22
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	14	0.22
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	14	0.22
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	14	0.22
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	14	0.22
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	14	0.22
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	14	0.22
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	14	0.22
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	14	0.22
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	14	0.22
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	14	0.22
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	14	0.22
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	14	0.22
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	14	0.22
(1,563)	1:710:C:GLN:H	1:708:C:VAL:HA	15	0.21
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG2	8	0.21
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG3	8	0.21
(1,532)	1:706:C:ASN:H	1:703:C:SER:HA	5	0.21
(1,532)	1:706:C:ASN:H	1:703:C:SER:HA	14	0.21
(1,521)	1:705:C:VAL:H	1:702:C:LEU:HA	11	0.21
(1,521)	1:705:C:VAL:H	1:702:C:LEU:HA	12	0.21
(1,498)	1:701:C:VAL:HG21	1:698:C:VAL:HA	8	0.21
(1,498)	1:701:C:VAL:HG22	1:698:C:VAL:HA	8	0.21
(1,498)	1:701:C:VAL:HG23	1:698:C:VAL:HA	8	0.21
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	13	0.21
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	13	0.21
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	13	0.21
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	13	0.21
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	13	0.21
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	13	0.21
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	13	0.21
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	13	0.21
(1,476)	1:696:C:ARG:H	1:696:C:ARG:HE	2	0.21
(1,476)	1:696:C:ARG:H	1:696:C:ARG:HE	8	0.21
(1,476)	1:696:C:ARG:H	1:696:C:ARG:HE	14	0.21
(1,473)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	10	0.21
(1,473)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	10	0.21
(1,473)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	10	0.21
(1,473)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	10	0.21
(1,473)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	10	0.21
(1,473)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	10	0.21
(1,450)	1:688:C:ILE:HG21	1:692:C:LEU:HG	14	0.21
(1,450)	1:688:C:ILE:HG22	1:692:C:LEU:HG	14	0.21
(1,450)	1:688:C:ILE:HG23	1:692:C:LEU:HG	14	0.21
(1,448)	1:687:C:ILE:HG21	1:691:C:SER:HG	6	0.21
(1,448)	1:687:C:ILE:HG22	1:691:C:SER:HG	6	0.21
(1,448)	1:687:C:ILE:HG23	1:691:C:SER:HG	6	0.21
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	10	0.21
(1,434)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	10	0.21
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	10	0.21
(1,434)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	10	0.21
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	10	0.21
(1,434)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	10	0.21
(1,433)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	4	0.21
(1,433)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	4	0.21
(1,433)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	4	0.21
(1,433)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	4	0.21
(1,433)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	4	0.21
(1,433)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	4	0.21
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG21	9	0.21
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG22	9	0.21
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG23	9	0.21
(1,420)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	7	0.21
(1,420)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	7	0.21
(1,420)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	7	0.21
(1,420)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	7	0.21
(1,420)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	7	0.21
(1,420)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	7	0.21
(1,396)	1:710:C:GLN:H	1:708:C:VAL:HA	15	0.21
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG2	8	0.21
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG3	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,365)	1:706:C:ASN:H	1:703:C:SER:HA	5	0.21
(1,365)	1:706:C:ASN:H	1:703:C:SER:HA	14	0.21
(1,354)	1:705:C:VAL:H	1:702:C:LEU:HA	11	0.21
(1,354)	1:705:C:VAL:H	1:702:C:LEU:HA	12	0.21
(1,331)	1:701:C:VAL:HG21	1:698:C:VAL:HA	8	0.21
(1,331)	1:701:C:VAL:HG22	1:698:C:VAL:HA	8	0.21
(1,331)	1:701:C:VAL:HG23	1:698:C:VAL:HA	8	0.21
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	13	0.21
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	13	0.21
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	13	0.21
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	13	0.21
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	13	0.21
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	13	0.21
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	13	0.21
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	13	0.21
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	13	0.21
(1,309)	1:696:C:ARG:H	1:696:C:ARG:HE	2	0.21
(1,309)	1:696:C:ARG:H	1:696:C:ARG:HE	8	0.21
(1,309)	1:696:C:ARG:H	1:696:C:ARG:HE	14	0.21
(1,306)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	10	0.21
(1,306)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	10	0.21
(1,306)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	10	0.21
(1,306)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	10	0.21
(1,306)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	10	0.21
(1,306)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	10	0.21
(1,283)	1:688:C:ILE:HG21	1:692:C:LEU:HG	14	0.21
(1,283)	1:688:C:ILE:HG22	1:692:C:LEU:HG	14	0.21
(1,283)	1:688:C:ILE:HG23	1:692:C:LEU:HG	14	0.21
(1,281)	1:687:C:ILE:HG21	1:691:C:SER:HG	6	0.21
(1,281)	1:687:C:ILE:HG22	1:691:C:SER:HG	6	0.21
(1,281)	1:687:C:ILE:HG23	1:691:C:SER:HG	6	0.21
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	10	0.21
(1,267)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	10	0.21
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	10	0.21
(1,267)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	10	0.21
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	10	0.21
(1,267)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	10	0.21
(1,266)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	4	0.21
(1,266)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	4	0.21
(1,266)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	4	0.21
(1,266)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	4	0.21
(1,266)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,266)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	4	0.21
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG21	9	0.21
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG22	9	0.21
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG23	9	0.21
(1,253)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	7	0.21
(1,253)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	7	0.21
(1,253)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	7	0.21
(1,253)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	7	0.21
(1,253)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	7	0.21
(1,253)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	7	0.21
(1,229)	1:710:C:GLN:H	1:708:C:VAL:HA	15	0.21
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG2	8	0.21
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG3	8	0.21
(1,198)	1:706:C:ASN:H	1:703:C:SER:HA	5	0.21
(1,198)	1:706:C:ASN:H	1:703:C:SER:HA	14	0.21
(1,187)	1:705:C:VAL:H	1:702:C:LEU:HA	11	0.21
(1,187)	1:705:C:VAL:H	1:702:C:LEU:HA	12	0.21
(1,164)	1:701:C:VAL:HG21	1:698:C:VAL:HA	8	0.21
(1,164)	1:701:C:VAL:HG22	1:698:C:VAL:HA	8	0.21
(1,164)	1:701:C:VAL:HG23	1:698:C:VAL:HA	8	0.21
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	13	0.21
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	13	0.21
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	13	0.21
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	13	0.21
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	13	0.21
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	13	0.21
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	13	0.21
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	13	0.21
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	13	0.21
(1,142)	1:696:C:ARG:H	1:696:C:ARG:HE	2	0.21
(1,142)	1:696:C:ARG:H	1:696:C:ARG:HE	8	0.21
(1,142)	1:696:C:ARG:H	1:696:C:ARG:HE	14	0.21
(1,139)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	10	0.21
(1,139)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	10	0.21
(1,139)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	10	0.21
(1,139)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	10	0.21
(1,139)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	10	0.21
(1,139)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	10	0.21
(1,116)	1:688:C:ILE:HG21	1:692:C:LEU:HG	14	0.21
(1,116)	1:688:C:ILE:HG22	1:692:C:LEU:HG	14	0.21
(1,116)	1:688:C:ILE:HG23	1:692:C:LEU:HG	14	0.21
(1,114)	1:687:C:ILE:HG21	1:691:C:SER:HG	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:687:C:ILE:HG22	1:691:C:SER:HG	6	0.21
(1,114)	1:687:C:ILE:HG23	1:691:C:SER:HG	6	0.21
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	10	0.21
(1,100)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	10	0.21
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	10	0.21
(1,100)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	10	0.21
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	10	0.21
(1,100)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	10	0.21
(1,99)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	4	0.21
(1,99)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	4	0.21
(1,99)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	4	0.21
(1,99)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	4	0.21
(1,99)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	4	0.21
(1,99)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	4	0.21
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG21	9	0.21
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG22	9	0.21
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG23	9	0.21
(1,86)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	7	0.21
(1,86)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	7	0.21
(1,86)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	7	0.21
(1,86)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	7	0.21
(1,86)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	7	0.21
(1,86)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	7	0.21
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	13	0.21
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	13	0.21
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	13	0.21
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	13	0.21
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	13	0.21
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	13	0.21
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	13	0.21
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	13	0.21
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	13	0.21
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	13	0.21
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	13	0.21
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	13	0.21
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	13	0.21
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	13	0.21
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	13	0.21
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	13	0.21
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	13	0.21
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	13	0.21
(1,570)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,570)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	11	0.2
(1,570)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	11	0.2
(1,570)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	11	0.2
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD11	15	0.2
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD12	15	0.2
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD13	15	0.2
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD21	15	0.2
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD22	15	0.2
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD23	15	0.2
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG2	7	0.2
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG3	7	0.2
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	15	0.2
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	15	0.2
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	15	0.2
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	15	0.2
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	15	0.2
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	15	0.2
(1,528)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	14	0.2
(1,528)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	14	0.2
(1,528)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	14	0.2
(1,528)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	14	0.2
(1,528)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	14	0.2
(1,528)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	14	0.2
(1,515)	1:704:C:LEU:H	1:704:C:LEU:HB3	10	0.2
(1,498)	1:701:C:VAL:HG21	1:698:C:VAL:HA	2	0.2
(1,498)	1:701:C:VAL:HG22	1:698:C:VAL:HA	2	0.2
(1,498)	1:701:C:VAL:HG23	1:698:C:VAL:HA	2	0.2
(1,488)	1:700:C:ALA:H	1:699:C:PHE:HA	3	0.2
(1,488)	1:700:C:ALA:H	1:699:C:PHE:HA	4	0.2
(1,480)	1:698:C:VAL:HG11	1:695:C:LEU:HA	4	0.2
(1,480)	1:698:C:VAL:HG12	1:695:C:LEU:HA	4	0.2
(1,480)	1:698:C:VAL:HG13	1:695:C:LEU:HA	4	0.2
(1,467)	1:695:C:LEU:H	1:691:C:SER:HA	4	0.2
(1,467)	1:695:C:LEU:H	1:691:C:SER:HA	10	0.2
(1,467)	1:695:C:LEU:H	1:691:C:SER:HA	12	0.2
(1,467)	1:695:C:LEU:H	1:691:C:SER:HA	13	0.2
(1,450)	1:688:C:ILE:HG21	1:692:C:LEU:HG	1	0.2
(1,450)	1:688:C:ILE:HG22	1:692:C:LEU:HG	1	0.2
(1,450)	1:688:C:ILE:HG23	1:692:C:LEU:HG	1	0.2
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	3	0.2
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	3	0.2
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	3	0.2
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	3	0.2
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	3	0.2
(1,433)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	7	0.2
(1,433)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	7	0.2
(1,433)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	7	0.2
(1,433)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	7	0.2
(1,433)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	7	0.2
(1,433)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	7	0.2
(1,421)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	3	0.2
(1,421)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	3	0.2
(1,421)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	3	0.2
(1,421)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	3	0.2
(1,421)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	3	0.2
(1,421)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	3	0.2
(1,403)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	11	0.2
(1,403)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	11	0.2
(1,403)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	11	0.2
(1,403)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	11	0.2
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD11	15	0.2
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD12	15	0.2
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD13	15	0.2
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD21	15	0.2
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD22	15	0.2
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD23	15	0.2
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG2	7	0.2
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG3	7	0.2
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	15	0.2
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	15	0.2
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	15	0.2
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	15	0.2
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	15	0.2
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	15	0.2
(1,361)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	14	0.2
(1,361)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	14	0.2
(1,361)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	14	0.2
(1,361)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	14	0.2
(1,361)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	14	0.2
(1,361)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	14	0.2
(1,348)	1:704:C:LEU:H	1:704:C:LEU:HB3	10	0.2
(1,331)	1:701:C:VAL:HG21	1:698:C:VAL:HA	2	0.2
(1,331)	1:701:C:VAL:HG22	1:698:C:VAL:HA	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,331)	1:701:C:VAL:HG23	1:698:C:VAL:HA	2	0.2
(1,321)	1:700:C:ALA:H	1:699:C:PHE:HA	3	0.2
(1,321)	1:700:C:ALA:H	1:699:C:PHE:HA	4	0.2
(1,313)	1:698:C:VAL:HG11	1:695:C:LEU:HA	4	0.2
(1,313)	1:698:C:VAL:HG12	1:695:C:LEU:HA	4	0.2
(1,313)	1:698:C:VAL:HG13	1:695:C:LEU:HA	4	0.2
(1,300)	1:695:C:LEU:H	1:691:C:SER:HA	4	0.2
(1,300)	1:695:C:LEU:H	1:691:C:SER:HA	10	0.2
(1,300)	1:695:C:LEU:H	1:691:C:SER:HA	12	0.2
(1,300)	1:695:C:LEU:H	1:691:C:SER:HA	13	0.2
(1,283)	1:688:C:ILE:HG21	1:692:C:LEU:HG	1	0.2
(1,283)	1:688:C:ILE:HG22	1:692:C:LEU:HG	1	0.2
(1,283)	1:688:C:ILE:HG23	1:692:C:LEU:HG	1	0.2
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	3	0.2
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	3	0.2
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	3	0.2
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	3	0.2
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	3	0.2
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	3	0.2
(1,266)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	7	0.2
(1,266)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	7	0.2
(1,266)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	7	0.2
(1,266)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	7	0.2
(1,266)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	7	0.2
(1,266)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	7	0.2
(1,254)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	3	0.2
(1,254)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	3	0.2
(1,254)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	3	0.2
(1,254)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	3	0.2
(1,254)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	3	0.2
(1,254)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	3	0.2
(1,236)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	11	0.2
(1,236)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	11	0.2
(1,236)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	11	0.2
(1,236)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	11	0.2
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD11	15	0.2
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD12	15	0.2
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD13	15	0.2
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD21	15	0.2
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD22	15	0.2
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD23	15	0.2
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG2	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG3	7	0.2
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	15	0.2
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	15	0.2
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	15	0.2
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	15	0.2
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	15	0.2
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	15	0.2
(1,194)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	14	0.2
(1,194)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	14	0.2
(1,194)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	14	0.2
(1,194)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	14	0.2
(1,194)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	14	0.2
(1,194)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	14	0.2
(1,181)	1:704:C:LEU:H	1:704:C:LEU:HB3	10	0.2
(1,164)	1:701:C:VAL:HG21	1:698:C:VAL:HA	2	0.2
(1,164)	1:701:C:VAL:HG22	1:698:C:VAL:HA	2	0.2
(1,164)	1:701:C:VAL:HG23	1:698:C:VAL:HA	2	0.2
(1,154)	1:700:C:ALA:H	1:699:C:PHE:HA	3	0.2
(1,154)	1:700:C:ALA:H	1:699:C:PHE:HA	4	0.2
(1,146)	1:698:C:VAL:HG11	1:695:C:LEU:HA	4	0.2
(1,146)	1:698:C:VAL:HG12	1:695:C:LEU:HA	4	0.2
(1,146)	1:698:C:VAL:HG13	1:695:C:LEU:HA	4	0.2
(1,133)	1:695:C:LEU:H	1:691:C:SER:HA	4	0.2
(1,133)	1:695:C:LEU:H	1:691:C:SER:HA	10	0.2
(1,133)	1:695:C:LEU:H	1:691:C:SER:HA	12	0.2
(1,133)	1:695:C:LEU:H	1:691:C:SER:HA	13	0.2
(1,116)	1:688:C:ILE:HG21	1:692:C:LEU:HG	1	0.2
(1,116)	1:688:C:ILE:HG22	1:692:C:LEU:HG	1	0.2
(1,116)	1:688:C:ILE:HG23	1:692:C:LEU:HG	1	0.2
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	3	0.2
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	3	0.2
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	3	0.2
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	3	0.2
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	3	0.2
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	3	0.2
(1,99)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	7	0.2
(1,99)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	7	0.2
(1,99)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	7	0.2
(1,99)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	7	0.2
(1,99)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	7	0.2
(1,99)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	7	0.2
(1,87)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	3	0.2
(1,87)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	3	0.2
(1,87)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	3	0.2
(1,87)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	3	0.2
(1,87)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	3	0.2
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	6	0.2
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	6	0.2
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	6	0.2
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	6	0.2
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	6	0.2
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	6	0.2
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	6	0.2
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	6	0.2
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	6	0.2
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	6	0.2
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	6	0.2
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	6	0.2
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	6	0.2
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	6	0.2
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	6	0.2
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	6	0.2
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	6	0.2
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	6	0.2
(1,578)	1:712:C:TYR:H	1:709:C:ARG:HA	9	0.19
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG2	3	0.19
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG3	3	0.19
(1,521)	1:705:C:VAL:H	1:702:C:LEU:HA	9	0.19
(1,521)	1:705:C:VAL:H	1:702:C:LEU:HA	13	0.19
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	10	0.19
(1,518)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	10	0.19
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	10	0.19
(1,518)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	10	0.19
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	10	0.19
(1,518)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	10	0.19
(1,511)	1:704:C:LEU:H	1:703:C:SER:HA	7	0.19
(1,505)	1:702:C:LEU:HD21	1:706:C:ASN:HD21	12	0.19
(1,505)	1:702:C:LEU:HD21	1:706:C:ASN:HD22	12	0.19
(1,505)	1:702:C:LEU:HD22	1:706:C:ASN:HD21	12	0.19
(1,505)	1:702:C:LEU:HD22	1:706:C:ASN:HD22	12	0.19
(1,505)	1:702:C:LEU:HD23	1:706:C:ASN:HD21	12	0.19
(1,505)	1:702:C:LEU:HD23	1:706:C:ASN:HD22	12	0.19
(1,498)	1:701:C:VAL:HG21	1:698:C:VAL:HA	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,498)	1:701:C:VAL:HG22	1:698:C:VAL:HA	5	0.19
(1,498)	1:701:C:VAL:HG23	1:698:C:VAL:HA	5	0.19
(1,494)	1:701:C:VAL:H	1:698:C:VAL:HA	1	0.19
(1,488)	1:700:C:ALA:H	1:699:C:PHE:HA	2	0.19
(1,488)	1:700:C:ALA:H	1:699:C:PHE:HA	6	0.19
(1,483)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	13	0.19
(1,483)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	13	0.19
(1,483)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	13	0.19
(1,483)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	13	0.19
(1,483)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	13	0.19
(1,483)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	13	0.19
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	12	0.19
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	12	0.19
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	12	0.19
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	12	0.19
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	12	0.19
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	12	0.19
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	12	0.19
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	12	0.19
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	12	0.19
(1,476)	1:696:C:ARG:H	1:696:C:ARG:HE	5	0.19
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB2	14	0.19
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB3	14	0.19
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB2	14	0.19
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB3	14	0.19
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB2	14	0.19
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB3	14	0.19
(1,456)	1:692:C:LEU:HD11	1:689:C:VAL:HA	2	0.19
(1,456)	1:692:C:LEU:HD12	1:689:C:VAL:HA	2	0.19
(1,456)	1:692:C:LEU:HD13	1:689:C:VAL:HA	2	0.19
(1,433)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	10	0.19
(1,433)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	10	0.19
(1,433)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	10	0.19
(1,433)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	10	0.19
(1,433)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	10	0.19
(1,433)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	10	0.19
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	10	0.19
(1,432)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	10	0.19
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	10	0.19
(1,432)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	10	0.19
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	10	0.19
(1,432)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG21	11	0.19
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG22	11	0.19
(1,429)	1:683:C:ARG:HE	1:687:C:ILE:HG23	11	0.19
(1,421)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	7	0.19
(1,421)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	7	0.19
(1,421)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	7	0.19
(1,421)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	7	0.19
(1,421)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	7	0.19
(1,421)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	7	0.19
(1,421)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	15	0.19
(1,421)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	15	0.19
(1,421)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	15	0.19
(1,421)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	15	0.19
(1,421)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	15	0.19
(1,421)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	15	0.19
(1,419)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	7	0.19
(1,419)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	7	0.19
(1,419)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	7	0.19
(1,419)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	7	0.19
(1,419)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	7	0.19
(1,419)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	7	0.19
(1,411)	1:712:C:TYR:H	1:709:C:ARG:HA	9	0.19
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG2	3	0.19
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG3	3	0.19
(1,354)	1:705:C:VAL:H	1:702:C:LEU:HA	9	0.19
(1,354)	1:705:C:VAL:H	1:702:C:LEU:HA	13	0.19
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	10	0.19
(1,351)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	10	0.19
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	10	0.19
(1,351)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	10	0.19
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	10	0.19
(1,351)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	10	0.19
(1,344)	1:704:C:LEU:H	1:703:C:SER:HA	7	0.19
(1,338)	1:702:C:LEU:HD21	1:706:C:ASN:HD21	12	0.19
(1,338)	1:702:C:LEU:HD21	1:706:C:ASN:HD22	12	0.19
(1,338)	1:702:C:LEU:HD22	1:706:C:ASN:HD21	12	0.19
(1,338)	1:702:C:LEU:HD22	1:706:C:ASN:HD22	12	0.19
(1,338)	1:702:C:LEU:HD23	1:706:C:ASN:HD21	12	0.19
(1,338)	1:702:C:LEU:HD23	1:706:C:ASN:HD22	12	0.19
(1,331)	1:701:C:VAL:HG21	1:698:C:VAL:HA	5	0.19
(1,331)	1:701:C:VAL:HG22	1:698:C:VAL:HA	5	0.19
(1,331)	1:701:C:VAL:HG23	1:698:C:VAL:HA	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,327)	1:701:C:VAL:H	1:698:C:VAL:HA	1	0.19
(1,321)	1:700:C:ALA:H	1:699:C:PHE:HA	2	0.19
(1,321)	1:700:C:ALA:H	1:699:C:PHE:HA	6	0.19
(1,316)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	13	0.19
(1,316)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	13	0.19
(1,316)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	13	0.19
(1,316)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	13	0.19
(1,316)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	13	0.19
(1,316)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	13	0.19
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	12	0.19
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	12	0.19
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	12	0.19
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	12	0.19
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	12	0.19
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	12	0.19
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	12	0.19
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	12	0.19
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	12	0.19
(1,309)	1:696:C:ARG:H	1:696:C:ARG:HE	5	0.19
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB2	14	0.19
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB3	14	0.19
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB2	14	0.19
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB3	14	0.19
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB2	14	0.19
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB3	14	0.19
(1,289)	1:692:C:LEU:HD11	1:689:C:VAL:HA	2	0.19
(1,289)	1:692:C:LEU:HD12	1:689:C:VAL:HA	2	0.19
(1,289)	1:692:C:LEU:HD13	1:689:C:VAL:HA	2	0.19
(1,266)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	10	0.19
(1,266)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	10	0.19
(1,266)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	10	0.19
(1,266)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	10	0.19
(1,266)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	10	0.19
(1,266)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	10	0.19
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	10	0.19
(1,265)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	10	0.19
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	10	0.19
(1,265)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	10	0.19
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	10	0.19
(1,265)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	10	0.19
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG21	11	0.19
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG22	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,262)	1:683:C:ARG:HE	1:687:C:ILE:HG23	11	0.19
(1,254)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	7	0.19
(1,254)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	7	0.19
(1,254)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	7	0.19
(1,254)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	7	0.19
(1,254)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	7	0.19
(1,254)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	7	0.19
(1,254)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	15	0.19
(1,254)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	15	0.19
(1,254)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	15	0.19
(1,254)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	15	0.19
(1,254)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	15	0.19
(1,254)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	15	0.19
(1,252)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	7	0.19
(1,252)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	7	0.19
(1,252)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	7	0.19
(1,252)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	7	0.19
(1,252)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	7	0.19
(1,252)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	7	0.19
(1,244)	1:712:C:TYR:H	1:709:C:ARG:HA	9	0.19
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG2	3	0.19
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG3	3	0.19
(1,187)	1:705:C:VAL:H	1:702:C:LEU:HA	9	0.19
(1,187)	1:705:C:VAL:H	1:702:C:LEU:HA	13	0.19
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	10	0.19
(1,184)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	10	0.19
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	10	0.19
(1,184)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	10	0.19
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	10	0.19
(1,184)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	10	0.19
(1,177)	1:704:C:LEU:H	1:703:C:SER:HA	7	0.19
(1,171)	1:702:C:LEU:HD21	1:706:C:ASN:HD21	12	0.19
(1,171)	1:702:C:LEU:HD21	1:706:C:ASN:HD22	12	0.19
(1,171)	1:702:C:LEU:HD22	1:706:C:ASN:HD21	12	0.19
(1,171)	1:702:C:LEU:HD22	1:706:C:ASN:HD22	12	0.19
(1,171)	1:702:C:LEU:HD23	1:706:C:ASN:HD21	12	0.19
(1,171)	1:702:C:LEU:HD23	1:706:C:ASN:HD22	12	0.19
(1,164)	1:701:C:VAL:HG21	1:698:C:VAL:HA	5	0.19
(1,164)	1:701:C:VAL:HG22	1:698:C:VAL:HA	5	0.19
(1,164)	1:701:C:VAL:HG23	1:698:C:VAL:HA	5	0.19
(1,160)	1:701:C:VAL:H	1:698:C:VAL:HA	1	0.19
(1,154)	1:700:C:ALA:H	1:699:C:PHE:HA	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,154)	1:700:C:ALA:H	1:699:C:PHE:HA	6	0.19
(1,149)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	13	0.19
(1,149)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	13	0.19
(1,149)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	13	0.19
(1,149)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	13	0.19
(1,149)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	13	0.19
(1,149)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	13	0.19
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	12	0.19
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	12	0.19
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	12	0.19
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	12	0.19
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	12	0.19
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	12	0.19
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	12	0.19
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	12	0.19
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	12	0.19
(1,142)	1:696:C:ARG:H	1:696:C:ARG:HE	5	0.19
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB2	14	0.19
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB3	14	0.19
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB2	14	0.19
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB3	14	0.19
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB2	14	0.19
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB3	14	0.19
(1,122)	1:692:C:LEU:HD11	1:689:C:VAL:HA	2	0.19
(1,122)	1:692:C:LEU:HD12	1:689:C:VAL:HA	2	0.19
(1,122)	1:692:C:LEU:HD13	1:689:C:VAL:HA	2	0.19
(1,99)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	10	0.19
(1,99)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	10	0.19
(1,99)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	10	0.19
(1,99)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	10	0.19
(1,99)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	10	0.19
(1,99)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	10	0.19
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	10	0.19
(1,98)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	10	0.19
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	10	0.19
(1,98)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	10	0.19
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	10	0.19
(1,98)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	10	0.19
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG21	11	0.19
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG22	11	0.19
(1,95)	1:683:C:ARG:HE	1:687:C:ILE:HG23	11	0.19
(1,87)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	7	0.19
(1,87)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	7	0.19
(1,87)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	7	0.19
(1,87)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	7	0.19
(1,87)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	7	0.19
(1,87)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	15	0.19
(1,87)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	15	0.19
(1,87)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	15	0.19
(1,87)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	15	0.19
(1,87)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	15	0.19
(1,87)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	15	0.19
(1,85)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	7	0.19
(1,85)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	7	0.19
(1,85)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	7	0.19
(1,85)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	7	0.19
(1,85)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	7	0.19
(1,85)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	7	0.19
(1,571)	1:711:C:GLY:H	1:707:C:ARG:HG2	13	0.18
(1,571)	1:711:C:GLY:H	1:707:C:ARG:HG3	13	0.18
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	4	0.18
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	4	0.18
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	4	0.18
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	4	0.18
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	4	0.18
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	4	0.18
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	11	0.18
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	11	0.18
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	11	0.18
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	11	0.18
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	11	0.18
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	11	0.18
(1,539)	1:707:C:ARG:H	1:704:C:LEU:HA	14	0.18
(1,532)	1:706:C:ASN:H	1:703:C:SER:HA	10	0.18
(1,521)	1:705:C:VAL:H	1:702:C:LEU:HA	3	0.18
(1,498)	1:701:C:VAL:HG21	1:698:C:VAL:HA	12	0.18
(1,498)	1:701:C:VAL:HG22	1:698:C:VAL:HA	12	0.18
(1,498)	1:701:C:VAL:HG23	1:698:C:VAL:HA	12	0.18
(1,498)	1:701:C:VAL:HG21	1:698:C:VAL:HA	13	0.18
(1,498)	1:701:C:VAL:HG22	1:698:C:VAL:HA	13	0.18
(1,498)	1:701:C:VAL:HG23	1:698:C:VAL:HA	13	0.18
(1,493)	1:700:C:ALA:HB1	1:703:C:SER:HB2	1	0.18
(1,493)	1:700:C:ALA:HB1	1:703:C:SER:HB3	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,493)	1:700:C:ALA:HB2	1:703:C:SER:HB2	1	0.18
(1,493)	1:700:C:ALA:HB2	1:703:C:SER:HB3	1	0.18
(1,493)	1:700:C:ALA:HB3	1:703:C:SER:HB2	1	0.18
(1,493)	1:700:C:ALA:HB3	1:703:C:SER:HB3	1	0.18
(1,488)	1:700:C:ALA:H	1:699:C:PHE:HA	1	0.18
(1,480)	1:698:C:VAL:HG11	1:695:C:LEU:HA	1	0.18
(1,480)	1:698:C:VAL:HG12	1:695:C:LEU:HA	1	0.18
(1,480)	1:698:C:VAL:HG13	1:695:C:LEU:HA	1	0.18
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB2	2	0.18
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB3	2	0.18
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB2	2	0.18
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB3	2	0.18
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB2	2	0.18
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB3	2	0.18
(1,467)	1:695:C:LEU:H	1:691:C:SER:HA	9	0.18
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	9	0.18
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	9	0.18
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	9	0.18
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	9	0.18
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	9	0.18
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	9	0.18
(1,433)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	13	0.18
(1,433)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	13	0.18
(1,433)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	13	0.18
(1,433)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	13	0.18
(1,433)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	13	0.18
(1,433)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	13	0.18
(1,433)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	15	0.18
(1,433)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	15	0.18
(1,433)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	15	0.18
(1,433)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	15	0.18
(1,433)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	15	0.18
(1,433)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	15	0.18
(1,421)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	12	0.18
(1,421)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	12	0.18
(1,421)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	12	0.18
(1,421)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	12	0.18
(1,421)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	12	0.18
(1,421)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	12	0.18
(1,404)	1:711:C:GLY:H	1:707:C:ARG:HG2	13	0.18
(1,404)	1:711:C:GLY:H	1:707:C:ARG:HG3	13	0.18
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	4	0.18
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	4	0.18
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	4	0.18
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	4	0.18
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	4	0.18
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	11	0.18
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	11	0.18
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	11	0.18
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	11	0.18
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	11	0.18
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	11	0.18
(1,372)	1:707:C:ARG:H	1:704:C:LEU:HA	14	0.18
(1,365)	1:706:C:ASN:H	1:703:C:SER:HA	10	0.18
(1,354)	1:705:C:VAL:H	1:702:C:LEU:HA	3	0.18
(1,331)	1:701:C:VAL:HG21	1:698:C:VAL:HA	12	0.18
(1,331)	1:701:C:VAL:HG22	1:698:C:VAL:HA	12	0.18
(1,331)	1:701:C:VAL:HG23	1:698:C:VAL:HA	12	0.18
(1,331)	1:701:C:VAL:HG21	1:698:C:VAL:HA	13	0.18
(1,331)	1:701:C:VAL:HG22	1:698:C:VAL:HA	13	0.18
(1,331)	1:701:C:VAL:HG23	1:698:C:VAL:HA	13	0.18
(1,326)	1:700:C:ALA:HB1	1:703:C:SER:HB2	1	0.18
(1,326)	1:700:C:ALA:HB1	1:703:C:SER:HB3	1	0.18
(1,326)	1:700:C:ALA:HB2	1:703:C:SER:HB2	1	0.18
(1,326)	1:700:C:ALA:HB2	1:703:C:SER:HB3	1	0.18
(1,326)	1:700:C:ALA:HB3	1:703:C:SER:HB2	1	0.18
(1,326)	1:700:C:ALA:HB3	1:703:C:SER:HB3	1	0.18
(1,321)	1:700:C:ALA:H	1:699:C:PHE:HA	1	0.18
(1,313)	1:698:C:VAL:HG11	1:695:C:LEU:HA	1	0.18
(1,313)	1:698:C:VAL:HG12	1:695:C:LEU:HA	1	0.18
(1,313)	1:698:C:VAL:HG13	1:695:C:LEU:HA	1	0.18
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB2	2	0.18
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB3	2	0.18
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB2	2	0.18
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB3	2	0.18
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB2	2	0.18
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB3	2	0.18
(1,300)	1:695:C:LEU:H	1:691:C:SER:HA	9	0.18
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	9	0.18
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	9	0.18
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	9	0.18
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	9	0.18
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	9	0.18
(1,266)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	13	0.18
(1,266)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	13	0.18
(1,266)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	13	0.18
(1,266)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	13	0.18
(1,266)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	13	0.18
(1,266)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	13	0.18
(1,266)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	15	0.18
(1,266)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	15	0.18
(1,266)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	15	0.18
(1,266)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	15	0.18
(1,266)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	15	0.18
(1,266)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	15	0.18
(1,254)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	12	0.18
(1,254)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	12	0.18
(1,254)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	12	0.18
(1,254)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	12	0.18
(1,254)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	12	0.18
(1,254)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	12	0.18
(1,237)	1:711:C:GLY:H	1:707:C:ARG:HG2	13	0.18
(1,237)	1:711:C:GLY:H	1:707:C:ARG:HG3	13	0.18
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	4	0.18
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	4	0.18
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	4	0.18
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	4	0.18
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	4	0.18
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	4	0.18
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	11	0.18
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	11	0.18
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	11	0.18
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	11	0.18
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	11	0.18
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	11	0.18
(1,205)	1:707:C:ARG:H	1:704:C:LEU:HA	14	0.18
(1,198)	1:706:C:ASN:H	1:703:C:SER:HA	10	0.18
(1,187)	1:705:C:VAL:H	1:702:C:LEU:HA	3	0.18
(1,164)	1:701:C:VAL:HG21	1:698:C:VAL:HA	12	0.18
(1,164)	1:701:C:VAL:HG22	1:698:C:VAL:HA	12	0.18
(1,164)	1:701:C:VAL:HG23	1:698:C:VAL:HA	12	0.18
(1,164)	1:701:C:VAL:HG21	1:698:C:VAL:HA	13	0.18
(1,164)	1:701:C:VAL:HG22	1:698:C:VAL:HA	13	0.18
(1,164)	1:701:C:VAL:HG23	1:698:C:VAL:HA	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,159)	1:700:C:ALA:HB1	1:703:C:SER:HB2	1	0.18
(1,159)	1:700:C:ALA:HB1	1:703:C:SER:HB3	1	0.18
(1,159)	1:700:C:ALA:HB2	1:703:C:SER:HB2	1	0.18
(1,159)	1:700:C:ALA:HB2	1:703:C:SER:HB3	1	0.18
(1,159)	1:700:C:ALA:HB3	1:703:C:SER:HB2	1	0.18
(1,159)	1:700:C:ALA:HB3	1:703:C:SER:HB3	1	0.18
(1,154)	1:700:C:ALA:H	1:699:C:PHE:HA	1	0.18
(1,146)	1:698:C:VAL:HG11	1:695:C:LEU:HA	1	0.18
(1,146)	1:698:C:VAL:HG12	1:695:C:LEU:HA	1	0.18
(1,146)	1:698:C:VAL:HG13	1:695:C:LEU:HA	1	0.18
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB2	2	0.18
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB3	2	0.18
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB2	2	0.18
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB3	2	0.18
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB2	2	0.18
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB3	2	0.18
(1,133)	1:695:C:LEU:H	1:691:C:SER:HA	9	0.18
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	9	0.18
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	9	0.18
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	9	0.18
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	9	0.18
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	9	0.18
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	9	0.18
(1,99)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	13	0.18
(1,99)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	13	0.18
(1,99)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	13	0.18
(1,99)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	13	0.18
(1,99)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	13	0.18
(1,99)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	13	0.18
(1,99)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	15	0.18
(1,99)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	15	0.18
(1,99)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	15	0.18
(1,99)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	15	0.18
(1,99)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	15	0.18
(1,99)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	15	0.18
(1,87)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	12	0.18
(1,87)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	12	0.18
(1,87)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	12	0.18
(1,87)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	12	0.18
(1,87)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	12	0.18
(1,87)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	12	0.18
(1,583)	1:713:C:SER:H	1:712:C:TYR:H	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,581)	1:712:C:TYR:H	1:713:C:SER:H	1	0.17
(1,580)	1:712:C:TYR:H	1:712:C:TYR:HB2	15	0.17
(1,580)	1:712:C:TYR:H	1:712:C:TYR:HB3	15	0.17
(1,563)	1:710:C:GLN:H	1:708:C:VAL:HA	1	0.17
(1,562)	1:709:C:ARG:HE	1:709:C:ARG:H	5	0.17
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD11	5	0.17
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD12	5	0.17
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD13	5	0.17
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD21	5	0.17
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD22	5	0.17
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD23	5	0.17
(1,539)	1:707:C:ARG:H	1:704:C:LEU:HA	4	0.17
(1,528)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	7	0.17
(1,528)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	7	0.17
(1,528)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	7	0.17
(1,528)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	7	0.17
(1,528)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	7	0.17
(1,528)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	7	0.17
(1,511)	1:704:C:LEU:H	1:703:C:SER:HA	9	0.17
(1,510)	1:704:C:LEU:H	1:701:C:VAL:HA	4	0.17
(1,510)	1:704:C:LEU:H	1:701:C:VAL:HA	13	0.17
(1,498)	1:701:C:VAL:HG21	1:698:C:VAL:HA	7	0.17
(1,498)	1:701:C:VAL:HG22	1:698:C:VAL:HA	7	0.17
(1,498)	1:701:C:VAL:HG23	1:698:C:VAL:HA	7	0.17
(1,498)	1:701:C:VAL:HG21	1:698:C:VAL:HA	14	0.17
(1,498)	1:701:C:VAL:HG22	1:698:C:VAL:HA	14	0.17
(1,498)	1:701:C:VAL:HG23	1:698:C:VAL:HA	14	0.17
(1,488)	1:700:C:ALA:H	1:699:C:PHE:HA	7	0.17
(1,488)	1:700:C:ALA:H	1:699:C:PHE:HA	11	0.17
(1,488)	1:700:C:ALA:H	1:699:C:PHE:HA	15	0.17
(1,480)	1:698:C:VAL:HG11	1:695:C:LEU:HA	11	0.17
(1,480)	1:698:C:VAL:HG12	1:695:C:LEU:HA	11	0.17
(1,480)	1:698:C:VAL:HG13	1:695:C:LEU:HA	11	0.17
(1,477)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	15	0.17
(1,477)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	15	0.17
(1,477)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	15	0.17
(1,477)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	15	0.17
(1,477)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	15	0.17
(1,477)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	15	0.17
(1,448)	1:687:C:ILE:HG21	1:691:C:SER:HG	2	0.17
(1,448)	1:687:C:ILE:HG22	1:691:C:SER:HG	2	0.17
(1,448)	1:687:C:ILE:HG23	1:691:C:SER:HG	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:681:C:TYR:H	1:680:C:TRP:HE3	14	0.17
(1,416)	1:713:C:SER:H	1:712:C:TYR:H	1	0.17
(1,414)	1:712:C:TYR:H	1:713:C:SER:H	1	0.17
(1,413)	1:712:C:TYR:H	1:712:C:TYR:HB2	15	0.17
(1,413)	1:712:C:TYR:H	1:712:C:TYR:HB3	15	0.17
(1,396)	1:710:C:GLN:H	1:708:C:VAL:HA	1	0.17
(1,395)	1:709:C:ARG:HE	1:709:C:ARG:H	5	0.17
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD11	5	0.17
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD12	5	0.17
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD13	5	0.17
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD21	5	0.17
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD22	5	0.17
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD23	5	0.17
(1,372)	1:707:C:ARG:H	1:704:C:LEU:HA	4	0.17
(1,361)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	7	0.17
(1,361)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	7	0.17
(1,361)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	7	0.17
(1,361)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	7	0.17
(1,361)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	7	0.17
(1,361)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	7	0.17
(1,344)	1:704:C:LEU:H	1:703:C:SER:HA	9	0.17
(1,343)	1:704:C:LEU:H	1:701:C:VAL:HA	4	0.17
(1,343)	1:704:C:LEU:H	1:701:C:VAL:HA	13	0.17
(1,331)	1:701:C:VAL:HG21	1:698:C:VAL:HA	7	0.17
(1,331)	1:701:C:VAL:HG22	1:698:C:VAL:HA	7	0.17
(1,331)	1:701:C:VAL:HG23	1:698:C:VAL:HA	7	0.17
(1,331)	1:701:C:VAL:HG21	1:698:C:VAL:HA	14	0.17
(1,331)	1:701:C:VAL:HG22	1:698:C:VAL:HA	14	0.17
(1,331)	1:701:C:VAL:HG23	1:698:C:VAL:HA	14	0.17
(1,321)	1:700:C:ALA:H	1:699:C:PHE:HA	7	0.17
(1,321)	1:700:C:ALA:H	1:699:C:PHE:HA	11	0.17
(1,321)	1:700:C:ALA:H	1:699:C:PHE:HA	15	0.17
(1,313)	1:698:C:VAL:HG11	1:695:C:LEU:HA	11	0.17
(1,313)	1:698:C:VAL:HG12	1:695:C:LEU:HA	11	0.17
(1,313)	1:698:C:VAL:HG13	1:695:C:LEU:HA	11	0.17
(1,310)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	15	0.17
(1,310)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	15	0.17
(1,310)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	15	0.17
(1,310)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	15	0.17
(1,310)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	15	0.17
(1,310)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	15	0.17
(1,281)	1:687:C:ILE:HG21	1:691:C:SER:HG	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,281)	1:687:C:ILE:HG22	1:691:C:SER:HG	2	0.17
(1,281)	1:687:C:ILE:HG23	1:691:C:SER:HG	2	0.17
(1,255)	1:681:C:TYR:H	1:680:C:TRP:HE3	14	0.17
(1,249)	1:713:C:SER:H	1:712:C:TYR:H	1	0.17
(1,247)	1:712:C:TYR:H	1:713:C:SER:H	1	0.17
(1,246)	1:712:C:TYR:H	1:712:C:TYR:HB2	15	0.17
(1,246)	1:712:C:TYR:H	1:712:C:TYR:HB3	15	0.17
(1,229)	1:710:C:GLN:H	1:708:C:VAL:HA	1	0.17
(1,228)	1:709:C:ARG:HE	1:709:C:ARG:H	5	0.17
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD11	5	0.17
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD12	5	0.17
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD13	5	0.17
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD21	5	0.17
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD22	5	0.17
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD23	5	0.17
(1,205)	1:707:C:ARG:H	1:704:C:LEU:HA	4	0.17
(1,194)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	7	0.17
(1,194)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	7	0.17
(1,194)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	7	0.17
(1,194)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	7	0.17
(1,194)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	7	0.17
(1,194)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	7	0.17
(1,177)	1:704:C:LEU:H	1:703:C:SER:HA	9	0.17
(1,176)	1:704:C:LEU:H	1:701:C:VAL:HA	4	0.17
(1,176)	1:704:C:LEU:H	1:701:C:VAL:HA	13	0.17
(1,164)	1:701:C:VAL:HG21	1:698:C:VAL:HA	7	0.17
(1,164)	1:701:C:VAL:HG22	1:698:C:VAL:HA	7	0.17
(1,164)	1:701:C:VAL:HG23	1:698:C:VAL:HA	7	0.17
(1,164)	1:701:C:VAL:HG21	1:698:C:VAL:HA	14	0.17
(1,164)	1:701:C:VAL:HG22	1:698:C:VAL:HA	14	0.17
(1,164)	1:701:C:VAL:HG23	1:698:C:VAL:HA	14	0.17
(1,154)	1:700:C:ALA:H	1:699:C:PHE:HA	7	0.17
(1,154)	1:700:C:ALA:H	1:699:C:PHE:HA	11	0.17
(1,154)	1:700:C:ALA:H	1:699:C:PHE:HA	15	0.17
(1,146)	1:698:C:VAL:HG11	1:695:C:LEU:HA	11	0.17
(1,146)	1:698:C:VAL:HG12	1:695:C:LEU:HA	11	0.17
(1,146)	1:698:C:VAL:HG13	1:695:C:LEU:HA	11	0.17
(1,143)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	15	0.17
(1,143)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	15	0.17
(1,143)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	15	0.17
(1,143)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	15	0.17
(1,143)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,143)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	15	0.17
(1,114)	1:687:C:ILE:HG21	1:691:C:SER:HG	2	0.17
(1,114)	1:687:C:ILE:HG22	1:691:C:SER:HG	2	0.17
(1,114)	1:687:C:ILE:HG23	1:691:C:SER:HG	2	0.17
(1,88)	1:681:C:TYR:H	1:680:C:TRP:HE3	14	0.17
(1,563)	1:710:C:GLN:H	1:708:C:VAL:HA	2	0.16
(1,563)	1:710:C:GLN:H	1:708:C:VAL:HA	9	0.16
(1,562)	1:709:C:ARG:HE	1:709:C:ARG:H	6	0.16
(1,562)	1:709:C:ARG:HE	1:709:C:ARG:H	15	0.16
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	2	0.16
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	2	0.16
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	2	0.16
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	2	0.16
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	2	0.16
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	2	0.16
(1,539)	1:707:C:ARG:H	1:704:C:LEU:HA	6	0.16
(1,539)	1:707:C:ARG:H	1:704:C:LEU:HA	7	0.16
(1,539)	1:707:C:ARG:H	1:704:C:LEU:HA	9	0.16
(1,511)	1:704:C:LEU:H	1:703:C:SER:HA	3	0.16
(1,511)	1:704:C:LEU:H	1:703:C:SER:HA	5	0.16
(1,511)	1:704:C:LEU:H	1:703:C:SER:HA	8	0.16
(1,511)	1:704:C:LEU:H	1:703:C:SER:HA	10	0.16
(1,511)	1:704:C:LEU:H	1:703:C:SER:HA	14	0.16
(1,511)	1:704:C:LEU:H	1:703:C:SER:HA	15	0.16
(1,510)	1:704:C:LEU:H	1:701:C:VAL:HA	1	0.16
(1,498)	1:701:C:VAL:HG21	1:698:C:VAL:HA	11	0.16
(1,498)	1:701:C:VAL:HG22	1:698:C:VAL:HA	11	0.16
(1,498)	1:701:C:VAL:HG23	1:698:C:VAL:HA	11	0.16
(1,488)	1:700:C:ALA:H	1:699:C:PHE:HA	9	0.16
(1,488)	1:700:C:ALA:H	1:699:C:PHE:HA	12	0.16
(1,488)	1:700:C:ALA:H	1:699:C:PHE:HA	13	0.16
(1,488)	1:700:C:ALA:H	1:699:C:PHE:HA	14	0.16
(1,473)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	1	0.16
(1,473)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	1	0.16
(1,473)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	1	0.16
(1,473)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	1	0.16
(1,473)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	1	0.16
(1,473)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	1	0.16
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB2	3	0.16
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB3	3	0.16
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB2	3	0.16
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB3	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB2	3	0.16
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB3	3	0.16
(1,458)	1:692:C:LEU:HD11	1:691:C:SER:HB2	11	0.16
(1,458)	1:692:C:LEU:HD11	1:691:C:SER:HB3	11	0.16
(1,458)	1:692:C:LEU:HD12	1:691:C:SER:HB2	11	0.16
(1,458)	1:692:C:LEU:HD12	1:691:C:SER:HB3	11	0.16
(1,458)	1:692:C:LEU:HD13	1:691:C:SER:HB2	11	0.16
(1,458)	1:692:C:LEU:HD13	1:691:C:SER:HB3	11	0.16
(1,450)	1:688:C:ILE:HG21	1:692:C:LEU:HG	7	0.16
(1,450)	1:688:C:ILE:HG22	1:692:C:LEU:HG	7	0.16
(1,450)	1:688:C:ILE:HG23	1:692:C:LEU:HG	7	0.16
(1,445)	1:686:C:ILE:HD11	1:685:C:PHE:HD1	7	0.16
(1,445)	1:686:C:ILE:HD11	1:685:C:PHE:HD2	7	0.16
(1,445)	1:686:C:ILE:HD12	1:685:C:PHE:HD1	7	0.16
(1,445)	1:686:C:ILE:HD12	1:685:C:PHE:HD2	7	0.16
(1,445)	1:686:C:ILE:HD13	1:685:C:PHE:HD1	7	0.16
(1,445)	1:686:C:ILE:HD13	1:685:C:PHE:HD2	7	0.16
(1,396)	1:710:C:GLN:H	1:708:C:VAL:HA	2	0.16
(1,396)	1:710:C:GLN:H	1:708:C:VAL:HA	9	0.16
(1,395)	1:709:C:ARG:HE	1:709:C:ARG:H	6	0.16
(1,395)	1:709:C:ARG:HE	1:709:C:ARG:H	15	0.16
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	2	0.16
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	2	0.16
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	2	0.16
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	2	0.16
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	2	0.16
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	2	0.16
(1,372)	1:707:C:ARG:H	1:704:C:LEU:HA	6	0.16
(1,372)	1:707:C:ARG:H	1:704:C:LEU:HA	7	0.16
(1,372)	1:707:C:ARG:H	1:704:C:LEU:HA	9	0.16
(1,344)	1:704:C:LEU:H	1:703:C:SER:HA	3	0.16
(1,344)	1:704:C:LEU:H	1:703:C:SER:HA	5	0.16
(1,344)	1:704:C:LEU:H	1:703:C:SER:HA	8	0.16
(1,344)	1:704:C:LEU:H	1:703:C:SER:HA	10	0.16
(1,344)	1:704:C:LEU:H	1:703:C:SER:HA	14	0.16
(1,344)	1:704:C:LEU:H	1:703:C:SER:HA	15	0.16
(1,343)	1:704:C:LEU:H	1:701:C:VAL:HA	1	0.16
(1,331)	1:701:C:VAL:HG21	1:698:C:VAL:HA	11	0.16
(1,331)	1:701:C:VAL:HG22	1:698:C:VAL:HA	11	0.16
(1,331)	1:701:C:VAL:HG23	1:698:C:VAL:HA	11	0.16
(1,321)	1:700:C:ALA:H	1:699:C:PHE:HA	9	0.16
(1,321)	1:700:C:ALA:H	1:699:C:PHE:HA	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,321)	1:700:C:ALA:H	1:699:C:PHE:HA	13	0.16
(1,321)	1:700:C:ALA:H	1:699:C:PHE:HA	14	0.16
(1,306)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	1	0.16
(1,306)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	1	0.16
(1,306)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	1	0.16
(1,306)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	1	0.16
(1,306)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	1	0.16
(1,306)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	1	0.16
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB2	3	0.16
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB3	3	0.16
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB2	3	0.16
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB3	3	0.16
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB2	3	0.16
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB3	3	0.16
(1,291)	1:692:C:LEU:HD11	1:691:C:SER:HB2	11	0.16
(1,291)	1:692:C:LEU:HD11	1:691:C:SER:HB3	11	0.16
(1,291)	1:692:C:LEU:HD12	1:691:C:SER:HB2	11	0.16
(1,291)	1:692:C:LEU:HD12	1:691:C:SER:HB3	11	0.16
(1,291)	1:692:C:LEU:HD13	1:691:C:SER:HB2	11	0.16
(1,291)	1:692:C:LEU:HD13	1:691:C:SER:HB3	11	0.16
(1,283)	1:688:C:ILE:HG21	1:692:C:LEU:HG	7	0.16
(1,283)	1:688:C:ILE:HG22	1:692:C:LEU:HG	7	0.16
(1,283)	1:688:C:ILE:HG23	1:692:C:LEU:HG	7	0.16
(1,278)	1:686:C:ILE:HD11	1:685:C:PHE:HD1	7	0.16
(1,278)	1:686:C:ILE:HD11	1:685:C:PHE:HD2	7	0.16
(1,278)	1:686:C:ILE:HD12	1:685:C:PHE:HD1	7	0.16
(1,278)	1:686:C:ILE:HD12	1:685:C:PHE:HD2	7	0.16
(1,278)	1:686:C:ILE:HD13	1:685:C:PHE:HD1	7	0.16
(1,278)	1:686:C:ILE:HD13	1:685:C:PHE:HD2	7	0.16
(1,229)	1:710:C:GLN:H	1:708:C:VAL:HA	2	0.16
(1,229)	1:710:C:GLN:H	1:708:C:VAL:HA	9	0.16
(1,228)	1:709:C:ARG:HE	1:709:C:ARG:H	6	0.16
(1,228)	1:709:C:ARG:HE	1:709:C:ARG:H	15	0.16
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	2	0.16
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	2	0.16
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	2	0.16
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	2	0.16
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	2	0.16
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	2	0.16
(1,205)	1:707:C:ARG:H	1:704:C:LEU:HA	6	0.16
(1,205)	1:707:C:ARG:H	1:704:C:LEU:HA	7	0.16
(1,205)	1:707:C:ARG:H	1:704:C:LEU:HA	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,177)	1:704:C:LEU:H	1:703:C:SER:HA	3	0.16
(1,177)	1:704:C:LEU:H	1:703:C:SER:HA	5	0.16
(1,177)	1:704:C:LEU:H	1:703:C:SER:HA	8	0.16
(1,177)	1:704:C:LEU:H	1:703:C:SER:HA	10	0.16
(1,177)	1:704:C:LEU:H	1:703:C:SER:HA	14	0.16
(1,177)	1:704:C:LEU:H	1:703:C:SER:HA	15	0.16
(1,176)	1:704:C:LEU:H	1:701:C:VAL:HA	1	0.16
(1,164)	1:701:C:VAL:HG21	1:698:C:VAL:HA	11	0.16
(1,164)	1:701:C:VAL:HG22	1:698:C:VAL:HA	11	0.16
(1,164)	1:701:C:VAL:HG23	1:698:C:VAL:HA	11	0.16
(1,154)	1:700:C:ALA:H	1:699:C:PHE:HA	9	0.16
(1,154)	1:700:C:ALA:H	1:699:C:PHE:HA	12	0.16
(1,154)	1:700:C:ALA:H	1:699:C:PHE:HA	13	0.16
(1,154)	1:700:C:ALA:H	1:699:C:PHE:HA	14	0.16
(1,139)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	1	0.16
(1,139)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	1	0.16
(1,139)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	1	0.16
(1,139)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	1	0.16
(1,139)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	1	0.16
(1,139)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	1	0.16
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB2	3	0.16
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB3	3	0.16
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB2	3	0.16
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB3	3	0.16
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB2	3	0.16
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB3	3	0.16
(1,124)	1:692:C:LEU:HD11	1:691:C:SER:HB2	11	0.16
(1,124)	1:692:C:LEU:HD11	1:691:C:SER:HB3	11	0.16
(1,124)	1:692:C:LEU:HD12	1:691:C:SER:HB2	11	0.16
(1,124)	1:692:C:LEU:HD12	1:691:C:SER:HB3	11	0.16
(1,124)	1:692:C:LEU:HD13	1:691:C:SER:HB2	11	0.16
(1,124)	1:692:C:LEU:HD13	1:691:C:SER:HB3	11	0.16
(1,116)	1:688:C:ILE:HG21	1:692:C:LEU:HG	7	0.16
(1,116)	1:688:C:ILE:HG22	1:692:C:LEU:HG	7	0.16
(1,116)	1:688:C:ILE:HG23	1:692:C:LEU:HG	7	0.16
(1,111)	1:686:C:ILE:HD11	1:685:C:PHE:HD1	7	0.16
(1,111)	1:686:C:ILE:HD11	1:685:C:PHE:HD2	7	0.16
(1,111)	1:686:C:ILE:HD12	1:685:C:PHE:HD1	7	0.16
(1,111)	1:686:C:ILE:HD12	1:685:C:PHE:HD2	7	0.16
(1,111)	1:686:C:ILE:HD13	1:685:C:PHE:HD1	7	0.16
(1,111)	1:686:C:ILE:HD13	1:685:C:PHE:HD2	7	0.16
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	8	0.16
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	8	0.16
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	8	0.16
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	8	0.16
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	8	0.16
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	8	0.16
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	8	0.16
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	8	0.16
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	8	0.16
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	8	0.16
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	8	0.16
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	8	0.16
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	8	0.16
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	8	0.16
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	8	0.16
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	8	0.16
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	8	0.16
(1,578)	1:712:C:TYR:H	1:709:C:ARG:HA	2	0.15
(1,568)	1:710:C:GLN:H	1:710:C:GLN:HB3	14	0.15
(1,554)	1:708:C:VAL:HG21	1:705:C:VAL:HA	1	0.15
(1,554)	1:708:C:VAL:HG22	1:705:C:VAL:HA	1	0.15
(1,554)	1:708:C:VAL:HG23	1:705:C:VAL:HA	1	0.15
(1,554)	1:708:C:VAL:HG21	1:705:C:VAL:HA	4	0.15
(1,554)	1:708:C:VAL:HG22	1:705:C:VAL:HA	4	0.15
(1,554)	1:708:C:VAL:HG23	1:705:C:VAL:HA	4	0.15
(1,554)	1:708:C:VAL:HG21	1:705:C:VAL:HA	14	0.15
(1,554)	1:708:C:VAL:HG22	1:705:C:VAL:HA	14	0.15
(1,554)	1:708:C:VAL:HG23	1:705:C:VAL:HA	14	0.15
(1,539)	1:707:C:ARG:H	1:704:C:LEU:HA	5	0.15
(1,497)	1:701:C:VAL:HG11	1:698:C:VAL:HA	15	0.15
(1,497)	1:701:C:VAL:HG12	1:698:C:VAL:HA	15	0.15
(1,497)	1:701:C:VAL:HG13	1:698:C:VAL:HA	15	0.15
(1,493)	1:700:C:ALA:HB1	1:703:C:SER:HB2	8	0.15
(1,493)	1:700:C:ALA:HB1	1:703:C:SER:HB3	8	0.15
(1,493)	1:700:C:ALA:HB2	1:703:C:SER:HB2	8	0.15
(1,493)	1:700:C:ALA:HB2	1:703:C:SER:HB3	8	0.15
(1,493)	1:700:C:ALA:HB3	1:703:C:SER:HB2	8	0.15
(1,493)	1:700:C:ALA:HB3	1:703:C:SER:HB3	8	0.15
(1,488)	1:700:C:ALA:H	1:699:C:PHE:HA	5	0.15
(1,488)	1:700:C:ALA:H	1:699:C:PHE:HA	8	0.15
(1,488)	1:700:C:ALA:H	1:699:C:PHE:HA	10	0.15
(1,482)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,482)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	15	0.15
(1,482)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	15	0.15
(1,482)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	15	0.15
(1,482)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	15	0.15
(1,482)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	15	0.15
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	7	0.15
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	7	0.15
(1,479)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	7	0.15
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	7	0.15
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	7	0.15
(1,479)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	7	0.15
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	7	0.15
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	7	0.15
(1,479)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	7	0.15
(1,476)	1:696:C:ARG:H	1:696:C:ARG:HE	13	0.15
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB2	12	0.15
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB3	12	0.15
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB2	12	0.15
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB3	12	0.15
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB2	12	0.15
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB3	12	0.15
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB2	15	0.15
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB3	15	0.15
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB2	15	0.15
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB3	15	0.15
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB2	15	0.15
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB3	15	0.15
(1,467)	1:695:C:LEU:H	1:691:C:SER:HA	2	0.15
(1,458)	1:692:C:LEU:HD11	1:691:C:SER:HB2	2	0.15
(1,458)	1:692:C:LEU:HD11	1:691:C:SER:HB3	2	0.15
(1,458)	1:692:C:LEU:HD12	1:691:C:SER:HB2	2	0.15
(1,458)	1:692:C:LEU:HD12	1:691:C:SER:HB3	2	0.15
(1,458)	1:692:C:LEU:HD13	1:691:C:SER:HB2	2	0.15
(1,458)	1:692:C:LEU:HD13	1:691:C:SER:HB3	2	0.15
(1,450)	1:688:C:ILE:HG21	1:692:C:LEU:HG	8	0.15
(1,450)	1:688:C:ILE:HG22	1:692:C:LEU:HG	8	0.15
(1,450)	1:688:C:ILE:HG23	1:692:C:LEU:HG	8	0.15
(1,450)	1:688:C:ILE:HG21	1:692:C:LEU:HG	9	0.15
(1,450)	1:688:C:ILE:HG22	1:692:C:LEU:HG	9	0.15
(1,450)	1:688:C:ILE:HG23	1:692:C:LEU:HG	9	0.15
(1,433)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	12	0.15
(1,433)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,433)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	12	0.15
(1,433)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	12	0.15
(1,433)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	12	0.15
(1,433)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	12	0.15
(1,420)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	1	0.15
(1,420)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	1	0.15
(1,420)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	1	0.15
(1,420)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	1	0.15
(1,420)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	1	0.15
(1,420)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	1	0.15
(1,411)	1:712:C:TYR:H	1:709:C:ARG:HA	2	0.15
(1,401)	1:710:C:GLN:H	1:710:C:GLN:HB3	14	0.15
(1,387)	1:708:C:VAL:HG21	1:705:C:VAL:HA	1	0.15
(1,387)	1:708:C:VAL:HG22	1:705:C:VAL:HA	1	0.15
(1,387)	1:708:C:VAL:HG23	1:705:C:VAL:HA	1	0.15
(1,387)	1:708:C:VAL:HG21	1:705:C:VAL:HA	4	0.15
(1,387)	1:708:C:VAL:HG22	1:705:C:VAL:HA	4	0.15
(1,387)	1:708:C:VAL:HG23	1:705:C:VAL:HA	4	0.15
(1,387)	1:708:C:VAL:HG21	1:705:C:VAL:HA	14	0.15
(1,387)	1:708:C:VAL:HG22	1:705:C:VAL:HA	14	0.15
(1,387)	1:708:C:VAL:HG23	1:705:C:VAL:HA	14	0.15
(1,372)	1:707:C:ARG:H	1:704:C:LEU:HA	5	0.15
(1,330)	1:701:C:VAL:HG11	1:698:C:VAL:HA	15	0.15
(1,330)	1:701:C:VAL:HG12	1:698:C:VAL:HA	15	0.15
(1,330)	1:701:C:VAL:HG13	1:698:C:VAL:HA	15	0.15
(1,326)	1:700:C:ALA:HB1	1:703:C:SER:HB2	8	0.15
(1,326)	1:700:C:ALA:HB1	1:703:C:SER:HB3	8	0.15
(1,326)	1:700:C:ALA:HB2	1:703:C:SER:HB2	8	0.15
(1,326)	1:700:C:ALA:HB2	1:703:C:SER:HB3	8	0.15
(1,326)	1:700:C:ALA:HB3	1:703:C:SER:HB2	8	0.15
(1,326)	1:700:C:ALA:HB3	1:703:C:SER:HB3	8	0.15
(1,321)	1:700:C:ALA:H	1:699:C:PHE:HA	5	0.15
(1,321)	1:700:C:ALA:H	1:699:C:PHE:HA	8	0.15
(1,321)	1:700:C:ALA:H	1:699:C:PHE:HA	10	0.15
(1,315)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	15	0.15
(1,315)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	15	0.15
(1,315)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	15	0.15
(1,315)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	15	0.15
(1,315)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	15	0.15
(1,315)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	15	0.15
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	7	0.15
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	7	0.15
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	7	0.15
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	7	0.15
(1,312)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	7	0.15
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	7	0.15
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	7	0.15
(1,312)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	7	0.15
(1,309)	1:696:C:ARG:H	1:696:C:ARG:HE	13	0.15
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB2	12	0.15
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB3	12	0.15
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB2	12	0.15
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB3	12	0.15
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB2	12	0.15
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB3	12	0.15
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB2	15	0.15
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB3	15	0.15
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB2	15	0.15
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB3	15	0.15
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB2	15	0.15
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB3	15	0.15
(1,300)	1:695:C:LEU:H	1:691:C:SER:HA	2	0.15
(1,291)	1:692:C:LEU:HD11	1:691:C:SER:HB2	2	0.15
(1,291)	1:692:C:LEU:HD11	1:691:C:SER:HB3	2	0.15
(1,291)	1:692:C:LEU:HD12	1:691:C:SER:HB2	2	0.15
(1,291)	1:692:C:LEU:HD12	1:691:C:SER:HB3	2	0.15
(1,291)	1:692:C:LEU:HD13	1:691:C:SER:HB2	2	0.15
(1,291)	1:692:C:LEU:HD13	1:691:C:SER:HB3	2	0.15
(1,283)	1:688:C:ILE:HG21	1:692:C:LEU:HG	8	0.15
(1,283)	1:688:C:ILE:HG22	1:692:C:LEU:HG	8	0.15
(1,283)	1:688:C:ILE:HG23	1:692:C:LEU:HG	8	0.15
(1,283)	1:688:C:ILE:HG21	1:692:C:LEU:HG	9	0.15
(1,283)	1:688:C:ILE:HG22	1:692:C:LEU:HG	9	0.15
(1,283)	1:688:C:ILE:HG23	1:692:C:LEU:HG	9	0.15
(1,266)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	12	0.15
(1,266)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	12	0.15
(1,266)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	12	0.15
(1,266)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	12	0.15
(1,266)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	12	0.15
(1,266)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	12	0.15
(1,253)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	1	0.15
(1,253)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	1	0.15
(1,253)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	1	0.15
(1,253)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	1	0.15
(1,253)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	1	0.15
(1,244)	1:712:C:TYR:H	1:709:C:ARG:HA	2	0.15
(1,234)	1:710:C:GLN:H	1:710:C:GLN:HB3	14	0.15
(1,220)	1:708:C:VAL:HG21	1:705:C:VAL:HA	1	0.15
(1,220)	1:708:C:VAL:HG22	1:705:C:VAL:HA	1	0.15
(1,220)	1:708:C:VAL:HG23	1:705:C:VAL:HA	1	0.15
(1,220)	1:708:C:VAL:HG21	1:705:C:VAL:HA	4	0.15
(1,220)	1:708:C:VAL:HG22	1:705:C:VAL:HA	4	0.15
(1,220)	1:708:C:VAL:HG23	1:705:C:VAL:HA	4	0.15
(1,220)	1:708:C:VAL:HG21	1:705:C:VAL:HA	14	0.15
(1,220)	1:708:C:VAL:HG22	1:705:C:VAL:HA	14	0.15
(1,220)	1:708:C:VAL:HG23	1:705:C:VAL:HA	14	0.15
(1,205)	1:707:C:ARG:H	1:704:C:LEU:HA	5	0.15
(1,163)	1:701:C:VAL:HG11	1:698:C:VAL:HA	15	0.15
(1,163)	1:701:C:VAL:HG12	1:698:C:VAL:HA	15	0.15
(1,163)	1:701:C:VAL:HG13	1:698:C:VAL:HA	15	0.15
(1,159)	1:700:C:ALA:HB1	1:703:C:SER:HB2	8	0.15
(1,159)	1:700:C:ALA:HB1	1:703:C:SER:HB3	8	0.15
(1,159)	1:700:C:ALA:HB2	1:703:C:SER:HB2	8	0.15
(1,159)	1:700:C:ALA:HB2	1:703:C:SER:HB3	8	0.15
(1,159)	1:700:C:ALA:HB3	1:703:C:SER:HB2	8	0.15
(1,159)	1:700:C:ALA:HB3	1:703:C:SER:HB3	8	0.15
(1,154)	1:700:C:ALA:H	1:699:C:PHE:HA	5	0.15
(1,154)	1:700:C:ALA:H	1:699:C:PHE:HA	8	0.15
(1,154)	1:700:C:ALA:H	1:699:C:PHE:HA	10	0.15
(1,148)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	15	0.15
(1,148)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	15	0.15
(1,148)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	15	0.15
(1,148)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	15	0.15
(1,148)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	15	0.15
(1,148)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	15	0.15
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	7	0.15
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	7	0.15
(1,145)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	7	0.15
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	7	0.15
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	7	0.15
(1,145)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	7	0.15
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	7	0.15
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	7	0.15
(1,145)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,142)	1:696:C:ARG:H	1:696:C:ARG:HE	13	0.15
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB2	12	0.15
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB3	12	0.15
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB2	12	0.15
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB3	12	0.15
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB2	12	0.15
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB3	12	0.15
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB2	15	0.15
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB3	15	0.15
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB2	15	0.15
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB3	15	0.15
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB2	15	0.15
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB3	15	0.15
(1,133)	1:695:C:LEU:H	1:691:C:SER:HA	2	0.15
(1,124)	1:692:C:LEU:HD11	1:691:C:SER:HB2	2	0.15
(1,124)	1:692:C:LEU:HD11	1:691:C:SER:HB3	2	0.15
(1,124)	1:692:C:LEU:HD12	1:691:C:SER:HB2	2	0.15
(1,124)	1:692:C:LEU:HD12	1:691:C:SER:HB3	2	0.15
(1,124)	1:692:C:LEU:HD13	1:691:C:SER:HB2	2	0.15
(1,124)	1:692:C:LEU:HD13	1:691:C:SER:HB3	2	0.15
(1,116)	1:688:C:ILE:HG21	1:692:C:LEU:HG	8	0.15
(1,116)	1:688:C:ILE:HG22	1:692:C:LEU:HG	8	0.15
(1,116)	1:688:C:ILE:HG23	1:692:C:LEU:HG	8	0.15
(1,116)	1:688:C:ILE:HG21	1:692:C:LEU:HG	9	0.15
(1,116)	1:688:C:ILE:HG22	1:692:C:LEU:HG	9	0.15
(1,116)	1:688:C:ILE:HG23	1:692:C:LEU:HG	9	0.15
(1,99)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	12	0.15
(1,99)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	12	0.15
(1,99)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	12	0.15
(1,99)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	12	0.15
(1,99)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	12	0.15
(1,99)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	12	0.15
(1,86)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	1	0.15
(1,86)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	1	0.15
(1,86)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	1	0.15
(1,86)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	1	0.15
(1,86)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	1	0.15
(1,86)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	1	0.15
(1,583)	1:713:C:SER:H	1:712:C:TYR:H	10	0.14
(1,581)	1:712:C:TYR:H	1:713:C:SER:H	10	0.14
(1,572)	1:711:C:GLY:H	1:709:C:ARG:HA	14	0.14
(1,562)	1:709:C:ARG:HE	1:709:C:ARG:H	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:709:C:ARG:HE	1:705:C:VAL:HG11	14	0.14
(1,561)	1:709:C:ARG:HE	1:705:C:VAL:HG12	14	0.14
(1,561)	1:709:C:ARG:HE	1:705:C:VAL:HG13	14	0.14
(1,554)	1:708:C:VAL:HG21	1:705:C:VAL:HA	6	0.14
(1,554)	1:708:C:VAL:HG22	1:705:C:VAL:HA	6	0.14
(1,554)	1:708:C:VAL:HG23	1:705:C:VAL:HA	6	0.14
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	15	0.14
(1,553)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	15	0.14
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	15	0.14
(1,553)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	15	0.14
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	15	0.14
(1,553)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	15	0.14
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG2	9	0.14
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG3	9	0.14
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG2	11	0.14
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG3	11	0.14
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	9	0.14
(1,531)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	9	0.14
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	9	0.14
(1,531)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	9	0.14
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	9	0.14
(1,531)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	9	0.14
(1,511)	1:704:C:LEU:H	1:703:C:SER:HA	2	0.14
(1,511)	1:704:C:LEU:H	1:703:C:SER:HA	4	0.14
(1,511)	1:704:C:LEU:H	1:703:C:SER:HA	13	0.14
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	3	0.14
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	3	0.14
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	3	0.14
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	3	0.14
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	3	0.14
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	3	0.14
(1,503)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	1	0.14
(1,503)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	1	0.14
(1,503)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	1	0.14
(1,503)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	1	0.14
(1,503)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	1	0.14
(1,503)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	1	0.14
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB2	4	0.14
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB3	4	0.14
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB2	4	0.14
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB3	4	0.14
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB2	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB3	4	0.14
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB2	11	0.14
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB3	11	0.14
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB2	11	0.14
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB3	11	0.14
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB2	11	0.14
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB3	11	0.14
(1,461)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	14	0.14
(1,461)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	14	0.14
(1,461)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	14	0.14
(1,461)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	14	0.14
(1,461)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	14	0.14
(1,461)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	14	0.14
(1,458)	1:692:C:LEU:HD11	1:691:C:SER:HB2	1	0.14
(1,458)	1:692:C:LEU:HD11	1:691:C:SER:HB3	1	0.14
(1,458)	1:692:C:LEU:HD12	1:691:C:SER:HB2	1	0.14
(1,458)	1:692:C:LEU:HD12	1:691:C:SER:HB3	1	0.14
(1,458)	1:692:C:LEU:HD13	1:691:C:SER:HB2	1	0.14
(1,458)	1:692:C:LEU:HD13	1:691:C:SER:HB3	1	0.14
(1,458)	1:692:C:LEU:HD11	1:691:C:SER:HB2	3	0.14
(1,458)	1:692:C:LEU:HD11	1:691:C:SER:HB3	3	0.14
(1,458)	1:692:C:LEU:HD12	1:691:C:SER:HB2	3	0.14
(1,458)	1:692:C:LEU:HD12	1:691:C:SER:HB3	3	0.14
(1,458)	1:692:C:LEU:HD13	1:691:C:SER:HB2	3	0.14
(1,458)	1:692:C:LEU:HD13	1:691:C:SER:HB3	3	0.14
(1,445)	1:686:C:ILE:HD11	1:685:C:PHE:HD1	13	0.14
(1,445)	1:686:C:ILE:HD11	1:685:C:PHE:HD2	13	0.14
(1,445)	1:686:C:ILE:HD12	1:685:C:PHE:HD1	13	0.14
(1,445)	1:686:C:ILE:HD12	1:685:C:PHE:HD2	13	0.14
(1,445)	1:686:C:ILE:HD13	1:685:C:PHE:HD1	13	0.14
(1,445)	1:686:C:ILE:HD13	1:685:C:PHE:HD2	13	0.14
(1,433)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	8	0.14
(1,433)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	8	0.14
(1,433)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	8	0.14
(1,433)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	8	0.14
(1,433)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	8	0.14
(1,433)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	8	0.14
(1,426)	1:682:C:ILE:HD11	1:681:C:TYR:H	2	0.14
(1,426)	1:682:C:ILE:HD12	1:681:C:TYR:H	2	0.14
(1,426)	1:682:C:ILE:HD13	1:681:C:TYR:H	2	0.14
(1,416)	1:713:C:SER:H	1:712:C:TYR:H	10	0.14
(1,414)	1:712:C:TYR:H	1:713:C:SER:H	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,405)	1:711:C:GLY:H	1:709:C:ARG:HA	14	0.14
(1,395)	1:709:C:ARG:HE	1:709:C:ARG:H	10	0.14
(1,394)	1:709:C:ARG:HE	1:705:C:VAL:HG11	14	0.14
(1,394)	1:709:C:ARG:HE	1:705:C:VAL:HG12	14	0.14
(1,394)	1:709:C:ARG:HE	1:705:C:VAL:HG13	14	0.14
(1,387)	1:708:C:VAL:HG21	1:705:C:VAL:HA	6	0.14
(1,387)	1:708:C:VAL:HG22	1:705:C:VAL:HA	6	0.14
(1,387)	1:708:C:VAL:HG23	1:705:C:VAL:HA	6	0.14
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	15	0.14
(1,386)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	15	0.14
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	15	0.14
(1,386)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	15	0.14
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	15	0.14
(1,386)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	15	0.14
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG2	9	0.14
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG3	9	0.14
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG2	11	0.14
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG3	11	0.14
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	9	0.14
(1,364)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	9	0.14
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	9	0.14
(1,364)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	9	0.14
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	9	0.14
(1,364)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	9	0.14
(1,344)	1:704:C:LEU:H	1:703:C:SER:HA	2	0.14
(1,344)	1:704:C:LEU:H	1:703:C:SER:HA	4	0.14
(1,344)	1:704:C:LEU:H	1:703:C:SER:HA	13	0.14
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	3	0.14
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	3	0.14
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	3	0.14
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	3	0.14
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	3	0.14
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	3	0.14
(1,336)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	1	0.14
(1,336)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	1	0.14
(1,336)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	1	0.14
(1,336)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	1	0.14
(1,336)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	1	0.14
(1,336)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	1	0.14
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB2	4	0.14
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB3	4	0.14
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB2	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB3	4	0.14
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB2	4	0.14
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB3	4	0.14
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB2	11	0.14
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB3	11	0.14
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB2	11	0.14
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB3	11	0.14
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB2	11	0.14
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB3	11	0.14
(1,294)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	14	0.14
(1,294)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	14	0.14
(1,294)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	14	0.14
(1,294)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	14	0.14
(1,294)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	14	0.14
(1,294)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	14	0.14
(1,291)	1:692:C:LEU:HD11	1:691:C:SER:HB2	1	0.14
(1,291)	1:692:C:LEU:HD11	1:691:C:SER:HB3	1	0.14
(1,291)	1:692:C:LEU:HD12	1:691:C:SER:HB2	1	0.14
(1,291)	1:692:C:LEU:HD12	1:691:C:SER:HB3	1	0.14
(1,291)	1:692:C:LEU:HD13	1:691:C:SER:HB2	1	0.14
(1,291)	1:692:C:LEU:HD13	1:691:C:SER:HB3	1	0.14
(1,291)	1:692:C:LEU:HD11	1:691:C:SER:HB2	3	0.14
(1,291)	1:692:C:LEU:HD11	1:691:C:SER:HB3	3	0.14
(1,291)	1:692:C:LEU:HD12	1:691:C:SER:HB2	3	0.14
(1,291)	1:692:C:LEU:HD12	1:691:C:SER:HB3	3	0.14
(1,291)	1:692:C:LEU:HD13	1:691:C:SER:HB2	3	0.14
(1,291)	1:692:C:LEU:HD13	1:691:C:SER:HB3	3	0.14
(1,278)	1:686:C:ILE:HD11	1:685:C:PHE:HD1	13	0.14
(1,278)	1:686:C:ILE:HD11	1:685:C:PHE:HD2	13	0.14
(1,278)	1:686:C:ILE:HD12	1:685:C:PHE:HD1	13	0.14
(1,278)	1:686:C:ILE:HD12	1:685:C:PHE:HD2	13	0.14
(1,278)	1:686:C:ILE:HD13	1:685:C:PHE:HD1	13	0.14
(1,278)	1:686:C:ILE:HD13	1:685:C:PHE:HD2	13	0.14
(1,266)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	8	0.14
(1,266)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	8	0.14
(1,266)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	8	0.14
(1,266)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	8	0.14
(1,266)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	8	0.14
(1,266)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	8	0.14
(1,259)	1:682:C:ILE:HD11	1:681:C:TYR:H	2	0.14
(1,259)	1:682:C:ILE:HD12	1:681:C:TYR:H	2	0.14
(1,259)	1:682:C:ILE:HD13	1:681:C:TYR:H	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,249)	1:713:C:SER:H	1:712:C:TYR:H	10	0.14
(1,247)	1:712:C:TYR:H	1:713:C:SER:H	10	0.14
(1,238)	1:711:C:GLY:H	1:709:C:ARG:HA	14	0.14
(1,228)	1:709:C:ARG:HE	1:709:C:ARG:H	10	0.14
(1,227)	1:709:C:ARG:HE	1:705:C:VAL:HG11	14	0.14
(1,227)	1:709:C:ARG:HE	1:705:C:VAL:HG12	14	0.14
(1,227)	1:709:C:ARG:HE	1:705:C:VAL:HG13	14	0.14
(1,220)	1:708:C:VAL:HG21	1:705:C:VAL:HA	6	0.14
(1,220)	1:708:C:VAL:HG22	1:705:C:VAL:HA	6	0.14
(1,220)	1:708:C:VAL:HG23	1:705:C:VAL:HA	6	0.14
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD1	15	0.14
(1,219)	1:708:C:VAL:HG11	1:712:C:TYR:HD2	15	0.14
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD1	15	0.14
(1,219)	1:708:C:VAL:HG12	1:712:C:TYR:HD2	15	0.14
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD1	15	0.14
(1,219)	1:708:C:VAL:HG13	1:712:C:TYR:HD2	15	0.14
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG2	9	0.14
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG3	9	0.14
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG2	11	0.14
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG3	11	0.14
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	9	0.14
(1,197)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	9	0.14
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	9	0.14
(1,197)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	9	0.14
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	9	0.14
(1,197)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	9	0.14
(1,177)	1:704:C:LEU:H	1:703:C:SER:HA	2	0.14
(1,177)	1:704:C:LEU:H	1:703:C:SER:HA	4	0.14
(1,177)	1:704:C:LEU:H	1:703:C:SER:HA	13	0.14
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	3	0.14
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	3	0.14
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	3	0.14
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	3	0.14
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	3	0.14
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	3	0.14
(1,169)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	1	0.14
(1,169)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	1	0.14
(1,169)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	1	0.14
(1,169)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	1	0.14
(1,169)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	1	0.14
(1,169)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	1	0.14
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB2	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB3	4	0.14
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB2	4	0.14
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB3	4	0.14
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB2	4	0.14
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB3	4	0.14
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB2	11	0.14
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB3	11	0.14
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB2	11	0.14
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB3	11	0.14
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB2	11	0.14
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB3	11	0.14
(1,127)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	14	0.14
(1,127)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	14	0.14
(1,127)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	14	0.14
(1,127)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	14	0.14
(1,127)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	14	0.14
(1,127)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	14	0.14
(1,124)	1:692:C:LEU:HD11	1:691:C:SER:HB2	1	0.14
(1,124)	1:692:C:LEU:HD11	1:691:C:SER:HB3	1	0.14
(1,124)	1:692:C:LEU:HD12	1:691:C:SER:HB2	1	0.14
(1,124)	1:692:C:LEU:HD12	1:691:C:SER:HB3	1	0.14
(1,124)	1:692:C:LEU:HD13	1:691:C:SER:HB2	1	0.14
(1,124)	1:692:C:LEU:HD13	1:691:C:SER:HB3	1	0.14
(1,124)	1:692:C:LEU:HD11	1:691:C:SER:HB2	3	0.14
(1,124)	1:692:C:LEU:HD11	1:691:C:SER:HB3	3	0.14
(1,124)	1:692:C:LEU:HD12	1:691:C:SER:HB2	3	0.14
(1,124)	1:692:C:LEU:HD12	1:691:C:SER:HB3	3	0.14
(1,124)	1:692:C:LEU:HD13	1:691:C:SER:HB2	3	0.14
(1,124)	1:692:C:LEU:HD13	1:691:C:SER:HB3	3	0.14
(1,111)	1:686:C:ILE:HD11	1:685:C:PHE:HD1	13	0.14
(1,111)	1:686:C:ILE:HD11	1:685:C:PHE:HD2	13	0.14
(1,111)	1:686:C:ILE:HD12	1:685:C:PHE:HD1	13	0.14
(1,111)	1:686:C:ILE:HD12	1:685:C:PHE:HD2	13	0.14
(1,111)	1:686:C:ILE:HD13	1:685:C:PHE:HD1	13	0.14
(1,111)	1:686:C:ILE:HD13	1:685:C:PHE:HD2	13	0.14
(1,99)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	8	0.14
(1,99)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	8	0.14
(1,99)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	8	0.14
(1,99)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	8	0.14
(1,99)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	8	0.14
(1,99)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	8	0.14
(1,92)	1:682:C:ILE:HD11	1:681:C:TYR:H	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,92)	1:682:C:ILE:HD12	1:681:C:TYR:H	2	0.14
(1,92)	1:682:C:ILE:HD13	1:681:C:TYR:H	2	0.14
(1,583)	1:713:C:SER:H	1:712:C:TYR:H	4	0.13
(1,583)	1:713:C:SER:H	1:712:C:TYR:H	5	0.13
(1,583)	1:713:C:SER:H	1:712:C:TYR:H	6	0.13
(1,583)	1:713:C:SER:H	1:712:C:TYR:H	13	0.13
(1,581)	1:712:C:TYR:H	1:713:C:SER:H	4	0.13
(1,581)	1:712:C:TYR:H	1:713:C:SER:H	5	0.13
(1,581)	1:712:C:TYR:H	1:713:C:SER:H	6	0.13
(1,581)	1:712:C:TYR:H	1:713:C:SER:H	13	0.13
(1,563)	1:710:C:GLN:H	1:708:C:VAL:HA	10	0.13
(1,563)	1:710:C:GLN:H	1:708:C:VAL:HA	13	0.13
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG2	1	0.13
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG3	1	0.13
(1,539)	1:707:C:ARG:H	1:704:C:LEU:HA	1	0.13
(1,539)	1:707:C:ARG:H	1:704:C:LEU:HA	12	0.13
(1,521)	1:705:C:VAL:H	1:702:C:LEU:HA	2	0.13
(1,511)	1:704:C:LEU:H	1:703:C:SER:HA	6	0.13
(1,511)	1:704:C:LEU:H	1:703:C:SER:HA	11	0.13
(1,511)	1:704:C:LEU:H	1:703:C:SER:HA	12	0.13
(1,505)	1:702:C:LEU:HD21	1:706:C:ASN:HD21	1	0.13
(1,505)	1:702:C:LEU:HD21	1:706:C:ASN:HD22	1	0.13
(1,505)	1:702:C:LEU:HD22	1:706:C:ASN:HD21	1	0.13
(1,505)	1:702:C:LEU:HD22	1:706:C:ASN:HD22	1	0.13
(1,505)	1:702:C:LEU:HD23	1:706:C:ASN:HD21	1	0.13
(1,505)	1:702:C:LEU:HD23	1:706:C:ASN:HD22	1	0.13
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	6	0.13
(1,504)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	6	0.13
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	6	0.13
(1,504)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	6	0.13
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	6	0.13
(1,504)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	6	0.13
(1,483)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	4	0.13
(1,483)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	4	0.13
(1,483)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	4	0.13
(1,483)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	4	0.13
(1,483)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	4	0.13
(1,483)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	4	0.13
(1,482)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	14	0.13
(1,482)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	14	0.13
(1,482)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	14	0.13
(1,482)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,482)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	14	0.13
(1,482)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	14	0.13
(1,472)	1:695:C:LEU:HD21	1:698:C:VAL:H	15	0.13
(1,472)	1:695:C:LEU:HD22	1:698:C:VAL:H	15	0.13
(1,472)	1:695:C:LEU:HD23	1:698:C:VAL:H	15	0.13
(1,468)	1:695:C:LEU:H	1:694:C:GLY:H	10	0.13
(1,464)	1:693:C:ILE:HG21	1:693:C:ILE:H	4	0.13
(1,464)	1:693:C:ILE:HG22	1:693:C:ILE:H	4	0.13
(1,464)	1:693:C:ILE:HG23	1:693:C:ILE:H	4	0.13
(1,461)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	10	0.13
(1,461)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	10	0.13
(1,461)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	10	0.13
(1,461)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	10	0.13
(1,461)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	10	0.13
(1,461)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	10	0.13
(1,426)	1:682:C:ILE:HD11	1:681:C:TYR:H	14	0.13
(1,426)	1:682:C:ILE:HD12	1:681:C:TYR:H	14	0.13
(1,426)	1:682:C:ILE:HD13	1:681:C:TYR:H	14	0.13
(1,419)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	12	0.13
(1,419)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	12	0.13
(1,419)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	12	0.13
(1,419)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	12	0.13
(1,419)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	12	0.13
(1,419)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	12	0.13
(1,416)	1:713:C:SER:H	1:712:C:TYR:H	4	0.13
(1,416)	1:713:C:SER:H	1:712:C:TYR:H	5	0.13
(1,416)	1:713:C:SER:H	1:712:C:TYR:H	6	0.13
(1,416)	1:713:C:SER:H	1:712:C:TYR:H	13	0.13
(1,414)	1:712:C:TYR:H	1:713:C:SER:H	4	0.13
(1,414)	1:712:C:TYR:H	1:713:C:SER:H	5	0.13
(1,414)	1:712:C:TYR:H	1:713:C:SER:H	6	0.13
(1,414)	1:712:C:TYR:H	1:713:C:SER:H	13	0.13
(1,396)	1:710:C:GLN:H	1:708:C:VAL:HA	10	0.13
(1,396)	1:710:C:GLN:H	1:708:C:VAL:HA	13	0.13
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG2	1	0.13
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG3	1	0.13
(1,372)	1:707:C:ARG:H	1:704:C:LEU:HA	1	0.13
(1,372)	1:707:C:ARG:H	1:704:C:LEU:HA	12	0.13
(1,354)	1:705:C:VAL:H	1:702:C:LEU:HA	2	0.13
(1,344)	1:704:C:LEU:H	1:703:C:SER:HA	6	0.13
(1,344)	1:704:C:LEU:H	1:703:C:SER:HA	11	0.13
(1,344)	1:704:C:LEU:H	1:703:C:SER:HA	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,338)	1:702:C:LEU:HD21	1:706:C:ASN:HD21	1	0.13
(1,338)	1:702:C:LEU:HD21	1:706:C:ASN:HD22	1	0.13
(1,338)	1:702:C:LEU:HD22	1:706:C:ASN:HD21	1	0.13
(1,338)	1:702:C:LEU:HD22	1:706:C:ASN:HD22	1	0.13
(1,338)	1:702:C:LEU:HD23	1:706:C:ASN:HD21	1	0.13
(1,338)	1:702:C:LEU:HD23	1:706:C:ASN:HD22	1	0.13
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	6	0.13
(1,337)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	6	0.13
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	6	0.13
(1,337)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	6	0.13
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	6	0.13
(1,337)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	6	0.13
(1,316)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	4	0.13
(1,316)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	4	0.13
(1,316)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	4	0.13
(1,316)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	4	0.13
(1,316)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	4	0.13
(1,316)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	4	0.13
(1,315)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	14	0.13
(1,315)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	14	0.13
(1,315)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	14	0.13
(1,315)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	14	0.13
(1,315)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	14	0.13
(1,315)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	14	0.13
(1,305)	1:695:C:LEU:HD21	1:698:C:VAL:H	15	0.13
(1,305)	1:695:C:LEU:HD22	1:698:C:VAL:H	15	0.13
(1,305)	1:695:C:LEU:HD23	1:698:C:VAL:H	15	0.13
(1,301)	1:695:C:LEU:H	1:694:C:GLY:H	10	0.13
(1,297)	1:693:C:ILE:HG21	1:693:C:ILE:H	4	0.13
(1,297)	1:693:C:ILE:HG22	1:693:C:ILE:H	4	0.13
(1,297)	1:693:C:ILE:HG23	1:693:C:ILE:H	4	0.13
(1,294)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	10	0.13
(1,294)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	10	0.13
(1,294)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	10	0.13
(1,294)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	10	0.13
(1,294)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	10	0.13
(1,294)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	10	0.13
(1,259)	1:682:C:ILE:HD11	1:681:C:TYR:H	14	0.13
(1,259)	1:682:C:ILE:HD12	1:681:C:TYR:H	14	0.13
(1,259)	1:682:C:ILE:HD13	1:681:C:TYR:H	14	0.13
(1,252)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	12	0.13
(1,252)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,252)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	12	0.13
(1,252)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	12	0.13
(1,252)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	12	0.13
(1,252)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	12	0.13
(1,249)	1:713:C:SER:H	1:712:C:TYR:H	4	0.13
(1,249)	1:713:C:SER:H	1:712:C:TYR:H	5	0.13
(1,249)	1:713:C:SER:H	1:712:C:TYR:H	6	0.13
(1,249)	1:713:C:SER:H	1:712:C:TYR:H	13	0.13
(1,247)	1:712:C:TYR:H	1:713:C:SER:H	4	0.13
(1,247)	1:712:C:TYR:H	1:713:C:SER:H	5	0.13
(1,247)	1:712:C:TYR:H	1:713:C:SER:H	6	0.13
(1,247)	1:712:C:TYR:H	1:713:C:SER:H	13	0.13
(1,229)	1:710:C:GLN:H	1:708:C:VAL:HA	10	0.13
(1,229)	1:710:C:GLN:H	1:708:C:VAL:HA	13	0.13
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG2	1	0.13
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG3	1	0.13
(1,205)	1:707:C:ARG:H	1:704:C:LEU:HA	1	0.13
(1,205)	1:707:C:ARG:H	1:704:C:LEU:HA	12	0.13
(1,187)	1:705:C:VAL:H	1:702:C:LEU:HA	2	0.13
(1,177)	1:704:C:LEU:H	1:703:C:SER:HA	6	0.13
(1,177)	1:704:C:LEU:H	1:703:C:SER:HA	11	0.13
(1,177)	1:704:C:LEU:H	1:703:C:SER:HA	12	0.13
(1,171)	1:702:C:LEU:HD21	1:706:C:ASN:HD21	1	0.13
(1,171)	1:702:C:LEU:HD21	1:706:C:ASN:HD22	1	0.13
(1,171)	1:702:C:LEU:HD22	1:706:C:ASN:HD21	1	0.13
(1,171)	1:702:C:LEU:HD22	1:706:C:ASN:HD22	1	0.13
(1,171)	1:702:C:LEU:HD23	1:706:C:ASN:HD21	1	0.13
(1,171)	1:702:C:LEU:HD23	1:706:C:ASN:HD22	1	0.13
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	6	0.13
(1,170)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	6	0.13
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	6	0.13
(1,170)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	6	0.13
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	6	0.13
(1,170)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	6	0.13
(1,149)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	4	0.13
(1,149)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	4	0.13
(1,149)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	4	0.13
(1,149)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	4	0.13
(1,149)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	4	0.13
(1,149)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	4	0.13
(1,148)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	14	0.13
(1,148)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,148)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	14	0.13
(1,148)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	14	0.13
(1,148)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	14	0.13
(1,148)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	14	0.13
(1,138)	1:695:C:LEU:HD21	1:698:C:VAL:H	15	0.13
(1,138)	1:695:C:LEU:HD22	1:698:C:VAL:H	15	0.13
(1,138)	1:695:C:LEU:HD23	1:698:C:VAL:H	15	0.13
(1,134)	1:695:C:LEU:H	1:694:C:GLY:H	10	0.13
(1,130)	1:693:C:ILE:HG21	1:693:C:ILE:H	4	0.13
(1,130)	1:693:C:ILE:HG22	1:693:C:ILE:H	4	0.13
(1,130)	1:693:C:ILE:HG23	1:693:C:ILE:H	4	0.13
(1,127)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	10	0.13
(1,127)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	10	0.13
(1,127)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	10	0.13
(1,127)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	10	0.13
(1,127)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	10	0.13
(1,127)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	10	0.13
(1,92)	1:682:C:ILE:HD11	1:681:C:TYR:H	14	0.13
(1,92)	1:682:C:ILE:HD12	1:681:C:TYR:H	14	0.13
(1,92)	1:682:C:ILE:HD13	1:681:C:TYR:H	14	0.13
(1,85)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	12	0.13
(1,85)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	12	0.13
(1,85)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	12	0.13
(1,85)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	12	0.13
(1,85)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	12	0.13
(1,85)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	12	0.13
(1,583)	1:713:C:SER:H	1:712:C:TYR:H	3	0.12
(1,583)	1:713:C:SER:H	1:712:C:TYR:H	7	0.12
(1,583)	1:713:C:SER:H	1:712:C:TYR:H	14	0.12
(1,581)	1:712:C:TYR:H	1:713:C:SER:H	3	0.12
(1,581)	1:712:C:TYR:H	1:713:C:SER:H	7	0.12
(1,581)	1:712:C:TYR:H	1:713:C:SER:H	14	0.12
(1,563)	1:710:C:GLN:H	1:708:C:VAL:HA	11	0.12
(1,562)	1:709:C:ARG:HE	1:709:C:ARG:H	2	0.12
(1,554)	1:708:C:VAL:HG21	1:705:C:VAL:HA	3	0.12
(1,554)	1:708:C:VAL:HG22	1:705:C:VAL:HA	3	0.12
(1,554)	1:708:C:VAL:HG23	1:705:C:VAL:HA	3	0.12
(1,554)	1:708:C:VAL:HG21	1:705:C:VAL:HA	5	0.12
(1,554)	1:708:C:VAL:HG22	1:705:C:VAL:HA	5	0.12
(1,554)	1:708:C:VAL:HG23	1:705:C:VAL:HA	5	0.12
(1,554)	1:708:C:VAL:HG21	1:705:C:VAL:HA	7	0.12
(1,554)	1:708:C:VAL:HG22	1:705:C:VAL:HA	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,554)	1:708:C:VAL:HG23	1:705:C:VAL:HA	7	0.12
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD11	7	0.12
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD12	7	0.12
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD13	7	0.12
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD21	7	0.12
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD22	7	0.12
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD23	7	0.12
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG2	4	0.12
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG3	4	0.12
(1,539)	1:707:C:ARG:H	1:704:C:LEU:HA	2	0.12
(1,539)	1:707:C:ARG:H	1:704:C:LEU:HA	13	0.12
(1,511)	1:704:C:LEU:H	1:703:C:SER:HA	1	0.12
(1,476)	1:696:C:ARG:H	1:696:C:ARG:HE	9	0.12
(1,473)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	6	0.12
(1,473)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	6	0.12
(1,473)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	6	0.12
(1,473)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	6	0.12
(1,473)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	6	0.12
(1,473)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	6	0.12
(1,464)	1:693:C:ILE:HG21	1:693:C:ILE:H	1	0.12
(1,464)	1:693:C:ILE:HG22	1:693:C:ILE:H	1	0.12
(1,464)	1:693:C:ILE:HG23	1:693:C:ILE:H	1	0.12
(1,450)	1:688:C:ILE:HG21	1:692:C:LEU:HG	6	0.12
(1,450)	1:688:C:ILE:HG22	1:692:C:LEU:HG	6	0.12
(1,450)	1:688:C:ILE:HG23	1:692:C:LEU:HG	6	0.12
(1,449)	1:688:C:ILE:HD11	1:684:C:ILE:HD11	14	0.12
(1,449)	1:688:C:ILE:HD11	1:684:C:ILE:HD12	14	0.12
(1,449)	1:688:C:ILE:HD11	1:684:C:ILE:HD13	14	0.12
(1,449)	1:688:C:ILE:HD12	1:684:C:ILE:HD11	14	0.12
(1,449)	1:688:C:ILE:HD12	1:684:C:ILE:HD12	14	0.12
(1,449)	1:688:C:ILE:HD12	1:684:C:ILE:HD13	14	0.12
(1,449)	1:688:C:ILE:HD13	1:684:C:ILE:HD11	14	0.12
(1,449)	1:688:C:ILE:HD13	1:684:C:ILE:HD12	14	0.12
(1,449)	1:688:C:ILE:HD13	1:684:C:ILE:HD13	14	0.12
(1,443)	1:686:C:ILE:HD11	1:683:C:ARG:HA	7	0.12
(1,443)	1:686:C:ILE:HD12	1:683:C:ARG:HA	7	0.12
(1,443)	1:686:C:ILE:HD13	1:683:C:ARG:HA	7	0.12
(1,443)	1:686:C:ILE:HD11	1:683:C:ARG:HA	14	0.12
(1,443)	1:686:C:ILE:HD12	1:683:C:ARG:HA	14	0.12
(1,443)	1:686:C:ILE:HD13	1:683:C:ARG:HA	14	0.12
(1,431)	1:684:C:ILE:HD11	1:681:C:TYR:HA	7	0.12
(1,431)	1:684:C:ILE:HD12	1:681:C:TYR:HA	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,431)	1:684:C:ILE:HD13	1:681:C:TYR:HA	7	0.12
(1,426)	1:682:C:ILE:HD11	1:681:C:TYR:H	13	0.12
(1,426)	1:682:C:ILE:HD12	1:681:C:TYR:H	13	0.12
(1,426)	1:682:C:ILE:HD13	1:681:C:TYR:H	13	0.12
(1,419)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	13	0.12
(1,419)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	13	0.12
(1,419)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	13	0.12
(1,419)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	13	0.12
(1,419)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	13	0.12
(1,419)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	13	0.12
(1,416)	1:713:C:SER:H	1:712:C:TYR:H	3	0.12
(1,416)	1:713:C:SER:H	1:712:C:TYR:H	7	0.12
(1,416)	1:713:C:SER:H	1:712:C:TYR:H	14	0.12
(1,414)	1:712:C:TYR:H	1:713:C:SER:H	3	0.12
(1,414)	1:712:C:TYR:H	1:713:C:SER:H	7	0.12
(1,414)	1:712:C:TYR:H	1:713:C:SER:H	14	0.12
(1,396)	1:710:C:GLN:H	1:708:C:VAL:HA	11	0.12
(1,395)	1:709:C:ARG:HE	1:709:C:ARG:H	2	0.12
(1,387)	1:708:C:VAL:HG21	1:705:C:VAL:HA	3	0.12
(1,387)	1:708:C:VAL:HG22	1:705:C:VAL:HA	3	0.12
(1,387)	1:708:C:VAL:HG23	1:705:C:VAL:HA	3	0.12
(1,387)	1:708:C:VAL:HG21	1:705:C:VAL:HA	5	0.12
(1,387)	1:708:C:VAL:HG22	1:705:C:VAL:HA	5	0.12
(1,387)	1:708:C:VAL:HG23	1:705:C:VAL:HA	5	0.12
(1,387)	1:708:C:VAL:HG21	1:705:C:VAL:HA	7	0.12
(1,387)	1:708:C:VAL:HG22	1:705:C:VAL:HA	7	0.12
(1,387)	1:708:C:VAL:HG23	1:705:C:VAL:HA	7	0.12
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD11	7	0.12
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD12	7	0.12
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD13	7	0.12
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD21	7	0.12
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD22	7	0.12
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD23	7	0.12
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG2	4	0.12
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG3	4	0.12
(1,372)	1:707:C:ARG:H	1:704:C:LEU:HA	2	0.12
(1,372)	1:707:C:ARG:H	1:704:C:LEU:HA	13	0.12
(1,344)	1:704:C:LEU:H	1:703:C:SER:HA	1	0.12
(1,309)	1:696:C:ARG:H	1:696:C:ARG:HE	9	0.12
(1,306)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	6	0.12
(1,306)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	6	0.12
(1,306)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,306)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	6	0.12
(1,306)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	6	0.12
(1,306)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	6	0.12
(1,297)	1:693:C:ILE:HG21	1:693:C:ILE:H	1	0.12
(1,297)	1:693:C:ILE:HG22	1:693:C:ILE:H	1	0.12
(1,297)	1:693:C:ILE:HG23	1:693:C:ILE:H	1	0.12
(1,283)	1:688:C:ILE:HG21	1:692:C:LEU:HG	6	0.12
(1,283)	1:688:C:ILE:HG22	1:692:C:LEU:HG	6	0.12
(1,283)	1:688:C:ILE:HG23	1:692:C:LEU:HG	6	0.12
(1,282)	1:688:C:ILE:HD11	1:684:C:ILE:HD11	14	0.12
(1,282)	1:688:C:ILE:HD11	1:684:C:ILE:HD12	14	0.12
(1,282)	1:688:C:ILE:HD11	1:684:C:ILE:HD13	14	0.12
(1,282)	1:688:C:ILE:HD12	1:684:C:ILE:HD11	14	0.12
(1,282)	1:688:C:ILE:HD12	1:684:C:ILE:HD12	14	0.12
(1,282)	1:688:C:ILE:HD12	1:684:C:ILE:HD13	14	0.12
(1,282)	1:688:C:ILE:HD13	1:684:C:ILE:HD11	14	0.12
(1,282)	1:688:C:ILE:HD13	1:684:C:ILE:HD12	14	0.12
(1,282)	1:688:C:ILE:HD13	1:684:C:ILE:HD13	14	0.12
(1,276)	1:686:C:ILE:HD11	1:683:C:ARG:HA	7	0.12
(1,276)	1:686:C:ILE:HD12	1:683:C:ARG:HA	7	0.12
(1,276)	1:686:C:ILE:HD13	1:683:C:ARG:HA	7	0.12
(1,276)	1:686:C:ILE:HD11	1:683:C:ARG:HA	14	0.12
(1,276)	1:686:C:ILE:HD12	1:683:C:ARG:HA	14	0.12
(1,276)	1:686:C:ILE:HD13	1:683:C:ARG:HA	14	0.12
(1,264)	1:684:C:ILE:HD11	1:681:C:TYR:HA	7	0.12
(1,264)	1:684:C:ILE:HD12	1:681:C:TYR:HA	7	0.12
(1,264)	1:684:C:ILE:HD13	1:681:C:TYR:HA	7	0.12
(1,259)	1:682:C:ILE:HD11	1:681:C:TYR:H	13	0.12
(1,259)	1:682:C:ILE:HD12	1:681:C:TYR:H	13	0.12
(1,259)	1:682:C:ILE:HD13	1:681:C:TYR:H	13	0.12
(1,252)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	13	0.12
(1,252)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	13	0.12
(1,252)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	13	0.12
(1,252)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	13	0.12
(1,252)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	13	0.12
(1,252)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	13	0.12
(1,249)	1:713:C:SER:H	1:712:C:TYR:H	3	0.12
(1,249)	1:713:C:SER:H	1:712:C:TYR:H	7	0.12
(1,249)	1:713:C:SER:H	1:712:C:TYR:H	14	0.12
(1,247)	1:712:C:TYR:H	1:713:C:SER:H	3	0.12
(1,247)	1:712:C:TYR:H	1:713:C:SER:H	7	0.12
(1,247)	1:712:C:TYR:H	1:713:C:SER:H	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:710:C:GLN:H	1:708:C:VAL:HA	11	0.12
(1,228)	1:709:C:ARG:HE	1:709:C:ARG:H	2	0.12
(1,220)	1:708:C:VAL:HG21	1:705:C:VAL:HA	3	0.12
(1,220)	1:708:C:VAL:HG22	1:705:C:VAL:HA	3	0.12
(1,220)	1:708:C:VAL:HG23	1:705:C:VAL:HA	3	0.12
(1,220)	1:708:C:VAL:HG21	1:705:C:VAL:HA	5	0.12
(1,220)	1:708:C:VAL:HG22	1:705:C:VAL:HA	5	0.12
(1,220)	1:708:C:VAL:HG23	1:705:C:VAL:HA	5	0.12
(1,220)	1:708:C:VAL:HG21	1:705:C:VAL:HA	7	0.12
(1,220)	1:708:C:VAL:HG22	1:705:C:VAL:HA	7	0.12
(1,220)	1:708:C:VAL:HG23	1:705:C:VAL:HA	7	0.12
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD11	7	0.12
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD12	7	0.12
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD13	7	0.12
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD21	7	0.12
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD22	7	0.12
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD23	7	0.12
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG2	4	0.12
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG3	4	0.12
(1,205)	1:707:C:ARG:H	1:704:C:LEU:HA	2	0.12
(1,205)	1:707:C:ARG:H	1:704:C:LEU:HA	13	0.12
(1,177)	1:704:C:LEU:H	1:703:C:SER:HA	1	0.12
(1,142)	1:696:C:ARG:H	1:696:C:ARG:HE	9	0.12
(1,139)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	6	0.12
(1,139)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	6	0.12
(1,139)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	6	0.12
(1,139)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	6	0.12
(1,139)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	6	0.12
(1,139)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	6	0.12
(1,130)	1:693:C:ILE:HG21	1:693:C:ILE:H	1	0.12
(1,130)	1:693:C:ILE:HG22	1:693:C:ILE:H	1	0.12
(1,130)	1:693:C:ILE:HG23	1:693:C:ILE:H	1	0.12
(1,116)	1:688:C:ILE:HG21	1:692:C:LEU:HG	6	0.12
(1,116)	1:688:C:ILE:HG22	1:692:C:LEU:HG	6	0.12
(1,116)	1:688:C:ILE:HG23	1:692:C:LEU:HG	6	0.12
(1,115)	1:688:C:ILE:HD11	1:684:C:ILE:HD11	14	0.12
(1,115)	1:688:C:ILE:HD11	1:684:C:ILE:HD12	14	0.12
(1,115)	1:688:C:ILE:HD11	1:684:C:ILE:HD13	14	0.12
(1,115)	1:688:C:ILE:HD12	1:684:C:ILE:HD11	14	0.12
(1,115)	1:688:C:ILE:HD12	1:684:C:ILE:HD12	14	0.12
(1,115)	1:688:C:ILE:HD12	1:684:C:ILE:HD13	14	0.12
(1,115)	1:688:C:ILE:HD13	1:684:C:ILE:HD11	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:688:C:ILE:HD13	1:684:C:ILE:HD12	14	0.12
(1,115)	1:688:C:ILE:HD13	1:684:C:ILE:HD13	14	0.12
(1,109)	1:686:C:ILE:HD11	1:683:C:ARG:HA	7	0.12
(1,109)	1:686:C:ILE:HD12	1:683:C:ARG:HA	7	0.12
(1,109)	1:686:C:ILE:HD13	1:683:C:ARG:HA	7	0.12
(1,109)	1:686:C:ILE:HD11	1:683:C:ARG:HA	14	0.12
(1,109)	1:686:C:ILE:HD12	1:683:C:ARG:HA	14	0.12
(1,109)	1:686:C:ILE:HD13	1:683:C:ARG:HA	14	0.12
(1,97)	1:684:C:ILE:HD11	1:681:C:TYR:HA	7	0.12
(1,97)	1:684:C:ILE:HD12	1:681:C:TYR:HA	7	0.12
(1,97)	1:684:C:ILE:HD13	1:681:C:TYR:HA	7	0.12
(1,92)	1:682:C:ILE:HD11	1:681:C:TYR:H	13	0.12
(1,92)	1:682:C:ILE:HD12	1:681:C:TYR:H	13	0.12
(1,92)	1:682:C:ILE:HD13	1:681:C:TYR:H	13	0.12
(1,85)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	13	0.12
(1,85)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	13	0.12
(1,85)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	13	0.12
(1,85)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	13	0.12
(1,85)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	13	0.12
(1,85)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	13	0.12
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	3	0.12
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	3	0.12
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	3	0.12
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	3	0.12
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	3	0.12
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	3	0.12
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	3	0.12
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	3	0.12
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	3	0.12
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	3	0.12
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	3	0.12
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	3	0.12
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	3	0.12
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	3	0.12
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	3	0.12
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	3	0.12
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	3	0.12
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	3	0.12
(1,583)	1:713:C:SER:H	1:712:C:TYR:H	12	0.11
(1,581)	1:712:C:TYR:H	1:713:C:SER:H	12	0.11
(1,571)	1:711:C:GLY:H	1:707:C:ARG:HG2	7	0.11
(1,571)	1:711:C:GLY:H	1:707:C:ARG:HG3	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:711:C:GLY:H	1:707:C:ARG:HG2	10	0.11
(1,571)	1:711:C:GLY:H	1:707:C:ARG:HG3	10	0.11
(1,562)	1:709:C:ARG:HE	1:709:C:ARG:H	3	0.11
(1,554)	1:708:C:VAL:HG21	1:705:C:VAL:HA	13	0.11
(1,554)	1:708:C:VAL:HG22	1:705:C:VAL:HA	13	0.11
(1,554)	1:708:C:VAL:HG23	1:705:C:VAL:HA	13	0.11
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD11	3	0.11
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD12	3	0.11
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD13	3	0.11
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD21	3	0.11
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD22	3	0.11
(1,547)	1:707:C:ARG:HE	1:704:C:LEU:HD23	3	0.11
(1,520)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	15	0.11
(1,520)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	15	0.11
(1,520)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	15	0.11
(1,520)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	15	0.11
(1,520)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	15	0.11
(1,520)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	15	0.11
(1,520)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	15	0.11
(1,520)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	15	0.11
(1,520)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	15	0.11
(1,503)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	10	0.11
(1,503)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	10	0.11
(1,503)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	10	0.11
(1,503)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	10	0.11
(1,503)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	10	0.11
(1,503)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	10	0.11
(1,499)	1:702:C:LEU:H	1:699:C:PHE:HA	7	0.11
(1,476)	1:696:C:ARG:H	1:696:C:ARG:HE	15	0.11
(1,473)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	5	0.11
(1,473)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	5	0.11
(1,473)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	5	0.11
(1,473)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	5	0.11
(1,473)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	5	0.11
(1,473)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	5	0.11
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB2	13	0.11
(1,469)	1:695:C:LEU:HD11	1:691:C:SER:HB3	13	0.11
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB2	13	0.11
(1,469)	1:695:C:LEU:HD12	1:691:C:SER:HB3	13	0.11
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB2	13	0.11
(1,469)	1:695:C:LEU:HD13	1:691:C:SER:HB3	13	0.11
(1,467)	1:695:C:LEU:H	1:691:C:SER:HA	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,462)	1:693:C:ILE:HD11	1:697:C:ILE:H	14	0.11
(1,462)	1:693:C:ILE:HD12	1:697:C:ILE:H	14	0.11
(1,462)	1:693:C:ILE:HD13	1:697:C:ILE:H	14	0.11
(1,459)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	14	0.11
(1,459)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	14	0.11
(1,458)	1:692:C:LEU:HD11	1:691:C:SER:HB2	12	0.11
(1,458)	1:692:C:LEU:HD11	1:691:C:SER:HB3	12	0.11
(1,458)	1:692:C:LEU:HD12	1:691:C:SER:HB2	12	0.11
(1,458)	1:692:C:LEU:HD12	1:691:C:SER:HB3	12	0.11
(1,458)	1:692:C:LEU:HD13	1:691:C:SER:HB2	12	0.11
(1,458)	1:692:C:LEU:HD13	1:691:C:SER:HB3	12	0.11
(1,456)	1:692:C:LEU:HD11	1:689:C:VAL:HA	9	0.11
(1,456)	1:692:C:LEU:HD12	1:689:C:VAL:HA	9	0.11
(1,456)	1:692:C:LEU:HD13	1:689:C:VAL:HA	9	0.11
(1,456)	1:692:C:LEU:HD11	1:689:C:VAL:HA	14	0.11
(1,456)	1:692:C:LEU:HD12	1:689:C:VAL:HA	14	0.11
(1,456)	1:692:C:LEU:HD13	1:689:C:VAL:HA	14	0.11
(1,450)	1:688:C:ILE:HG21	1:692:C:LEU:HG	4	0.11
(1,450)	1:688:C:ILE:HG22	1:692:C:LEU:HG	4	0.11
(1,450)	1:688:C:ILE:HG23	1:692:C:LEU:HG	4	0.11
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	1	0.11
(1,437)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	1	0.11
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	1	0.11
(1,437)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	1	0.11
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	1	0.11
(1,437)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	1	0.11
(1,416)	1:713:C:SER:H	1:712:C:TYR:H	12	0.11
(1,414)	1:712:C:TYR:H	1:713:C:SER:H	12	0.11
(1,404)	1:711:C:GLY:H	1:707:C:ARG:HG2	7	0.11
(1,404)	1:711:C:GLY:H	1:707:C:ARG:HG3	7	0.11
(1,404)	1:711:C:GLY:H	1:707:C:ARG:HG2	10	0.11
(1,404)	1:711:C:GLY:H	1:707:C:ARG:HG3	10	0.11
(1,395)	1:709:C:ARG:HE	1:709:C:ARG:H	3	0.11
(1,387)	1:708:C:VAL:HG21	1:705:C:VAL:HA	13	0.11
(1,387)	1:708:C:VAL:HG22	1:705:C:VAL:HA	13	0.11
(1,387)	1:708:C:VAL:HG23	1:705:C:VAL:HA	13	0.11
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD11	3	0.11
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD12	3	0.11
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD13	3	0.11
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD21	3	0.11
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD22	3	0.11
(1,380)	1:707:C:ARG:HE	1:704:C:LEU:HD23	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	15	0.11
(1,353)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	15	0.11
(1,353)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	15	0.11
(1,353)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	15	0.11
(1,353)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	15	0.11
(1,353)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	15	0.11
(1,353)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	15	0.11
(1,353)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	15	0.11
(1,353)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	15	0.11
(1,336)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	10	0.11
(1,336)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	10	0.11
(1,336)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	10	0.11
(1,336)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	10	0.11
(1,336)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	10	0.11
(1,336)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	10	0.11
(1,332)	1:702:C:LEU:H	1:699:C:PHE:HA	7	0.11
(1,309)	1:696:C:ARG:H	1:696:C:ARG:HE	15	0.11
(1,306)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	5	0.11
(1,306)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	5	0.11
(1,306)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	5	0.11
(1,306)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	5	0.11
(1,306)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	5	0.11
(1,306)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	5	0.11
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB2	13	0.11
(1,302)	1:695:C:LEU:HD11	1:691:C:SER:HB3	13	0.11
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB2	13	0.11
(1,302)	1:695:C:LEU:HD12	1:691:C:SER:HB3	13	0.11
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB2	13	0.11
(1,302)	1:695:C:LEU:HD13	1:691:C:SER:HB3	13	0.11
(1,300)	1:695:C:LEU:H	1:691:C:SER:HA	15	0.11
(1,295)	1:693:C:ILE:HD11	1:697:C:ILE:H	14	0.11
(1,295)	1:693:C:ILE:HD12	1:697:C:ILE:H	14	0.11
(1,295)	1:693:C:ILE:HD13	1:697:C:ILE:H	14	0.11
(1,292)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	14	0.11
(1,292)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	14	0.11
(1,291)	1:692:C:LEU:HD11	1:691:C:SER:HB2	12	0.11
(1,291)	1:692:C:LEU:HD11	1:691:C:SER:HB3	12	0.11
(1,291)	1:692:C:LEU:HD12	1:691:C:SER:HB2	12	0.11
(1,291)	1:692:C:LEU:HD12	1:691:C:SER:HB3	12	0.11
(1,291)	1:692:C:LEU:HD13	1:691:C:SER:HB2	12	0.11
(1,291)	1:692:C:LEU:HD13	1:691:C:SER:HB3	12	0.11
(1,289)	1:692:C:LEU:HD11	1:689:C:VAL:HA	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,289)	1:692:C:LEU:HD12	1:689:C:VAL:HA	9	0.11
(1,289)	1:692:C:LEU:HD13	1:689:C:VAL:HA	9	0.11
(1,289)	1:692:C:LEU:HD11	1:689:C:VAL:HA	14	0.11
(1,289)	1:692:C:LEU:HD12	1:689:C:VAL:HA	14	0.11
(1,289)	1:692:C:LEU:HD13	1:689:C:VAL:HA	14	0.11
(1,283)	1:688:C:ILE:HG21	1:692:C:LEU:HG	4	0.11
(1,283)	1:688:C:ILE:HG22	1:692:C:LEU:HG	4	0.11
(1,283)	1:688:C:ILE:HG23	1:692:C:LEU:HG	4	0.11
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	1	0.11
(1,270)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	1	0.11
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	1	0.11
(1,270)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	1	0.11
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	1	0.11
(1,270)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	1	0.11
(1,249)	1:713:C:SER:H	1:712:C:TYR:H	12	0.11
(1,247)	1:712:C:TYR:H	1:713:C:SER:H	12	0.11
(1,237)	1:711:C:GLY:H	1:707:C:ARG:HG2	7	0.11
(1,237)	1:711:C:GLY:H	1:707:C:ARG:HG3	7	0.11
(1,237)	1:711:C:GLY:H	1:707:C:ARG:HG2	10	0.11
(1,237)	1:711:C:GLY:H	1:707:C:ARG:HG3	10	0.11
(1,228)	1:709:C:ARG:HE	1:709:C:ARG:H	3	0.11
(1,220)	1:708:C:VAL:HG21	1:705:C:VAL:HA	13	0.11
(1,220)	1:708:C:VAL:HG22	1:705:C:VAL:HA	13	0.11
(1,220)	1:708:C:VAL:HG23	1:705:C:VAL:HA	13	0.11
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD11	3	0.11
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD12	3	0.11
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD13	3	0.11
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD21	3	0.11
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD22	3	0.11
(1,213)	1:707:C:ARG:HE	1:704:C:LEU:HD23	3	0.11
(1,186)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	15	0.11
(1,186)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	15	0.11
(1,186)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	15	0.11
(1,186)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	15	0.11
(1,186)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	15	0.11
(1,186)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	15	0.11
(1,186)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	15	0.11
(1,186)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	15	0.11
(1,186)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	15	0.11
(1,169)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	10	0.11
(1,169)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	10	0.11
(1,169)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	10	0.11
(1,169)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	10	0.11
(1,169)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	10	0.11
(1,165)	1:702:C:LEU:H	1:699:C:PHE:HA	7	0.11
(1,142)	1:696:C:ARG:H	1:696:C:ARG:HE	15	0.11
(1,139)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	5	0.11
(1,139)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	5	0.11
(1,139)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	5	0.11
(1,139)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	5	0.11
(1,139)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	5	0.11
(1,139)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	5	0.11
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB2	13	0.11
(1,135)	1:695:C:LEU:HD11	1:691:C:SER:HB3	13	0.11
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB2	13	0.11
(1,135)	1:695:C:LEU:HD12	1:691:C:SER:HB3	13	0.11
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB2	13	0.11
(1,135)	1:695:C:LEU:HD13	1:691:C:SER:HB3	13	0.11
(1,133)	1:695:C:LEU:H	1:691:C:SER:HA	15	0.11
(1,128)	1:693:C:ILE:HD11	1:697:C:ILE:H	14	0.11
(1,128)	1:693:C:ILE:HD12	1:697:C:ILE:H	14	0.11
(1,128)	1:693:C:ILE:HD13	1:697:C:ILE:H	14	0.11
(1,125)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	14	0.11
(1,125)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	14	0.11
(1,124)	1:692:C:LEU:HD11	1:691:C:SER:HB2	12	0.11
(1,124)	1:692:C:LEU:HD11	1:691:C:SER:HB3	12	0.11
(1,124)	1:692:C:LEU:HD12	1:691:C:SER:HB2	12	0.11
(1,124)	1:692:C:LEU:HD12	1:691:C:SER:HB3	12	0.11
(1,124)	1:692:C:LEU:HD13	1:691:C:SER:HB2	12	0.11
(1,124)	1:692:C:LEU:HD13	1:691:C:SER:HB3	12	0.11
(1,122)	1:692:C:LEU:HD11	1:689:C:VAL:HA	9	0.11
(1,122)	1:692:C:LEU:HD12	1:689:C:VAL:HA	9	0.11
(1,122)	1:692:C:LEU:HD13	1:689:C:VAL:HA	9	0.11
(1,122)	1:692:C:LEU:HD11	1:689:C:VAL:HA	14	0.11
(1,122)	1:692:C:LEU:HD12	1:689:C:VAL:HA	14	0.11
(1,122)	1:692:C:LEU:HD13	1:689:C:VAL:HA	14	0.11
(1,116)	1:688:C:ILE:HG21	1:692:C:LEU:HG	4	0.11
(1,116)	1:688:C:ILE:HG22	1:692:C:LEU:HG	4	0.11
(1,116)	1:688:C:ILE:HG23	1:692:C:LEU:HG	4	0.11
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	1	0.11
(1,103)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	1	0.11
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	1	0.11
(1,103)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	1	0.11
(1,103)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	1	0.11
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	11	0.11
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	11	0.11
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	11	0.11
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	11	0.11
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	11	0.11
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	11	0.11
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	11	0.11
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	11	0.11
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	11	0.11
(1,563)	1:710:C:GLN:H	1:708:C:VAL:HA	3	0.1
(1,554)	1:708:C:VAL:HG21	1:705:C:VAL:HA	12	0.1
(1,554)	1:708:C:VAL:HG22	1:705:C:VAL:HA	12	0.1
(1,554)	1:708:C:VAL:HG23	1:705:C:VAL:HA	12	0.1
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG2	14	0.1
(1,545)	1:707:C:ARG:H	1:707:C:ARG:HG3	14	0.1
(1,528)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	1	0.1
(1,528)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	1	0.1
(1,528)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	1	0.1
(1,528)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	1	0.1
(1,528)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	1	0.1
(1,528)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	1	0.1
(1,515)	1:704:C:LEU:H	1:704:C:LEU:HB3	15	0.1
(1,503)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	6	0.1
(1,503)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	6	0.1
(1,503)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	6	0.1
(1,503)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	6	0.1
(1,503)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	6	0.1
(1,503)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	6	0.1
(1,498)	1:701:C:VAL:HG21	1:698:C:VAL:HA	3	0.1
(1,498)	1:701:C:VAL:HG22	1:698:C:VAL:HA	3	0.1
(1,498)	1:701:C:VAL:HG23	1:698:C:VAL:HA	3	0.1
(1,482)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	13	0.1
(1,482)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	13	0.1
(1,482)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	13	0.1
(1,482)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	13	0.1
(1,482)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	13	0.1
(1,482)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	13	0.1
(1,473)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	4	0.1
(1,473)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	4	0.1
(1,473)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	4	0.1
(1,473)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	4	0.1
(1,473)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	4	0.1
(1,456)	1:692:C:LEU:HD11	1:689:C:VAL:HA	12	0.1
(1,456)	1:692:C:LEU:HD12	1:689:C:VAL:HA	12	0.1
(1,456)	1:692:C:LEU:HD13	1:689:C:VAL:HA	12	0.1
(1,431)	1:684:C:ILE:HD11	1:681:C:TYR:HA	9	0.1
(1,431)	1:684:C:ILE:HD12	1:681:C:TYR:HA	9	0.1
(1,431)	1:684:C:ILE:HD13	1:681:C:TYR:HA	9	0.1
(1,427)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	9	0.1
(1,427)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	9	0.1
(1,427)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	9	0.1
(1,427)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	9	0.1
(1,427)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	9	0.1
(1,427)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	9	0.1
(1,419)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	6	0.1
(1,419)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	6	0.1
(1,419)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	6	0.1
(1,419)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	6	0.1
(1,419)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	6	0.1
(1,419)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	6	0.1
(1,396)	1:710:C:GLN:H	1:708:C:VAL:HA	3	0.1
(1,387)	1:708:C:VAL:HG21	1:705:C:VAL:HA	12	0.1
(1,387)	1:708:C:VAL:HG22	1:705:C:VAL:HA	12	0.1
(1,387)	1:708:C:VAL:HG23	1:705:C:VAL:HA	12	0.1
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG2	14	0.1
(1,378)	1:707:C:ARG:H	1:707:C:ARG:HG3	14	0.1
(1,361)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	1	0.1
(1,361)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	1	0.1
(1,361)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	1	0.1
(1,361)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	1	0.1
(1,361)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	1	0.1
(1,361)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	1	0.1
(1,348)	1:704:C:LEU:H	1:704:C:LEU:HB3	15	0.1
(1,336)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	6	0.1
(1,336)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	6	0.1
(1,336)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	6	0.1
(1,336)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	6	0.1
(1,336)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	6	0.1
(1,336)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	6	0.1
(1,331)	1:701:C:VAL:HG21	1:698:C:VAL:HA	3	0.1
(1,331)	1:701:C:VAL:HG22	1:698:C:VAL:HA	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,331)	1:701:C:VAL:HG23	1:698:C:VAL:HA	3	0.1
(1,315)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	13	0.1
(1,315)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	13	0.1
(1,315)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	13	0.1
(1,315)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	13	0.1
(1,315)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	13	0.1
(1,315)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	13	0.1
(1,306)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	4	0.1
(1,306)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	4	0.1
(1,306)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	4	0.1
(1,306)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	4	0.1
(1,306)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	4	0.1
(1,306)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	4	0.1
(1,289)	1:692:C:LEU:HD11	1:689:C:VAL:HA	12	0.1
(1,289)	1:692:C:LEU:HD12	1:689:C:VAL:HA	12	0.1
(1,289)	1:692:C:LEU:HD13	1:689:C:VAL:HA	12	0.1
(1,264)	1:684:C:ILE:HD11	1:681:C:TYR:HA	9	0.1
(1,264)	1:684:C:ILE:HD12	1:681:C:TYR:HA	9	0.1
(1,264)	1:684:C:ILE:HD13	1:681:C:TYR:HA	9	0.1
(1,260)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	9	0.1
(1,260)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	9	0.1
(1,260)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	9	0.1
(1,260)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	9	0.1
(1,260)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	9	0.1
(1,260)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	9	0.1
(1,252)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	6	0.1
(1,252)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	6	0.1
(1,252)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	6	0.1
(1,252)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	6	0.1
(1,252)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	6	0.1
(1,252)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	6	0.1
(1,229)	1:710:C:GLN:H	1:708:C:VAL:HA	3	0.1
(1,220)	1:708:C:VAL:HG21	1:705:C:VAL:HA	12	0.1
(1,220)	1:708:C:VAL:HG22	1:705:C:VAL:HA	12	0.1
(1,220)	1:708:C:VAL:HG23	1:705:C:VAL:HA	12	0.1
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG2	14	0.1
(1,211)	1:707:C:ARG:H	1:707:C:ARG:HG3	14	0.1
(1,194)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	1	0.1
(1,194)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	1	0.1
(1,194)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	1	0.1
(1,194)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	1	0.1
(1,194)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,194)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	1	0.1
(1,181)	1:704:C:LEU:H	1:704:C:LEU:HB3	15	0.1
(1,169)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	6	0.1
(1,169)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	6	0.1
(1,169)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	6	0.1
(1,169)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	6	0.1
(1,169)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	6	0.1
(1,169)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	6	0.1
(1,164)	1:701:C:VAL:HG21	1:698:C:VAL:HA	3	0.1
(1,164)	1:701:C:VAL:HG22	1:698:C:VAL:HA	3	0.1
(1,164)	1:701:C:VAL:HG23	1:698:C:VAL:HA	3	0.1
(1,148)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	13	0.1
(1,148)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	13	0.1
(1,148)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	13	0.1
(1,148)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	13	0.1
(1,148)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	13	0.1
(1,148)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	13	0.1
(1,139)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	4	0.1
(1,139)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	4	0.1
(1,139)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	4	0.1
(1,139)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	4	0.1
(1,139)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	4	0.1
(1,139)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	4	0.1
(1,122)	1:692:C:LEU:HD11	1:689:C:VAL:HA	12	0.1
(1,122)	1:692:C:LEU:HD12	1:689:C:VAL:HA	12	0.1
(1,122)	1:692:C:LEU:HD13	1:689:C:VAL:HA	12	0.1
(1,97)	1:684:C:ILE:HD11	1:681:C:TYR:HA	9	0.1
(1,97)	1:684:C:ILE:HD12	1:681:C:TYR:HA	9	0.1
(1,97)	1:684:C:ILE:HD13	1:681:C:TYR:HA	9	0.1
(1,93)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	9	0.1
(1,93)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	9	0.1
(1,93)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	9	0.1
(1,93)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	9	0.1
(1,93)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	9	0.1
(1,93)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	9	0.1
(1,85)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	6	0.1
(1,85)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	6	0.1
(1,85)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	6	0.1
(1,85)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	6	0.1
(1,85)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	6	0.1
(1,85)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	6	0.1

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

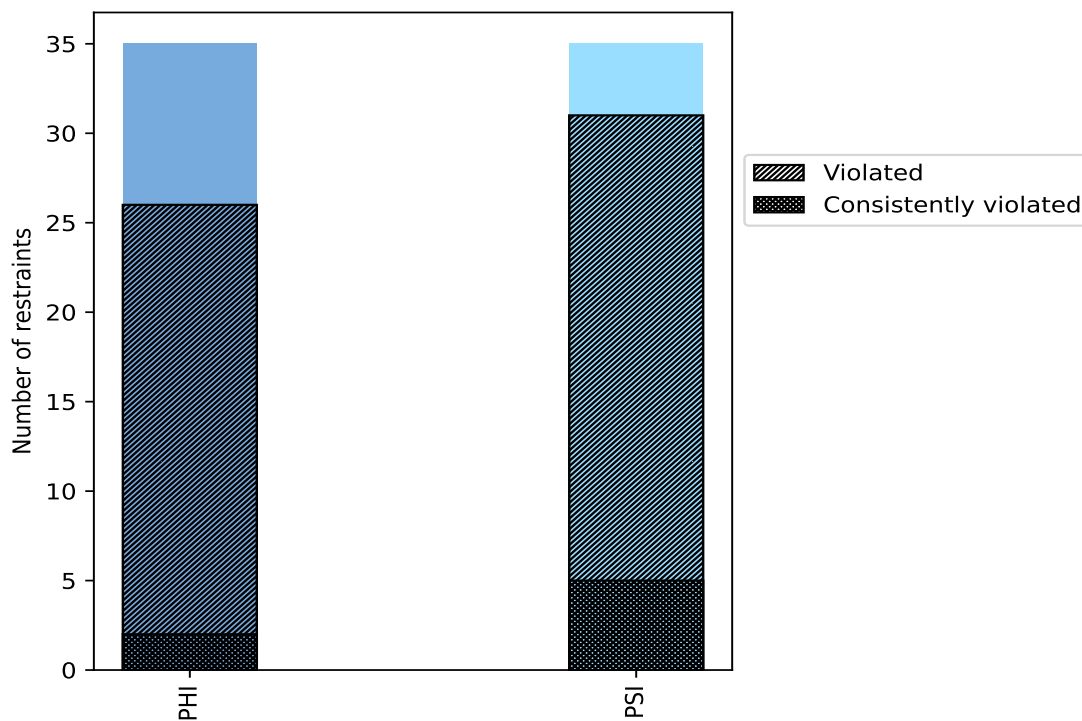
10.1 Summary of dihedral-angle violations [i](#)

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	35	50.0	26	74.3	37.1	2	5.7	2.9
PSI	35	50.0	31	88.6	44.3	5	14.3	7.1
Total	70	100.0	57	81.4	81.4	7	10.0	10.0

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](#)



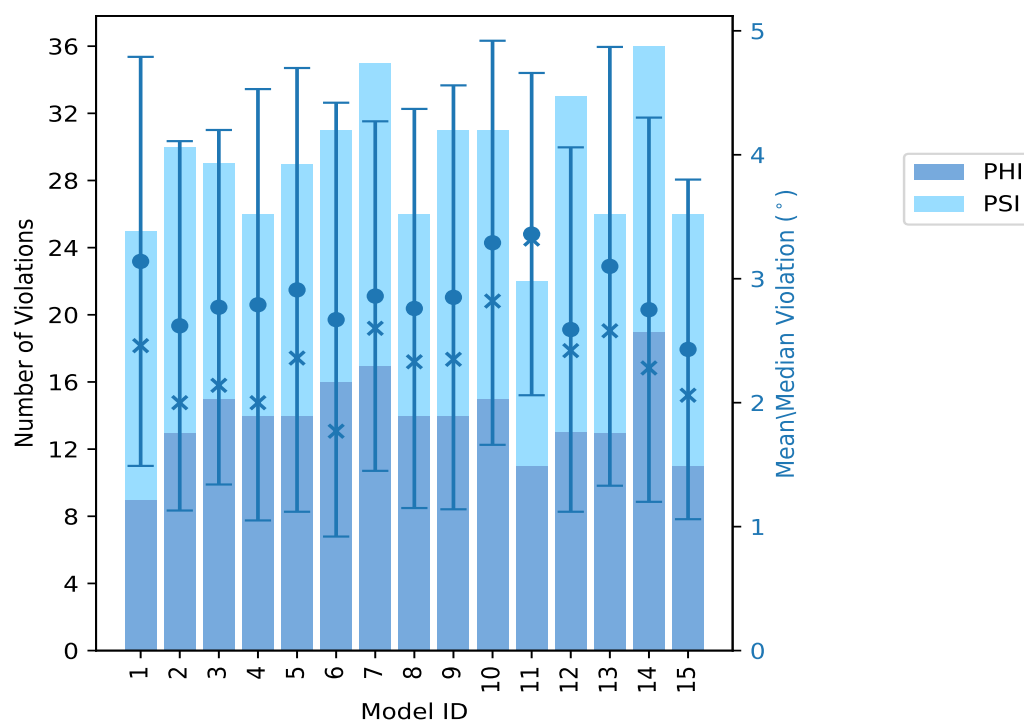
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model [i](#)

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	9	16	25	3.14	6.82	1.65	2.46
2	13	17	30	2.62	5.57	1.49	2.0
3	15	14	29	2.77	6.8	1.43	2.14
4	14	12	26	2.79	6.27	1.74	2.0
5	14	15	29	2.91	8.39	1.79	2.36
6	16	15	31	2.67	7.8	1.75	1.77
7	17	18	35	2.86	6.17	1.41	2.6
8	14	12	26	2.76	7.58	1.61	2.33
9	14	17	31	2.85	8.21	1.71	2.35
10	15	16	31	3.29	6.96	1.63	2.82
11	11	11	22	3.36	6.01	1.3	3.32
12	13	20	33	2.59	7.09	1.47	2.42
13	13	13	26	3.1	7.02	1.77	2.58
14	19	17	36	2.75	7.68	1.55	2.28
15	11	15	26	2.43	5.89	1.37	2.06

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

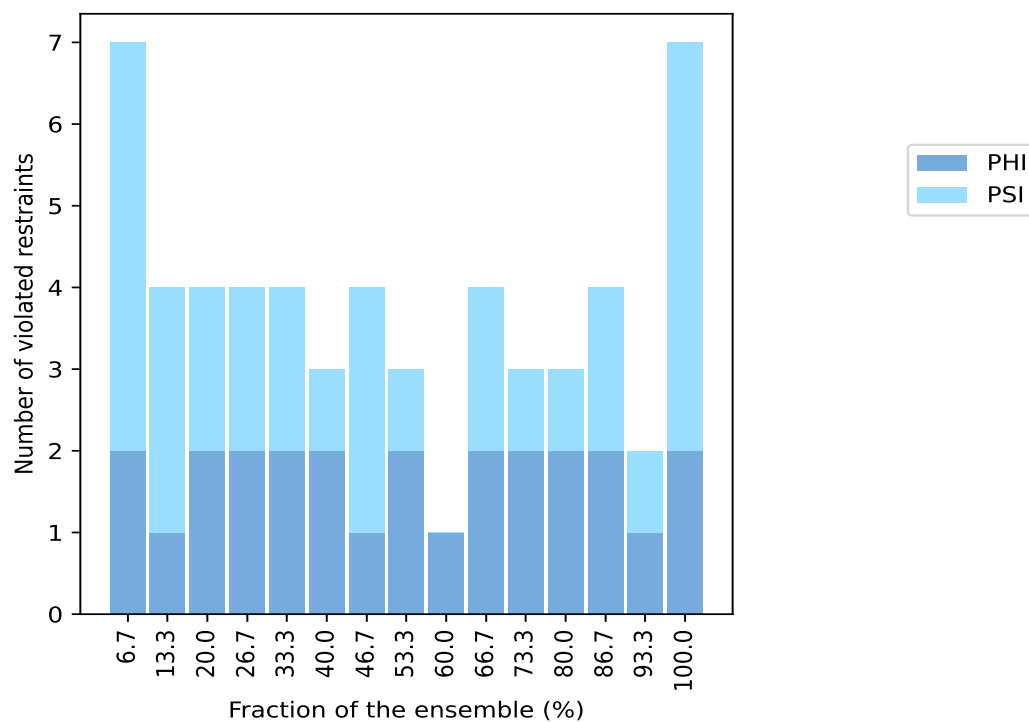
10.3 Dihedral-angle violation statistics for the ensemble

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	%
2	5	7	1	6.7
1	3	4	2	13.3
2	2	4	3	20.0
2	2	4	4	26.7
2	2	4	5	33.3
2	1	3	6	40.0
1	3	4	7	46.7
2	1	3	8	53.3
1	0	1	9	60.0
2	2	4	10	66.7
2	1	3	11	73.3
2	1	3	12	80.0
2	2	4	13	86.7
1	1	2	14	93.3
2	5	7	15	100.0

¹ Number of models with violations

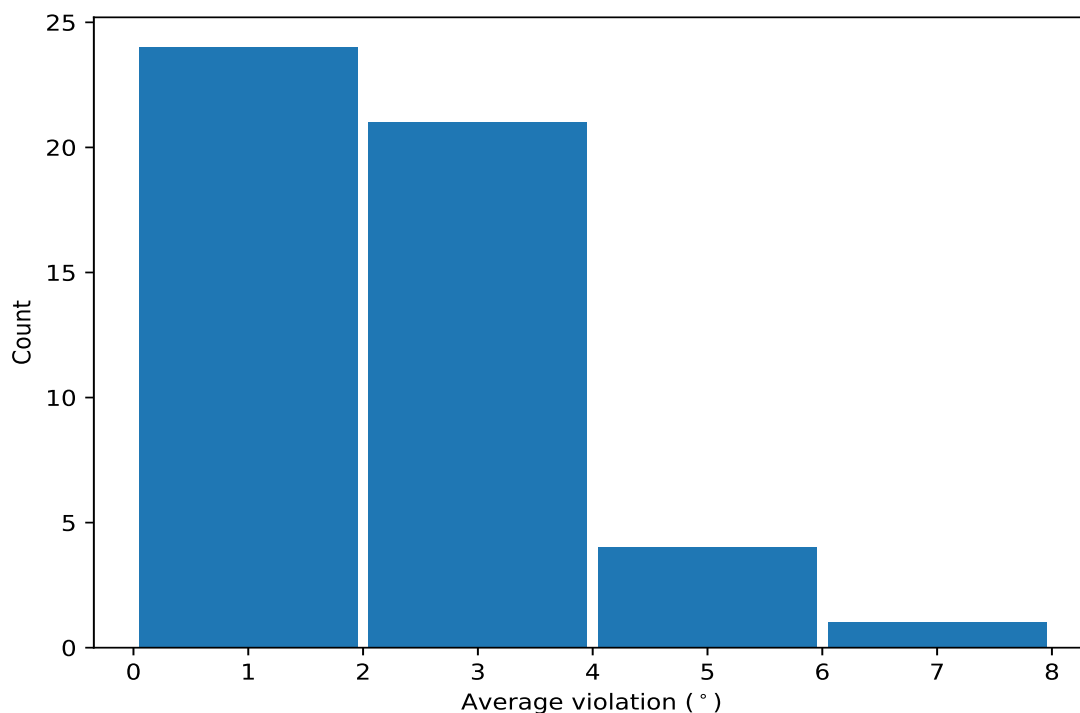
10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble [i](#)



10.4 Most violated dihedral-angle restraints in the ensemble [i](#)

10.4.1 Histogram : Distribution of mean dihedral-angle 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



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
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	15	6.2	1.28	6.49
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	15	5.65	1.56	5.89
(1,70)	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	1:715:C:LEU:N	15	5.09	0.77	4.92
(1,68)	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	1:714:C:PRO:N	15	4.68	1.67	5.23
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	15	3.84	0.97	3.67
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	15	2.67	1.18	2.32
(1,50)	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	1:704:C:LEU:N	15	2.5	0.56	2.35
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	14	3.26	0.97	3.26
(1,46)	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	1:702:C:LEU:N	14	2.88	1.14	2.86
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	13	3.69	1.87	2.9
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	13	2.87	0.91	2.82
(1,47)	1:701:C:VAL:C	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	13	2.72	0.89	2.56
(1,57)	1:706:C:ASN:C	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	13	2.61	0.95	2.78
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	12	4.1	1.02	3.96
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	12	2.35	1.44	1.73
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	12	2.33	1.06	1.84
(1,67)	1:712:C:TYR:C	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	11	2.85	1.33	2.7
(1,52)	1:704:C:LEU:N	1:704:C:LEU:CA	1:704:C:LEU:C	1:705:C:VAL:N	11	1.88	0.36	1.89
(1,53)	1:704:C:LEU:C	1:705:C:VAL:N	1:705:C:VAL:CA	1:705:C:VAL:C	11	1.88	0.59	1.86
(1,69)	1:713:C:SER:C	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	10	2.8	1.18	2.81
(1,66)	1:712:C:TYR:N	1:712:C:TYR:CA	1:712:C:TYR:C	1:713:C:SER:N	10	2.66	0.96	2.9

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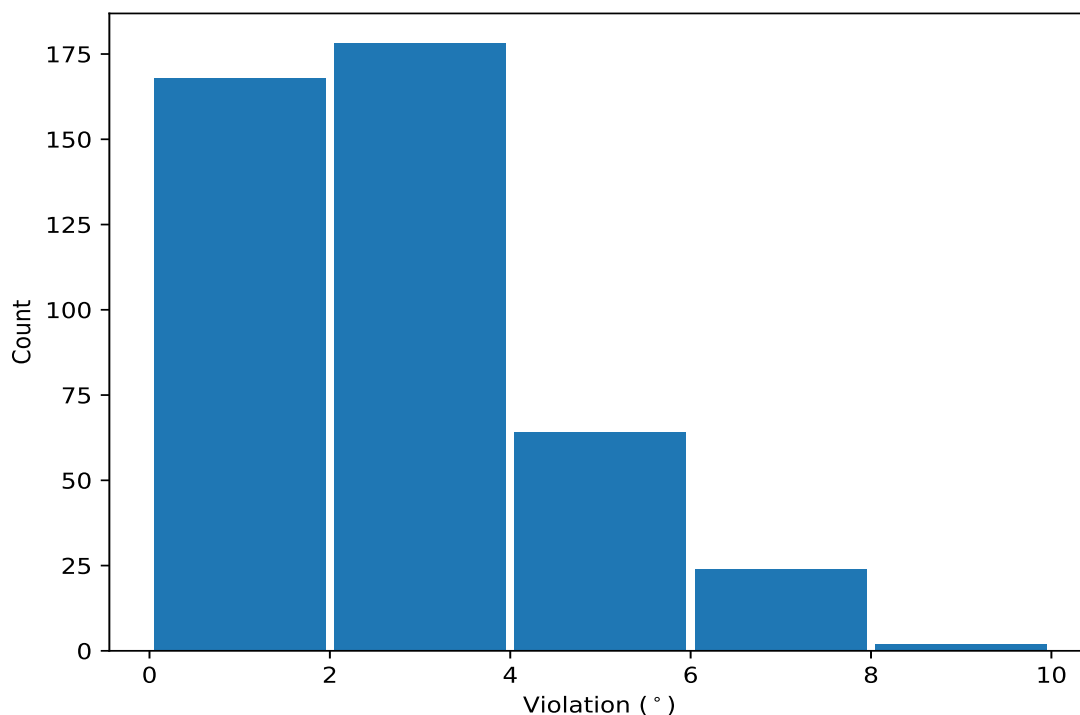
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	10	1.87	0.53	1.64
(1,22)	1:689:C:VAL:N	1:689:C:VAL:CA	1:689:C:VAL:C	1:690:C:GLY:N	10	1.8	0.51	1.71
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	9	1.9	0.91	1.4
(1,1)	1:678:C:TRP:C	1:679:C:LEU:N	1:679:C:LEU:CA	1:679:C:LEU:C	8	1.93	0.8	1.48
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	8	1.91	0.79	1.54
(1,45)	1:700:C:ALA:C	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	8	1.64	0.43	1.54
(1,2)	1:679:C:LEU:N	1:679:C:LEU:CA	1:679:C:LEU:C	1:680:C:TRP:N	7	2.03	0.65	1.73
(1,28)	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	1:693:C:ILE:N	7	1.91	0.95	1.57
(1,63)	1:709:C:ARG:C	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	7	1.88	0.6	2.12
(1,54)	1:705:C:VAL:N	1:705:C:VAL:CA	1:705:C:VAL:C	1:706:C:ASN:N	7	1.38	0.36	1.13
(1,3)	1:679:C:LEU:C	1:680:C:TRP:N	1:680:C:TRP:CA	1:680:C:TRP:C	6	2.63	0.89	2.48
(1,12)	1:684:C:ILE:N	1:684:C:ILE:CA	1:684:C:ILE:C	1:685:C:PHE:N	6	1.77	0.7	1.49
(1,25)	1:690:C:GLY:C	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	6	1.36	0.3	1.23
(1,10)	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	1:684:C:ILE:N	5	3.02	1.37	3.09
(1,39)	1:697:C:ILE:C	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	5	1.69	0.6	1.41
(1,9)	1:682:C:ILE:C	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	5	1.64	0.61	1.41
(1,4)	1:680:C:TRP:N	1:680:C:TRP:CA	1:680:C:TRP:C	1:681:C:TYR:N	5	1.59	0.38	1.4
(1,64)	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	1:711:C:GLY:N	4	2.67	0.86	2.82
(1,34)	1:695:C:LEU:N	1:695:C:LEU:CA	1:695:C:LEU:C	1:696:C:ARG:N	4	2.67	2.48	1.32
(1,13)	1:684:C:ILE:C	1:685:C:PHE:N	1:685:C:PHE:CA	1:685:C:PHE:C	4	2.37	1.19	2.11
(1,29)	1:692:C:LEU:C	1:693:C:ILE:N	1:693:C:ILE:CA	1:693:C:ILE:C	4	1.92	0.88	1.78
(1,15)	1:685:C:PHE:C	1:686:C:ILE:N	1:686:C:ILE:CA	1:686:C:ILE:C	3	2.24	1.03	1.71
(1,27)	1:691:C:SER:C	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	3	1.92	0.47	2.15
(1,44)	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	1:701:C:VAL:N	3	1.65	0.44	1.84
(1,30)	1:693:C:ILE:N	1:693:C:ILE:CA	1:693:C:ILE:C	1:694:C:GLY:N	3	1.54	0.31	1.39
(1,56)	1:706:C:ASN:N	1:706:C:ASN:CA	1:706:C:ASN:C	1:707:C:ARG:N	2	1.96	0.87	1.96
(1,8)	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	1:683:C:ARG:N	2	1.94	0.83	1.94
(1,21)	1:688:C:ILE:C	1:689:C:VAL:N	1:689:C:VAL:CA	1:689:C:VAL:C	2	1.8	0.55	1.8
(1,20)	1:688:C:ILE:N	1:688:C:ILE:CA	1:688:C:ILE:C	1:689:C:VAL:N	2	1.5	0.36	1.5

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 (°)
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	5	8.39
(1,68)	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	1:714:C:PRO:N	9	8.21
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	5	7.95
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	6	7.8
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	14	7.68
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	8	7.58
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	12	7.09
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	13	7.02
(1,34)	1:695:C:LEU:N	1:695:C:LEU:CA	1:695:C:LEU:C	1:696:C:ARG:N	10	6.96
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	13	6.83
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	1	6.82
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	3	6.8
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	10	6.74
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	6	6.73
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	1	6.51
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	9	6.49
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	12	6.35
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	4	6.27
(1,70)	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	1:715:C:LEU:N	7	6.17
(1,70)	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	1:715:C:LEU:N	1	6.05
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	14	6.05

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	10	6.05
(1,70)	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	1:715:C:LEU:N	13	6.04
(1,68)	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	1:714:C:PRO:N	10	6.03
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	7	6.03
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	11	6.01
(1,70)	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	1:715:C:LEU:N	4	5.97
(1,46)	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	1:702:C:LEU:N	3	5.95
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	14	5.9
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	15	5.89
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	15	5.87
(1,68)	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	1:714:C:PRO:N	6	5.83
(1,70)	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	1:715:C:LEU:N	8	5.81
(1,70)	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	1:715:C:LEU:N	5	5.73
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	4	5.67
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	4	5.67
(1,68)	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	1:714:C:PRO:N	13	5.66
(1,68)	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	1:714:C:PRO:N	2	5.57
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	4	5.54
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	2	5.51
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	11	5.49
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	1	5.46
(1,67)	1:712:C:TYR:C	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	7	5.42
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	2	5.41
(1,68)	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	1:714:C:PRO:N	7	5.38
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	9	5.36
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	2	5.34
(1,68)	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	1:714:C:PRO:N	8	5.26
(1,67)	1:712:C:TYR:C	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	1	5.24
(1,68)	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	1:714:C:PRO:N	4	5.23
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	11	5.17
(1,68)	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	1:714:C:PRO:N	3	5.15
(1,10)	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	1:684:C:ILE:N	13	5.15
(1,69)	1:713:C:SER:C	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	9	4.96
(1,68)	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	1:714:C:PRO:N	11	4.96
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	5	4.96
(1,70)	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	1:715:C:LEU:N	10	4.95
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	9	4.94
(1,70)	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	1:715:C:LEU:N	6	4.92
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	10	4.9
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	7	4.88
(1,70)	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	1:715:C:LEU:N	12	4.77
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	10	4.76
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	6	4.76
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	13	4.75
(1,70)	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	1:715:C:LEU:N	2	4.71
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	10	4.7
(1,70)	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	1:715:C:LEU:N	15	4.66
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	8	4.64
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	10	4.57
(1,70)	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	1:715:C:LEU:N	14	4.49
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1	4.41

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,57)	1:706:C:ASN:C	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	14	4.37
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	3	4.34
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	14	4.31
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	13	4.25
(1,13)	1:684:C:ILE:C	1:685:C:PHE:N	1:685:C:PHE:CA	1:685:C:PHE:C	9	4.25
(1,47)	1:701:C:VAL:C	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	11	4.23
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	6	4.19
(1,70)	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	1:715:C:LEU:N	9	4.17
(1,46)	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	1:702:C:LEU:N	11	4.16
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1	4.16
(1,70)	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	1:715:C:LEU:N	3	4.14
(1,3)	1:679:C:LEU:C	1:680:C:TRP:N	1:680:C:TRP:CA	1:680:C:TRP:C	6	4.14
(1,66)	1:712:C:TYR:N	1:712:C:TYR:CA	1:712:C:TYR:C	1:713:C:SER:N	12	4.11
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	11	4.1
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	7	4.1
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	2	4.09
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	6	4.03
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	11	4.01
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	14	3.99
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	2	3.97
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	9	3.96
(1,66)	1:712:C:TYR:N	1:712:C:TYR:CA	1:712:C:TYR:C	1:713:C:SER:N	7	3.95
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	8	3.93
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	7	3.93
(1,47)	1:701:C:VAL:C	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	12	3.92
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	15	3.91
(1,69)	1:713:C:SER:C	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	10	3.86
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	2	3.86
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	3	3.84
(1,70)	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	1:715:C:LEU:N	11	3.81
(1,50)	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	1:704:C:LEU:N	4	3.8
(1,57)	1:706:C:ASN:C	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	12	3.79
(1,47)	1:701:C:VAL:C	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	3	3.75
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	14	3.72
(1,15)	1:685:C:PHE:C	1:686:C:ILE:N	1:686:C:ILE:CA	1:686:C:ILE:C	14	3.69
(1,69)	1:713:C:SER:C	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	8	3.67
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	5	3.67
(1,57)	1:706:C:ASN:C	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	7	3.64
(1,10)	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	1:684:C:ILE:N	7	3.64
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	8	3.59
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	12	3.59
(1,46)	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	1:702:C:LEU:N	14	3.58
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	10	3.57
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	12	3.56
(1,69)	1:713:C:SER:C	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	13	3.55
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	5	3.55
(1,64)	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	1:711:C:GLY:N	14	3.53
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	13	3.53
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	15	3.52
(1,67)	1:712:C:TYR:C	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	3	3.51
(1,64)	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	1:711:C:GLY:N	5	3.48

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1)	1:678:C:TRP:C	1:679:C:LEU:N	1:679:C:LEU:CA	1:679:C:LEU:C	14	3.47
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	3	3.44
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	7	3.4
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	4	3.38
(1,28)	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	1:693:C:ILE:N	7	3.38
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	11	3.38
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	2	3.36
(1,69)	1:713:C:SER:C	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	11	3.34
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	1	3.34
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	13	3.32
(1,53)	1:704:C:LEU:C	1:705:C:VAL:N	1:705:C:VAL:CA	1:705:C:VAL:C	11	3.31
(1,28)	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	1:693:C:ILE:N	14	3.31
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	15	3.3
(1,14)	1:685:C:PHE:N	1:685:C:PHE:CA	1:685:C:PHE:C	1:686:C:ILE:N	9	3.29
(1,46)	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	1:702:C:LEU:N	8	3.27
(1,3)	1:679:C:LEU:C	1:680:C:TRP:N	1:680:C:TRP:CA	1:680:C:TRP:C	7	3.27
(1,2)	1:679:C:LEU:N	1:679:C:LEU:CA	1:679:C:LEU:C	1:680:C:TRP:N	10	3.23
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	9	3.19
(1,66)	1:712:C:TYR:N	1:712:C:TYR:CA	1:712:C:TYR:C	1:713:C:SER:N	1	3.18
(1,46)	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	1:702:C:LEU:N	12	3.18
(1,47)	1:701:C:VAL:C	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	2	3.17
(1,46)	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	1:702:C:LEU:N	7	3.16
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	11	3.15
(1,66)	1:712:C:TYR:N	1:712:C:TYR:CA	1:712:C:TYR:C	1:713:C:SER:N	5	3.14
(1,66)	1:712:C:TYR:N	1:712:C:TYR:CA	1:712:C:TYR:C	1:713:C:SER:N	3	3.13
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	5	3.12
(1,57)	1:706:C:ASN:C	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	11	3.11
(1,47)	1:701:C:VAL:C	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	8	3.11
(1,29)	1:692:C:LEU:C	1:693:C:ILE:N	1:693:C:ILE:CA	1:693:C:ILE:C	10	3.11
(1,10)	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	1:684:C:ILE:N	12	3.09
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	3	3.06
(1,46)	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	1:702:C:LEU:N	2	3.05
(1,50)	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	1:704:C:LEU:N	5	3.03
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	15	3.03
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	9	3.03
(1,50)	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	1:704:C:LEU:N	8	3.0
(1,12)	1:684:C:ILE:N	1:684:C:ILE:CA	1:684:C:ILE:C	1:685:C:PHE:N	10	2.98
(1,57)	1:706:C:ASN:C	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	5	2.97
(1,68)	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	1:714:C:PRO:N	1	2.96
(1,68)	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	1:714:C:PRO:N	5	2.96
(1,50)	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	1:704:C:LEU:N	7	2.95
(1,50)	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	1:704:C:LEU:N	15	2.95
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	14	2.92
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	13	2.9
(1,67)	1:712:C:TYR:C	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	6	2.89
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	5	2.88
(1,22)	1:689:C:VAL:N	1:689:C:VAL:CA	1:689:C:VAL:C	1:690:C:GLY:N	10	2.88
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	3	2.85
(1,56)	1:706:C:ASN:N	1:706:C:ASN:CA	1:706:C:ASN:C	1:707:C:ARG:N	12	2.84
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	1	2.84
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	12	2.82

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,39)	1:697:C:ILE:C	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	10	2.82
(1,3)	1:679:C:LEU:C	1:680:C:TRP:N	1:680:C:TRP:CA	1:680:C:TRP:C	9	2.82
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	12	2.81
(1,67)	1:712:C:TYR:C	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	4	2.8
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	10	2.79
(1,57)	1:706:C:ASN:C	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	8	2.78
(1,57)	1:706:C:ASN:C	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	10	2.78
(1,8)	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	1:683:C:ARG:N	9	2.77
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	12	2.76
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	6	2.76
(1,1)	1:678:C:TRP:C	1:679:C:LEU:N	1:679:C:LEU:CA	1:679:C:LEU:C	13	2.75
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	13	2.72
(1,67)	1:712:C:TYR:C	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	2	2.7
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	6	2.7
(1,66)	1:712:C:TYR:N	1:712:C:TYR:CA	1:712:C:TYR:C	1:713:C:SER:N	2	2.67
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	10	2.67
(1,46)	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	1:702:C:LEU:N	1	2.67
(1,9)	1:682:C:ILE:C	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	5	2.67
(1,68)	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	1:714:C:PRO:N	15	2.66
(1,63)	1:709:C:ARG:C	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	7	2.65
(1,2)	1:679:C:LEU:N	1:679:C:LEU:CA	1:679:C:LEU:C	1:680:C:TRP:N	7	2.63
(1,47)	1:701:C:VAL:C	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	7	2.6
(1,50)	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	1:704:C:LEU:N	6	2.58
(1,47)	1:701:C:VAL:C	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	14	2.56
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	9	2.54
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	8	2.54
(1,57)	1:706:C:ASN:C	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	3	2.53
(1,45)	1:700:C:ALA:C	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	15	2.51
(1,68)	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	1:714:C:PRO:N	12	2.5
(1,63)	1:709:C:ARG:C	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	6	2.5
(1,47)	1:701:C:VAL:C	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	4	2.5
(1,1)	1:678:C:TRP:C	1:679:C:LEU:N	1:679:C:LEU:CA	1:679:C:LEU:C	10	2.48
(1,52)	1:704:C:LEU:N	1:704:C:LEU:CA	1:704:C:LEU:C	1:705:C:VAL:N	11	2.47
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	1	2.46
(1,50)	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	1:704:C:LEU:N	12	2.45
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	13	2.44
(1,29)	1:692:C:LEU:C	1:693:C:ILE:N	1:693:C:ILE:CA	1:693:C:ILE:C	11	2.42
(1,13)	1:684:C:ILE:C	1:685:C:PHE:N	1:685:C:PHE:CA	1:685:C:PHE:C	14	2.42
(1,12)	1:684:C:ILE:N	1:684:C:ILE:CA	1:684:C:ILE:C	1:685:C:PHE:N	12	2.42
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	9	2.41
(1,47)	1:701:C:VAL:C	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	13	2.39
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	8	2.37
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	7	2.36
(1,47)	1:701:C:VAL:C	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	5	2.36
(1,50)	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	1:704:C:LEU:N	1	2.35
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	10	2.35
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	14	2.35
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	9	2.35
(1,22)	1:689:C:VAL:N	1:689:C:VAL:CA	1:689:C:VAL:C	1:690:C:GLY:N	3	2.35
(1,21)	1:688:C:ILE:C	1:689:C:VAL:N	1:689:C:VAL:CA	1:689:C:VAL:C	9	2.35
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	5	2.34

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,27)	1:691:C:SER:C	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	7	2.34
(1,50)	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	1:704:C:LEU:N	9	2.33
(1,47)	1:701:C:VAL:C	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1	2.32
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	12	2.32
(1,67)	1:712:C:TYR:C	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	14	2.31
(1,53)	1:704:C:LEU:C	1:705:C:VAL:N	1:705:C:VAL:CA	1:705:C:VAL:C	1	2.31
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	8	2.29
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	15	2.29
(1,69)	1:713:C:SER:C	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	7	2.28
(1,52)	1:704:C:LEU:N	1:704:C:LEU:CA	1:704:C:LEU:C	1:705:C:VAL:N	5	2.27
(1,46)	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	1:702:C:LEU:N	15	2.25
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	14	2.25
(1,4)	1:680:C:TRP:N	1:680:C:TRP:CA	1:680:C:TRP:C	1:681:C:TYR:N	11	2.25
(1,50)	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	1:704:C:LEU:N	11	2.24
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	5	2.24
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	5	2.23
(1,2)	1:679:C:LEU:N	1:679:C:LEU:CA	1:679:C:LEU:C	1:680:C:TRP:N	12	2.23
(1,50)	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	1:704:C:LEU:N	13	2.21
(1,46)	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	1:702:C:LEU:N	4	2.18
(1,64)	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	1:711:C:GLY:N	12	2.16
(1,52)	1:704:C:LEU:N	1:704:C:LEU:CA	1:704:C:LEU:C	1:705:C:VAL:N	14	2.16
(1,27)	1:691:C:SER:C	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	11	2.15
(1,3)	1:679:C:LEU:C	1:680:C:TRP:N	1:680:C:TRP:CA	1:680:C:TRP:C	4	2.15
(1,63)	1:709:C:ARG:C	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	3	2.14
(1,10)	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	1:684:C:ILE:N	2	2.14
(1,57)	1:706:C:ASN:C	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	9	2.13
(1,50)	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	1:704:C:LEU:N	3	2.13
(1,63)	1:709:C:ARG:C	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	1	2.12
(1,52)	1:704:C:LEU:N	1:704:C:LEU:CA	1:704:C:LEU:C	1:705:C:VAL:N	8	2.12
(1,52)	1:704:C:LEU:N	1:704:C:LEU:CA	1:704:C:LEU:C	1:705:C:VAL:N	15	2.12
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	7	2.11
(1,45)	1:700:C:ALA:C	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	1	2.1
(1,22)	1:689:C:VAL:N	1:689:C:VAL:CA	1:689:C:VAL:C	1:690:C:GLY:N	7	2.09
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	3	2.09
(1,50)	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	1:704:C:LEU:N	2	2.07
(1,44)	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	1:701:C:VAL:N	1	2.07
(1,54)	1:705:C:VAL:N	1:705:C:VAL:CA	1:705:C:VAL:C	1:706:C:ASN:N	10	2.06
(1,53)	1:704:C:LEU:C	1:705:C:VAL:N	1:705:C:VAL:CA	1:705:C:VAL:C	4	2.04
(1,53)	1:704:C:LEU:C	1:705:C:VAL:N	1:705:C:VAL:CA	1:705:C:VAL:C	3	2.03
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	3	2.03
(1,67)	1:712:C:TYR:C	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	13	2.01
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	8	2.01
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	15	2.01
(1,53)	1:704:C:LEU:C	1:705:C:VAL:N	1:705:C:VAL:CA	1:705:C:VAL:C	9	1.99
(1,50)	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	1:704:C:LEU:N	14	1.99
(1,46)	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	1:702:C:LEU:N	9	1.99
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	13	1.98
(1,30)	1:693:C:ILE:N	1:693:C:ILE:CA	1:693:C:ILE:C	1:694:C:GLY:N	3	1.98
(1,25)	1:690:C:GLY:C	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	10	1.98
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	4	1.96
(1,9)	1:682:C:ILE:C	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	14	1.96

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	2	1.93
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	2	1.92
(1,46)	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	1:702:C:LEU:N	5	1.92
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	12	1.91
(1,32)	1:694:C:GLY:N	1:694:C:GLY:CA	1:694:C:GLY:C	1:695:C:LEU:N	10	1.91
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	7	1.91
(1,52)	1:704:C:LEU:N	1:704:C:LEU:CA	1:704:C:LEU:C	1:705:C:VAL:N	3	1.89
(1,22)	1:689:C:VAL:N	1:689:C:VAL:CA	1:689:C:VAL:C	1:690:C:GLY:N	1	1.89
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	6	1.88
(1,28)	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	1:693:C:ILE:N	5	1.88
(1,53)	1:704:C:LEU:C	1:705:C:VAL:N	1:705:C:VAL:CA	1:705:C:VAL:C	8	1.86
(1,20)	1:688:C:ILE:N	1:688:C:ILE:CA	1:688:C:ILE:C	1:689:C:VAL:N	7	1.85
(1,44)	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	1:701:C:VAL:N	15	1.84
(1,67)	1:712:C:TYR:C	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	10	1.83
(1,66)	1:712:C:TYR:N	1:712:C:TYR:CA	1:712:C:TYR:C	1:713:C:SER:N	4	1.83
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	15	1.83
(1,69)	1:713:C:SER:C	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	6	1.82
(1,68)	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	1:714:C:PRO:N	14	1.8
(1,13)	1:684:C:ILE:C	1:685:C:PHE:N	1:685:C:PHE:CA	1:685:C:PHE:C	10	1.8
(1,69)	1:713:C:SER:C	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	4	1.79
(1,22)	1:689:C:VAL:N	1:689:C:VAL:CA	1:689:C:VAL:C	1:690:C:GLY:N	4	1.78
(1,3)	1:679:C:LEU:C	1:680:C:TRP:N	1:680:C:TRP:CA	1:680:C:TRP:C	3	1.78
(1,53)	1:704:C:LEU:C	1:705:C:VAL:N	1:705:C:VAL:CA	1:705:C:VAL:C	6	1.77
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	12	1.76
(1,66)	1:712:C:TYR:N	1:712:C:TYR:CA	1:712:C:TYR:C	1:713:C:SER:N	6	1.75
(1,4)	1:680:C:TRP:N	1:680:C:TRP:CA	1:680:C:TRP:C	1:681:C:TYR:N	1	1.75
(1,16)	1:686:C:ILE:N	1:686:C:ILE:CA	1:686:C:ILE:C	1:687:C:ILE:N	11	1.74
(1,57)	1:706:C:ASN:C	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	13	1.73
(1,39)	1:697:C:ILE:C	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	6	1.73
(1,2)	1:679:C:LEU:N	1:679:C:LEU:CA	1:679:C:LEU:C	1:680:C:TRP:N	6	1.73
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	14	1.71
(1,15)	1:685:C:PHE:C	1:686:C:ILE:N	1:686:C:ILE:CA	1:686:C:ILE:C	3	1.71
(1,63)	1:709:C:ARG:C	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	10	1.7
(1,53)	1:704:C:LEU:C	1:705:C:VAL:N	1:705:C:VAL:CA	1:705:C:VAL:C	14	1.7
(1,52)	1:704:C:LEU:N	1:704:C:LEU:CA	1:704:C:LEU:C	1:705:C:VAL:N	7	1.7
(1,52)	1:704:C:LEU:N	1:704:C:LEU:CA	1:704:C:LEU:C	1:705:C:VAL:N	9	1.7
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	4	1.7
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	2	1.7
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	8	1.7
(1,12)	1:684:C:ILE:N	1:684:C:ILE:CA	1:684:C:ILE:C	1:685:C:PHE:N	8	1.69
(1,66)	1:712:C:TYR:N	1:712:C:TYR:CA	1:712:C:TYR:C	1:713:C:SER:N	14	1.67
(1,57)	1:706:C:ASN:C	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	6	1.65
(1,45)	1:700:C:ALA:C	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	6	1.64
(1,22)	1:689:C:VAL:N	1:689:C:VAL:CA	1:689:C:VAL:C	1:690:C:GLY:N	14	1.64
(1,2)	1:679:C:LEU:N	1:679:C:LEU:CA	1:679:C:LEU:C	1:680:C:TRP:N	15	1.63
(1,54)	1:705:C:VAL:N	1:705:C:VAL:CA	1:705:C:VAL:C	1:706:C:ASN:N	7	1.62
(1,54)	1:705:C:VAL:N	1:705:C:VAL:CA	1:705:C:VAL:C	1:706:C:ASN:N	5	1.61
(1,46)	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	1:702:C:LEU:N	10	1.61
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	3	1.61
(1,22)	1:689:C:VAL:N	1:689:C:VAL:CA	1:689:C:VAL:C	1:690:C:GLY:N	6	1.6
(1,3)	1:679:C:LEU:C	1:680:C:TRP:N	1:680:C:TRP:CA	1:680:C:TRP:C	8	1.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	7	1.59
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	7	1.58
(1,28)	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	1:693:C:ILE:N	6	1.57
(1,69)	1:713:C:SER:C	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	2	1.55
(1,1)	1:678:C:TRP:C	1:679:C:LEU:N	1:679:C:LEU:CA	1:679:C:LEU:C	5	1.55
(1,53)	1:704:C:LEU:C	1:705:C:VAL:N	1:705:C:VAL:CA	1:705:C:VAL:C	2	1.54
(1,45)	1:700:C:ALA:C	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	14	1.54
(1,45)	1:700:C:ALA:C	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	13	1.53
(1,64)	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	1:711:C:GLY:N	2	1.52
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	9	1.5
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	5	1.49
(1,52)	1:704:C:LEU:N	1:704:C:LEU:CA	1:704:C:LEU:C	1:705:C:VAL:N	4	1.48
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	13	1.48
(1,25)	1:690:C:GLY:C	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	6	1.47
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	4	1.45
(1,52)	1:704:C:LEU:N	1:704:C:LEU:CA	1:704:C:LEU:C	1:705:C:VAL:N	12	1.44
(1,5)	1:680:C:TRP:C	1:681:C:TYR:N	1:681:C:TYR:CA	1:681:C:TYR:C	14	1.44
(1,46)	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	1:702:C:LEU:N	13	1.42
(1,1)	1:678:C:TRP:C	1:679:C:LEU:N	1:679:C:LEU:CA	1:679:C:LEU:C	2	1.42
(1,39)	1:697:C:ILE:C	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	15	1.41
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	4	1.41
(1,9)	1:682:C:ILE:C	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	7	1.41
(1,2)	1:679:C:LEU:N	1:679:C:LEU:CA	1:679:C:LEU:C	1:680:C:TRP:N	1	1.41
(1,67)	1:712:C:TYR:C	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	9	1.4
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	15	1.4
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	6	1.4
(1,4)	1:680:C:TRP:N	1:680:C:TRP:CA	1:680:C:TRP:C	1:681:C:TYR:N	7	1.4
(1,4)	1:680:C:TRP:N	1:680:C:TRP:CA	1:680:C:TRP:C	1:681:C:TYR:N	10	1.4
(1,1)	1:678:C:TRP:C	1:679:C:LEU:N	1:679:C:LEU:CA	1:679:C:LEU:C	1	1.4
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	14	1.39
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	13	1.39
(1,30)	1:693:C:ILE:N	1:693:C:ILE:CA	1:693:C:ILE:C	1:694:C:GLY:N	6	1.39
(1,34)	1:695:C:LEU:N	1:695:C:LEU:CA	1:695:C:LEU:C	1:696:C:ARG:N	1	1.38
(1,50)	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	1:704:C:LEU:N	10	1.37
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	2	1.37
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	12	1.37
(1,45)	1:700:C:ALA:C	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	4	1.36
(1,39)	1:697:C:ILE:C	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	3	1.36
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	12	1.36
(1,45)	1:700:C:ALA:C	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	5	1.35
(1,47)	1:701:C:VAL:C	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	15	1.34
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	4	1.33
(1,22)	1:689:C:VAL:N	1:689:C:VAL:CA	1:689:C:VAL:C	1:690:C:GLY:N	2	1.33
(1,15)	1:685:C:PHE:C	1:686:C:ILE:N	1:686:C:ILE:CA	1:686:C:ILE:C	7	1.33
(1,52)	1:704:C:LEU:N	1:704:C:LEU:CA	1:704:C:LEU:C	1:705:C:VAL:N	1	1.32
(1,2)	1:679:C:LEU:N	1:679:C:LEU:CA	1:679:C:LEU:C	1:680:C:TRP:N	13	1.32
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	9	1.31
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	7	1.3
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	8	1.3
(1,1)	1:678:C:TRP:C	1:679:C:LEU:N	1:679:C:LEU:CA	1:679:C:LEU:C	9	1.3
(1,67)	1:712:C:TYR:C	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	8	1.29

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,12)	1:684:C:ILE:N	1:684:C:ILE:CA	1:684:C:ILE:C	1:685:C:PHE:N	14	1.29
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	11	1.28
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	6	1.28
(1,25)	1:690:C:GLY:C	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	3	1.28
(1,57)	1:706:C:ASN:C	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	15	1.27
(1,27)	1:691:C:SER:C	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	14	1.27
(1,22)	1:689:C:VAL:N	1:689:C:VAL:CA	1:689:C:VAL:C	1:690:C:GLY:N	12	1.27
(1,30)	1:693:C:ILE:N	1:693:C:ILE:CA	1:693:C:ILE:C	1:694:C:GLY:N	13	1.26
(1,34)	1:695:C:LEU:N	1:695:C:LEU:CA	1:695:C:LEU:C	1:696:C:ARG:N	12	1.25
(1,21)	1:688:C:ILE:C	1:689:C:VAL:N	1:689:C:VAL:CA	1:689:C:VAL:C	14	1.25
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	5	1.23
(1,12)	1:684:C:ILE:N	1:684:C:ILE:CA	1:684:C:ILE:C	1:685:C:PHE:N	2	1.23
(1,28)	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	1:693:C:ILE:N	11	1.21
(1,65)	1:711:C:GLY:C	1:712:C:TYR:N	1:712:C:TYR:CA	1:712:C:TYR:C	15	1.2
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	3	1.18
(1,66)	1:712:C:TYR:N	1:712:C:TYR:CA	1:712:C:TYR:C	1:713:C:SER:N	9	1.17
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	2	1.17
(1,25)	1:690:C:GLY:C	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	14	1.17
(1,4)	1:680:C:TRP:N	1:680:C:TRP:CA	1:680:C:TRP:C	1:681:C:TYR:N	6	1.17
(1,57)	1:706:C:ASN:C	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	2	1.15
(1,29)	1:692:C:LEU:C	1:693:C:ILE:N	1:693:C:ILE:CA	1:693:C:ILE:C	5	1.15
(1,25)	1:690:C:GLY:C	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	5	1.15
(1,20)	1:688:C:ILE:N	1:688:C:ILE:CA	1:688:C:ILE:C	1:689:C:VAL:N	9	1.14
(1,9)	1:682:C:ILE:C	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	4	1.14
(1,69)	1:713:C:SER:C	1:714:C:PRO:N	1:714:C:PRO:CA	1:714:C:PRO:C	3	1.13
(1,54)	1:705:C:VAL:N	1:705:C:VAL:CA	1:705:C:VAL:C	1:706:C:ASN:N	14	1.13
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	8	1.13
(1,22)	1:689:C:VAL:N	1:689:C:VAL:CA	1:689:C:VAL:C	1:690:C:GLY:N	8	1.13
(1,54)	1:705:C:VAL:N	1:705:C:VAL:CA	1:705:C:VAL:C	1:706:C:ASN:N	15	1.12
(1,25)	1:690:C:GLY:C	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	15	1.12
(1,39)	1:697:C:ILE:C	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	5	1.11
(1,8)	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	1:683:C:ARG:N	2	1.11
(1,53)	1:704:C:LEU:C	1:705:C:VAL:N	1:705:C:VAL:CA	1:705:C:VAL:C	12	1.1
(1,56)	1:706:C:ASN:N	1:706:C:ASN:CA	1:706:C:ASN:C	1:707:C:ARG:N	2	1.09
(1,10)	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	1:684:C:ILE:N	15	1.09
(1,1)	1:678:C:TRP:C	1:679:C:LEU:N	1:679:C:LEU:CA	1:679:C:LEU:C	12	1.09
(1,34)	1:695:C:LEU:N	1:695:C:LEU:CA	1:695:C:LEU:C	1:696:C:ARG:N	9	1.08
(1,60)	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	1:709:C:ARG:N	3	1.07
(1,54)	1:705:C:VAL:N	1:705:C:VAL:CA	1:705:C:VAL:C	1:706:C:ASN:N	9	1.07
(1,63)	1:709:C:ARG:C	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	9	1.06
(1,47)	1:701:C:VAL:C	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	10	1.06
(1,45)	1:700:C:ALA:C	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	12	1.06
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	2	1.06
(1,54)	1:705:C:VAL:N	1:705:C:VAL:CA	1:705:C:VAL:C	1:706:C:ASN:N	8	1.05
(1,44)	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	1:701:C:VAL:N	6	1.05
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	4	1.04
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	6	1.03
(1,9)	1:682:C:ILE:C	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	8	1.03
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	6	1.03
(1,63)	1:709:C:ARG:C	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	4	1.02
(1,53)	1:704:C:LEU:C	1:705:C:VAL:N	1:705:C:VAL:CA	1:705:C:VAL:C	13	1.02

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,28)	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	1:693:C:ILE:N	12	1.02
(1,13)	1:684:C:ILE:C	1:685:C:PHE:N	1:685:C:PHE:CA	1:685:C:PHE:C	12	1.02
(1,12)	1:684:C:ILE:N	1:684:C:ILE:CA	1:684:C:ILE:C	1:685:C:PHE:N	7	1.02
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	12	1.01
(1,29)	1:692:C:LEU:C	1:693:C:ILE:N	1:693:C:ILE:CA	1:693:C:ILE:C	7	1.01
(1,28)	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	1:693:C:ILE:N	15	1.01
(1,18)	1:687:C:ILE:N	1:687:C:ILE:CA	1:687:C:ILE:C	1:688:C:ILE:N	14	1.0