Full wwPDB NMR Structure Validation Report (i)

Mar 8, 2026 – 12:40 PM UTC

PDB ID	:	9G1W / pdb_00009g1w
BMRB ID	:	34929
Title	:	NMR solution structure of the Thermus thermophilus PilF-GSPIIA domain
Authors	:	Neissner, K.; Woehnert, J.; Hacker, C.
Deposited on	:	2024-07-10

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

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

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

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

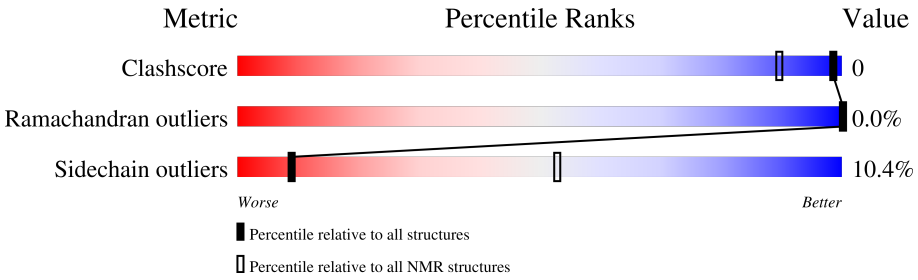
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance (i)

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

The overall completeness of chemical shifts assignment is 92%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	154	89% 6% 5%

2 Ensemble composition and analysis (i)

This entry contains 20 models. Model 7 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *target function*.

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

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	A:3-A:148 (146)	0.57	7

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 3 clusters and 1 single-model cluster was found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 2430 atoms, of which 1240 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Type IV pilus assembly ATPase PilB.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	154	2430	764	1240	199	225	2	0

4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

These plots are provided for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic is the same as shown in the summary in section 1 of this report. The second graphic shows the sequence where residues are colour-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. Stretches of 2 or more consecutive residues without any outliers are shown as green connectors. Residues which are classified as ill-defined in the NMR ensemble, are shown in cyan with an underline colour-coded according to the previous scheme. Residues which were present in the experimental sample, but not modelled in the final structure are shown in grey.

• Molecule 1: Type IV pilus assembly ATPase PilB

Chain A:

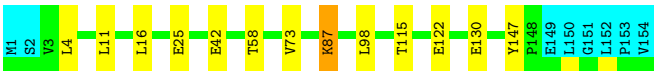
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: Type IV pilus assembly ATPase PilB

Chain A:



4.2.2 Score per residue for model 2

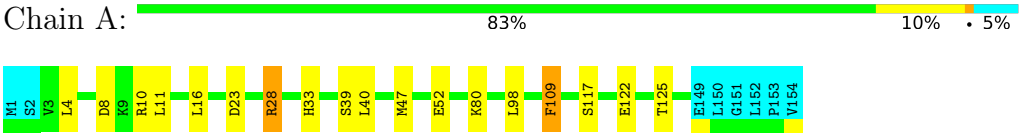
• Molecule 1: Type IV pilus assembly ATPase PilB

Chain A:

4.2.3 Score per residue for model 3

• Molecule 1: Type IV pilus assembly ATPase PilB

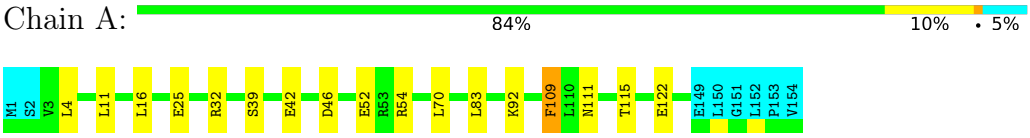
Chain A:



4.2.4 Score per residue for model 4

• Molecule 1: Type IV pilus assembly ATPase PilB

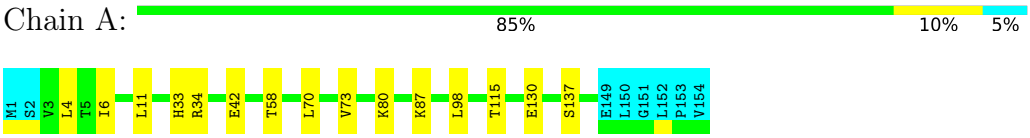
Chain A:



4.2.5 Score per residue for model 5

• Molecule 1: Type IV pilus assembly ATPase PilB

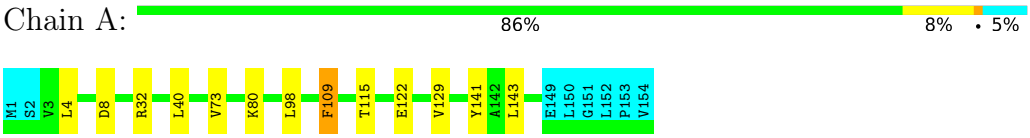
Chain A:



4.2.6 Score per residue for model 6

• Molecule 1: Type IV pilus assembly ATPase PilB

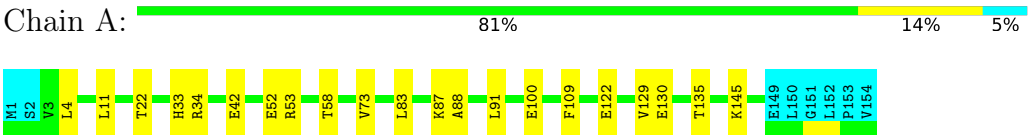
Chain A:



4.2.7 Score per residue for model 7 (medoid)

• Molecule 1: Type IV pilus assembly ATPase PilB

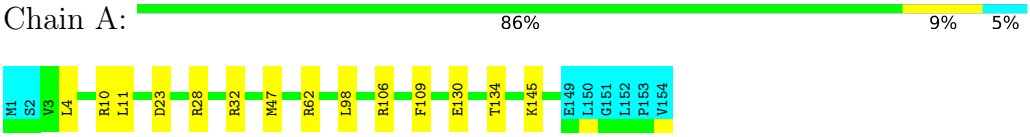
Chain A:



4.2.8 Score per residue for model 8

• Molecule 1: Type IV pilus assembly ATPase PilB

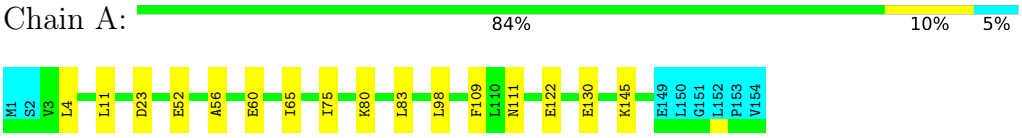
Chain A:



4.2.9 Score per residue for model 9

• Molecule 1: Type IV pilus assembly ATPase PilB

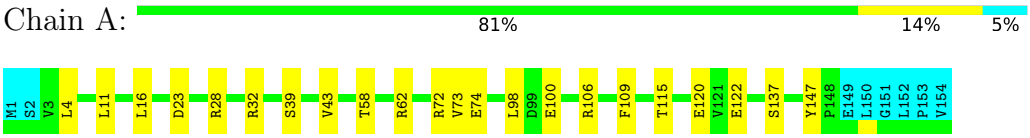
Chain A:



4.2.10 Score per residue for model 10

• Molecule 1: Type IV pilus assembly ATPase PilB

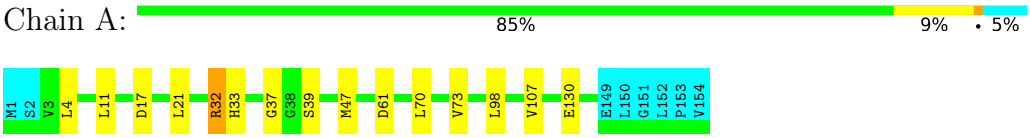
Chain A:



4.2.11 Score per residue for model 11

• Molecule 1: Type IV pilus assembly ATPase PilB

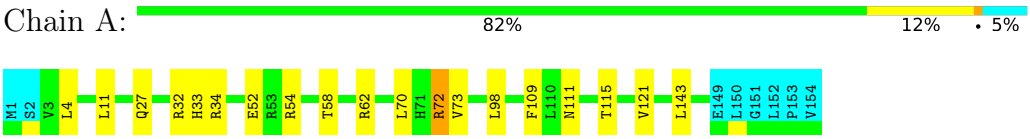
Chain A:



4.2.12 Score per residue for model 12

• Molecule 1: Type IV pilus assembly ATPase PilB

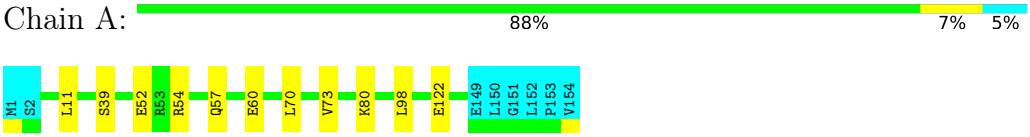
Chain A:



4.2.13 Score per residue for model 13

• Molecule 1: Type IV pilus assembly ATPase PilB

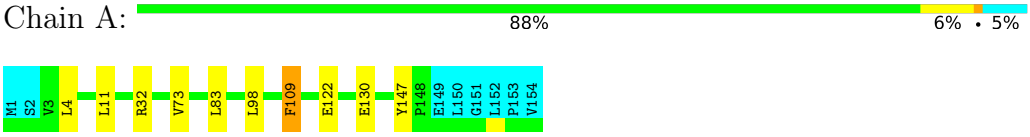
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: Type IV pilus assembly ATPase PilB

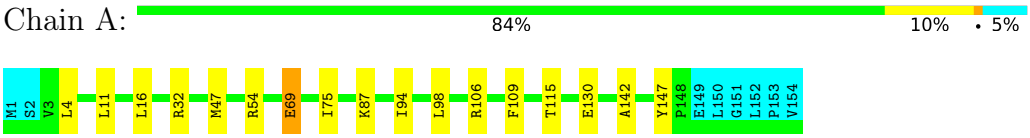
Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: Type IV pilus assembly ATPase PilB

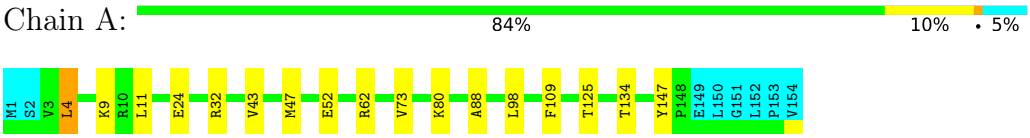
Chain A:



4.2.16 Score per residue for model 16

• Molecule 1: Type IV pilus assembly ATPase PilB

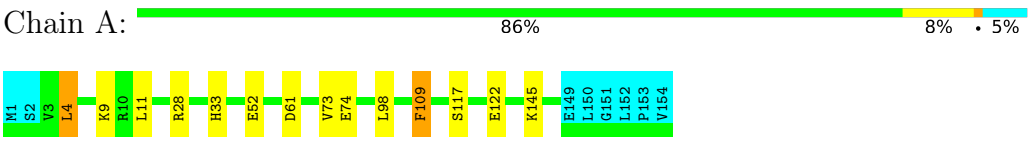
Chain A:



4.2.17 Score per residue for model 17

• Molecule 1: Type IV pilus assembly ATPase PilB

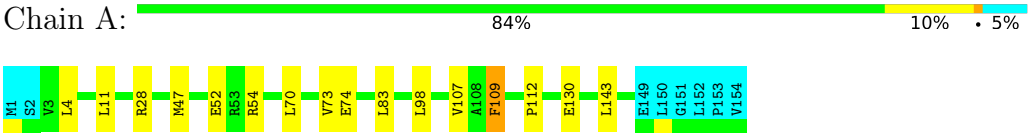
Chain A:



4.2.18 Score per residue for model 18

• Molecule 1: Type IV pilus assembly ATPase PilB

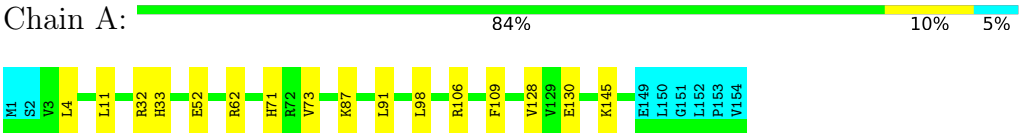
Chain A:



4.2.19 Score per residue for model 19

• Molecule 1: Type IV pilus assembly ATPase PilB

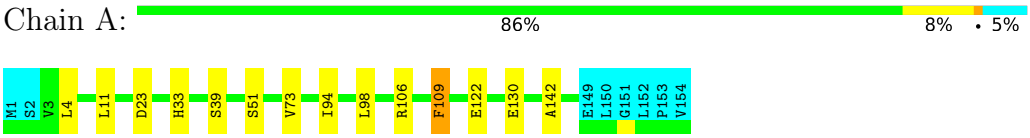
Chain A:



4.2.20 Score per residue for model 20

• Molecule 1: Type IV pilus assembly ATPase PilB

Chain A:



5 Refinement protocol and experimental data overview

The models were refined using the following method: *torsion angle dynamics, simulated annealing, distance geometry.*

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

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

Software name	Classification	Version
CYANA	structure calculation	
CYANA	refinement	
CYANA	refinement	
CYANA	refinement	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	1984
Number of shifts mapped to atoms	1984
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	92%

6 Model quality

6.1 Standard geometry

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	0.63±0.01	0±0/1151 (0.0± 0.0%)	1.37±0.02	2±2/1563 (0.2± 0.1%)
All	All	0.63	0/23020 (0.0%)	1.37	50/31260 (0.2%)

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	1.0±0.7
All	All	0	20

There are no bond-length outliers.

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

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	A	109	PHE	CA-CB-CG	8.21	122.01	113.80	20	14
1	A	111	ASN	CA-CB-CG	6.91	119.51	112.60	12	3
1	A	23	ASP	CA-C-N	6.06	128.69	120.44	9	5
1	A	23	ASP	C-N-CA	6.06	128.69	120.44	9	5
1	A	65	ILE	CB-CA-C	5.86	116.39	110.94	9	1
1	A	88	ALA	CA-C-N	5.83	128.02	120.44	7	2
1	A	88	ALA	C-N-CA	5.83	128.02	120.44	7	2
1	A	71	HIS	CB-CG-CD2	-5.52	124.02	131.20	19	1
1	A	6	ILE	N-CA-C	-5.36	105.49	110.53	5	1
1	A	111	ASN	CA-C-N	5.36	125.07	119.82	4	1
1	A	111	ASN	C-N-CA	5.36	125.07	119.82	4	1
1	A	75	ILE	CB-CA-C	5.31	116.12	111.08	9	2
1	A	128	VAL	CB-CA-C	5.28	118.21	110.98	2	2
1	A	120	GLU	CA-C-N	5.26	127.19	120.56	10	1
1	A	120	GLU	C-N-CA	5.26	127.19	120.56	10	1

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	A	130	GLU	CB-CA-C	5.05	115.91	110.65	15	1
1	A	100	GLU	CA-C-N	5.05	127.98	120.31	10	1
1	A	100	GLU	C-N-CA	5.05	127.98	120.31	10	1
1	A	75	ILE	N-CA-C	-5.01	103.19	108.15	9	1
1	A	51	SER	CA-C-N	5.01	127.24	120.38	20	1
1	A	51	SER	C-N-CA	5.01	127.24	120.38	20	1
1	A	56	ALA	CA-C-N	5.01	126.95	120.44	9	1
1	A	56	ALA	C-N-CA	5.01	126.95	120.44	9	1

There are no chirality outliers.

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

Mol	Chain	Res	Type	Group	Models (Total)
1	A	147	TYR	Sidechain	4
1	A	106	ARG	Sidechain	4
1	A	34	ARG	Sidechain	2
1	A	28	ARG	Sidechain	2
1	A	62	ARG	Sidechain	2
1	A	10	ARG	Sidechain	1
1	A	109	PHE	Sidechain	1
1	A	141	TYR	Sidechain	1
1	A	32	ARG	Sidechain	1
1	A	72	ARG	Sidechain	1
1	A	54	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	1133	1179	1179	0±1
All	All	22660	23580	23580	10

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 0.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:4:LEU:CD1	1:A:9:LYS:HE2	0.55	2.32	17	1
1:A:94:ILE:HD13	1:A:142:ALA:HB3	0.54	1.77	15	2
1:A:109:PHE:CE2	1:A:112:PRO:HA	0.46	2.45	18	1
1:A:4:LEU:CD1	1:A:9:LYS:HE3	0.45	2.41	16	1
1:A:8:ASP:CG	1:A:40:LEU:H	0.44	2.20	3	2
1:A:87:LYS:HE3	1:A:87:LYS:HA	0.43	1.89	1	1
1:A:69:GLU:CD	1:A:69:GLU:H	0.41	2.23	15	1
1:A:69:GLU:CD	1:A:69:GLU:N	0.41	2.79	15	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	146/154 (95%)	142±1 (97±1%)	4±1 (3±1%)	0±0 (0±0%)	100	100
All	All	2920/3080 (95%)	2845 (97%)	74 (3%)	1 (0%)	100	100

All 1 unique Ramachandran outliers are listed below.

Mol	Chain	Res	Type	Models (Total)
1	A	37	GLY	1

6.3.2 Protein sidechains (i)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	121/128 (95%)	108±3 (90±2%)	13±3 (10±2%)	9	53
All	All	2420/2560 (95%)	2168 (90%)	252 (10%)	9	53

All 55 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	4	LEU	19
1	A	11	LEU	19
1	A	98	LEU	18
1	A	73	VAL	15
1	A	122	GLU	11
1	A	52	GLU	11
1	A	130	GLU	10
1	A	32	ARG	10
1	A	33	HIS	9
1	A	115	THR	7
1	A	39	SER	7
1	A	109	PHE	7
1	A	47	MET	6
1	A	80	LYS	6
1	A	70	LEU	6
1	A	16	LEU	5
1	A	58	THR	5
1	A	87	LYS	5
1	A	54	ARG	5
1	A	83	LEU	5
1	A	145	LYS	5
1	A	42	GLU	4
1	A	28	ARG	4
1	A	25	GLU	3
1	A	143	LEU	3
1	A	62	ARG	3
1	A	74	GLU	3
1	A	135	THR	2
1	A	117	SER	2
1	A	125	THR	2
1	A	34	ARG	2
1	A	137	SER	2
1	A	129	VAL	2
1	A	91	LEU	2
1	A	134	THR	2
1	A	60	GLU	2
1	A	43	VAL	2
1	A	72	ARG	2
1	A	61	ASP	2
1	A	107	VAL	2
1	A	46	ASP	1
1	A	92	LYS	1
1	A	22	THR	1

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Mol	Chain	Res	Type	Models (Total)
1	A	53	ARG	1
1	A	100	GLU	1
1	A	10	ARG	1
1	A	147	TYR	1
1	A	17	ASP	1
1	A	21	LEU	1
1	A	27	GLN	1
1	A	121	VAL	1
1	A	57	GLN	1
1	A	69	GLU	1
1	A	24	GLU	1
1	A	106	ARG	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 92% for the well-defined parts and 92% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shifts_1*

7.1.1 Bookkeeping

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

Total number of shifts	1984
Number of shifts mapped to atoms	1984
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	154	-0.10 ± 0.06	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	144	0.00 ± 0.08	None needed (< 0.5 ppm)
$^{13}C'$	153	-0.09 ± 0.11	None needed (< 0.5 ppm)
^{15}N	145	0.66 ± 0.30	Should be applied

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 92%, i.e. 1885 atoms were assigned a chemical shift out of a possible 2041. 0 out of 39 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	722/723 (100%)	293/293 (100%)	291/292 (100%)	138/138 (100%)
Sidechain	1109/1230 (90%)	760/807 (94%)	345/384 (90%)	4/39 (10%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	54/88 (61%)	27/44 (61%)	27/41 (66%)	0/3 (0%)
Overall	1885/2041 (92%)	1080/1144 (94%)	663/717 (92%)	142/180 (79%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 92%, i.e. 1983 atoms were assigned a chemical shift out of a possible 2145. 0 out of 42 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	760/762 (100%)	308/309 (100%)	307/308 (100%)	145/145 (100%)
Sidechain	1169/1295 (90%)	801/851 (94%)	364/405 (90%)	4/39 (10%)
Aromatic	54/88 (61%)	27/44 (61%)	27/41 (66%)	0/3 (0%)
Overall	1983/2145 (92%)	1136/1204 (94%)	698/754 (93%)	149/187 (80%)

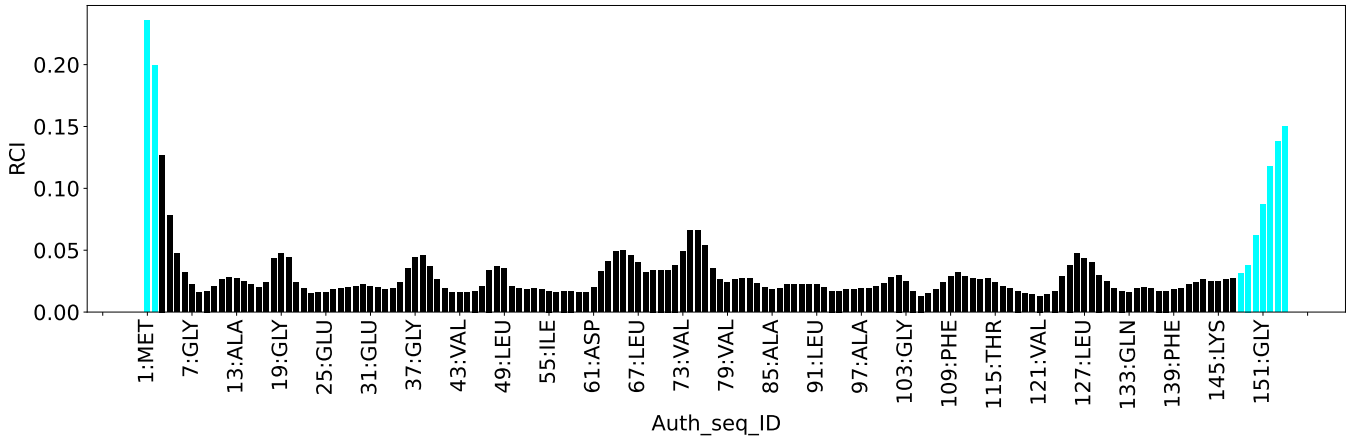
7.1.4 Statistically unusual chemical shifts (i)

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	2294
Intra-residue (|i-j|=0)	555
Sequential (|i-j|=1)	646
Medium range (|i-j|>1 and |i-j|<5)	479
Long range (|i-j|≥5)	592
Inter-chain	0
Hydrogen bond restraints	22
Disulfide bond restraints	0
Total dihedral-angle restraints	270
Number of unmapped restraints	0
Number of restraints per residue	16.6
Number of long range restraints per residue[1]	4.0

[1]Long range hydrogen bonds and disulfide bonds are counted as long range restraints while calculating the number of long range restraints per residue

8.2 Residual restraint violations

This section provides the overview of the restraint violations analysis. The violations are binned as small, medium and large violations based on its absolute value. Average number of violations per model is calculated by dividing the total number of violations in each bin by the size of the ensemble.

8.2.1 Average number of distance violations per model

Distance violations less than 0.1 Å
are not included in the calculation.

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	62.9	0.2
0.2-0.5 (Medium)	93.3	0.5
>0.5 (Large)	55.2	2.63

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)	13.3	3.25
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis (i)

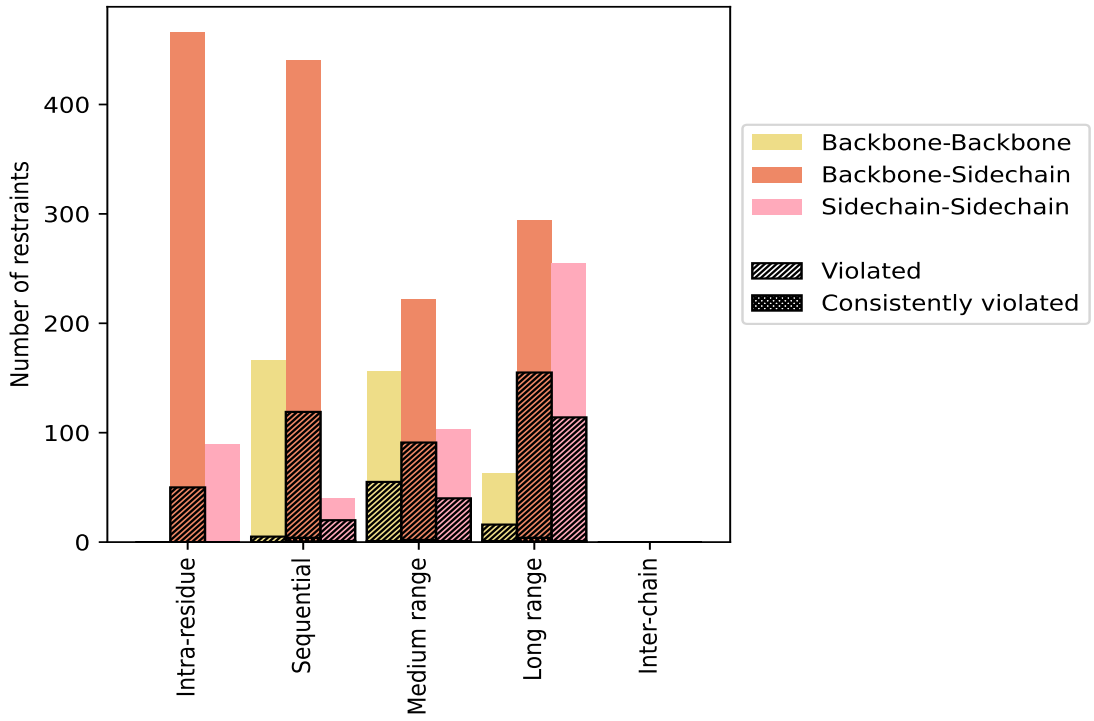
9.1 Summary of distance violations (i)

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.

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	555	24.2	50	9.0	2.2	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	466	20.3	50	10.7	2.2	0	0.0	0.0
Sidechain-Sidechain	89	3.9	0	0.0	0.0	0	0.0	0.0
Sequential (|i-j|=1)	646	28.2	144	22.3	6.3	5	0.8	0.2
Backbone-Backbone	166	7.2	5	3.0	0.2	0	0.0	0.0
Backbone-Sidechain	440	19.2	119	27.0	5.2	4	0.9	0.2
Sidechain-Sidechain	40	1.7	20	50.0	0.9	1	2.5	0.0
Medium range (|i-j|>1 & |i-j|<5)	479	20.9	184	38.4	8.0	4	0.8	0.2
Backbone-Backbone	156	6.8	55	35.3	2.4	1	0.6	0.0
Backbone-Sidechain	220	9.6	89	40.5	3.9	2	0.9	0.1
Sidechain-Sidechain	103	4.5	40	38.8	1.7	1	1.0	0.0
Long range (|i-j|≥5)	592	25.8	268	45.3	11.7	5	0.8	0.2
Backbone-Backbone	63	2.7	16	25.4	0.7	1	1.6	0.0
Backbone-Sidechain	274	11.9	138	50.4	6.0	3	1.1	0.1
Sidechain-Sidechain	255	11.1	114	44.7	5.0	1	0.4	0.0
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	22	1.0	19	86.4	0.8	1	4.5	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	2294	100.0	665	29.0	29.0	15	0.7	0.7
Backbone-Backbone	385	16.8	76	19.7	3.3	2	0.5	0.1
Backbone-Sidechain	1422	62.0	415	29.2	18.1	10	0.7	0.4
Sidechain-Sidechain	487	21.2	174	35.7	7.6	3	0.6	0.1

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	11	51	53	100	0	215	0.43	1.86	0.34	0.32
2	11	52	54	99	0	216	0.4	2.03	0.32	0.28
3	11	58	75	94	0	238	0.4	2.09	0.31	0.3
4	10	47	56	77	0	190	0.34	1.25	0.23	0.29
5	11	48	52	97	0	208	0.47	2.63	0.39	0.33
6	14	49	77	98	0	238	0.43	1.81	0.33	0.32
7	13	55	65	88	0	221	0.42	2.55	0.4	0.29
8	8	44	67	95	0	214	0.38	1.89	0.26	0.33
9	9	49	67	96	0	221	0.37	2.07	0.29	0.31
10	11	54	71	81	0	217	0.38	1.9	0.28	0.29

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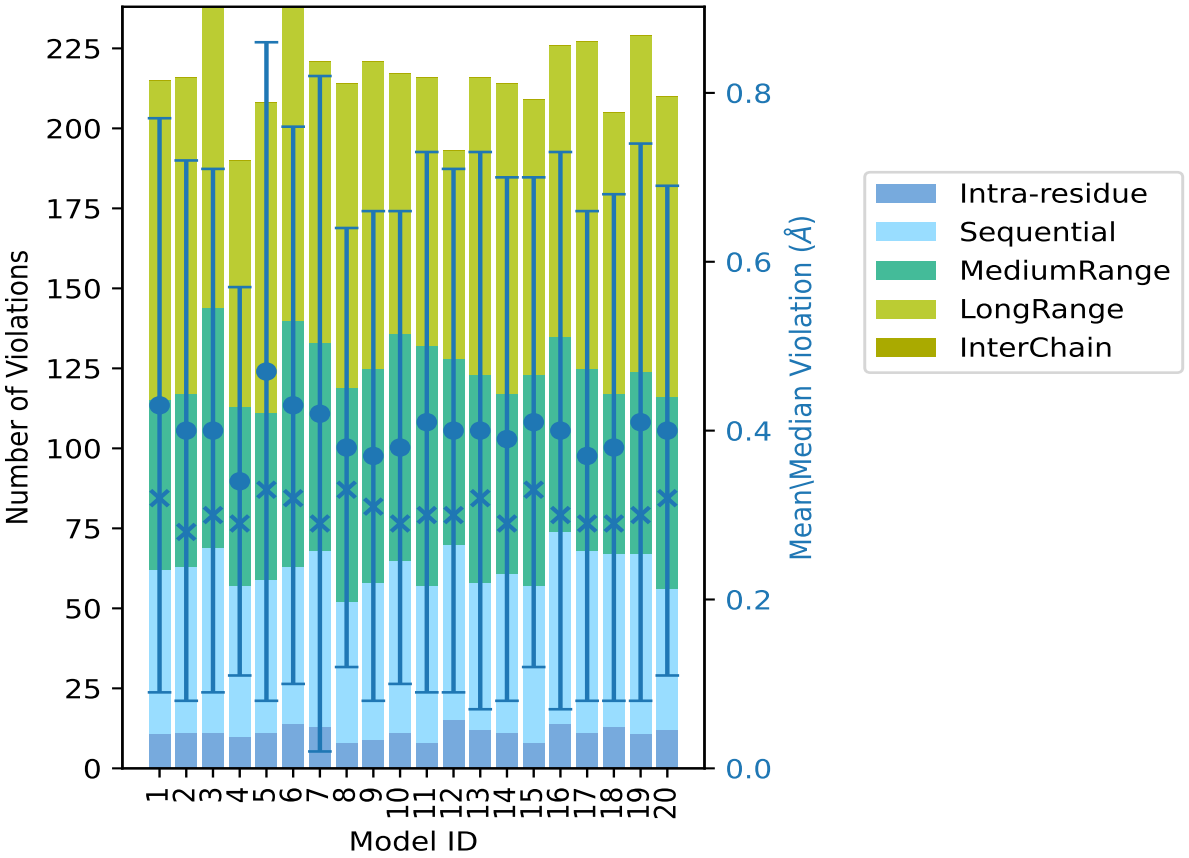
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	8	49	75	84	0	216	0.41	2.15	0.32	0.3
12	15	55	58	65	0	193	0.4	2.16	0.31	0.3
13	12	46	65	93	0	216	0.4	2.18	0.33	0.32
14	11	50	56	97	0	214	0.39	2.18	0.31	0.29
15	8	49	66	86	0	209	0.41	1.72	0.29	0.33
16	14	60	61	91	0	226	0.4	2.4	0.33	0.3
17	11	57	57	102	0	227	0.37	2.12	0.29	0.29
18	13	54	50	88	0	205	0.38	1.59	0.3	0.29
19	11	56	57	105	0	229	0.41	1.9	0.33	0.3
20	12	44	60	94	0	210	0.4	1.58	0.29	0.32

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

9.2.1 Bar graph : Distance Violation statistics for each model



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

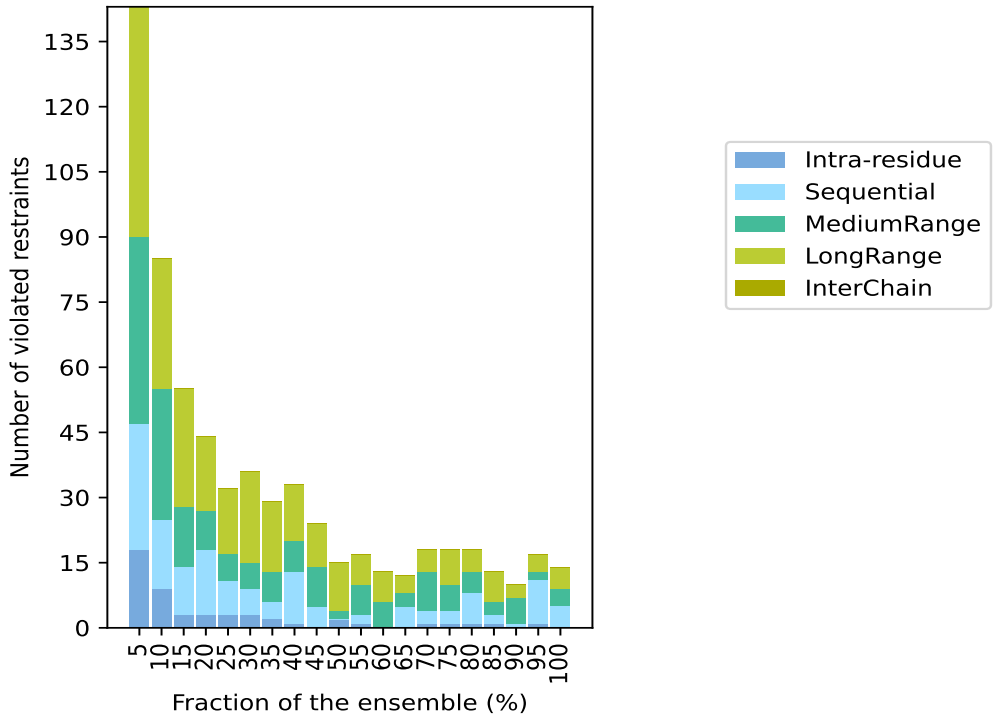
9.3 Distance violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 1626(IR:505, SQ:502, MR:295, LR:324, 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]	%
18	29	43	53	0	143	1	5.0
9	16	30	30	0	85	2	10.0
3	11	14	27	0	55	3	15.0
3	15	9	17	0	44	4	20.0
3	8	6	15	0	32	5	25.0
3	6	6	21	0	36	6	30.0
2	4	7	16	0	29	7	35.0
1	12	7	13	0	33	8	40.0
0	5	9	10	0	24	9	45.0
2	0	2	11	0	15	10	50.0
1	2	7	7	0	17	11	55.0
0	0	6	7	0	13	12	60.0
0	5	3	4	0	12	13	65.0
1	3	9	5	0	18	14	70.0
1	3	6	8	0	18	15	75.0
1	7	5	5	0	18	16	80.0
1	2	3	7	0	13	17	85.0
0	1	6	3	0	10	18	90.0
1	10	2	4	0	17	19	95.0
0	5	4	5	0	14	20	100.0

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

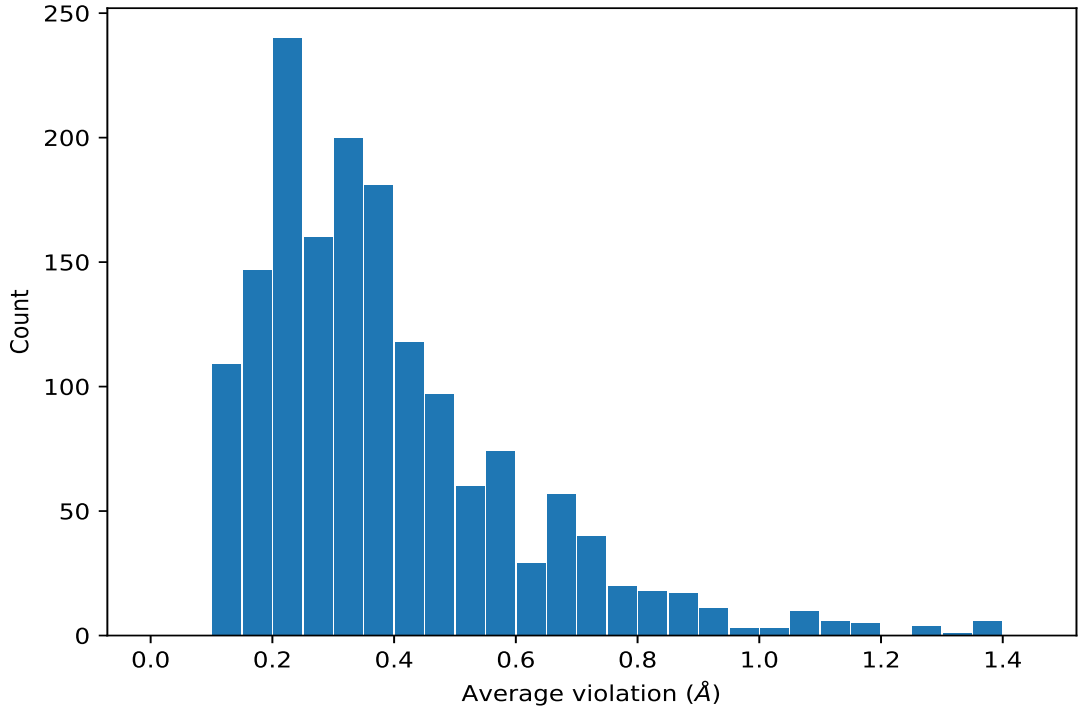
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

The following histogram shows the distribution of the average value of the violation. The average is calculated for each restraint that is violated in more than one model over all the violated models in the ensemble



9.4.2 Table: Most violated distance restraints

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE1	20	0.97	0.22	0.96
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE2	20	0.97	0.22	0.96
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD21	20	0.87	0.2	0.88
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD22	20	0.87	0.2	0.88
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD23	20	0.87	0.2	0.88
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD21	20	0.87	0.2	0.88
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD22	20	0.87	0.2	0.88
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD23	20	0.87	0.2	0.88
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD21	20	0.87	0.2	0.88
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD22	20	0.87	0.2	0.88
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD23	20	0.87	0.2	0.88
(4,14)	1:109:A:PHE:O	1:134:A:THR:H	20	0.85	0.35	0.79
(3,22)	1:122:A:GLU:HA	1:129:A:VAL:H	20	0.75	0.38	0.6
(3,1218)	1:26:A:LEU:HD21	1:27:A:GLN:HA	20	0.73	0.13	0.72
(3,1218)	1:26:A:LEU:HD22	1:27:A:GLN:HA	20	0.73	0.13	0.72
(3,1218)	1:26:A:LEU:HD23	1:27:A:GLN:HA	20	0.73	0.13	0.72

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1308)	1:20:A:LEU:HD21	1:58:A:THR:HA	20	0.72	0.22	0.73
(3,1308)	1:20:A:LEU:HD22	1:58:A:THR:HA	20	0.72	0.22	0.73
(3,1308)	1:20:A:LEU:HD23	1:58:A:THR:HA	20	0.72	0.22	0.73
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD11	20	0.67	0.3	0.62
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD12	20	0.67	0.3	0.62
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD13	20	0.67	0.3	0.62
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD11	20	0.67	0.3	0.62
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD12	20	0.67	0.3	0.62
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD13	20	0.67	0.3	0.62
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD11	20	0.67	0.3	0.62
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD12	20	0.67	0.3	0.62
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD13	20	0.67	0.3	0.62
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB2	20	0.64	0.3	0.62
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB3	20	0.64	0.3	0.62
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD21	20	0.59	0.13	0.6
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD22	20	0.59	0.13	0.6
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD23	20	0.59	0.13	0.6
(3,275)	1:11:A:LEU:HA	1:13:A:ALA:H	20	0.41	0.12	0.42
(3,1611)	1:104:A:VAL:HG11	1:128:A:VAL:HB	20	0.36	0.12	0.32
(3,1611)	1:104:A:VAL:HG12	1:128:A:VAL:HB	20	0.36	0.12	0.32
(3,1611)	1:104:A:VAL:HG13	1:128:A:VAL:HB	20	0.36	0.12	0.32
(3,1611)	1:104:A:VAL:HG21	1:128:A:VAL:HB	20	0.36	0.12	0.32
(3,1611)	1:104:A:VAL:HG22	1:128:A:VAL:HB	20	0.36	0.12	0.32
(3,1611)	1:104:A:VAL:HG23	1:128:A:VAL:HB	20	0.36	0.12	0.32
(3,1681)	1:140:A:LEU:HD11	1:141:A:TYR:HA	20	0.33	0.08	0.32
(3,1681)	1:140:A:LEU:HD12	1:141:A:TYR:HA	20	0.33	0.08	0.32
(3,1681)	1:140:A:LEU:HD13	1:141:A:TYR:HA	20	0.33	0.08	0.32
(3,92)	1:121:A:VAL:HG21	1:122:A:GLU:H	20	0.28	0.07	0.26
(3,92)	1:121:A:VAL:HG22	1:122:A:GLU:H	20	0.28	0.07	0.26
(3,92)	1:121:A:VAL:HG23	1:122:A:GLU:H	20	0.28	0.07	0.26
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB2	20	0.27	0.09	0.26
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB3	20	0.27	0.09	0.26
(3,141)	1:56:A:ALA:HB1	1:59:A:ILE:H	20	0.24	0.09	0.22
(3,141)	1:56:A:ALA:HB2	1:59:A:ILE:H	20	0.24	0.09	0.22
(3,141)	1:56:A:ALA:HB3	1:59:A:ILE:H	20	0.24	0.09	0.22
(3,896)	1:83:A:LEU:HD21	1:125:A:THR:H	19	1.39	0.49	1.28
(3,896)	1:83:A:LEU:HD22	1:125:A:THR:H	19	1.39	0.49	1.28
(3,896)	1:83:A:LEU:HD23	1:125:A:THR:H	19	1.39	0.49	1.28
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG21	19	0.75	0.33	0.63
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG22	19	0.75	0.33	0.63
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG23	19	0.75	0.33	0.63
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG21	19	0.75	0.33	0.63

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG22	19	0.75	0.33	0.63
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG23	19	0.75	0.33	0.63
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG21	19	0.75	0.33	0.63
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG22	19	0.75	0.33	0.63
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG23	19	0.75	0.33	0.63
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE1	19	0.62	0.34	0.56
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE2	19	0.62	0.34	0.56
(3,700)	1:124:A:LEU:HD11	1:125:A:THR:H	19	0.58	0.08	0.59
(3,700)	1:124:A:LEU:HD12	1:125:A:THR:H	19	0.58	0.08	0.59
(3,700)	1:124:A:LEU:HD13	1:125:A:THR:H	19	0.58	0.08	0.59
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB2	19	0.54	0.23	0.59
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB3	19	0.54	0.23	0.59
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB2	19	0.54	0.23	0.59
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB3	19	0.54	0.23	0.59
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB2	19	0.54	0.23	0.59
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB3	19	0.54	0.23	0.59
(3,404)	1:118:A:LEU:HD11	1:132:A:TYR:H	19	0.52	0.2	0.45
(3,404)	1:118:A:LEU:HD12	1:132:A:TYR:H	19	0.52	0.2	0.45
(3,404)	1:118:A:LEU:HD13	1:132:A:TYR:H	19	0.52	0.2	0.45
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB2	19	0.46	0.17	0.46
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB3	19	0.46	0.17	0.46
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB2	19	0.46	0.17	0.46
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB3	19	0.46	0.17	0.46
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB2	19	0.46	0.17	0.46
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB3	19	0.46	0.17	0.46
(3,1310)	1:55:A:ILE:HG21	1:58:A:THR:HB	19	0.42	0.16	0.38
(3,1310)	1:55:A:ILE:HG22	1:58:A:THR:HB	19	0.42	0.16	0.38
(3,1310)	1:55:A:ILE:HG23	1:58:A:THR:HB	19	0.42	0.16	0.38
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG11	19	0.4	0.14	0.37
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG12	19	0.4	0.14	0.37
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG13	19	0.4	0.14	0.37
(3,1282)	1:4:A:LEU:HB2	1:5:A:THR:HB	19	0.39	0.07	0.39
(3,1282)	1:4:A:LEU:HB3	1:5:A:THR:HB	19	0.39	0.07	0.39
(3,1151)	1:116:A:LEU:HG	1:117:A:SER:H	19	0.37	0.14	0.36
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD21	19	0.36	0.14	0.36
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD22	19	0.36	0.14	0.36
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD23	19	0.36	0.14	0.36
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB2	19	0.34	0.1	0.35
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB3	19	0.34	0.1	0.35
(3,821)	1:67:A:LEU:H	1:68:A:VAL:H	19	0.31	0.06	0.32
(3,1783)	1:21:A:LEU:HB2	1:22:A:THR:HA	19	0.22	0.06	0.22
(3,1783)	1:21:A:LEU:HB3	1:22:A:THR:HA	19	0.22	0.06	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD21	19	0.21	0.05	0.2
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD22	19	0.21	0.05	0.2
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD23	19	0.21	0.05	0.2
(3,644)	1:36:A:VAL:HG11	1:37:A:GLY:H	19	0.21	0.05	0.22
(3,644)	1:36:A:VAL:HG12	1:37:A:GLY:H	19	0.21	0.05	0.22
(3,644)	1:36:A:VAL:HG13	1:37:A:GLY:H	19	0.21	0.05	0.22
(4,13)	1:109:A:PHE:O	1:134:A:THR:N	18	0.54	0.27	0.5
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB2	18	0.52	0.2	0.52
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB3	18	0.52	0.2	0.52
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB2	18	0.52	0.2	0.52
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB3	18	0.52	0.2	0.52
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB2	18	0.52	0.2	0.52
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB3	18	0.52	0.2	0.52
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE1	18	0.43	0.21	0.39
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE2	18	0.43	0.21	0.39
(3,1337)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	18	0.41	0.12	0.42
(3,1337)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	18	0.41	0.12	0.42
(3,1337)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	18	0.41	0.12	0.42
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG21	18	0.4	0.16	0.38
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG22	18	0.4	0.16	0.38
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG23	18	0.4	0.16	0.38
(3,135)	1:116:A:LEU:HG	1:118:A:LEU:H	18	0.4	0.18	0.34
(3,1932)	1:57:A:GLN:HG2	1:58:A:THR:HA	18	0.36	0.07	0.38
(3,1932)	1:57:A:GLN:HG3	1:58:A:THR:HA	18	0.36	0.07	0.38
(3,1715)	1:7:A:GLY:HA2	1:12:A:GLY:H	18	0.34	0.12	0.33
(3,1715)	1:7:A:GLY:HA3	1:12:A:GLY:H	18	0.34	0.12	0.33
(3,832)	1:80:A:LYS:H	1:82:A:LEU:HG	18	0.29	0.13	0.27
(3,681)	1:48:A:GLY:H	1:50:A:LEU:H	18	0.24	0.08	0.23
(3,2027)	1:84:A:PRO:HB2	1:87:A:LYS:H	18	0.24	0.09	0.24
(3,2027)	1:84:A:PRO:HB3	1:87:A:LYS:H	18	0.24	0.09	0.24
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD11	17	1.35	0.63	1.51
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD12	17	1.35	0.63	1.51
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD13	17	1.35	0.63	1.51
(3,666)	1:59:A:ILE:HB	1:133:A:GLN:HE21	17	1.28	0.72	1.1
(3,1235)	1:83:A:LEU:HD21	1:121:A:VAL:HA	17	0.75	0.41	0.75
(3,1235)	1:83:A:LEU:HD22	1:121:A:VAL:HA	17	0.75	0.41	0.75
(3,1235)	1:83:A:LEU:HD23	1:121:A:VAL:HA	17	0.75	0.41	0.75
(3,2162)	1:122:A:GLU:HG2	1:129:A:VAL:H	17	0.69	0.25	0.74
(3,2162)	1:122:A:GLU:HG3	1:129:A:VAL:H	17	0.69	0.25	0.74
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG12	17	0.67	0.34	0.68
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG13	17	0.67	0.34	0.68
(3,1831)	1:32:A:ARG:HD2	1:37:A:GLY:H	17	0.59	0.26	0.63

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1831)	1:32:A:ARG:HD3	1:37:A:GLY:H	17	0.59	0.26	0.63
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD21	17	0.51	0.3	0.43
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD22	17	0.51	0.3	0.43
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD23	17	0.51	0.3	0.43
(3,684)	1:48:A:GLY:H	1:49:A:LEU:HG	17	0.46	0.22	0.52
(3,1493)	1:107:A:VAL:HG11	1:118:A:LEU:HG	17	0.44	0.22	0.43
(3,1493)	1:107:A:VAL:HG12	1:118:A:LEU:HG	17	0.44	0.22	0.43
(3,1493)	1:107:A:VAL:HG13	1:118:A:LEU:HG	17	0.44	0.22	0.43
(3,936)	1:11:A:LEU:H	1:13:A:ALA:H	17	0.33	0.11	0.32
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD21	17	0.28	0.1	0.28
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD22	17	0.28	0.1	0.28
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD23	17	0.28	0.1	0.28
(3,211)	1:121:A:VAL:HG21	1:123:A:ASP:H	17	0.28	0.1	0.25
(3,211)	1:121:A:VAL:HG22	1:123:A:ASP:H	17	0.28	0.1	0.25
(3,211)	1:121:A:VAL:HG23	1:123:A:ASP:H	17	0.28	0.1	0.25
(3,699)	1:124:A:LEU:HD21	1:125:A:THR:H	17	0.28	0.05	0.3
(3,699)	1:124:A:LEU:HD22	1:125:A:THR:H	17	0.28	0.05	0.3
(3,699)	1:124:A:LEU:HD23	1:125:A:THR:H	17	0.28	0.05	0.3
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE21	16	0.85	0.6	0.62
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE22	16	0.85	0.6	0.62
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE21	16	0.85	0.6	0.62
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE22	16	0.85	0.6	0.62
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE21	16	0.85	0.6	0.62
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE22	16	0.85	0.6	0.62
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD2	16	0.81	0.55	0.74
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD3	16	0.81	0.55	0.74
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD21	16	0.62	0.28	0.64
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD22	16	0.62	0.28	0.64
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD23	16	0.62	0.28	0.64
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD11	16	0.47	0.26	0.42
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD12	16	0.47	0.26	0.42
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD13	16	0.47	0.26	0.42
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE1	16	0.41	0.17	0.35
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE2	16	0.41	0.17	0.35
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE1	16	0.41	0.17	0.35
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE2	16	0.41	0.17	0.35
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE1	16	0.41	0.17	0.35
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE2	16	0.41	0.17	0.35
(3,861)	1:99:A:ASP:H	1:106:A:ARG:H	16	0.41	0.16	0.42
(3,952)	1:70:A:LEU:HD21	1:73:A:VAL:H	16	0.39	0.21	0.35
(3,952)	1:70:A:LEU:HD22	1:73:A:VAL:H	16	0.39	0.21	0.35
(3,952)	1:70:A:LEU:HD23	1:73:A:VAL:H	16	0.39	0.21	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,361)	1:140:A:LEU:HD11	1:141:A:TYR:H	16	0.39	0.12	0.41
(3,361)	1:140:A:LEU:HD12	1:141:A:TYR:H	16	0.39	0.12	0.41
(3,361)	1:140:A:LEU:HD13	1:141:A:TYR:H	16	0.39	0.12	0.41
(3,596)	1:83:A:LEU:HD11	1:89:A:LYS:H	16	0.38	0.21	0.38
(3,596)	1:83:A:LEU:HD12	1:89:A:LYS:H	16	0.38	0.21	0.38
(3,596)	1:83:A:LEU:HD13	1:89:A:LYS:H	16	0.38	0.21	0.38
(3,643)	1:33:A:HIS:HA	1:37:A:GLY:H	16	0.38	0.27	0.24
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD21	16	0.37	0.11	0.39
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD22	16	0.37	0.11	0.39
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD23	16	0.37	0.11	0.39
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB2	16	0.34	0.11	0.34
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB3	16	0.34	0.11	0.34
(3,891)	1:121:A:VAL:H	1:123:A:ASP:H	16	0.33	0.14	0.3
(3,425)	1:132:A:TYR:HE1	1:133:A:GLN:H	16	0.29	0.13	0.26
(3,425)	1:132:A:TYR:HE2	1:133:A:GLN:H	16	0.29	0.13	0.26
(3,789)	1:45:A:VAL:H	1:48:A:GLY:H	16	0.26	0.09	0.22
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB2	16	0.24	0.1	0.2
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB3	16	0.24	0.1	0.2
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG21	16	0.23	0.1	0.23
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG22	16	0.23	0.1	0.23
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG23	16	0.23	0.1	0.23
(3,647)	1:126:A:GLY:H	1:127:A:LEU:HG	16	0.22	0.12	0.18
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA2	15	1.06	0.5	1.29
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA3	15	1.06	0.5	1.29
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA2	15	1.06	0.5	1.29
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA3	15	1.06	0.5	1.29
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA2	15	1.06	0.5	1.29
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA3	15	1.06	0.5	1.29
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB1	15	0.57	0.29	0.48
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB2	15	0.57	0.29	0.48
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB3	15	0.57	0.29	0.48
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB1	15	0.57	0.29	0.48
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB2	15	0.57	0.29	0.48
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB3	15	0.57	0.29	0.48
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB1	15	0.57	0.29	0.48
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB2	15	0.57	0.29	0.48
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB3	15	0.57	0.29	0.48
(3,469)	1:83:A:LEU:HD11	1:87:A:LYS:H	15	0.56	0.29	0.63
(3,469)	1:83:A:LEU:HD12	1:87:A:LYS:H	15	0.56	0.29	0.63
(3,469)	1:83:A:LEU:HD13	1:87:A:LYS:H	15	0.56	0.29	0.63
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG21	15	0.49	0.3	0.4
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG22	15	0.49	0.3	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG23	15	0.49	0.3	0.4
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG21	15	0.49	0.3	0.4
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG22	15	0.49	0.3	0.4
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG23	15	0.49	0.3	0.4
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG21	15	0.49	0.3	0.4
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG22	15	0.49	0.3	0.4
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG23	15	0.49	0.3	0.4
(3,897)	1:105:A:VAL:HG21	1:125:A:THR:H	15	0.47	0.2	0.46
(3,897)	1:105:A:VAL:HG22	1:125:A:THR:H	15	0.47	0.2	0.46
(3,897)	1:105:A:VAL:HG23	1:125:A:THR:H	15	0.47	0.2	0.46
(3,33)	1:99:A:ASP:H	1:105:A:VAL:HB	15	0.37	0.14	0.37
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG11	15	0.37	0.19	0.4
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG12	15	0.37	0.19	0.4
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG13	15	0.37	0.19	0.4
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG11	15	0.37	0.19	0.4
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG12	15	0.37	0.19	0.4
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG13	15	0.37	0.19	0.4
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG11	15	0.37	0.19	0.4
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG12	15	0.37	0.19	0.4
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG13	15	0.37	0.19	0.4
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG21	15	0.37	0.2	0.32
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG22	15	0.37	0.2	0.32
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG23	15	0.37	0.2	0.32
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD21	15	0.36	0.23	0.32
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD22	15	0.36	0.23	0.32
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD23	15	0.36	0.23	0.32
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD21	15	0.36	0.23	0.32
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD22	15	0.36	0.23	0.32
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD23	15	0.36	0.23	0.32
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD21	15	0.36	0.23	0.32
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD22	15	0.36	0.23	0.32
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD23	15	0.36	0.23	0.32
(3,457)	1:26:A:LEU:HD21	1:27:A:GLN:H	15	0.35	0.13	0.36
(3,457)	1:26:A:LEU:HD22	1:27:A:GLN:H	15	0.35	0.13	0.36
(3,457)	1:26:A:LEU:HD23	1:27:A:GLN:H	15	0.35	0.13	0.36
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG2	15	0.34	0.17	0.32
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG3	15	0.34	0.17	0.32
(3,655)	1:22:A:THR:H	1:25:A:GLU:HA	15	0.3	0.15	0.3
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG21	15	0.23	0.1	0.18
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG22	15	0.23	0.1	0.18
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG23	15	0.23	0.1	0.18
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG21	15	0.23	0.1	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG22	15	0.23	0.1	0.18
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG23	15	0.23	0.1	0.18
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG21	15	0.23	0.1	0.18
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG22	15	0.23	0.1	0.18
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG23	15	0.23	0.1	0.18
(3,72)	1:45:A:VAL:HG21	1:46:A:ASP:H	15	0.22	0.06	0.22
(3,72)	1:45:A:VAL:HG22	1:46:A:ASP:H	15	0.22	0.06	0.22
(3,72)	1:45:A:VAL:HG23	1:46:A:ASP:H	15	0.22	0.06	0.22
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG21	15	0.21	0.07	0.21
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG22	15	0.21	0.07	0.21
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG23	15	0.21	0.07	0.21
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG21	15	0.21	0.07	0.21
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG22	15	0.21	0.07	0.21
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG23	15	0.21	0.07	0.21
(3,408)	1:129:A:VAL:HG21	1:132:A:TYR:H	15	0.21	0.12	0.17
(3,408)	1:129:A:VAL:HG22	1:132:A:TYR:H	15	0.21	0.12	0.17
(3,408)	1:129:A:VAL:HG23	1:132:A:TYR:H	15	0.21	0.12	0.17
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD11	15	0.2	0.06	0.21
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD12	15	0.2	0.06	0.21
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD13	15	0.2	0.06	0.21
(3,491)	1:56:A:ALA:HB1	1:58:A:THR:H	15	0.19	0.05	0.18
(3,491)	1:56:A:ALA:HB2	1:58:A:THR:H	15	0.19	0.05	0.18
(3,491)	1:56:A:ALA:HB3	1:58:A:THR:H	15	0.19	0.05	0.18
(4,22)	1:5:A:THR:H	1:8:A:ASP:OD2	14	0.86	0.4	0.81
(4,21)	1:5:A:THR:N	1:8:A:ASP:OD2	14	0.83	0.4	0.82
(3,1099)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	14	0.74	0.49	0.53
(3,1099)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	14	0.74	0.49	0.53
(3,1099)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	14	0.74	0.49	0.53
(3,1320)	1:6:A:ILE:HG21	1:115:A:THR:HB	14	0.72	0.52	0.6
(3,1320)	1:6:A:ILE:HG22	1:115:A:THR:HB	14	0.72	0.52	0.6
(3,1320)	1:6:A:ILE:HG23	1:115:A:THR:HB	14	0.72	0.52	0.6
(3,1324)	1:6:A:ILE:HG21	1:115:A:THR:HA	14	0.7	0.5	0.49
(3,1324)	1:6:A:ILE:HG22	1:115:A:THR:HA	14	0.7	0.5	0.49
(3,1324)	1:6:A:ILE:HG23	1:115:A:THR:HA	14	0.7	0.5	0.49
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD11	14	0.55	0.24	0.5
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD12	14	0.55	0.24	0.5
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD13	14	0.55	0.24	0.5
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD2	14	0.47	0.32	0.42
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD3	14	0.47	0.32	0.42
(3,1233)	1:120:A:GLU:HA	1:123:A:ASP:HB2	14	0.46	0.3	0.36
(3,74)	1:5:A:THR:HG21	1:40:A:LEU:H	14	0.46	0.27	0.34
(3,74)	1:5:A:THR:HG22	1:40:A:LEU:H	14	0.46	0.27	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,74)	1:5:A:THR:HG23	1:40:A:LEU:H	14	0.46	0.27	0.34
(3,1293)	1:43:A:VAL:HG21	1:44:A:LEU:HA	14	0.42	0.19	0.37
(3,1293)	1:43:A:VAL:HG22	1:44:A:LEU:HA	14	0.42	0.19	0.37
(3,1293)	1:43:A:VAL:HG23	1:44:A:LEU:HA	14	0.42	0.19	0.37
(3,763)	1:32:A:ARG:H	1:35:A:GLU:H	14	0.34	0.18	0.34
(3,1906)	1:50:A:LEU:HB2	1:55:A:ILE:HA	14	0.32	0.2	0.26
(3,1906)	1:50:A:LEU:HB3	1:55:A:ILE:HA	14	0.32	0.2	0.26
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB2	14	0.29	0.16	0.26
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB3	14	0.29	0.16	0.26
(3,1784)	1:21:A:LEU:HB2	1:25:A:GLU:H	14	0.28	0.13	0.27
(3,1784)	1:21:A:LEU:HB3	1:25:A:GLU:H	14	0.28	0.13	0.27
(3,752)	1:23:A:ASP:HB2	1:27:A:GLN:H	14	0.27	0.12	0.26
(3,752)	1:23:A:ASP:HB3	1:27:A:GLN:H	14	0.27	0.12	0.26
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG21	14	0.27	0.16	0.28
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG22	14	0.27	0.16	0.28
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG23	14	0.27	0.16	0.28
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG21	14	0.27	0.16	0.28
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG22	14	0.27	0.16	0.28
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG23	14	0.27	0.16	0.28
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG21	14	0.27	0.16	0.28
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG22	14	0.27	0.16	0.28
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG23	14	0.27	0.16	0.28
(3,711)	1:6:A:ILE:HG21	1:8:A:ASP:H	14	0.22	0.08	0.2
(3,711)	1:6:A:ILE:HG22	1:8:A:ASP:H	14	0.22	0.08	0.2
(3,711)	1:6:A:ILE:HG23	1:8:A:ASP:H	14	0.22	0.08	0.2
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD11	14	0.2	0.07	0.2
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD12	14	0.2	0.07	0.2
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD13	14	0.2	0.07	0.2
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD11	14	0.2	0.07	0.2
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD12	14	0.2	0.07	0.2
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD13	14	0.2	0.07	0.2
(3,811)	1:62:A:ARG:H	1:64:A:GLY:H	14	0.19	0.07	0.18
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD21	14	0.17	0.04	0.18
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD22	14	0.17	0.04	0.18
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD23	14	0.17	0.04	0.18
(3,912)	1:56:A:ALA:HA	1:133:A:GLN:HE21	13	0.98	0.44	0.92
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG2	13	0.71	0.3	0.68
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG3	13	0.71	0.3	0.68
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG2	13	0.71	0.3	0.68
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG3	13	0.71	0.3	0.68
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG2	13	0.71	0.3	0.68
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG3	13	0.71	0.3	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	13	0.57	0.42	0.49
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE22	13	0.57	0.42	0.49
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	13	0.57	0.42	0.49
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE22	13	0.57	0.42	0.49
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	13	0.57	0.42	0.49
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE22	13	0.57	0.42	0.49
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG2	13	0.5	0.38	0.33
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG3	13	0.5	0.38	0.33
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG2	13	0.48	0.25	0.53
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG3	13	0.48	0.25	0.53
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG21	13	0.32	0.16	0.28
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG22	13	0.32	0.16	0.28
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG23	13	0.32	0.16	0.28
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG21	13	0.32	0.16	0.28
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG22	13	0.32	0.16	0.28
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG23	13	0.32	0.16	0.28
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG21	13	0.3	0.17	0.3
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG22	13	0.3	0.17	0.3
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG23	13	0.3	0.17	0.3
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG21	13	0.3	0.17	0.3
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG22	13	0.3	0.17	0.3
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG23	13	0.3	0.17	0.3
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG21	13	0.3	0.17	0.3
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG22	13	0.3	0.17	0.3
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG23	13	0.3	0.17	0.3
(3,808)	1:61:A:ASP:H	1:65:A:ILE:H	13	0.26	0.13	0.23
(3,338)	1:57:A:GLN:H	1:58:A:THR:HB	13	0.24	0.12	0.21
(3,1769)	1:16:A:LEU:HB2	1:17:A:ASP:HA	13	0.23	0.07	0.21
(3,1769)	1:16:A:LEU:HB3	1:17:A:ASP:HA	13	0.23	0.07	0.21
(3,628)	1:109:A:PHE:HB3	1:111:A:ASN:H	13	0.21	0.07	0.18
(3,413)	1:107:A:VAL:HB	1:132:A:TYR:H	13	0.18	0.08	0.17
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG11	12	0.59	0.26	0.56
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG12	12	0.59	0.26	0.56
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG13	12	0.59	0.26	0.56
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG11	12	0.59	0.26	0.56
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG12	12	0.59	0.26	0.56
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG13	12	0.59	0.26	0.56
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG11	12	0.59	0.26	0.56
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG12	12	0.59	0.26	0.56
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG13	12	0.59	0.26	0.56
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG21	12	0.57	0.29	0.6
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG22	12	0.57	0.29	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG23	12	0.57	0.29	0.6
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB1	12	0.52	0.32	0.47
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB2	12	0.52	0.32	0.47
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB3	12	0.52	0.32	0.47
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB1	12	0.52	0.32	0.47
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB2	12	0.52	0.32	0.47
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB3	12	0.52	0.32	0.47
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB1	12	0.52	0.32	0.47
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB2	12	0.52	0.32	0.47
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB3	12	0.52	0.32	0.47
(3,710)	1:7:A:GLY:H	1:115:A:THR:HB	12	0.48	0.4	0.36
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG21	12	0.48	0.23	0.48
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG22	12	0.48	0.23	0.48
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG23	12	0.48	0.23	0.48
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG21	12	0.48	0.23	0.48
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG22	12	0.48	0.23	0.48
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG23	12	0.48	0.23	0.48
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG21	12	0.48	0.23	0.48
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG22	12	0.48	0.23	0.48
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG23	12	0.48	0.23	0.48
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD11	12	0.46	0.25	0.47
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD12	12	0.46	0.25	0.47
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD13	12	0.46	0.25	0.47
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE1	12	0.43	0.27	0.34
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE2	12	0.43	0.27	0.34
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE1	12	0.43	0.27	0.34
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE2	12	0.43	0.27	0.34
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE1	12	0.43	0.27	0.34
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE2	12	0.43	0.27	0.34
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG21	12	0.39	0.23	0.33
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG22	12	0.39	0.23	0.33
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG23	12	0.39	0.23	0.33
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD21	12	0.33	0.13	0.34
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD22	12	0.33	0.13	0.34
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD23	12	0.33	0.13	0.34
(4,16)	1:109:A:PHE:H	1:132:A:TYR:O	12	0.32	0.19	0.22
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD11	12	0.32	0.24	0.22
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD12	12	0.32	0.24	0.22
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD13	12	0.32	0.24	0.22
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG21	12	0.3	0.2	0.18
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG22	12	0.3	0.2	0.18
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG23	12	0.3	0.2	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB2	12	0.25	0.1	0.24
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB3	12	0.25	0.1	0.24
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG21	12	0.25	0.08	0.26
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG22	12	0.25	0.08	0.26
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG23	12	0.25	0.08	0.26
(3,625)	1:110:A:LEU:HG	1:135:A:THR:H	11	0.72	0.34	0.68
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD2	11	0.62	0.37	0.58
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD3	11	0.62	0.37	0.58
(3,668)	1:56:A:ALA:HB1	1:133:A:GLN:HE21	11	0.51	0.24	0.41
(3,668)	1:56:A:ALA:HB2	1:133:A:GLN:HE21	11	0.51	0.24	0.41
(3,668)	1:56:A:ALA:HB3	1:133:A:GLN:HE21	11	0.51	0.24	0.41
(3,307)	1:33:A:HIS:H	1:43:A:VAL:HB	11	0.45	0.2	0.4
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD11	11	0.39	0.24	0.31
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD12	11	0.39	0.24	0.31
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD13	11	0.39	0.24	0.31
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG21	11	0.37	0.17	0.33
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG22	11	0.37	0.17	0.33
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG23	11	0.37	0.17	0.33
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG21	11	0.37	0.17	0.33
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG22	11	0.37	0.17	0.33
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG23	11	0.37	0.17	0.33
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG21	11	0.37	0.17	0.33
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG22	11	0.37	0.17	0.33
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG23	11	0.37	0.17	0.33
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG2	11	0.33	0.12	0.35
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG3	11	0.33	0.12	0.35
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG2	11	0.33	0.12	0.35
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG3	11	0.33	0.12	0.35
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG2	11	0.33	0.12	0.35
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG3	11	0.33	0.12	0.35
(3,2073)	1:96:A:PHE:HB2	1:108:A:ALA:H	11	0.33	0.16	0.31
(3,2073)	1:96:A:PHE:HB3	1:108:A:ALA:H	11	0.33	0.16	0.31
(3,651)	1:122:A:GLU:HA	1:126:A:GLY:H	11	0.32	0.14	0.28
(3,731)	1:18:A:ALA:H	1:20:A:LEU:HG	11	0.3	0.14	0.32
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	11	0.29	0.18	0.24
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB3	11	0.29	0.18	0.24
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	11	0.29	0.18	0.24
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB3	11	0.29	0.18	0.24
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	11	0.29	0.18	0.24
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB3	11	0.29	0.18	0.24
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG11	11	0.27	0.11	0.27
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG12	11	0.27	0.11	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG13	11	0.27	0.11	0.27
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG21	11	0.26	0.2	0.16
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG22	11	0.26	0.2	0.16
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG23	11	0.26	0.2	0.16
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG21	11	0.26	0.2	0.16
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG22	11	0.26	0.2	0.16
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG23	11	0.26	0.2	0.16
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG21	11	0.26	0.2	0.16
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG22	11	0.26	0.2	0.16
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG23	11	0.26	0.2	0.16
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG21	11	0.22	0.1	0.22
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG22	11	0.22	0.1	0.22
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG23	11	0.22	0.1	0.22
(3,196)	1:55:A:ILE:HD11	1:56:A:ALA:H	11	0.21	0.13	0.15
(3,196)	1:55:A:ILE:HD12	1:56:A:ALA:H	11	0.21	0.13	0.15
(3,196)	1:55:A:ILE:HD13	1:56:A:ALA:H	11	0.21	0.13	0.15
(4,2)	1:103:A:GLY:O	1:128:A:VAL:H	11	0.21	0.12	0.16
(3,27)	1:129:A:VAL:H	1:129:A:VAL:HB	11	0.18	0.03	0.18
(3,986)	1:43:A:VAL:HB	1:46:A:ASP:H	11	0.17	0.05	0.15
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG21	10	0.92	0.47	0.8
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG22	10	0.92	0.47	0.8
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG23	10	0.92	0.47	0.8
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG21	10	0.92	0.47	0.8
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG22	10	0.92	0.47	0.8
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG23	10	0.92	0.47	0.8
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG21	10	0.92	0.47	0.8
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG22	10	0.92	0.47	0.8
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG23	10	0.92	0.47	0.8
(3,1758)	1:14:A:ALA:HB1	1:62:A:ARG:HD2	10	0.65	0.43	0.51
(3,1758)	1:14:A:ALA:HB1	1:62:A:ARG:HD3	10	0.65	0.43	0.51
(3,1758)	1:14:A:ALA:HB2	1:62:A:ARG:HD2	10	0.65	0.43	0.51
(3,1758)	1:14:A:ALA:HB2	1:62:A:ARG:HD3	10	0.65	0.43	0.51
(3,1758)	1:14:A:ALA:HB3	1:62:A:ARG:HD2	10	0.65	0.43	0.51
(3,1758)	1:14:A:ALA:HB3	1:62:A:ARG:HD3	10	0.65	0.43	0.51
(3,409)	1:109:A:PHE:HD1	1:132:A:TYR:H	10	0.56	0.33	0.64
(3,409)	1:109:A:PHE:HD2	1:132:A:TYR:H	10	0.56	0.33	0.64
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD11	10	0.44	0.29	0.3
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD12	10	0.44	0.29	0.3
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD13	10	0.44	0.29	0.3
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD11	10	0.44	0.29	0.3
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD12	10	0.44	0.29	0.3
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD13	10	0.44	0.29	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD11	10	0.44	0.29	0.3
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD12	10	0.44	0.29	0.3
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD13	10	0.44	0.29	0.3
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD21	10	0.41	0.14	0.44
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD22	10	0.41	0.14	0.44
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD23	10	0.41	0.14	0.44
(3,257)	1:59:A:ILE:HG21	1:65:A:ILE:H	10	0.38	0.15	0.4
(3,257)	1:59:A:ILE:HG22	1:65:A:ILE:H	10	0.38	0.15	0.4
(3,257)	1:59:A:ILE:HG23	1:65:A:ILE:H	10	0.38	0.15	0.4
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG21	10	0.37	0.2	0.35
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG22	10	0.37	0.2	0.35
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG23	10	0.37	0.2	0.35
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG21	10	0.37	0.2	0.35
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG22	10	0.37	0.2	0.35
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG23	10	0.37	0.2	0.35
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG11	10	0.36	0.18	0.32
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG12	10	0.36	0.18	0.32
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG13	10	0.36	0.18	0.32
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD11	10	0.35	0.15	0.32
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD12	10	0.35	0.15	0.32
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD13	10	0.35	0.15	0.32
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD11	10	0.35	0.15	0.32
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD12	10	0.35	0.15	0.32
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD13	10	0.35	0.15	0.32
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD11	10	0.35	0.15	0.32
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD12	10	0.35	0.15	0.32
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD13	10	0.35	0.15	0.32
(3,214)	1:109:A:PHE:H	1:134:A:THR:HB	10	0.31	0.13	0.28
(3,385)	1:75:A:ILE:HG21	1:80:A:LYS:H	10	0.3	0.2	0.24
(3,385)	1:75:A:ILE:HG22	1:80:A:LYS:H	10	0.3	0.2	0.24
(3,385)	1:75:A:ILE:HG23	1:80:A:LYS:H	10	0.3	0.2	0.24
(4,15)	1:109:A:PHE:N	1:132:A:TYR:O	10	0.3	0.16	0.24
(3,901)	1:104:A:VAL:HG11	1:128:A:VAL:H	10	0.21	0.06	0.18
(3,901)	1:104:A:VAL:HG12	1:128:A:VAL:H	10	0.21	0.06	0.18
(3,901)	1:104:A:VAL:HG13	1:128:A:VAL:H	10	0.21	0.06	0.18
(3,901)	1:104:A:VAL:HG21	1:128:A:VAL:H	10	0.21	0.06	0.18
(3,901)	1:104:A:VAL:HG22	1:128:A:VAL:H	10	0.21	0.06	0.18
(3,901)	1:104:A:VAL:HG23	1:128:A:VAL:H	10	0.21	0.06	0.18
(3,2034)	1:85:A:ALA:H	1:87:A:LYS:HB2	10	0.21	0.08	0.18
(3,2034)	1:85:A:ALA:H	1:87:A:LYS:HB3	10	0.21	0.08	0.18
(3,988)	1:56:A:ALA:HA	1:58:A:THR:H	10	0.19	0.06	0.2
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD21	10	0.12	0.02	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD22	10	0.12	0.02	0.12
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD23	10	0.12	0.02	0.12
(3,146)	1:150:A:LEU:HD11	1:152:A:LEU:H	9	1.26	0.25	1.24
(3,146)	1:150:A:LEU:HD12	1:152:A:LEU:H	9	1.26	0.25	1.24
(3,146)	1:150:A:LEU:HD13	1:152:A:LEU:H	9	1.26	0.25	1.24
(3,2216)	1:150:A:LEU:HD11	1:153:A:PRO:HD2	9	1.13	0.25	1.11
(3,2216)	1:150:A:LEU:HD11	1:153:A:PRO:HD3	9	1.13	0.25	1.11
(3,2216)	1:150:A:LEU:HD12	1:153:A:PRO:HD2	9	1.13	0.25	1.11
(3,2216)	1:150:A:LEU:HD12	1:153:A:PRO:HD3	9	1.13	0.25	1.11
(3,2216)	1:150:A:LEU:HD13	1:153:A:PRO:HD2	9	1.13	0.25	1.11
(3,2216)	1:150:A:LEU:HD13	1:153:A:PRO:HD3	9	1.13	0.25	1.11
(3,1997)	1:73:A:VAL:HG21	1:96:A:PHE:HB2	9	0.8	0.27	0.83
(3,1997)	1:73:A:VAL:HG21	1:96:A:PHE:HB3	9	0.8	0.27	0.83
(3,1997)	1:73:A:VAL:HG22	1:96:A:PHE:HB2	9	0.8	0.27	0.83
(3,1997)	1:73:A:VAL:HG22	1:96:A:PHE:HB3	9	0.8	0.27	0.83
(3,1997)	1:73:A:VAL:HG23	1:96:A:PHE:HB2	9	0.8	0.27	0.83
(3,1997)	1:73:A:VAL:HG23	1:96:A:PHE:HB3	9	0.8	0.27	0.83
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD11	9	0.76	0.49	0.53
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD12	9	0.76	0.49	0.53
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD13	9	0.76	0.49	0.53
(3,1924)	1:56:A:ALA:HA	1:133:A:GLN:HE21	9	0.73	0.48	0.65
(3,1924)	1:56:A:ALA:HA	1:133:A:GLN:HE22	9	0.73	0.48	0.65
(3,848)	1:92:A:LYS:H	1:139:A:PHE:HE1	9	0.54	0.3	0.49
(3,848)	1:92:A:LYS:H	1:139:A:PHE:HE2	9	0.54	0.3	0.49
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD11	9	0.52	0.27	0.56
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD12	9	0.52	0.27	0.56
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD13	9	0.52	0.27	0.56
(3,1252)	1:150:A:LEU:HD11	1:153:A:PRO:HD2	9	0.51	0.25	0.49
(3,1252)	1:150:A:LEU:HD12	1:153:A:PRO:HD2	9	0.51	0.25	0.49
(3,1252)	1:150:A:LEU:HD13	1:153:A:PRO:HD2	9	0.51	0.25	0.49
(3,1252)	1:150:A:LEU:HD11	1:153:A:PRO:HD3	9	0.51	0.25	0.49
(3,1252)	1:150:A:LEU:HD12	1:153:A:PRO:HD3	9	0.51	0.25	0.49
(3,1252)	1:150:A:LEU:HD13	1:153:A:PRO:HD3	9	0.51	0.25	0.49
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG21	9	0.46	0.25	0.61
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG22	9	0.46	0.25	0.61
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG23	9	0.46	0.25	0.61
(3,1004)	1:109:A:PHE:H	1:133:A:GLN:H	9	0.42	0.21	0.32
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG21	9	0.39	0.15	0.43
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG22	9	0.39	0.15	0.43
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG23	9	0.39	0.15	0.43
(3,1391)	1:106:A:ARG:HA	1:130:A:GLU:HG2	9	0.38	0.17	0.43
(3,1391)	1:106:A:ARG:HA	1:130:A:GLU:HG3	9	0.38	0.17	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,978)	1:32:A:ARG:H	1:34:A:ARG:HB2	9	0.35	0.13	0.36
(3,978)	1:32:A:ARG:H	1:34:A:ARG:HB3	9	0.35	0.13	0.36
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD21	9	0.33	0.2	0.27
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD22	9	0.33	0.2	0.27
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD23	9	0.33	0.2	0.27
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD21	9	0.3	0.15	0.28
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD22	9	0.3	0.15	0.28
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD23	9	0.3	0.15	0.28
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD21	9	0.3	0.15	0.28
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD22	9	0.3	0.15	0.28
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD23	9	0.3	0.15	0.28
(3,1315)	1:59:A:ILE:HG21	1:65:A:ILE:HA	9	0.25	0.09	0.24
(3,1315)	1:59:A:ILE:HG22	1:65:A:ILE:HA	9	0.25	0.09	0.24
(3,1315)	1:59:A:ILE:HG23	1:65:A:ILE:HA	9	0.25	0.09	0.24
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD11	9	0.24	0.1	0.2
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD12	9	0.24	0.1	0.2
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD13	9	0.24	0.1	0.2
(3,577)	1:44:A:LEU:HB2	1:50:A:LEU:H	9	0.24	0.13	0.17
(3,682)	1:150:A:LEU:HD21	1:151:A:GLY:H	9	0.24	0.07	0.2
(3,682)	1:150:A:LEU:HD22	1:151:A:GLY:H	9	0.24	0.07	0.2
(3,682)	1:150:A:LEU:HD23	1:151:A:GLY:H	9	0.24	0.07	0.2
(3,638)	1:84:A:PRO:HB3	1:86:A:GLU:H	9	0.21	0.08	0.17
(3,712)	1:4:A:LEU:HD11	1:8:A:ASP:H	9	0.2	0.09	0.14
(3,712)	1:4:A:LEU:HD12	1:8:A:ASP:H	9	0.2	0.09	0.14
(3,712)	1:4:A:LEU:HD13	1:8:A:ASP:H	9	0.2	0.09	0.14
(3,1803)	1:29:A:ALA:H	1:30:A:LEU:HB2	9	0.19	0.05	0.18
(3,1803)	1:29:A:ALA:H	1:30:A:LEU:HB3	9	0.19	0.05	0.18
(3,553)	1:77:A:PRO:HB3	1:78:A:LYS:H	9	0.18	0.07	0.17
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG21	9	0.16	0.06	0.15
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG22	9	0.16	0.06	0.15
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG23	9	0.16	0.06	0.15
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG21	9	0.16	0.06	0.15
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG22	9	0.16	0.06	0.15
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG23	9	0.16	0.06	0.15
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG21	9	0.16	0.06	0.15
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG22	9	0.16	0.06	0.15
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG23	9	0.16	0.06	0.15
(3,205)	1:105:A:VAL:HG11	1:127:A:LEU:H	8	0.8	0.34	0.92
(3,205)	1:105:A:VAL:HG12	1:127:A:LEU:H	8	0.8	0.34	0.92
(3,205)	1:105:A:VAL:HG13	1:127:A:LEU:H	8	0.8	0.34	0.92
(3,2111)	1:110:A:LEU:HB2	1:111:A:ASN:HD21	8	0.75	0.5	0.6
(3,2111)	1:110:A:LEU:HB2	1:111:A:ASN:HD22	8	0.75	0.5	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,2111)	1:110:A:LEU:HB3	1:111:A:ASN:HD21	8	0.75	0.5	0.6
(3,2111)	1:110:A:LEU:HB3	1:111:A:ASN:HD22	8	0.75	0.5	0.6
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD21	8	0.57	0.23	0.64
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD22	8	0.57	0.23	0.64
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD23	8	0.57	0.23	0.64
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG21	8	0.55	0.23	0.56
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG22	8	0.55	0.23	0.56
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG23	8	0.55	0.23	0.56
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG21	8	0.55	0.23	0.56
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG22	8	0.55	0.23	0.56
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG23	8	0.55	0.23	0.56
(3,395)	1:25:A:GLU:HB2	1:26:A:LEU:H	8	0.48	0.12	0.53
(3,1116)	1:41:A:ALA:HB1	1:55:A:ILE:HG12	8	0.45	0.32	0.36
(3,1116)	1:41:A:ALA:HB1	1:55:A:ILE:HG13	8	0.45	0.32	0.36
(3,1116)	1:41:A:ALA:HB2	1:55:A:ILE:HG12	8	0.45	0.32	0.36
(3,1116)	1:41:A:ALA:HB2	1:55:A:ILE:HG13	8	0.45	0.32	0.36
(3,1116)	1:41:A:ALA:HB3	1:55:A:ILE:HG12	8	0.45	0.32	0.36
(3,1116)	1:41:A:ALA:HB3	1:55:A:ILE:HG13	8	0.45	0.32	0.36
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG21	8	0.43	0.35	0.3
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG22	8	0.43	0.35	0.3
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG23	8	0.43	0.35	0.3
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD11	8	0.41	0.24	0.33
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD12	8	0.41	0.24	0.33
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD13	8	0.41	0.24	0.33
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD11	8	0.41	0.24	0.33
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD12	8	0.41	0.24	0.33
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD13	8	0.41	0.24	0.33
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD11	8	0.41	0.24	0.33
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD12	8	0.41	0.24	0.33
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD13	8	0.41	0.24	0.33
(3,660)	1:32:A:ARG:HA	1:36:A:VAL:H	8	0.4	0.18	0.36
(3,503)	1:80:A:LYS:HD2	1:81:A:ALA:H	8	0.38	0.23	0.32
(3,503)	1:80:A:LYS:HD3	1:81:A:ALA:H	8	0.38	0.23	0.32
(3,2035)	1:85:A:ALA:HB1	1:147:A:TYR:HB2	8	0.32	0.18	0.26
(3,2035)	1:85:A:ALA:HB1	1:147:A:TYR:HB3	8	0.32	0.18	0.26
(3,2035)	1:85:A:ALA:HB2	1:147:A:TYR:HB2	8	0.32	0.18	0.26
(3,2035)	1:85:A:ALA:HB2	1:147:A:TYR:HB3	8	0.32	0.18	0.26
(3,2035)	1:85:A:ALA:HB3	1:147:A:TYR:HB2	8	0.32	0.18	0.26
(3,2035)	1:85:A:ALA:HB3	1:147:A:TYR:HB3	8	0.32	0.18	0.26
(3,268)	1:119:A:GLU:HB2	1:120:A:GLU:H	8	0.32	0.04	0.32
(3,268)	1:119:A:GLU:HB3	1:120:A:GLU:H	8	0.32	0.04	0.32
(3,78)	1:11:A:LEU:HD21	1:40:A:LEU:H	8	0.31	0.12	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,78)	1:11:A:LEU:HD22	1:40:A:LEU:H	8	0.31	0.12	0.3
(3,78)	1:11:A:LEU:HD23	1:40:A:LEU:H	8	0.31	0.12	0.3
(3,2066)	1:93:A:ALA:H	1:94:A:ILE:HG12	8	0.31	0.13	0.28
(3,2066)	1:93:A:ALA:H	1:94:A:ILE:HG13	8	0.31	0.13	0.28
(3,1990)	1:70:A:LEU:HB2	1:134:A:THR:HA	8	0.3	0.14	0.26
(3,1990)	1:70:A:LEU:HB3	1:134:A:THR:HA	8	0.3	0.14	0.26
(3,500)	1:85:A:ALA:HB1	1:147:A:TYR:H	8	0.29	0.12	0.27
(3,500)	1:85:A:ALA:HB2	1:147:A:TYR:H	8	0.29	0.12	0.27
(3,500)	1:85:A:ALA:HB3	1:147:A:TYR:H	8	0.29	0.12	0.27
(3,1054)	1:31:A:GLU:HA	1:34:A:ARG:H	8	0.29	0.16	0.29
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD11	8	0.29	0.11	0.3
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD12	8	0.29	0.11	0.3
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD13	8	0.29	0.11	0.3
(3,1871)	1:44:A:LEU:HB2	1:49:A:LEU:H	8	0.28	0.08	0.3
(3,1871)	1:44:A:LEU:HB3	1:49:A:LEU:H	8	0.28	0.08	0.3
(3,1917)	1:53:A:ARG:HA	1:53:A:ARG:HD2	8	0.27	0.11	0.26
(3,1917)	1:53:A:ARG:HA	1:53:A:ARG:HD3	8	0.27	0.11	0.26
(3,143)	1:55:A:ILE:HG21	1:59:A:ILE:H	8	0.26	0.1	0.25
(3,143)	1:55:A:ILE:HG22	1:59:A:ILE:H	8	0.26	0.1	0.25
(3,143)	1:55:A:ILE:HG23	1:59:A:ILE:H	8	0.26	0.1	0.25
(3,967)	1:16:A:LEU:HD11	1:17:A:ASP:H	8	0.25	0.14	0.2
(3,967)	1:16:A:LEU:HD12	1:17:A:ASP:H	8	0.25	0.14	0.2
(3,967)	1:16:A:LEU:HD13	1:17:A:ASP:H	8	0.25	0.14	0.2
(3,665)	1:59:A:ILE:HG21	1:64:A:GLY:H	8	0.24	0.09	0.22
(3,665)	1:59:A:ILE:HG22	1:64:A:GLY:H	8	0.24	0.09	0.22
(3,665)	1:59:A:ILE:HG23	1:64:A:GLY:H	8	0.24	0.09	0.22
(3,191)	1:56:A:ALA:H	1:59:A:ILE:HB	8	0.24	0.1	0.21
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG21	8	0.24	0.1	0.2
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG22	8	0.24	0.1	0.2
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG23	8	0.24	0.1	0.2
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD11	8	0.22	0.14	0.13
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD12	8	0.22	0.14	0.13
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD13	8	0.22	0.14	0.13
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD11	8	0.21	0.13	0.15
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD12	8	0.21	0.13	0.15
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD13	8	0.21	0.13	0.15
(3,1156)	1:11:A:LEU:HD11	1:12:A:GLY:HA3	8	0.2	0.07	0.17
(3,1156)	1:11:A:LEU:HD12	1:12:A:GLY:HA3	8	0.2	0.07	0.17
(3,1156)	1:11:A:LEU:HD13	1:12:A:GLY:HA3	8	0.2	0.07	0.17
(3,502)	1:81:A:ALA:H	1:82:A:LEU:HG	8	0.18	0.08	0.14
(3,1846)	1:36:A:VAL:HG21	1:37:A:GLY:HA2	8	0.17	0.07	0.14
(3,1846)	1:36:A:VAL:HG21	1:37:A:GLY:HA3	8	0.17	0.07	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1846)	1:36:A:VAL:HG22	1:37:A:GLY:HA2	8	0.17	0.07	0.14
(3,1846)	1:36:A:VAL:HG22	1:37:A:GLY:HA3	8	0.17	0.07	0.14
(3,1846)	1:36:A:VAL:HG23	1:37:A:GLY:HA2	8	0.17	0.07	0.14
(3,1846)	1:36:A:VAL:HG23	1:37:A:GLY:HA3	8	0.17	0.07	0.14
(3,2080)	1:98:A:LEU:HB2	1:99:A:ASP:H	8	0.11	0.01	0.11
(3,2080)	1:98:A:LEU:HB3	1:99:A:ASP:H	8	0.11	0.01	0.11
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG11	8	0.11	0.0	0.11
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG12	8	0.11	0.0	0.11
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG13	8	0.11	0.0	0.11
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG11	8	0.11	0.0	0.11
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG12	8	0.11	0.0	0.11
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG13	8	0.11	0.0	0.11
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG11	8	0.11	0.0	0.11
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG12	8	0.11	0.0	0.11
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG13	8	0.11	0.0	0.11
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB1	8	0.11	0.0	0.11
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB2	8	0.11	0.0	0.11
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB3	8	0.11	0.0	0.11
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB1	8	0.11	0.0	0.11
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB2	8	0.11	0.0	0.11
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB3	8	0.11	0.0	0.11
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB1	8	0.11	0.0	0.11
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB2	8	0.11	0.0	0.11
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB3	8	0.11	0.0	0.11
(3,933)	1:91:A:LEU:HD11	1:120:A:GLU:H	7	1.01	0.17	1.01
(3,933)	1:91:A:LEU:HD12	1:120:A:GLU:H	7	1.01	0.17	1.01
(3,933)	1:91:A:LEU:HD13	1:120:A:GLU:H	7	1.01	0.17	1.01
(3,673)	1:59:A:ILE:HG21	1:133:A:GLN:HE22	7	0.69	0.39	0.74
(3,673)	1:59:A:ILE:HG22	1:133:A:GLN:HE22	7	0.69	0.39	0.74
(3,673)	1:59:A:ILE:HG23	1:133:A:GLN:HE22	7	0.69	0.39	0.74
(3,23)	1:122:A:GLU:HB2	1:129:A:VAL:H	7	0.59	0.27	0.61
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD11	7	0.51	0.15	0.5
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD12	7	0.51	0.15	0.5
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD13	7	0.51	0.15	0.5
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD11	7	0.51	0.15	0.5
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD12	7	0.51	0.15	0.5
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD13	7	0.51	0.15	0.5
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD11	7	0.51	0.15	0.5
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD12	7	0.51	0.15	0.5
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD13	7	0.51	0.15	0.5
(3,853)	1:93:A:ALA:H	1:139:A:PHE:HD1	7	0.5	0.24	0.5
(3,853)	1:93:A:ALA:H	1:139:A:PHE:HD2	7	0.5	0.24	0.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,37)	1:105:A:VAL:H	1:129:A:VAL:HB	7	0.48	0.13	0.53
(2,1)	1:109:A:PHE:H	1:134:A:THR:HB	7	0.47	0.22	0.52
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD21	7	0.47	0.26	0.54
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD22	7	0.47	0.26	0.54
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD23	7	0.47	0.26	0.54
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD21	7	0.47	0.26	0.54
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD22	7	0.47	0.26	0.54
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD23	7	0.47	0.26	0.54
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD21	7	0.47	0.26	0.54
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD22	7	0.47	0.26	0.54
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD23	7	0.47	0.26	0.54
(3,1914)	1:51:A:SER:HB2	1:53:A:ARG:HA	7	0.39	0.3	0.31
(3,1914)	1:51:A:SER:HB3	1:53:A:ARG:HA	7	0.39	0.3	0.31
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG21	7	0.37	0.15	0.33
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG22	7	0.37	0.15	0.33
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG23	7	0.37	0.15	0.33
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG21	7	0.37	0.25	0.26
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG22	7	0.37	0.25	0.26
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG23	7	0.37	0.25	0.26
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG21	7	0.37	0.25	0.26
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG22	7	0.37	0.25	0.26
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG23	7	0.37	0.25	0.26
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG21	7	0.37	0.25	0.26
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG22	7	0.37	0.25	0.26
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG23	7	0.37	0.25	0.26
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD21	7	0.34	0.16	0.33
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD22	7	0.34	0.16	0.33
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD23	7	0.34	0.16	0.33
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD21	7	0.34	0.16	0.33
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD22	7	0.34	0.16	0.33
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD23	7	0.34	0.16	0.33
(3,973)	1:30:A:LEU:H	1:33:A:HIS:H	7	0.32	0.17	0.29
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD11	7	0.32	0.21	0.27
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD12	7	0.32	0.21	0.27
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD13	7	0.32	0.21	0.27
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD11	7	0.32	0.21	0.27
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD12	7	0.32	0.21	0.27
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD13	7	0.32	0.21	0.27
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD11	7	0.32	0.21	0.27
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD12	7	0.32	0.21	0.27
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD13	7	0.32	0.21	0.27
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD11	7	0.3	0.11	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD12	7	0.3	0.11	0.26
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD13	7	0.3	0.11	0.26
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD11	7	0.3	0.11	0.26
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD12	7	0.3	0.11	0.26
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD13	7	0.3	0.11	0.26
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD11	7	0.3	0.11	0.26
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD12	7	0.3	0.11	0.26
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD13	7	0.3	0.11	0.26
(3,518)	1:94:A:ILE:H	1:94:A:ILE:HG12	7	0.28	0.06	0.27
(3,1874)	1:44:A:LEU:HB2	1:51:A:SER:H	7	0.28	0.18	0.29
(3,1874)	1:44:A:LEU:HB3	1:51:A:SER:H	7	0.28	0.18	0.29
(3,1880)	1:45:A:VAL:HA	1:51:A:SER:HB2	7	0.26	0.2	0.2
(3,1880)	1:45:A:VAL:HA	1:51:A:SER:HB3	7	0.26	0.2	0.2
(3,745)	1:51:A:SER:H	1:54:A:ARG:H	7	0.26	0.11	0.26
(4,1)	1:103:A:GLY:O	1:128:A:VAL:N	7	0.25	0.13	0.18
(3,1454)	1:67:A:LEU:HD11	1:133:A:GLN:HG2	7	0.22	0.13	0.17
(3,1454)	1:67:A:LEU:HD11	1:133:A:GLN:HG3	7	0.22	0.13	0.17
(3,1454)	1:67:A:LEU:HD12	1:133:A:GLN:HG2	7	0.22	0.13	0.17
(3,1454)	1:67:A:LEU:HD12	1:133:A:GLN:HG3	7	0.22	0.13	0.17
(3,1454)	1:67:A:LEU:HD13	1:133:A:GLN:HG2	7	0.22	0.13	0.17
(3,1454)	1:67:A:LEU:HD13	1:133:A:GLN:HG3	7	0.22	0.13	0.17
(3,756)	1:27:A:GLN:HB2	1:29:A:ALA:H	7	0.2	0.07	0.17
(3,756)	1:27:A:GLN:HB3	1:29:A:ALA:H	7	0.2	0.07	0.17
(3,536)	1:39:A:SER:HA	1:42:A:GLU:H	7	0.2	0.08	0.17
(3,1005)	1:106:A:ARG:HA	1:132:A:TYR:H	7	0.19	0.05	0.2
(3,719)	1:10:A:ARG:HA	1:12:A:GLY:H	7	0.19	0.11	0.13
(3,759)	1:27:A:GLN:H	1:29:A:ALA:H	7	0.19	0.1	0.15
(3,2007)	1:77:A:PRO:HB2	1:78:A:LYS:H	7	0.18	0.06	0.17
(3,2007)	1:77:A:PRO:HB3	1:78:A:LYS:H	7	0.18	0.06	0.17
(4,18)	1:94:A:ILE:H	1:108:A:ALA:O	7	0.18	0.05	0.18
(3,167)	1:55:A:ILE:H	1:55:A:ILE:HG12	7	0.16	0.04	0.15
(3,167)	1:55:A:ILE:H	1:55:A:ILE:HG13	7	0.16	0.04	0.15
(4,4)	1:105:A:VAL:H	1:128:A:VAL:O	7	0.15	0.03	0.15
(3,1644)	1:113:A:LEU:HD21	1:114:A:ASP:H	7	0.13	0.02	0.13
(3,1644)	1:113:A:LEU:HD22	1:114:A:ASP:H	7	0.13	0.02	0.13
(3,1644)	1:113:A:LEU:HD23	1:114:A:ASP:H	7	0.13	0.02	0.13
(3,1419)	1:123:A:ASP:HB2	1:124:A:LEU:H	7	0.11	0.01	0.11
(3,1615)	1:105:A:VAL:HG11	1:127:A:LEU:HG	6	1.17	0.23	1.07
(3,1615)	1:105:A:VAL:HG12	1:127:A:LEU:HG	6	1.17	0.23	1.07
(3,1615)	1:105:A:VAL:HG13	1:127:A:LEU:HG	6	1.17	0.23	1.07
(3,670)	1:59:A:ILE:HB	1:133:A:GLN:HE22	6	1.15	0.56	1.2
(3,1940)	1:59:A:ILE:H	1:133:A:GLN:HE21	6	0.83	0.31	0.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1940)	1:59:A:ILE:H	1:133:A:GLN:HE22	6	0.83	0.31	0.86
(3,1567)	1:70:A:LEU:HD11	1:134:A:THR:HB	6	0.74	0.31	0.68
(3,1567)	1:70:A:LEU:HD12	1:134:A:THR:HB	6	0.74	0.31	0.68
(3,1567)	1:70:A:LEU:HD13	1:134:A:THR:HB	6	0.74	0.31	0.68
(3,1539)	1:45:A:VAL:HG11	1:52:A:GLU:HG2	6	0.66	0.26	0.62
(3,1539)	1:45:A:VAL:HG11	1:52:A:GLU:HG3	6	0.66	0.26	0.62
(3,1539)	1:45:A:VAL:HG12	1:52:A:GLU:HG2	6	0.66	0.26	0.62
(3,1539)	1:45:A:VAL:HG12	1:52:A:GLU:HG3	6	0.66	0.26	0.62
(3,1539)	1:45:A:VAL:HG13	1:52:A:GLU:HG2	6	0.66	0.26	0.62
(3,1539)	1:45:A:VAL:HG13	1:52:A:GLU:HG3	6	0.66	0.26	0.62
(3,781)	1:41:A:ALA:H	1:55:A:ILE:HG12	6	0.51	0.33	0.38
(3,781)	1:41:A:ALA:H	1:55:A:ILE:HG13	6	0.51	0.33	0.38
(3,1950)	1:60:A:GLU:H	1:133:A:GLN:HE21	6	0.49	0.18	0.48
(3,1950)	1:60:A:GLU:H	1:133:A:GLN:HE22	6	0.49	0.18	0.48
(3,96)	1:107:A:VAL:H	1:132:A:TYR:HE1	6	0.47	0.18	0.52
(3,96)	1:107:A:VAL:H	1:132:A:TYR:HE2	6	0.47	0.18	0.52
(3,2097)	1:105:A:VAL:H	1:127:A:LEU:HB2	6	0.43	0.1	0.44
(3,2097)	1:105:A:VAL:H	1:127:A:LEU:HB3	6	0.43	0.1	0.44
(3,264)	1:134:A:THR:HG21	1:139:A:PHE:H	6	0.42	0.26	0.3
(3,264)	1:134:A:THR:HG22	1:139:A:PHE:H	6	0.42	0.26	0.3
(3,264)	1:134:A:THR:HG23	1:139:A:PHE:H	6	0.42	0.26	0.3
(3,410)	1:109:A:PHE:HE1	1:132:A:TYR:H	6	0.41	0.18	0.4
(3,410)	1:109:A:PHE:HE2	1:132:A:TYR:H	6	0.41	0.18	0.4
(3,1672)	1:105:A:VAL:HG21	1:129:A:VAL:HG11	6	0.4	0.05	0.4
(3,1672)	1:105:A:VAL:HG21	1:129:A:VAL:HG12	6	0.4	0.05	0.4
(3,1672)	1:105:A:VAL:HG21	1:129:A:VAL:HG13	6	0.4	0.05	0.4
(3,1672)	1:105:A:VAL:HG22	1:129:A:VAL:HG11	6	0.4	0.05	0.4
(3,1672)	1:105:A:VAL:HG22	1:129:A:VAL:HG12	6	0.4	0.05	0.4
(3,1672)	1:105:A:VAL:HG22	1:129:A:VAL:HG13	6	0.4	0.05	0.4
(3,1672)	1:105:A:VAL:HG23	1:129:A:VAL:HG11	6	0.4	0.05	0.4
(3,1672)	1:105:A:VAL:HG23	1:129:A:VAL:HG12	6	0.4	0.05	0.4
(3,1672)	1:105:A:VAL:HG23	1:129:A:VAL:HG13	6	0.4	0.05	0.4
(3,2056)	1:91:A:LEU:HD11	1:120:A:GLU:HB2	6	0.38	0.19	0.34
(3,2056)	1:91:A:LEU:HD11	1:120:A:GLU:HB3	6	0.38	0.19	0.34
(3,2056)	1:91:A:LEU:HD12	1:120:A:GLU:HB2	6	0.38	0.19	0.34
(3,2056)	1:91:A:LEU:HD12	1:120:A:GLU:HB3	6	0.38	0.19	0.34
(3,2056)	1:91:A:LEU:HD13	1:120:A:GLU:HB2	6	0.38	0.19	0.34
(3,2056)	1:91:A:LEU:HD13	1:120:A:GLU:HB3	6	0.38	0.19	0.34
(3,116)	1:68:A:VAL:H	1:108:A:ALA:HB1	6	0.36	0.14	0.32
(3,116)	1:68:A:VAL:H	1:108:A:ALA:HB2	6	0.36	0.14	0.32
(3,116)	1:68:A:VAL:H	1:108:A:ALA:HB3	6	0.36	0.14	0.32
(3,1448)	1:109:A:PHE:HD1	1:133:A:GLN:HA	6	0.35	0.16	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1448)	1:109:A:PHE:HD2	1:133:A:GLN:HA	6	0.35	0.16	0.28
(3,302)	1:33:A:HIS:H	1:43:A:VAL:HG21	6	0.34	0.18	0.27
(3,302)	1:33:A:HIS:H	1:43:A:VAL:HG22	6	0.34	0.18	0.27
(3,302)	1:33:A:HIS:H	1:43:A:VAL:HG23	6	0.34	0.18	0.27
(3,2149)	1:120:A:GLU:HG2	1:123:A:ASP:HB2	6	0.34	0.15	0.32
(3,2149)	1:120:A:GLU:HG2	1:123:A:ASP:HB3	6	0.34	0.15	0.32
(3,2149)	1:120:A:GLU:HG3	1:123:A:ASP:HB2	6	0.34	0.15	0.32
(3,2149)	1:120:A:GLU:HG3	1:123:A:ASP:HB3	6	0.34	0.15	0.32
(3,497)	1:143:A:LEU:HA	1:147:A:TYR:H	6	0.33	0.22	0.26
(3,1907)	1:50:A:LEU:HB2	1:55:A:ILE:HB	6	0.32	0.14	0.27
(3,1907)	1:50:A:LEU:HB3	1:55:A:ILE:HB	6	0.32	0.14	0.27
(3,1658)	1:93:A:ALA:HB1	1:121:A:VAL:HG11	6	0.32	0.22	0.24
(3,1658)	1:93:A:ALA:HB1	1:121:A:VAL:HG12	6	0.32	0.22	0.24
(3,1658)	1:93:A:ALA:HB1	1:121:A:VAL:HG13	6	0.32	0.22	0.24
(3,1658)	1:93:A:ALA:HB2	1:121:A:VAL:HG11	6	0.32	0.22	0.24
(3,1658)	1:93:A:ALA:HB2	1:121:A:VAL:HG12	6	0.32	0.22	0.24
(3,1658)	1:93:A:ALA:HB2	1:121:A:VAL:HG13	6	0.32	0.22	0.24
(3,1658)	1:93:A:ALA:HB3	1:121:A:VAL:HG11	6	0.32	0.22	0.24
(3,1658)	1:93:A:ALA:HB3	1:121:A:VAL:HG12	6	0.32	0.22	0.24
(3,1658)	1:93:A:ALA:HB3	1:121:A:VAL:HG13	6	0.32	0.22	0.24
(3,1537)	1:44:A:LEU:HD21	1:55:A:ILE:HG12	6	0.3	0.11	0.25
(3,1537)	1:44:A:LEU:HD21	1:55:A:ILE:HG13	6	0.3	0.11	0.25
(3,1537)	1:44:A:LEU:HD22	1:55:A:ILE:HG12	6	0.3	0.11	0.25
(3,1537)	1:44:A:LEU:HD22	1:55:A:ILE:HG13	6	0.3	0.11	0.25
(3,1537)	1:44:A:LEU:HD23	1:55:A:ILE:HG12	6	0.3	0.11	0.25
(3,1537)	1:44:A:LEU:HD23	1:55:A:ILE:HG13	6	0.3	0.11	0.25
(3,451)	1:15:A:LEU:H	1:15:A:LEU:HD21	6	0.27	0.1	0.25
(3,451)	1:15:A:LEU:H	1:15:A:LEU:HD22	6	0.27	0.1	0.25
(3,451)	1:15:A:LEU:H	1:15:A:LEU:HD23	6	0.27	0.1	0.25
(3,799)	1:24:A:GLU:H	1:27:A:GLN:HB2	6	0.26	0.14	0.2
(3,799)	1:24:A:GLU:H	1:27:A:GLN:HB3	6	0.26	0.14	0.2
(3,1042)	1:18:A:ALA:HB1	1:20:A:LEU:HD21	6	0.25	0.07	0.24
(3,1042)	1:18:A:ALA:HB1	1:20:A:LEU:HD22	6	0.25	0.07	0.24
(3,1042)	1:18:A:ALA:HB1	1:20:A:LEU:HD23	6	0.25	0.07	0.24
(3,1042)	1:18:A:ALA:HB2	1:20:A:LEU:HD21	6	0.25	0.07	0.24
(3,1042)	1:18:A:ALA:HB2	1:20:A:LEU:HD22	6	0.25	0.07	0.24
(3,1042)	1:18:A:ALA:HB2	1:20:A:LEU:HD23	6	0.25	0.07	0.24
(3,1042)	1:18:A:ALA:HB3	1:20:A:LEU:HD21	6	0.25	0.07	0.24
(3,1042)	1:18:A:ALA:HB3	1:20:A:LEU:HD22	6	0.25	0.07	0.24
(3,1042)	1:18:A:ALA:HB3	1:20:A:LEU:HD23	6	0.25	0.07	0.24
(3,273)	1:150:A:LEU:H	1:150:A:LEU:HD11	6	0.25	0.05	0.24
(3,273)	1:150:A:LEU:H	1:150:A:LEU:HD12	6	0.25	0.05	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,273)	1:150:A:LEU:H	1:150:A:LEU:HD13	6	0.25	0.05	0.24
(3,1520)	1:40:A:LEU:HD11	1:43:A:VAL:HB	6	0.24	0.12	0.2
(3,1520)	1:40:A:LEU:HD12	1:43:A:VAL:HB	6	0.24	0.12	0.2
(3,1520)	1:40:A:LEU:HD13	1:43:A:VAL:HB	6	0.24	0.12	0.2
(3,1562)	1:68:A:VAL:HG21	1:132:A:TYR:HE1	6	0.23	0.1	0.24
(3,1562)	1:68:A:VAL:HG21	1:132:A:TYR:HE2	6	0.23	0.1	0.24
(3,1562)	1:68:A:VAL:HG22	1:132:A:TYR:HE1	6	0.23	0.1	0.24
(3,1562)	1:68:A:VAL:HG22	1:132:A:TYR:HE2	6	0.23	0.1	0.24
(3,1562)	1:68:A:VAL:HG23	1:132:A:TYR:HE1	6	0.23	0.1	0.24
(3,1562)	1:68:A:VAL:HG23	1:132:A:TYR:HE2	6	0.23	0.1	0.24
(3,850)	1:92:A:LYS:HG2	1:93:A:ALA:H	6	0.21	0.13	0.14
(3,850)	1:92:A:LYS:HG3	1:93:A:ALA:H	6	0.21	0.13	0.14
(3,1254)	1:134:A:THR:HG21	1:138:A:ALA:HB1	6	0.2	0.08	0.18
(3,1254)	1:134:A:THR:HG21	1:138:A:ALA:HB2	6	0.2	0.08	0.18
(3,1254)	1:134:A:THR:HG21	1:138:A:ALA:HB3	6	0.2	0.08	0.18
(3,1254)	1:134:A:THR:HG22	1:138:A:ALA:HB1	6	0.2	0.08	0.18
(3,1254)	1:134:A:THR:HG22	1:138:A:ALA:HB2	6	0.2	0.08	0.18
(3,1254)	1:134:A:THR:HG22	1:138:A:ALA:HB3	6	0.2	0.08	0.18
(3,1254)	1:134:A:THR:HG23	1:138:A:ALA:HB1	6	0.2	0.08	0.18
(3,1254)	1:134:A:THR:HG23	1:138:A:ALA:HB2	6	0.2	0.08	0.18
(3,1254)	1:134:A:THR:HG23	1:138:A:ALA:HB3	6	0.2	0.08	0.18
(3,702)	1:124:A:LEU:HB3	1:125:A:THR:H	6	0.19	0.03	0.2
(3,1499)	1:150:A:LEU:HA	1:150:A:LEU:HD11	6	0.19	0.05	0.18
(3,1499)	1:150:A:LEU:HA	1:150:A:LEU:HD12	6	0.19	0.05	0.18
(3,1499)	1:150:A:LEU:HA	1:150:A:LEU:HD13	6	0.19	0.05	0.18
(3,753)	1:26:A:LEU:HD21	1:27:A:GLN:H	6	0.18	0.08	0.15
(3,753)	1:26:A:LEU:HD22	1:27:A:GLN:H	6	0.18	0.08	0.15
(3,753)	1:26:A:LEU:HD23	1:27:A:GLN:H	6	0.18	0.08	0.15
(3,363)	1:120:A:GLU:HB2	1:121:A:VAL:H	6	0.18	0.03	0.18
(3,108)	1:88:A:ALA:HB1	1:93:A:ALA:H	6	0.16	0.04	0.15
(3,108)	1:88:A:ALA:HB2	1:93:A:ALA:H	6	0.16	0.04	0.15
(3,108)	1:88:A:ALA:HB3	1:93:A:ALA:H	6	0.16	0.04	0.15
(3,193)	1:55:A:ILE:HG12	1:56:A:ALA:H	6	0.12	0.02	0.11
(3,193)	1:55:A:ILE:HG13	1:56:A:ALA:H	6	0.12	0.02	0.11
(3,818)	1:63:A:PHE:HD1	1:64:A:GLY:H	6	0.12	0.01	0.12
(3,818)	1:63:A:PHE:HD2	1:64:A:GLY:H	6	0.12	0.01	0.12
(3,140)	1:144:A:ALA:HA	1:152:A:LEU:H	5	0.83	0.55	0.79
(3,53)	1:83:A:LEU:HG	1:88:A:ALA:H	5	0.68	0.28	0.78
(3,1456)	1:70:A:LEU:HD21	1:94:A:ILE:HD11	5	0.68	0.25	0.78
(3,1456)	1:70:A:LEU:HD21	1:94:A:ILE:HD12	5	0.68	0.25	0.78
(3,1456)	1:70:A:LEU:HD21	1:94:A:ILE:HD13	5	0.68	0.25	0.78
(3,1456)	1:70:A:LEU:HD22	1:94:A:ILE:HD11	5	0.68	0.25	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1456)	1:70:A:LEU:HD22	1:94:A:ILE:HD12	5	0.68	0.25	0.78
(3,1456)	1:70:A:LEU:HD22	1:94:A:ILE:HD13	5	0.68	0.25	0.78
(3,1456)	1:70:A:LEU:HD23	1:94:A:ILE:HD11	5	0.68	0.25	0.78
(3,1456)	1:70:A:LEU:HD23	1:94:A:ILE:HD12	5	0.68	0.25	0.78
(3,1456)	1:70:A:LEU:HD23	1:94:A:ILE:HD13	5	0.68	0.25	0.78
(3,1853)	1:39:A:SER:HA	1:111:A:ASN:HD21	5	0.67	0.51	0.56
(3,1853)	1:39:A:SER:HA	1:111:A:ASN:HD22	5	0.67	0.51	0.56
(3,298)	1:6:A:ILE:HG21	1:115:A:THR:H	5	0.64	0.2	0.63
(3,298)	1:6:A:ILE:HG22	1:115:A:THR:H	5	0.64	0.2	0.63
(3,298)	1:6:A:ILE:HG23	1:115:A:THR:H	5	0.64	0.2	0.63
(3,145)	1:144:A:ALA:HB1	1:152:A:LEU:H	5	0.56	0.28	0.42
(3,145)	1:144:A:ALA:HB2	1:152:A:LEU:H	5	0.56	0.28	0.42
(3,145)	1:144:A:ALA:HB3	1:152:A:LEU:H	5	0.56	0.28	0.42
(3,1001)	1:69:A:GLU:H	1:70:A:LEU:HD11	5	0.52	0.27	0.61
(3,1001)	1:69:A:GLU:H	1:70:A:LEU:HD12	5	0.52	0.27	0.61
(3,1001)	1:69:A:GLU:H	1:70:A:LEU:HD13	5	0.52	0.27	0.61
(3,1671)	1:107:A:VAL:HB	1:129:A:VAL:HG11	5	0.48	0.07	0.49
(3,1671)	1:107:A:VAL:HB	1:129:A:VAL:HG12	5	0.48	0.07	0.49
(3,1671)	1:107:A:VAL:HB	1:129:A:VAL:HG13	5	0.48	0.07	0.49
(3,1051)	1:54:A:ARG:HA	1:54:A:ARG:HD2	5	0.44	0.18	0.43
(3,1051)	1:54:A:ARG:HA	1:54:A:ARG:HD3	5	0.44	0.18	0.43
(3,2003)	1:75:A:ILE:HG21	1:95:A:PRO:HB2	5	0.4	0.17	0.38
(3,2003)	1:75:A:ILE:HG21	1:95:A:PRO:HB3	5	0.4	0.17	0.38
(3,2003)	1:75:A:ILE:HG22	1:95:A:PRO:HB2	5	0.4	0.17	0.38
(3,2003)	1:75:A:ILE:HG22	1:95:A:PRO:HB3	5	0.4	0.17	0.38
(3,2003)	1:75:A:ILE:HG23	1:95:A:PRO:HB2	5	0.4	0.17	0.38
(3,2003)	1:75:A:ILE:HG23	1:95:A:PRO:HB3	5	0.4	0.17	0.38
(3,858)	1:95:A:PRO:HA	1:97:A:ALA:H	5	0.34	0.08	0.35
(3,1094)	1:14:A:ALA:HB1	1:58:A:THR:HG21	5	0.32	0.15	0.29
(3,1094)	1:14:A:ALA:HB1	1:58:A:THR:HG22	5	0.32	0.15	0.29
(3,1094)	1:14:A:ALA:HB1	1:58:A:THR:HG23	5	0.32	0.15	0.29
(3,1094)	1:14:A:ALA:HB2	1:58:A:THR:HG21	5	0.32	0.15	0.29
(3,1094)	1:14:A:ALA:HB2	1:58:A:THR:HG22	5	0.32	0.15	0.29
(3,1094)	1:14:A:ALA:HB2	1:58:A:THR:HG23	5	0.32	0.15	0.29
(3,1094)	1:14:A:ALA:HB3	1:58:A:THR:HG21	5	0.32	0.15	0.29
(3,1094)	1:14:A:ALA:HB3	1:58:A:THR:HG22	5	0.32	0.15	0.29
(3,1094)	1:14:A:ALA:HB3	1:58:A:THR:HG23	5	0.32	0.15	0.29
(3,872)	1:95:A:PRO:HA	1:107:A:VAL:H	5	0.31	0.14	0.37
(3,1689)	1:29:A:ALA:HB1	1:44:A:LEU:HG	5	0.3	0.13	0.21
(3,1689)	1:29:A:ALA:HB2	1:44:A:LEU:HG	5	0.3	0.13	0.21
(3,1689)	1:29:A:ALA:HB3	1:44:A:LEU:HG	5	0.3	0.13	0.21
(3,1915)	1:51:A:SER:HB2	1:54:A:ARG:H	5	0.29	0.15	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1915)	1:51:A:SER:HB3	1:54:A:ARG:H	5	0.29	0.15	0.28
(3,368)	1:45:A:VAL:HG21	1:49:A:LEU:H	5	0.29	0.16	0.21
(3,368)	1:45:A:VAL:HG22	1:49:A:LEU:H	5	0.29	0.16	0.21
(3,368)	1:45:A:VAL:HG23	1:49:A:LEU:H	5	0.29	0.16	0.21
(3,242)	1:9:A:LYS:H	1:9:A:LYS:HD2	5	0.27	0.15	0.22
(3,242)	1:9:A:LYS:H	1:9:A:LYS:HD3	5	0.27	0.15	0.22
(3,851)	1:89:A:LYS:HA	1:93:A:ALA:H	5	0.27	0.08	0.28
(3,774)	1:35:A:GLU:HB3	1:36:A:VAL:H	5	0.27	0.14	0.21
(3,1210)	1:59:A:ILE:HG21	1:133:A:GLN:HG2	5	0.24	0.09	0.23
(3,1210)	1:59:A:ILE:HG21	1:133:A:GLN:HG3	5	0.24	0.09	0.23
(3,1210)	1:59:A:ILE:HG22	1:133:A:GLN:HG2	5	0.24	0.09	0.23
(3,1210)	1:59:A:ILE:HG22	1:133:A:GLN:HG3	5	0.24	0.09	0.23
(3,1210)	1:59:A:ILE:HG23	1:133:A:GLN:HG2	5	0.24	0.09	0.23
(3,1210)	1:59:A:ILE:HG23	1:133:A:GLN:HG3	5	0.24	0.09	0.23
(3,550)	1:145:A:LYS:H	1:145:A:LYS:HE2	5	0.22	0.09	0.23
(3,550)	1:145:A:LYS:H	1:145:A:LYS:HE3	5	0.22	0.09	0.23
(3,523)	1:35:A:GLU:H	1:36:A:VAL:HG11	5	0.21	0.06	0.16
(3,523)	1:35:A:GLU:H	1:36:A:VAL:HG12	5	0.21	0.06	0.16
(3,523)	1:35:A:GLU:H	1:36:A:VAL:HG13	5	0.21	0.06	0.16
(3,223)	1:109:A:PHE:H	1:133:A:GLN:HG2	5	0.2	0.05	0.23
(3,223)	1:109:A:PHE:H	1:133:A:GLN:HG3	5	0.2	0.05	0.23
(3,996)	1:98:A:LEU:H	1:106:A:ARG:HB2	5	0.2	0.05	0.16
(3,996)	1:98:A:LEU:H	1:106:A:ARG:HB3	5	0.2	0.05	0.16
(3,1777)	1:19:A:GLY:HA2	1:21:A:LEU:HA	5	0.18	0.08	0.14
(3,1777)	1:19:A:GLY:HA3	1:21:A:LEU:HA	5	0.18	0.08	0.14
(3,1616)	1:79:A:VAL:HG21	1:105:A:VAL:HG11	5	0.18	0.07	0.19
(3,1616)	1:79:A:VAL:HG21	1:105:A:VAL:HG12	5	0.18	0.07	0.19
(3,1616)	1:79:A:VAL:HG21	1:105:A:VAL:HG13	5	0.18	0.07	0.19
(3,1616)	1:79:A:VAL:HG22	1:105:A:VAL:HG11	5	0.18	0.07	0.19
(3,1616)	1:79:A:VAL:HG22	1:105:A:VAL:HG12	5	0.18	0.07	0.19
(3,1616)	1:79:A:VAL:HG22	1:105:A:VAL:HG13	5	0.18	0.07	0.19
(3,1616)	1:79:A:VAL:HG23	1:105:A:VAL:HG11	5	0.18	0.07	0.19
(3,1616)	1:79:A:VAL:HG23	1:105:A:VAL:HG12	5	0.18	0.07	0.19
(3,1616)	1:79:A:VAL:HG23	1:105:A:VAL:HG13	5	0.18	0.07	0.19
(4,20)	1:94:A:ILE:O	1:108:A:ALA:H	5	0.17	0.05	0.16
(3,346)	1:58:A:THR:HG21	1:61:A:ASP:H	5	0.17	0.05	0.18
(3,346)	1:58:A:THR:HG22	1:61:A:ASP:H	5	0.17	0.05	0.18
(3,346)	1:58:A:THR:HG23	1:61:A:ASP:H	5	0.17	0.05	0.18
(3,355)	1:27:A:GLN:HG2	1:28:A:ARG:H	5	0.16	0.05	0.15
(3,355)	1:27:A:GLN:HG3	1:28:A:ARG:H	5	0.16	0.05	0.15
(3,2050)	1:90:A:GLU:HB2	1:91:A:LEU:H	5	0.15	0.05	0.14
(3,2050)	1:90:A:GLU:HB3	1:91:A:LEU:H	5	0.15	0.05	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,386)	1:79:A:VAL:HG21	1:80:A:LYS:H	5	0.14	0.03	0.12
(3,386)	1:79:A:VAL:HG22	1:80:A:LYS:H	5	0.14	0.03	0.12
(3,386)	1:79:A:VAL:HG23	1:80:A:LYS:H	5	0.14	0.03	0.12
(3,1372)	1:97:A:ALA:HB1	1:98:A:LEU:HD21	5	0.13	0.02	0.14
(3,1372)	1:97:A:ALA:HB1	1:98:A:LEU:HD22	5	0.13	0.02	0.14
(3,1372)	1:97:A:ALA:HB1	1:98:A:LEU:HD23	5	0.13	0.02	0.14
(3,1372)	1:97:A:ALA:HB2	1:98:A:LEU:HD21	5	0.13	0.02	0.14
(3,1372)	1:97:A:ALA:HB2	1:98:A:LEU:HD22	5	0.13	0.02	0.14
(3,1372)	1:97:A:ALA:HB2	1:98:A:LEU:HD23	5	0.13	0.02	0.14
(3,1372)	1:97:A:ALA:HB3	1:98:A:LEU:HD21	5	0.13	0.02	0.14
(3,1372)	1:97:A:ALA:HB3	1:98:A:LEU:HD22	5	0.13	0.02	0.14
(3,1372)	1:97:A:ALA:HB3	1:98:A:LEU:HD23	5	0.13	0.02	0.14
(3,1744)	1:11:A:LEU:HB2	1:12:A:GLY:H	5	0.12	0.02	0.12
(3,1744)	1:11:A:LEU:HB3	1:12:A:GLY:H	5	0.12	0.02	0.12
(4,12)	1:52:A:GLU:OE2	1:136:A:LYS:H	4	1.32	0.42	1.26
(4,11)	1:52:A:GLU:OE2	1:136:A:LYS:N	4	1.19	0.41	1.14
(3,1196)	1:56:A:ALA:HA	1:133:A:GLN:HE22	4	0.68	0.29	0.74
(3,989)	1:4:A:LEU:H	1:9:A:LYS:HE2	4	0.57	0.36	0.5
(3,989)	1:4:A:LEU:H	1:9:A:LYS:HE3	4	0.57	0.36	0.5
(3,1091)	1:58:A:THR:HA	1:61:A:ASP:HB2	4	0.55	0.23	0.67
(3,765)	1:29:A:ALA:HA	1:33:A:HIS:H	4	0.43	0.23	0.38
(3,2015)	1:80:A:LYS:HB2	1:81:A:ALA:H	4	0.41	0.14	0.44
(3,2015)	1:80:A:LYS:HB3	1:81:A:ALA:H	4	0.41	0.14	0.44
(3,1426)	1:82:A:LEU:HD21	1:125:A:THR:HG21	4	0.4	0.2	0.42
(3,1426)	1:82:A:LEU:HD21	1:125:A:THR:HG22	4	0.4	0.2	0.42
(3,1426)	1:82:A:LEU:HD21	1:125:A:THR:HG23	4	0.4	0.2	0.42
(3,1426)	1:82:A:LEU:HD22	1:125:A:THR:HG21	4	0.4	0.2	0.42
(3,1426)	1:82:A:LEU:HD22	1:125:A:THR:HG22	4	0.4	0.2	0.42
(3,1426)	1:82:A:LEU:HD22	1:125:A:THR:HG23	4	0.4	0.2	0.42
(3,1426)	1:82:A:LEU:HD23	1:125:A:THR:HG21	4	0.4	0.2	0.42
(3,1426)	1:82:A:LEU:HD23	1:125:A:THR:HG22	4	0.4	0.2	0.42
(3,1426)	1:82:A:LEU:HD23	1:125:A:THR:HG23	4	0.4	0.2	0.42
(3,1438)	1:109:A:PHE:HD1	1:131:A:PRO:HA	4	0.38	0.13	0.38
(3,1438)	1:109:A:PHE:HD2	1:131:A:PRO:HA	4	0.38	0.13	0.38
(3,2113)	1:110:A:LEU:HD11	1:136:A:LYS:HB2	4	0.37	0.2	0.27
(3,2113)	1:110:A:LEU:HD11	1:136:A:LYS:HB3	4	0.37	0.2	0.27
(3,2113)	1:110:A:LEU:HD12	1:136:A:LYS:HB2	4	0.37	0.2	0.27
(3,2113)	1:110:A:LEU:HD12	1:136:A:LYS:HB3	4	0.37	0.2	0.27
(3,2113)	1:110:A:LEU:HD13	1:136:A:LYS:HB2	4	0.37	0.2	0.27
(3,2113)	1:110:A:LEU:HD13	1:136:A:LYS:HB3	4	0.37	0.2	0.27
(3,105)	1:93:A:ALA:H	1:139:A:PHE:HE1	4	0.34	0.09	0.34
(3,105)	1:93:A:ALA:H	1:139:A:PHE:HE2	4	0.34	0.09	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1056)	1:122:A:GLU:HA	1:129:A:VAL:HG11	4	0.32	0.08	0.36
(3,1056)	1:122:A:GLU:HA	1:129:A:VAL:HG12	4	0.32	0.08	0.36
(3,1056)	1:122:A:GLU:HA	1:129:A:VAL:HG13	4	0.32	0.08	0.36
(3,396)	1:40:A:LEU:HD11	1:44:A:LEU:H	4	0.31	0.09	0.32
(3,396)	1:40:A:LEU:HD12	1:44:A:LEU:H	4	0.31	0.09	0.32
(3,396)	1:40:A:LEU:HD13	1:44:A:LEU:H	4	0.31	0.09	0.32
(3,1963)	1:62:A:ARG:HG2	1:63:A:PHE:H	4	0.31	0.16	0.31
(3,1963)	1:62:A:ARG:HG3	1:63:A:PHE:H	4	0.31	0.16	0.31
(3,2163)	1:122:A:GLU:HG2	1:129:A:VAL:HG11	4	0.31	0.1	0.34
(3,2163)	1:122:A:GLU:HG2	1:129:A:VAL:HG12	4	0.31	0.1	0.34
(3,2163)	1:122:A:GLU:HG2	1:129:A:VAL:HG13	4	0.31	0.1	0.34
(3,2163)	1:122:A:GLU:HG3	1:129:A:VAL:HG11	4	0.31	0.1	0.34
(3,2163)	1:122:A:GLU:HG3	1:129:A:VAL:HG12	4	0.31	0.1	0.34
(3,2163)	1:122:A:GLU:HG3	1:129:A:VAL:HG13	4	0.31	0.1	0.34
(3,2214)	1:150:A:LEU:HB2	1:152:A:LEU:H	4	0.31	0.18	0.26
(3,2214)	1:150:A:LEU:HB3	1:152:A:LEU:H	4	0.31	0.18	0.26
(3,1272)	1:13:A:ALA:HA	1:17:A:ASP:H	4	0.29	0.03	0.28
(3,744)	1:45:A:VAL:HG11	1:52:A:GLU:H	4	0.26	0.1	0.3
(3,744)	1:45:A:VAL:HG12	1:52:A:GLU:H	4	0.26	0.1	0.3
(3,744)	1:45:A:VAL:HG13	1:52:A:GLU:H	4	0.26	0.1	0.3
(3,2058)	1:91:A:LEU:HD21	1:120:A:GLU:HB2	4	0.25	0.15	0.2
(3,2058)	1:91:A:LEU:HD21	1:120:A:GLU:HB3	4	0.25	0.15	0.2
(3,2058)	1:91:A:LEU:HD22	1:120:A:GLU:HB2	4	0.25	0.15	0.2
(3,2058)	1:91:A:LEU:HD22	1:120:A:GLU:HB3	4	0.25	0.15	0.2
(3,2058)	1:91:A:LEU:HD23	1:120:A:GLU:HB2	4	0.25	0.15	0.2
(3,2058)	1:91:A:LEU:HD23	1:120:A:GLU:HB3	4	0.25	0.15	0.2
(3,761)	1:27:A:GLN:HG2	1:30:A:LEU:H	4	0.24	0.11	0.21
(3,761)	1:27:A:GLN:HG3	1:30:A:LEU:H	4	0.24	0.11	0.21
(3,680)	1:6:A:ILE:HG21	1:7:A:GLY:H	4	0.23	0.1	0.2
(3,680)	1:6:A:ILE:HG22	1:7:A:GLY:H	4	0.23	0.1	0.2
(3,680)	1:6:A:ILE:HG23	1:7:A:GLY:H	4	0.23	0.1	0.2
(3,2112)	1:110:A:LEU:HB2	1:134:A:THR:HG21	4	0.23	0.18	0.14
(3,2112)	1:110:A:LEU:HB2	1:134:A:THR:HG22	4	0.23	0.18	0.14
(3,2112)	1:110:A:LEU:HB2	1:134:A:THR:HG23	4	0.23	0.18	0.14
(3,2112)	1:110:A:LEU:HB3	1:134:A:THR:HG21	4	0.23	0.18	0.14
(3,2112)	1:110:A:LEU:HB3	1:134:A:THR:HG22	4	0.23	0.18	0.14
(3,2112)	1:110:A:LEU:HB3	1:134:A:THR:HG23	4	0.23	0.18	0.14
(3,2158)	1:122:A:GLU:HB2	1:129:A:VAL:H	4	0.21	0.08	0.17
(3,2158)	1:122:A:GLU:HB3	1:129:A:VAL:H	4	0.21	0.08	0.17
(3,382)	1:25:A:GLU:HB3	1:26:A:LEU:H	4	0.21	0.11	0.17
(3,1738)	1:10:A:ARG:HB2	1:13:A:ALA:H	4	0.2	0.08	0.21
(3,1738)	1:10:A:ARG:HB3	1:13:A:ALA:H	4	0.2	0.08	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,705)	1:2:A:SER:H	1:3:A:VAL:HA	4	0.2	0.06	0.2
(3,1605)	1:98:A:LEU:HA	1:98:A:LEU:HD11	4	0.2	0.05	0.18
(3,1605)	1:98:A:LEU:HA	1:98:A:LEU:HD12	4	0.2	0.05	0.18
(3,1605)	1:98:A:LEU:HA	1:98:A:LEU:HD13	4	0.2	0.05	0.18
(3,1465)	1:65:A:ILE:HG21	1:66:A:PRO:HG2	4	0.2	0.05	0.2
(3,1465)	1:65:A:ILE:HG21	1:66:A:PRO:HG3	4	0.2	0.05	0.2
(3,1465)	1:65:A:ILE:HG22	1:66:A:PRO:HG2	4	0.2	0.05	0.2
(3,1465)	1:65:A:ILE:HG22	1:66:A:PRO:HG3	4	0.2	0.05	0.2
(3,1465)	1:65:A:ILE:HG23	1:66:A:PRO:HG2	4	0.2	0.05	0.2
(3,1465)	1:65:A:ILE:HG23	1:66:A:PRO:HG3	4	0.2	0.05	0.2
(3,995)	1:96:A:PHE:H	1:107:A:VAL:H	4	0.19	0.08	0.16
(3,822)	1:68:A:VAL:H	1:132:A:TYR:HD1	4	0.19	0.06	0.18
(3,822)	1:68:A:VAL:H	1:132:A:TYR:HD2	4	0.19	0.06	0.18
(3,321)	1:101:A:GLU:HG2	1:102:A:ALA:H	4	0.17	0.03	0.16
(3,321)	1:101:A:GLU:HG3	1:102:A:ALA:H	4	0.17	0.03	0.16
(3,220)	1:30:A:LEU:HG	1:31:A:GLU:H	4	0.16	0.03	0.16
(3,1266)	1:2:A:SER:HB2	1:3:A:VAL:HA	4	0.16	0.05	0.15
(3,1266)	1:2:A:SER:HB3	1:3:A:VAL:HA	4	0.16	0.05	0.15
(3,2016)	1:81:A:ALA:H	1:82:A:LEU:HB2	4	0.16	0.02	0.16
(3,2016)	1:81:A:ALA:H	1:82:A:LEU:HB3	4	0.16	0.02	0.16
(3,971)	1:23:A:ASP:HB2	1:25:A:GLU:H	4	0.16	0.03	0.15
(3,971)	1:23:A:ASP:HB3	1:25:A:GLU:H	4	0.16	0.03	0.15
(3,4)	1:104:A:VAL:HG11	1:130:A:GLU:H	4	0.16	0.03	0.15
(3,4)	1:104:A:VAL:HG12	1:130:A:GLU:H	4	0.16	0.03	0.15
(3,4)	1:104:A:VAL:HG13	1:130:A:GLU:H	4	0.16	0.03	0.15
(3,4)	1:104:A:VAL:HG21	1:130:A:GLU:H	4	0.16	0.03	0.15
(3,4)	1:104:A:VAL:HG22	1:130:A:GLU:H	4	0.16	0.03	0.15
(3,4)	1:104:A:VAL:HG23	1:130:A:GLU:H	4	0.16	0.03	0.15
(3,558)	1:113:A:LEU:H	1:113:A:LEU:HG	4	0.15	0.02	0.16
(3,485)	1:143:A:LEU:HD21	1:144:A:ALA:H	4	0.15	0.04	0.15
(3,485)	1:143:A:LEU:HD22	1:144:A:ALA:H	4	0.15	0.04	0.15
(3,485)	1:143:A:LEU:HD23	1:144:A:ALA:H	4	0.15	0.04	0.15
(3,2047)	1:89:A:LYS:HG2	1:90:A:GLU:H	4	0.14	0.04	0.13
(3,2047)	1:89:A:LYS:HG3	1:90:A:GLU:H	4	0.14	0.04	0.13
(3,369)	1:49:A:LEU:H	1:49:A:LEU:HD11	4	0.12	0.03	0.11
(3,369)	1:49:A:LEU:H	1:49:A:LEU:HD12	4	0.12	0.03	0.11
(3,369)	1:49:A:LEU:H	1:49:A:LEU:HD13	4	0.12	0.03	0.11
(3,691)	1:124:A:LEU:HG	1:125:A:THR:H	4	0.12	0.01	0.12
(3,826)	1:117:A:SER:H	1:119:A:GLU:H	4	0.12	0.02	0.12
(3,1222)	1:112:A:PRO:HA	1:113:A:LEU:HA	4	0.12	0.02	0.12
(3,1184)	1:45:A:VAL:HB	1:46:A:ASP:H	4	0.12	0.01	0.12
(4,3)	1:105:A:VAL:N	1:128:A:VAL:O	4	0.11	0.01	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6)	1:142:A:ALA:HB1	1:85:A:ALA:HA	4	0.1	0.0	0.1
(1,6)	1:142:A:ALA:HB2	1:85:A:ALA:HA	4	0.1	0.0	0.1
(1,6)	1:142:A:ALA:HB3	1:85:A:ALA:HA	4	0.1	0.0	0.1
(6,6)	1:85:A:ALA:HA	1:142:A:ALA:HB1	4	0.1	0.0	0.1
(6,6)	1:85:A:ALA:HA	1:142:A:ALA:HB2	4	0.1	0.0	0.1
(6,6)	1:85:A:ALA:HA	1:142:A:ALA:HB3	4	0.1	0.0	0.1
(3,1956)	1:61:A:ASP:H	1:62:A:ARG:HG2	3	0.74	0.17	0.75
(3,1956)	1:61:A:ASP:H	1:62:A:ARG:HG3	3	0.74	0.17	0.75
(3,1651)	1:107:A:VAL:HG21	1:118:A:LEU:HD11	3	0.71	0.07	0.74
(3,1651)	1:107:A:VAL:HG21	1:118:A:LEU:HD12	3	0.71	0.07	0.74
(3,1651)	1:107:A:VAL:HG21	1:118:A:LEU:HD13	3	0.71	0.07	0.74
(3,1651)	1:107:A:VAL:HG22	1:118:A:LEU:HD11	3	0.71	0.07	0.74
(3,1651)	1:107:A:VAL:HG22	1:118:A:LEU:HD12	3	0.71	0.07	0.74
(3,1651)	1:107:A:VAL:HG22	1:118:A:LEU:HD13	3	0.71	0.07	0.74
(3,1651)	1:107:A:VAL:HG23	1:118:A:LEU:HD11	3	0.71	0.07	0.74
(3,1651)	1:107:A:VAL:HG23	1:118:A:LEU:HD12	3	0.71	0.07	0.74
(3,1651)	1:107:A:VAL:HG23	1:118:A:LEU:HD13	3	0.71	0.07	0.74
(3,1284)	1:31:A:GLU:HA	1:34:A:ARG:HD2	3	0.67	0.48	0.44
(3,1284)	1:31:A:GLU:HA	1:34:A:ARG:HD3	3	0.67	0.48	0.44
(3,1115)	1:136:A:LYS:HE2	1:140:A:LEU:HD11	3	0.66	0.28	0.82
(3,1115)	1:136:A:LYS:HE2	1:140:A:LEU:HD12	3	0.66	0.28	0.82
(3,1115)	1:136:A:LYS:HE2	1:140:A:LEU:HD13	3	0.66	0.28	0.82
(3,1115)	1:136:A:LYS:HE3	1:140:A:LEU:HD11	3	0.66	0.28	0.82
(3,1115)	1:136:A:LYS:HE3	1:140:A:LEU:HD12	3	0.66	0.28	0.82
(3,1115)	1:136:A:LYS:HE3	1:140:A:LEU:HD13	3	0.66	0.28	0.82
(3,1916)	1:51:A:SER:HB2	1:54:A:ARG:HG2	3	0.61	0.28	0.59
(3,1916)	1:51:A:SER:HB2	1:54:A:ARG:HG3	3	0.61	0.28	0.59
(3,1916)	1:51:A:SER:HB3	1:54:A:ARG:HG2	3	0.61	0.28	0.59
(3,1916)	1:51:A:SER:HB3	1:54:A:ARG:HG3	3	0.61	0.28	0.59
(3,1236)	1:121:A:VAL:HA	1:124:A:LEU:HB3	3	0.6	0.3	0.52
(3,2046)	1:89:A:LYS:HB2	1:143:A:LEU:HD21	3	0.58	0.13	0.66
(3,2046)	1:89:A:LYS:HB2	1:143:A:LEU:HD22	3	0.58	0.13	0.66
(3,2046)	1:89:A:LYS:HB2	1:143:A:LEU:HD23	3	0.58	0.13	0.66
(3,2046)	1:89:A:LYS:HB3	1:143:A:LEU:HD21	3	0.58	0.13	0.66
(3,2046)	1:89:A:LYS:HB3	1:143:A:LEU:HD22	3	0.58	0.13	0.66
(3,2046)	1:89:A:LYS:HB3	1:143:A:LEU:HD23	3	0.58	0.13	0.66
(3,597)	1:89:A:LYS:H	1:143:A:LEU:HD11	3	0.57	0.28	0.63
(3,597)	1:89:A:LYS:H	1:143:A:LEU:HD12	3	0.57	0.28	0.63
(3,597)	1:89:A:LYS:H	1:143:A:LEU:HD13	3	0.57	0.28	0.63
(3,1571)	1:70:A:LEU:HD21	1:139:A:PHE:HD1	3	0.49	0.24	0.44
(3,1571)	1:70:A:LEU:HD21	1:139:A:PHE:HD2	3	0.49	0.24	0.44
(3,1571)	1:70:A:LEU:HD22	1:139:A:PHE:HD1	3	0.49	0.24	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1571)	1:70:A:LEU:HD22	1:139:A:PHE:HD2	3	0.49	0.24	0.44
(3,1571)	1:70:A:LEU:HD23	1:139:A:PHE:HD1	3	0.49	0.24	0.44
(3,1571)	1:70:A:LEU:HD23	1:139:A:PHE:HD2	3	0.49	0.24	0.44
(3,1273)	1:13:A:ALA:HB1	1:16:A:LEU:HB3	3	0.48	0.27	0.55
(3,1273)	1:13:A:ALA:HB2	1:16:A:LEU:HB3	3	0.48	0.27	0.55
(3,1273)	1:13:A:ALA:HB3	1:16:A:LEU:HB3	3	0.48	0.27	0.55
(3,1323)	1:6:A:ILE:HB	1:116:A:LEU:HB3	3	0.45	0.19	0.56
(3,2062)	1:92:A:LYS:HB2	1:110:A:LEU:H	3	0.44	0.19	0.44
(3,2062)	1:92:A:LYS:HB3	1:110:A:LEU:H	3	0.44	0.19	0.44
(3,233)	1:28:A:ARG:HA	1:32:A:ARG:H	3	0.42	0.14	0.34
(3,1823)	1:32:A:ARG:HG2	1:36:A:VAL:HG11	3	0.41	0.15	0.32
(3,1823)	1:32:A:ARG:HG2	1:36:A:VAL:HG12	3	0.41	0.15	0.32
(3,1823)	1:32:A:ARG:HG2	1:36:A:VAL:HG13	3	0.41	0.15	0.32
(3,1823)	1:32:A:ARG:HG3	1:36:A:VAL:HG11	3	0.41	0.15	0.32
(3,1823)	1:32:A:ARG:HG3	1:36:A:VAL:HG12	3	0.41	0.15	0.32
(3,1823)	1:32:A:ARG:HG3	1:36:A:VAL:HG13	3	0.41	0.15	0.32
(3,1258)	1:68:A:VAL:HG21	1:134:A:THR:HB	3	0.41	0.24	0.34
(3,1258)	1:68:A:VAL:HG22	1:134:A:THR:HB	3	0.41	0.24	0.34
(3,1258)	1:68:A:VAL:HG23	1:134:A:THR:HB	3	0.41	0.24	0.34
(3,1606)	1:98:A:LEU:HD11	1:99:A:ASP:H	3	0.4	0.12	0.36
(3,1606)	1:98:A:LEU:HD12	1:99:A:ASP:H	3	0.4	0.12	0.36
(3,1606)	1:98:A:LEU:HD13	1:99:A:ASP:H	3	0.4	0.12	0.36
(3,1515)	1:32:A:ARG:HA	1:36:A:VAL:HG11	3	0.39	0.08	0.33
(3,1515)	1:32:A:ARG:HA	1:36:A:VAL:HG12	3	0.39	0.08	0.33
(3,1515)	1:32:A:ARG:HA	1:36:A:VAL:HG13	3	0.39	0.08	0.33
(3,1277)	1:14:A:ALA:HB1	1:62:A:ARG:HD2	3	0.39	0.23	0.27
(3,1277)	1:14:A:ALA:HB2	1:62:A:ARG:HD2	3	0.39	0.23	0.27
(3,1277)	1:14:A:ALA:HB3	1:62:A:ARG:HD2	3	0.39	0.23	0.27
(3,1277)	1:14:A:ALA:HB1	1:62:A:ARG:HD3	3	0.39	0.23	0.27
(3,1277)	1:14:A:ALA:HB2	1:62:A:ARG:HD3	3	0.39	0.23	0.27
(3,1277)	1:14:A:ALA:HB3	1:62:A:ARG:HD3	3	0.39	0.23	0.27
(3,1553)	1:20:A:LEU:H	1:50:A:LEU:HD11	3	0.38	0.13	0.44
(3,1553)	1:20:A:LEU:H	1:50:A:LEU:HD12	3	0.38	0.13	0.44
(3,1553)	1:20:A:LEU:H	1:50:A:LEU:HD13	3	0.38	0.13	0.44
(3,883)	1:6:A:ILE:HG21	1:116:A:LEU:H	3	0.38	0.18	0.35
(3,883)	1:6:A:ILE:HG22	1:116:A:LEU:H	3	0.38	0.18	0.35
(3,883)	1:6:A:ILE:HG23	1:116:A:LEU:H	3	0.38	0.18	0.35
(3,1691)	1:139:A:PHE:HD1	1:143:A:LEU:HD11	3	0.37	0.19	0.28
(3,1691)	1:139:A:PHE:HD1	1:143:A:LEU:HD12	3	0.37	0.19	0.28
(3,1691)	1:139:A:PHE:HD1	1:143:A:LEU:HD13	3	0.37	0.19	0.28
(3,1691)	1:139:A:PHE:HD2	1:143:A:LEU:HD11	3	0.37	0.19	0.28
(3,1691)	1:139:A:PHE:HD2	1:143:A:LEU:HD12	3	0.37	0.19	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1691)	1:139:A:PHE:HD2	1:143:A:LEU:HD13	3	0.37	0.19	0.28
(3,1817)	1:32:A:ARG:H	1:33:A:HIS:HB2	3	0.36	0.13	0.38
(3,1817)	1:32:A:ARG:H	1:33:A:HIS:HB3	3	0.36	0.13	0.38
(3,1133)	1:110:A:LEU:HD21	1:134:A:THR:HG21	3	0.35	0.13	0.3
(3,1133)	1:110:A:LEU:HD21	1:134:A:THR:HG22	3	0.35	0.13	0.3
(3,1133)	1:110:A:LEU:HD21	1:134:A:THR:HG23	3	0.35	0.13	0.3
(3,1133)	1:110:A:LEU:HD22	1:134:A:THR:HG21	3	0.35	0.13	0.3
(3,1133)	1:110:A:LEU:HD22	1:134:A:THR:HG22	3	0.35	0.13	0.3
(3,1133)	1:110:A:LEU:HD22	1:134:A:THR:HG23	3	0.35	0.13	0.3
(3,1133)	1:110:A:LEU:HD23	1:134:A:THR:HG21	3	0.35	0.13	0.3
(3,1133)	1:110:A:LEU:HD23	1:134:A:THR:HG22	3	0.35	0.13	0.3
(3,1133)	1:110:A:LEU:HD23	1:134:A:THR:HG23	3	0.35	0.13	0.3
(3,1519)	1:30:A:LEU:HG	1:40:A:LEU:HD11	3	0.32	0.04	0.35
(3,1519)	1:30:A:LEU:HG	1:40:A:LEU:HD12	3	0.32	0.04	0.35
(3,1519)	1:30:A:LEU:HG	1:40:A:LEU:HD13	3	0.32	0.04	0.35
(3,1596)	1:83:A:LEU:HD21	1:125:A:THR:HB	3	0.31	0.22	0.19
(3,1596)	1:83:A:LEU:HD22	1:125:A:THR:HB	3	0.31	0.22	0.19
(3,1596)	1:83:A:LEU:HD23	1:125:A:THR:HB	3	0.31	0.22	0.19
(3,1533)	1:29:A:ALA:HB1	1:44:A:LEU:HD11	3	0.28	0.12	0.22
(3,1533)	1:29:A:ALA:HB1	1:44:A:LEU:HD12	3	0.28	0.12	0.22
(3,1533)	1:29:A:ALA:HB1	1:44:A:LEU:HD13	3	0.28	0.12	0.22
(3,1533)	1:29:A:ALA:HB2	1:44:A:LEU:HD11	3	0.28	0.12	0.22
(3,1533)	1:29:A:ALA:HB2	1:44:A:LEU:HD12	3	0.28	0.12	0.22
(3,1533)	1:29:A:ALA:HB2	1:44:A:LEU:HD13	3	0.28	0.12	0.22
(3,1533)	1:29:A:ALA:HB3	1:44:A:LEU:HD11	3	0.28	0.12	0.22
(3,1533)	1:29:A:ALA:HB3	1:44:A:LEU:HD12	3	0.28	0.12	0.22
(3,1533)	1:29:A:ALA:HB3	1:44:A:LEU:HD13	3	0.28	0.12	0.22
(3,2005)	1:75:A:ILE:HD11	1:96:A:PHE:HB2	3	0.26	0.02	0.26
(3,2005)	1:75:A:ILE:HD11	1:96:A:PHE:HB3	3	0.26	0.02	0.26
(3,2005)	1:75:A:ILE:HD12	1:96:A:PHE:HB2	3	0.26	0.02	0.26
(3,2005)	1:75:A:ILE:HD12	1:96:A:PHE:HB3	3	0.26	0.02	0.26
(3,2005)	1:75:A:ILE:HD13	1:96:A:PHE:HB2	3	0.26	0.02	0.26
(3,2005)	1:75:A:ILE:HD13	1:96:A:PHE:HB3	3	0.26	0.02	0.26
(3,1807)	1:30:A:LEU:H	1:31:A:GLU:HG2	3	0.25	0.19	0.13
(3,1807)	1:30:A:LEU:H	1:31:A:GLU:HG3	3	0.25	0.19	0.13
(3,2101)	1:106:A:ARG:HD2	1:132:A:TYR:HE1	3	0.25	0.05	0.25
(3,2101)	1:106:A:ARG:HD2	1:132:A:TYR:HE2	3	0.25	0.05	0.25
(3,2101)	1:106:A:ARG:HD3	1:132:A:TYR:HE1	3	0.25	0.05	0.25
(3,2101)	1:106:A:ARG:HD3	1:132:A:TYR:HE2	3	0.25	0.05	0.25
(3,1765)	1:15:A:LEU:HB2	1:50:A:LEU:HD11	3	0.24	0.03	0.24
(3,1765)	1:15:A:LEU:HB2	1:50:A:LEU:HD12	3	0.24	0.03	0.24
(3,1765)	1:15:A:LEU:HB2	1:50:A:LEU:HD13	3	0.24	0.03	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1765)	1:15:A:LEU:HB3	1:50:A:LEU:HD11	3	0.24	0.03	0.24
(3,1765)	1:15:A:LEU:HB3	1:50:A:LEU:HD12	3	0.24	0.03	0.24
(3,1765)	1:15:A:LEU:HB3	1:50:A:LEU:HD13	3	0.24	0.03	0.24
(3,1851)	1:39:A:SER:H	1:111:A:ASN:HD21	3	0.24	0.08	0.19
(3,1851)	1:39:A:SER:H	1:111:A:ASN:HD22	3	0.24	0.08	0.19
(3,982)	1:39:A:SER:H	1:43:A:VAL:H	3	0.23	0.06	0.25
(3,725)	1:15:A:LEU:H	1:58:A:THR:HG21	3	0.22	0.13	0.14
(3,725)	1:15:A:LEU:H	1:58:A:THR:HG22	3	0.22	0.13	0.14
(3,725)	1:15:A:LEU:H	1:58:A:THR:HG23	3	0.22	0.13	0.14
(3,1551)	1:15:A:LEU:HD11	1:50:A:LEU:HD11	3	0.22	0.08	0.25
(3,1551)	1:15:A:LEU:HD11	1:50:A:LEU:HD12	3	0.22	0.08	0.25
(3,1551)	1:15:A:LEU:HD11	1:50:A:LEU:HD13	3	0.22	0.08	0.25
(3,1551)	1:15:A:LEU:HD12	1:50:A:LEU:HD11	3	0.22	0.08	0.25
(3,1551)	1:15:A:LEU:HD12	1:50:A:LEU:HD12	3	0.22	0.08	0.25
(3,1551)	1:15:A:LEU:HD12	1:50:A:LEU:HD13	3	0.22	0.08	0.25
(3,1551)	1:15:A:LEU:HD13	1:50:A:LEU:HD11	3	0.22	0.08	0.25
(3,1551)	1:15:A:LEU:HD13	1:50:A:LEU:HD12	3	0.22	0.08	0.25
(3,1551)	1:15:A:LEU:HD13	1:50:A:LEU:HD13	3	0.22	0.08	0.25
(3,1928)	1:57:A:GLN:HB2	1:58:A:THR:HG21	3	0.21	0.08	0.17
(3,1928)	1:57:A:GLN:HB2	1:58:A:THR:HG22	3	0.21	0.08	0.17
(3,1928)	1:57:A:GLN:HB2	1:58:A:THR:HG23	3	0.21	0.08	0.17
(3,1928)	1:57:A:GLN:HB3	1:58:A:THR:HG21	3	0.21	0.08	0.17
(3,1928)	1:57:A:GLN:HB3	1:58:A:THR:HG22	3	0.21	0.08	0.17
(3,1928)	1:57:A:GLN:HB3	1:58:A:THR:HG23	3	0.21	0.08	0.17
(3,2104)	1:109:A:PHE:H	1:132:A:TYR:HB2	3	0.21	0.03	0.21
(3,2104)	1:109:A:PHE:H	1:132:A:TYR:HB3	3	0.21	0.03	0.21
(3,1523)	1:30:A:LEU:HG	1:40:A:LEU:HD21	3	0.21	0.12	0.13
(3,1523)	1:30:A:LEU:HG	1:40:A:LEU:HD22	3	0.21	0.12	0.13
(3,1523)	1:30:A:LEU:HG	1:40:A:LEU:HD23	3	0.21	0.12	0.13
(3,1193)	1:52:A:GLU:HB2	1:55:A:ILE:HD11	3	0.21	0.08	0.24
(3,1193)	1:52:A:GLU:HB2	1:55:A:ILE:HD12	3	0.21	0.08	0.24
(3,1193)	1:52:A:GLU:HB2	1:55:A:ILE:HD13	3	0.21	0.08	0.24
(3,1193)	1:52:A:GLU:HB3	1:55:A:ILE:HD11	3	0.21	0.08	0.24
(3,1193)	1:52:A:GLU:HB3	1:55:A:ILE:HD12	3	0.21	0.08	0.24
(3,1193)	1:52:A:GLU:HB3	1:55:A:ILE:HD13	3	0.21	0.08	0.24
(3,1505)	1:15:A:LEU:HA	1:21:A:LEU:HD11	3	0.2	0.02	0.21
(3,1505)	1:15:A:LEU:HA	1:21:A:LEU:HD12	3	0.2	0.02	0.21
(3,1505)	1:15:A:LEU:HA	1:21:A:LEU:HD13	3	0.2	0.02	0.21
(3,1302)	1:52:A:GLU:HA	1:55:A:ILE:HG21	3	0.2	0.06	0.17
(3,1302)	1:52:A:GLU:HA	1:55:A:ILE:HG22	3	0.2	0.06	0.17
(3,1302)	1:52:A:GLU:HA	1:55:A:ILE:HG23	3	0.2	0.06	0.17
(3,283)	1:143:A:LEU:H	1:143:A:LEU:HG	3	0.2	0.07	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1826)	1:32:A:ARG:HD2	1:33:A:HIS:H	3	0.2	0.02	0.2
(3,1826)	1:32:A:ARG:HD3	1:33:A:HIS:H	3	0.2	0.02	0.2
(3,631)	1:110:A:LEU:HB3	1:111:A:ASN:H	3	0.19	0.01	0.19
(3,373)	1:26:A:LEU:H	1:27:A:GLN:HB2	3	0.19	0.08	0.15
(3,373)	1:26:A:LEU:H	1:27:A:GLN:HB3	3	0.19	0.08	0.15
(3,1678)	1:118:A:LEU:HA	1:129:A:VAL:HG21	3	0.19	0.12	0.11
(3,1678)	1:118:A:LEU:HA	1:129:A:VAL:HG22	3	0.19	0.12	0.11
(3,1678)	1:118:A:LEU:HA	1:129:A:VAL:HG23	3	0.19	0.12	0.11
(3,1264)	1:2:A:SER:HB2	1:3:A:VAL:HG21	3	0.17	0.03	0.17
(3,1264)	1:2:A:SER:HB2	1:3:A:VAL:HG22	3	0.17	0.03	0.17
(3,1264)	1:2:A:SER:HB2	1:3:A:VAL:HG23	3	0.17	0.03	0.17
(3,1264)	1:2:A:SER:HB3	1:3:A:VAL:HG21	3	0.17	0.03	0.17
(3,1264)	1:2:A:SER:HB3	1:3:A:VAL:HG22	3	0.17	0.03	0.17
(3,1264)	1:2:A:SER:HB3	1:3:A:VAL:HG23	3	0.17	0.03	0.17
(3,310)	1:30:A:LEU:HD21	1:33:A:HIS:H	3	0.16	0.06	0.12
(3,310)	1:30:A:LEU:HD22	1:33:A:HIS:H	3	0.16	0.06	0.12
(3,310)	1:30:A:LEU:HD23	1:33:A:HIS:H	3	0.16	0.06	0.12
(3,153)	1:6:A:ILE:HA	1:8:A:ASP:H	3	0.16	0.02	0.15
(3,441)	1:124:A:LEU:H	1:125:A:THR:HG21	3	0.15	0.05	0.13
(3,441)	1:124:A:LEU:H	1:125:A:THR:HG22	3	0.15	0.05	0.13
(3,441)	1:124:A:LEU:H	1:125:A:THR:HG23	3	0.15	0.05	0.13
(3,1384)	1:104:A:VAL:HA	1:128:A:VAL:HB	3	0.15	0.03	0.15
(3,509)	1:91:A:LEU:H	1:91:A:LEU:HD21	3	0.14	0.02	0.14
(3,509)	1:91:A:LEU:H	1:91:A:LEU:HD22	3	0.14	0.02	0.14
(3,509)	1:91:A:LEU:H	1:91:A:LEU:HD23	3	0.14	0.02	0.14
(3,976)	1:30:A:LEU:H	1:40:A:LEU:HD21	3	0.14	0.05	0.11
(3,976)	1:30:A:LEU:H	1:40:A:LEU:HD22	3	0.14	0.05	0.11
(3,976)	1:30:A:LEU:H	1:40:A:LEU:HD23	3	0.14	0.05	0.11
(3,1613)	1:105:A:VAL:HG11	1:129:A:VAL:HA	3	0.14	0.01	0.14
(3,1613)	1:105:A:VAL:HG12	1:129:A:VAL:HA	3	0.14	0.01	0.14
(3,1613)	1:105:A:VAL:HG13	1:129:A:VAL:HA	3	0.14	0.01	0.14
(4,19)	1:94:A:ILE:O	1:108:A:ALA:N	3	0.13	0.02	0.13
(3,1274)	1:13:A:ALA:HB1	1:14:A:ALA:HA	3	0.13	0.02	0.12
(3,1274)	1:13:A:ALA:HB2	1:14:A:ALA:HA	3	0.13	0.02	0.12
(3,1274)	1:13:A:ALA:HB3	1:14:A:ALA:HA	3	0.13	0.02	0.12
(3,114)	1:68:A:VAL:H	1:68:A:VAL:HB	3	0.11	0.01	0.11
(3,2052)	1:90:A:GLU:HG2	1:91:A:LEU:HB2	2	1.05	0.14	1.05
(3,2052)	1:90:A:GLU:HG2	1:91:A:LEU:HB3	2	1.05	0.14	1.05
(3,2052)	1:90:A:GLU:HG3	1:91:A:LEU:HB2	2	1.05	0.14	1.05
(3,2052)	1:90:A:GLU:HG3	1:91:A:LEU:HB3	2	1.05	0.14	1.05
(3,1336)	1:88:A:ALA:HA	1:90:A:GLU:HG2	2	0.94	0.24	0.94
(3,1336)	1:88:A:ALA:HA	1:90:A:GLU:HG3	2	0.94	0.24	0.94

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1238)	1:32:A:ARG:HD3	1:36:A:VAL:HG21	2	0.82	0.07	0.82
(3,1238)	1:32:A:ARG:HD3	1:36:A:VAL:HG22	2	0.82	0.07	0.82
(3,1238)	1:32:A:ARG:HD3	1:36:A:VAL:HG23	2	0.82	0.07	0.82
(3,1862)	1:41:A:ALA:H	1:111:A:ASN:HD21	2	0.74	0.28	0.74
(3,1862)	1:41:A:ALA:H	1:111:A:ASN:HD22	2	0.74	0.28	0.74
(3,1911)	1:51:A:SER:H	1:54:A:ARG:HG2	2	0.68	0.02	0.68
(3,1911)	1:51:A:SER:H	1:54:A:ARG:HG3	2	0.68	0.02	0.68
(3,1134)	1:134:A:THR:HG21	1:139:A:PHE:HD1	2	0.67	0.11	0.67
(3,1134)	1:134:A:THR:HG21	1:139:A:PHE:HD2	2	0.67	0.11	0.67
(3,1134)	1:134:A:THR:HG22	1:139:A:PHE:HD1	2	0.67	0.11	0.67
(3,1134)	1:134:A:THR:HG22	1:139:A:PHE:HD2	2	0.67	0.11	0.67
(3,1134)	1:134:A:THR:HG23	1:139:A:PHE:HD1	2	0.67	0.11	0.67
(3,1134)	1:134:A:THR:HG23	1:139:A:PHE:HD2	2	0.67	0.11	0.67
(3,1468)	1:75:A:ILE:HG21	1:96:A:PHE:HA	2	0.64	0.26	0.64
(3,1468)	1:75:A:ILE:HG22	1:96:A:PHE:HA	2	0.64	0.26	0.64
(3,1468)	1:75:A:ILE:HG23	1:96:A:PHE:HA	2	0.64	0.26	0.64
(3,1516)	1:30:A:LEU:HD21	1:40:A:LEU:HD11	2	0.6	0.34	0.6
(3,1516)	1:30:A:LEU:HD21	1:40:A:LEU:HD12	2	0.6	0.34	0.6
(3,1516)	1:30:A:LEU:HD21	1:40:A:LEU:HD13	2	0.6	0.34	0.6
(3,1516)	1:30:A:LEU:HD22	1:40:A:LEU:HD11	2	0.6	0.34	0.6
(3,1516)	1:30:A:LEU:HD22	1:40:A:LEU:HD12	2	0.6	0.34	0.6
(3,1516)	1:30:A:LEU:HD22	1:40:A:LEU:HD13	2	0.6	0.34	0.6
(3,1516)	1:30:A:LEU:HD23	1:40:A:LEU:HD11	2	0.6	0.34	0.6
(3,1516)	1:30:A:LEU:HD23	1:40:A:LEU:HD12	2	0.6	0.34	0.6
(3,1516)	1:30:A:LEU:HD23	1:40:A:LEU:HD13	2	0.6	0.34	0.6
(3,1937)	1:58:A:THR:HG21	1:62:A:ARG:HG2	2	0.59	0.18	0.59
(3,1937)	1:58:A:THR:HG21	1:62:A:ARG:HG3	2	0.59	0.18	0.59
(3,1937)	1:58:A:THR:HG22	1:62:A:ARG:HG2	2	0.59	0.18	0.59
(3,1937)	1:58:A:THR:HG22	1:62:A:ARG:HG3	2	0.59	0.18	0.59
(3,1937)	1:58:A:THR:HG23	1:62:A:ARG:HG2	2	0.59	0.18	0.59
(3,1937)	1:58:A:THR:HG23	1:62:A:ARG:HG3	2	0.59	0.18	0.59
(3,312)	1:101:A:GLU:HB2	1:102:A:ALA:H	2	0.49	0.06	0.49
(3,312)	1:101:A:GLU:HB3	1:102:A:ALA:H	2	0.49	0.06	0.49
(3,1213)	1:94:A:ILE:HD11	1:139:A:PHE:HA	2	0.49	0.03	0.49
(3,1213)	1:94:A:ILE:HD12	1:139:A:PHE:HA	2	0.49	0.03	0.49
(3,1213)	1:94:A:ILE:HD13	1:139:A:PHE:HA	2	0.49	0.03	0.49
(3,1787)	1:21:A:LEU:HD21	1:25:A:GLU:HB2	2	0.48	0.05	0.48
(3,1787)	1:21:A:LEU:HD21	1:25:A:GLU:HB3	2	0.48	0.05	0.48
(3,1787)	1:21:A:LEU:HD22	1:25:A:GLU:HB2	2	0.48	0.05	0.48
(3,1787)	1:21:A:LEU:HD22	1:25:A:GLU:HB3	2	0.48	0.05	0.48
(3,1787)	1:21:A:LEU:HD23	1:25:A:GLU:HB2	2	0.48	0.05	0.48
(3,1787)	1:21:A:LEU:HD23	1:25:A:GLU:HB3	2	0.48	0.05	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,202)	1:122:A:GLU:HA	1:127:A:LEU:H	2	0.48	0.27	0.48
(3,1494)	1:16:A:LEU:HD21	1:17:A:ASP:HA	2	0.47	0.07	0.47
(3,1494)	1:16:A:LEU:HD22	1:17:A:ASP:HA	2	0.47	0.07	0.47
(3,1494)	1:16:A:LEU:HD23	1:17:A:ASP:HA	2	0.47	0.07	0.47
(3,124)	1:67:A:LEU:H	1:132:A:TYR:HD1	2	0.42	0.3	0.42
(3,124)	1:67:A:LEU:H	1:132:A:TYR:HD2	2	0.42	0.3	0.42
(3,1926)	1:57:A:GLN:H	1:57:A:GLN:HG2	2	0.42	0.02	0.42
(3,1926)	1:57:A:GLN:H	1:57:A:GLN:HG3	2	0.42	0.02	0.42
(3,547)	1:78:A:LYS:H	1:78:A:LYS:HD2	2	0.4	0.26	0.4
(3,547)	1:78:A:LYS:H	1:78:A:LYS:HD3	2	0.4	0.26	0.4
(3,1373)	1:97:A:ALA:HB1	1:105:A:VAL:HG11	2	0.39	0.23	0.39
(3,1373)	1:97:A:ALA:HB1	1:105:A:VAL:HG12	2	0.39	0.23	0.39
(3,1373)	1:97:A:ALA:HB1	1:105:A:VAL:HG13	2	0.39	0.23	0.39
(3,1373)	1:97:A:ALA:HB2	1:105:A:VAL:HG11	2	0.39	0.23	0.39
(3,1373)	1:97:A:ALA:HB2	1:105:A:VAL:HG12	2	0.39	0.23	0.39
(3,1373)	1:97:A:ALA:HB2	1:105:A:VAL:HG13	2	0.39	0.23	0.39
(3,1373)	1:97:A:ALA:HB3	1:105:A:VAL:HG11	2	0.39	0.23	0.39
(3,1373)	1:97:A:ALA:HB3	1:105:A:VAL:HG12	2	0.39	0.23	0.39
(3,1373)	1:97:A:ALA:HB3	1:105:A:VAL:HG13	2	0.39	0.23	0.39
(3,1232)	1:120:A:GLU:HA	1:123:A:ASP:H	2	0.38	0.06	0.38
(3,1025)	1:22:A:THR:HB	1:23:A:ASP:H	2	0.37	0.06	0.37
(3,1770)	1:16:A:LEU:HD21	1:17:A:ASP:HB2	2	0.36	0.12	0.36
(3,1770)	1:16:A:LEU:HD21	1:17:A:ASP:HB3	2	0.36	0.12	0.36
(3,1770)	1:16:A:LEU:HD22	1:17:A:ASP:HB2	2	0.36	0.12	0.36
(3,1770)	1:16:A:LEU:HD22	1:17:A:ASP:HB3	2	0.36	0.12	0.36
(3,1770)	1:16:A:LEU:HD23	1:17:A:ASP:HB2	2	0.36	0.12	0.36
(3,1770)	1:16:A:LEU:HD23	1:17:A:ASP:HB3	2	0.36	0.12	0.36
(3,1723)	1:8:A:ASP:H	1:39:A:SER:HB2	2	0.36	0.04	0.36
(3,1723)	1:8:A:ASP:H	1:39:A:SER:HB3	2	0.36	0.04	0.36
(3,1414)	1:110:A:LEU:HA	1:134:A:THR:HG21	2	0.34	0.18	0.34
(3,1414)	1:110:A:LEU:HA	1:134:A:THR:HG22	2	0.34	0.18	0.34
(3,1414)	1:110:A:LEU:HA	1:134:A:THR:HG23	2	0.34	0.18	0.34
(3,1281)	1:22:A:THR:HB	1:23:A:ASP:HB2	2	0.32	0.23	0.32
(3,1281)	1:22:A:THR:HB	1:23:A:ASP:HB3	2	0.32	0.23	0.32
(3,1984)	1:68:A:VAL:HG21	1:70:A:LEU:HB2	2	0.32	0.06	0.32
(3,1984)	1:68:A:VAL:HG21	1:70:A:LEU:HB3	2	0.32	0.06	0.32
(3,1984)	1:68:A:VAL:HG22	1:70:A:LEU:HB2	2	0.32	0.06	0.32
(3,1984)	1:68:A:VAL:HG22	1:70:A:LEU:HB3	2	0.32	0.06	0.32
(3,1984)	1:68:A:VAL:HG23	1:70:A:LEU:HB2	2	0.32	0.06	0.32
(3,1984)	1:68:A:VAL:HG23	1:70:A:LEU:HB3	2	0.32	0.06	0.32
(3,1830)	1:32:A:ARG:HD2	1:36:A:VAL:HG21	2	0.32	0.09	0.32
(3,1830)	1:32:A:ARG:HD2	1:36:A:VAL:HG22	2	0.32	0.09	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1830)	1:32:A:ARG:HD2	1:36:A:VAL:HG23	2	0.32	0.09	0.32
(3,1830)	1:32:A:ARG:HD3	1:36:A:VAL:HG21	2	0.32	0.09	0.32
(3,1830)	1:32:A:ARG:HD3	1:36:A:VAL:HG22	2	0.32	0.09	0.32
(3,1830)	1:32:A:ARG:HD3	1:36:A:VAL:HG23	2	0.32	0.09	0.32
(3,2200)	1:143:A:LEU:H	1:145:A:LYS:HB2	2	0.31	0.19	0.31
(3,2200)	1:143:A:LEU:H	1:145:A:LYS:HB3	2	0.31	0.19	0.31
(3,1730)	1:9:A:LYS:H	1:9:A:LYS:HG2	2	0.3	0.05	0.3
(3,1730)	1:9:A:LYS:H	1:9:A:LYS:HG3	2	0.3	0.05	0.3
(3,1556)	1:67:A:LEU:HD11	1:135:A:THR:HG21	2	0.3	0.19	0.3
(3,1556)	1:67:A:LEU:HD11	1:135:A:THR:HG22	2	0.3	0.19	0.3
(3,1556)	1:67:A:LEU:HD11	1:135:A:THR:HG23	2	0.3	0.19	0.3
(3,1556)	1:67:A:LEU:HD12	1:135:A:THR:HG21	2	0.3	0.19	0.3
(3,1556)	1:67:A:LEU:HD12	1:135:A:THR:HG22	2	0.3	0.19	0.3
(3,1556)	1:67:A:LEU:HD12	1:135:A:THR:HG23	2	0.3	0.19	0.3
(3,1556)	1:67:A:LEU:HD13	1:135:A:THR:HG21	2	0.3	0.19	0.3
(3,1556)	1:67:A:LEU:HD13	1:135:A:THR:HG22	2	0.3	0.19	0.3
(3,1556)	1:67:A:LEU:HD13	1:135:A:THR:HG23	2	0.3	0.19	0.3
(3,2146)	1:120:A:GLU:HA	1:123:A:ASP:HB2	2	0.29	0.04	0.29
(3,2146)	1:120:A:GLU:HA	1:123:A:ASP:HB3	2	0.29	0.04	0.29
(3,2197)	1:140:A:LEU:HB2	1:144:A:ALA:H	2	0.29	0.16	0.29
(3,2197)	1:140:A:LEU:HB3	1:144:A:ALA:H	2	0.29	0.16	0.29
(3,1124)	1:6:A:ILE:HD11	1:116:A:LEU:HA	2	0.28	0.16	0.28
(3,1124)	1:6:A:ILE:HD12	1:116:A:LEU:HA	2	0.28	0.16	0.28
(3,1124)	1:6:A:ILE:HD13	1:116:A:LEU:HA	2	0.28	0.16	0.28
(3,1635)	1:110:A:LEU:HD11	1:136:A:LYS:H	2	0.27	0.01	0.27
(3,1635)	1:110:A:LEU:HD12	1:136:A:LYS:H	2	0.27	0.01	0.27
(3,1635)	1:110:A:LEU:HD13	1:136:A:LYS:H	2	0.27	0.01	0.27
(3,990)	1:5:A:THR:H	1:8:A:ASP:HA	2	0.26	0.04	0.26
(3,1713)	1:7:A:GLY:H	1:113:A:LEU:HB2	2	0.26	0.16	0.26
(3,1713)	1:7:A:GLY:H	1:113:A:LEU:HB3	2	0.26	0.16	0.26
(4,7)	1:107:A:VAL:N	1:130:A:GLU:O	2	0.26	0.12	0.26
(3,632)	1:110:A:LEU:HG	1:111:A:ASN:H	2	0.25	0.06	0.25
(3,1318)	1:62:A:ARG:HA	1:62:A:ARG:HD2	2	0.25	0.12	0.25
(3,1362)	1:94:A:ILE:HG21	1:139:A:PHE:HA	2	0.25	0.01	0.25
(3,1362)	1:94:A:ILE:HG22	1:139:A:PHE:HA	2	0.25	0.01	0.25
(3,1362)	1:94:A:ILE:HG23	1:139:A:PHE:HA	2	0.25	0.01	0.25
(3,718)	1:22:A:THR:H	1:26:A:LEU:H	2	0.24	0.04	0.24
(3,772)	1:34:A:ARG:H	1:36:A:VAL:H	2	0.24	0.1	0.24
(4,8)	1:107:A:VAL:H	1:130:A:GLU:O	2	0.24	0.12	0.24
(3,34)	1:99:A:ASP:H	1:104:A:VAL:HB	2	0.23	0.11	0.23
(3,701)	1:122:A:GLU:HA	1:125:A:THR:H	2	0.23	0.11	0.23
(3,1554)	1:20:A:LEU:HA	1:50:A:LEU:HD21	2	0.22	0.01	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1554)	1:20:A:LEU:HA	1:50:A:LEU:HD22	2	0.22	0.01	0.22
(3,1554)	1:20:A:LEU:HA	1:50:A:LEU:HD23	2	0.22	0.01	0.22
(3,437)	1:121:A:VAL:HA	1:124:A:LEU:H	2	0.22	0.08	0.22
(3,1215)	1:59:A:ILE:HB	1:65:A:ILE:HD11	2	0.22	0.11	0.22
(3,1215)	1:59:A:ILE:HB	1:65:A:ILE:HD12	2	0.22	0.11	0.22
(3,1215)	1:59:A:ILE:HB	1:65:A:ILE:HD13	2	0.22	0.11	0.22
(3,341)	1:61:A:ASP:H	1:64:A:GLY:H	2	0.21	0.05	0.21
(3,1189)	1:50:A:LEU:HA	1:55:A:ILE:HD11	2	0.2	0.08	0.2
(3,1189)	1:50:A:LEU:HA	1:55:A:ILE:HD12	2	0.2	0.08	0.2
(3,1189)	1:50:A:LEU:HA	1:55:A:ILE:HD13	2	0.2	0.08	0.2
(3,1953)	1:60:A:GLU:HG2	1:65:A:ILE:H	2	0.2	0.08	0.2
(3,1953)	1:60:A:GLU:HG3	1:65:A:ILE:H	2	0.2	0.08	0.2
(3,894)	1:123:A:ASP:H	1:125:A:THR:H	2	0.2	0.0	0.2
(3,2070)	1:95:A:PRO:HB2	1:97:A:ALA:H	2	0.2	0.06	0.2
(3,2070)	1:95:A:PRO:HB3	1:97:A:ALA:H	2	0.2	0.06	0.2
(3,45)	1:3:A:VAL:HB	1:4:A:LEU:H	2	0.2	0.01	0.2
(3,2161)	1:122:A:GLU:HG2	1:128:A:VAL:HA	2	0.2	0.08	0.2
(3,2161)	1:122:A:GLU:HG3	1:128:A:VAL:HA	2	0.2	0.08	0.2
(3,212)	1:123:A:ASP:H	1:124:A:LEU:HD11	2	0.19	0.03	0.19
(3,212)	1:123:A:ASP:H	1:124:A:LEU:HD12	2	0.19	0.03	0.19
(3,212)	1:123:A:ASP:H	1:124:A:LEU:HD13	2	0.19	0.03	0.19
(3,927)	1:145:A:LYS:H	1:147:A:TYR:H	2	0.19	0.06	0.19
(3,1706)	1:6:A:ILE:HB	1:116:A:LEU:HB2	2	0.19	0.0	0.19
(3,1706)	1:6:A:ILE:HB	1:116:A:LEU:HB3	2	0.19	0.0	0.19
(3,203)	1:127:A:LEU:H	1:127:A:LEU:HG	2	0.18	0.01	0.18
(3,948)	1:71:A:HIS:HA	1:73:A:VAL:H	2	0.18	0.05	0.18
(3,983)	1:40:A:LEU:H	1:43:A:VAL:H	2	0.18	0.07	0.18
(3,1304)	1:55:A:ILE:HG21	1:59:A:ILE:HB	2	0.18	0.01	0.18
(3,1304)	1:55:A:ILE:HG22	1:59:A:ILE:HB	2	0.18	0.01	0.18
(3,1304)	1:55:A:ILE:HG23	1:59:A:ILE:HB	2	0.18	0.01	0.18
(3,1579)	1:79:A:VAL:HG11	1:98:A:LEU:H	2	0.18	0.08	0.18
(3,1579)	1:79:A:VAL:HG12	1:98:A:LEU:H	2	0.18	0.08	0.18
(3,1579)	1:79:A:VAL:HG13	1:98:A:LEU:H	2	0.18	0.08	0.18
(3,649)	1:22:A:THR:H	1:25:A:GLU:HG2	2	0.16	0.04	0.16
(3,649)	1:22:A:THR:H	1:25:A:GLU:HG3	2	0.16	0.04	0.16
(3,981)	1:33:A:HIS:HA	1:38:A:GLY:H	2	0.16	0.01	0.16
(3,179)	1:51:A:SER:HB2	1:52:A:GLU:H	2	0.16	0.04	0.16
(3,2116)	1:111:A:ASN:H	1:111:A:ASN:HD21	2	0.16	0.04	0.16
(3,2116)	1:111:A:ASN:H	1:111:A:ASN:HD22	2	0.16	0.04	0.16
(3,225)	1:31:A:GLU:H	1:31:A:GLU:HG3	2	0.16	0.01	0.16
(3,383)	1:79:A:VAL:HB	1:80:A:LYS:H	2	0.16	0.03	0.16
(3,1471)	1:83:A:LEU:HG	1:88:A:ALA:HB1	2	0.16	0.06	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,1471)	1:83:A:LEU:HG	1:88:A:ALA:HB2	2	0.16	0.06	0.16
(3,1471)	1:83:A:LEU:HG	1:88:A:ALA:HB3	2	0.16	0.06	0.16
(3,362)	1:32:A:ARG:HA	1:34:A:ARG:H	2	0.16	0.02	0.16
(3,687)	1:19:A:GLY:H	1:21:A:LEU:H	2	0.16	0.04	0.16
(3,493)	1:20:A:LEU:HD11	1:58:A:THR:H	2	0.15	0.03	0.15
(3,493)	1:20:A:LEU:HD12	1:58:A:THR:H	2	0.15	0.03	0.15
(3,493)	1:20:A:LEU:HD13	1:58:A:THR:H	2	0.15	0.03	0.15
(3,924)	1:143:A:LEU:H	1:143:A:LEU:HD21	2	0.15	0.02	0.15
(3,924)	1:143:A:LEU:H	1:143:A:LEU:HD22	2	0.15	0.02	0.15
(3,924)	1:143:A:LEU:H	1:143:A:LEU:HD23	2	0.15	0.02	0.15
(3,1954)	1:60:A:GLU:HG2	1:66:A:PRO:HA	2	0.15	0.04	0.15
(3,1954)	1:60:A:GLU:HG3	1:66:A:PRO:HA	2	0.15	0.04	0.15
(3,172)	1:13:A:ALA:HB1	1:17:A:ASP:H	2	0.14	0.02	0.14
(3,172)	1:13:A:ALA:HB2	1:17:A:ASP:H	2	0.14	0.02	0.14
(3,172)	1:13:A:ALA:HB3	1:17:A:ASP:H	2	0.14	0.02	0.14
(3,843)	1:87:A:LYS:H	1:89:A:LYS:H	2	0.14	0.02	0.14
(3,2082)	1:98:A:LEU:HB2	1:106:A:ARG:H	2	0.14	0.02	0.14
(3,2082)	1:98:A:LEU:HB3	1:106:A:ARG:H	2	0.14	0.02	0.14
(3,467)	1:78:A:LYS:HB3	1:79:A:VAL:H	2	0.14	0.02	0.14
(3,730)	1:14:A:ALA:HB1	1:18:A:ALA:H	2	0.13	0.02	0.13
(3,730)	1:14:A:ALA:HB2	1:18:A:ALA:H	2	0.13	0.02	0.13
(3,730)	1:14:A:ALA:HB3	1:18:A:ALA:H	2	0.13	0.02	0.13
(3,1748)	1:11:A:LEU:HB2	1:113:A:LEU:HD21	2	0.13	0.02	0.13
(3,1748)	1:11:A:LEU:HB2	1:113:A:LEU:HD22	2	0.13	0.02	0.13
(3,1748)	1:11:A:LEU:HB2	1:113:A:LEU:HD23	2	0.13	0.02	0.13
(3,1748)	1:11:A:LEU:HB3	1:113:A:LEU:HD21	2	0.13	0.02	0.13
(3,1748)	1:11:A:LEU:HB3	1:113:A:LEU:HD22	2	0.13	0.02	0.13
(3,1748)	1:11:A:LEU:HB3	1:113:A:LEU:HD23	2	0.13	0.02	0.13
(3,1912)	1:51:A:SER:HB2	1:52:A:GLU:H	2	0.13	0.03	0.13
(3,1912)	1:51:A:SER:HB3	1:52:A:GLU:H	2	0.13	0.03	0.13
(3,589)	1:96:A:PHE:H	1:106:A:ARG:HA	2	0.12	0.02	0.12
(3,1695)	1:150:A:LEU:HA	1:150:A:LEU:HD21	2	0.12	0.02	0.12
(3,1695)	1:150:A:LEU:HA	1:150:A:LEU:HD22	2	0.12	0.02	0.12
(3,1695)	1:150:A:LEU:HA	1:150:A:LEU:HD23	2	0.12	0.02	0.12
(3,1696)	1:4:A:LEU:H	1:8:A:ASP:HB2	2	0.12	0.02	0.12
(3,1696)	1:4:A:LEU:H	1:8:A:ASP:HB3	2	0.12	0.02	0.12
(4,17)	1:94:A:ILE:N	1:108:A:ALA:O	2	0.12	0.02	0.12
(3,1061)	1:51:A:SER:HB3	1:52:A:GLU:H	2	0.12	0.0	0.12
(3,1878)	1:45:A:VAL:H	1:46:A:ASP:HB2	2	0.12	0.0	0.12
(3,1878)	1:45:A:VAL:H	1:46:A:ASP:HB3	2	0.12	0.0	0.12
(3,677)	1:103:A:GLY:H	1:104:A:VAL:HG11	2	0.12	0.0	0.12
(3,677)	1:103:A:GLY:H	1:104:A:VAL:HG12	2	0.12	0.0	0.12

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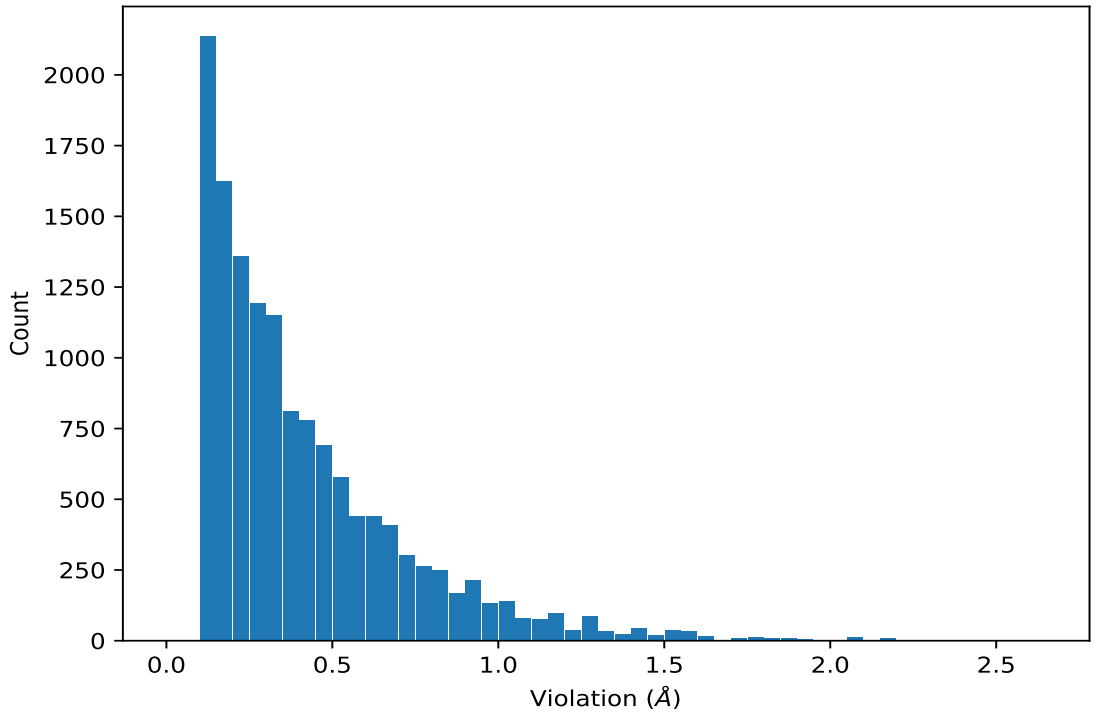
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,677)	1:103:A:GLY:H	1:104:A:VAL:HG13	2	0.12	0.0	0.12
(3,677)	1:103:A:GLY:H	1:104:A:VAL:HG21	2	0.12	0.0	0.12
(3,677)	1:103:A:GLY:H	1:104:A:VAL:HG22	2	0.12	0.0	0.12
(3,677)	1:103:A:GLY:H	1:104:A:VAL:HG23	2	0.12	0.0	0.12

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

9.5 All violated distance restraints

9.5.1 Histogram : Distribution of distance violations

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



9.5.2 Table : All distance violations

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,666)	1:59:A:ILE:HB	1:133:A:GLN:HE21	5	2.63
(3,666)	1:59:A:ILE:HB	1:133:A:GLN:HE21	7	2.55
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD2	7	2.47
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD3	7	2.47
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD11	16	2.4
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD12	16	2.4
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD13	16	2.4
(3,896)	1:83:A:LEU:HD21	1:125:A:THR:H	13	2.18
(3,896)	1:83:A:LEU:HD22	1:125:A:THR:H	13	2.18
(3,896)	1:83:A:LEU:HD23	1:125:A:THR:H	13	2.18
(3,666)	1:59:A:ILE:HB	1:133:A:GLN:HE21	14	2.18
(3,896)	1:83:A:LEU:HD21	1:125:A:THR:H	12	2.16
(3,896)	1:83:A:LEU:HD22	1:125:A:THR:H	12	2.16
(3,896)	1:83:A:LEU:HD23	1:125:A:THR:H	12	2.16
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD11	11	2.15
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD12	11	2.15
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD13	11	2.15
(3,896)	1:83:A:LEU:HD21	1:125:A:THR:H	17	2.12
(3,896)	1:83:A:LEU:HD22	1:125:A:THR:H	17	2.12
(3,896)	1:83:A:LEU:HD23	1:125:A:THR:H	17	2.12
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG21	3	2.09
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG22	3	2.09
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG23	3	2.09
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG21	3	2.09
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG22	3	2.09
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG23	3	2.09
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG21	3	2.09
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG22	3	2.09
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG23	3	2.09
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD11	9	2.07
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD12	9	2.07
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD13	9	2.07
(3,666)	1:59:A:ILE:HB	1:133:A:GLN:HE21	2	2.03
(3,670)	1:59:A:ILE:HB	1:133:A:GLN:HE22	5	2.0
(3,896)	1:83:A:LEU:HD21	1:125:A:THR:H	16	1.96
(3,896)	1:83:A:LEU:HD22	1:125:A:THR:H	16	1.96
(3,896)	1:83:A:LEU:HD23	1:125:A:THR:H	16	1.96
(4,12)	1:52:A:GLU:OE2	1:136:A:LYS:H	10	1.9
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE21	19	1.9
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE22	19	1.9
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE21	19	1.9
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE22	19	1.9
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE21	19	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE22	19	1.9
(3,896)	1:83:A:LEU:HD21	1:125:A:THR:H	8	1.89
(3,896)	1:83:A:LEU:HD22	1:125:A:THR:H	8	1.89
(3,896)	1:83:A:LEU:HD23	1:125:A:THR:H	8	1.89
(3,666)	1:59:A:ILE:HB	1:133:A:GLN:HE21	13	1.88
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD11	1	1.86
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD12	1	1.86
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD13	1	1.86
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD11	3	1.86
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD12	3	1.86
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD13	3	1.86
(3,140)	1:144:A:ALA:HA	1:152:A:LEU:H	14	1.82
(3,1320)	1:6:A:ILE:HG21	1:115:A:THR:HB	6	1.81
(3,1320)	1:6:A:ILE:HG22	1:115:A:THR:HB	6	1.81
(3,1320)	1:6:A:ILE:HG23	1:115:A:THR:HB	6	1.81
(3,896)	1:83:A:LEU:HD21	1:125:A:THR:H	11	1.81
(3,896)	1:83:A:LEU:HD22	1:125:A:THR:H	11	1.81
(3,896)	1:83:A:LEU:HD23	1:125:A:THR:H	11	1.81
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD11	19	1.8
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD12	19	1.8
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD13	19	1.8
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE21	13	1.79
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE22	13	1.79
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE21	13	1.79
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE22	13	1.79
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE21	13	1.79
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE22	13	1.79
(4,11)	1:52:A:GLU:OE2	1:136:A:LYS:N	10	1.78
(3,912)	1:56:A:ALA:HA	1:133:A:GLN:HE21	7	1.76
(3,146)	1:150:A:LEU:HD11	1:152:A:LEU:H	7	1.75
(3,146)	1:150:A:LEU:HD12	1:152:A:LEU:H	7	1.75
(3,146)	1:150:A:LEU:HD13	1:152:A:LEU:H	7	1.75
(4,22)	1:5:A:THR:H	1:8:A:ASP:OD2	19	1.72
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD11	15	1.72
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD12	15	1.72
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD13	15	1.72
(3,1324)	1:6:A:ILE:HG21	1:115:A:THR:HA	1	1.71
(3,1324)	1:6:A:ILE:HG22	1:115:A:THR:HA	1	1.71
(3,1324)	1:6:A:ILE:HG23	1:115:A:THR:HA	1	1.71
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD11	6	1.7
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD12	6	1.7
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD13	6	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,912)	1:56:A:ALA:HA	1:133:A:GLN:HE21	5	1.65
(4,21)	1:5:A:THR:N	1:8:A:ASP:OD2	19	1.64
(3,1853)	1:39:A:SER:HA	1:111:A:ASN:HD21	2	1.63
(3,1853)	1:39:A:SER:HA	1:111:A:ASN:HD22	2	1.63
(3,1099)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	7	1.62
(3,1099)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	7	1.62
(3,1099)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	7	1.62
(3,2111)	1:110:A:LEU:HB2	1:111:A:ASN:HD21	5	1.61
(3,2111)	1:110:A:LEU:HB2	1:111:A:ASN:HD22	5	1.61
(3,2111)	1:110:A:LEU:HB3	1:111:A:ASN:HD21	5	1.61
(3,2111)	1:110:A:LEU:HB3	1:111:A:ASN:HD22	5	1.61
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA2	16	1.6
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA3	16	1.6
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA2	16	1.6
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA3	16	1.6
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA2	16	1.6
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA3	16	1.6
(3,666)	1:59:A:ILE:HB	1:133:A:GLN:HE21	1	1.6
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE21	18	1.59
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE22	18	1.59
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE21	18	1.59
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE22	18	1.59
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE21	18	1.59
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE22	18	1.59
(4,22)	1:5:A:THR:H	1:8:A:ASP:OD2	9	1.58
(3,1615)	1:105:A:VAL:HG11	1:127:A:LEU:HG	20	1.58
(3,1615)	1:105:A:VAL:HG12	1:127:A:LEU:HG	20	1.58
(3,1615)	1:105:A:VAL:HG13	1:127:A:LEU:HG	20	1.58
(3,1320)	1:6:A:ILE:HG21	1:115:A:THR:HB	1	1.58
(3,1320)	1:6:A:ILE:HG22	1:115:A:THR:HB	1	1.58
(3,1320)	1:6:A:ILE:HG23	1:115:A:THR:HB	1	1.58
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE1	2	1.58
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE2	2	1.58
(4,21)	1:5:A:THR:N	1:8:A:ASP:OD2	9	1.56
(3,710)	1:7:A:GLY:H	1:115:A:THR:HB	6	1.56
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE1	18	1.56
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE2	18	1.56
(3,22)	1:122:A:GLU:HA	1:129:A:VAL:H	12	1.56
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA2	6	1.55
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA3	6	1.55
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA2	6	1.55
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA3	6	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA2	6	1.55
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA3	6	1.55
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA2	11	1.55
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA3	11	1.55
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA2	11	1.55
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA3	11	1.55
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA2	11	1.55
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA3	11	1.55
(3,1099)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	5	1.55
(3,1099)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	5	1.55
(3,1099)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	5	1.55
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD11	7	1.54
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD12	7	1.54
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD13	7	1.54
(3,1758)	1:14:A:ALA:HB1	1:62:A:ARG:HD2	7	1.53
(3,1758)	1:14:A:ALA:HB1	1:62:A:ARG:HD3	7	1.53
(3,1758)	1:14:A:ALA:HB2	1:62:A:ARG:HD2	7	1.53
(3,1758)	1:14:A:ALA:HB2	1:62:A:ARG:HD3	7	1.53
(3,1758)	1:14:A:ALA:HB3	1:62:A:ARG:HD2	7	1.53
(3,1758)	1:14:A:ALA:HB3	1:62:A:ARG:HD3	7	1.53
(3,670)	1:59:A:ILE:HB	1:133:A:GLN:HE22	1	1.53
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE21	20	1.52
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE22	20	1.52
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE21	20	1.52
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE22	20	1.52
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE21	20	1.52
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE22	20	1.52
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	5	1.51
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE22	5	1.51
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	5	1.51
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE22	5	1.51
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	5	1.51
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE22	5	1.51
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA2	9	1.51
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA3	9	1.51
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA2	9	1.51
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA3	9	1.51
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA2	9	1.51
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA3	9	1.51
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD11	5	1.51
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD12	5	1.51
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD13	5	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,12)	1:52:A:GLU:OE2	1:136:A:LYS:H	8	1.5
(3,1235)	1:83:A:LEU:HD21	1:121:A:VAL:HA	11	1.5
(3,1235)	1:83:A:LEU:HD22	1:121:A:VAL:HA	11	1.5
(3,1235)	1:83:A:LEU:HD23	1:121:A:VAL:HA	11	1.5
(3,673)	1:59:A:ILE:HG21	1:133:A:GLN:HE22	5	1.5
(3,673)	1:59:A:ILE:HG22	1:133:A:GLN:HE22	5	1.5
(3,673)	1:59:A:ILE:HG23	1:133:A:GLN:HE22	5	1.5
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD2	18	1.49
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD3	18	1.49
(3,2216)	1:150:A:LEU:HD11	1:153:A:PRO:HD2	3	1.48
(3,2216)	1:150:A:LEU:HD11	1:153:A:PRO:HD3	3	1.48
(3,2216)	1:150:A:LEU:HD12	1:153:A:PRO:HD2	3	1.48
(3,2216)	1:150:A:LEU:HD12	1:153:A:PRO:HD3	3	1.48
(3,2216)	1:150:A:LEU:HD13	1:153:A:PRO:HD2	3	1.48
(3,2216)	1:150:A:LEU:HD13	1:153:A:PRO:HD3	3	1.48
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA2	5	1.48
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA3	5	1.48
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA2	5	1.48
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA3	5	1.48
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA2	5	1.48
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA3	5	1.48
(3,1324)	1:6:A:ILE:HG21	1:115:A:THR:HA	7	1.48
(3,1324)	1:6:A:ILE:HG22	1:115:A:THR:HA	7	1.48
(3,1324)	1:6:A:ILE:HG23	1:115:A:THR:HA	7	1.48
(3,625)	1:110:A:LEU:HG	1:135:A:THR:H	17	1.46
(3,146)	1:150:A:LEU:HD11	1:152:A:LEU:H	16	1.46
(3,146)	1:150:A:LEU:HD12	1:152:A:LEU:H	16	1.46
(3,146)	1:150:A:LEU:HD13	1:152:A:LEU:H	16	1.46
(4,14)	1:109:A:PHE:O	1:134:A:THR:H	15	1.44
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD21	6	1.44
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD22	6	1.44
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD23	6	1.44
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD21	6	1.44
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD22	6	1.44
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD23	6	1.44
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD21	6	1.44
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD22	6	1.44
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD23	6	1.44
(3,146)	1:150:A:LEU:HD11	1:152:A:LEU:H	11	1.44
(3,146)	1:150:A:LEU:HD12	1:152:A:LEU:H	11	1.44
(3,146)	1:150:A:LEU:HD13	1:152:A:LEU:H	11	1.44
(3,2216)	1:150:A:LEU:HD11	1:153:A:PRO:HD2	2	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2216)	1:150:A:LEU:HD11	1:153:A:PRO:HD3	2	1.43
(3,2216)	1:150:A:LEU:HD12	1:153:A:PRO:HD2	2	1.43
(3,2216)	1:150:A:LEU:HD12	1:153:A:PRO:HD3	2	1.43
(3,2216)	1:150:A:LEU:HD13	1:153:A:PRO:HD2	2	1.43
(3,2216)	1:150:A:LEU:HD13	1:153:A:PRO:HD3	2	1.43
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE21	14	1.43
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE22	14	1.43
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE21	14	1.43
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE22	14	1.43
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE21	14	1.43
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE22	14	1.43
(3,912)	1:56:A:ALA:HA	1:133:A:GLN:HE21	14	1.43
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA2	7	1.42
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA3	7	1.42
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA2	7	1.42
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA3	7	1.42
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA2	7	1.42
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA3	7	1.42
(3,896)	1:83:A:LEU:HD21	1:125:A:THR:H	6	1.42
(3,896)	1:83:A:LEU:HD22	1:125:A:THR:H	6	1.42
(3,896)	1:83:A:LEU:HD23	1:125:A:THR:H	6	1.42
(3,2216)	1:150:A:LEU:HD11	1:153:A:PRO:HD2	7	1.4
(3,2216)	1:150:A:LEU:HD11	1:153:A:PRO:HD3	7	1.4
(3,2216)	1:150:A:LEU:HD12	1:153:A:PRO:HD2	7	1.4
(3,2216)	1:150:A:LEU:HD12	1:153:A:PRO:HD3	7	1.4
(3,2216)	1:150:A:LEU:HD13	1:153:A:PRO:HD2	7	1.4
(3,2216)	1:150:A:LEU:HD13	1:153:A:PRO:HD3	7	1.4
(3,896)	1:83:A:LEU:HD21	1:125:A:THR:H	20	1.4
(3,896)	1:83:A:LEU:HD22	1:125:A:THR:H	20	1.4
(3,896)	1:83:A:LEU:HD23	1:125:A:THR:H	20	1.4
(4,14)	1:109:A:PHE:O	1:134:A:THR:H	19	1.39
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA2	19	1.39
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA3	19	1.39
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA2	19	1.39
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA3	19	1.39
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA2	19	1.39
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA3	19	1.39
(3,22)	1:122:A:GLU:HA	1:129:A:VAL:H	16	1.38
(4,11)	1:52:A:GLU:OE2	1:136:A:LYS:N	8	1.37
(3,1924)	1:56:A:ALA:HA	1:133:A:GLN:HE21	1	1.36
(3,1924)	1:56:A:ALA:HA	1:133:A:GLN:HE22	1	1.36
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG2	6	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG3	6	1.36
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG2	6	1.36
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG3	6	1.36
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG2	6	1.36
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG3	6	1.36
(3,1615)	1:105:A:VAL:HG11	1:127:A:LEU:HG	14	1.35
(3,1615)	1:105:A:VAL:HG12	1:127:A:LEU:HG	14	1.35
(3,1615)	1:105:A:VAL:HG13	1:127:A:LEU:HG	14	1.35
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG12	18	1.35
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG13	18	1.35
(4,14)	1:109:A:PHE:O	1:134:A:THR:H	3	1.34
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG21	16	1.33
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG22	16	1.33
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG23	16	1.33
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG21	16	1.33
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG22	16	1.33
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG23	16	1.33
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG21	16	1.33
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG22	16	1.33
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG23	16	1.33
(3,1284)	1:31:A:GLU:HA	1:34:A:ARG:HD2	6	1.33
(3,1284)	1:31:A:GLU:HA	1:34:A:ARG:HD3	6	1.33
(3,146)	1:150:A:LEU:HD11	1:152:A:LEU:H	3	1.33
(3,146)	1:150:A:LEU:HD12	1:152:A:LEU:H	3	1.33
(3,146)	1:150:A:LEU:HD13	1:152:A:LEU:H	3	1.33
(3,1924)	1:56:A:ALA:HA	1:133:A:GLN:HE21	5	1.32
(3,1924)	1:56:A:ALA:HA	1:133:A:GLN:HE22	5	1.32
(3,1924)	1:56:A:ALA:HA	1:133:A:GLN:HE21	7	1.32
(3,1924)	1:56:A:ALA:HA	1:133:A:GLN:HE22	7	1.32
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD11	13	1.32
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD12	13	1.32
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD13	13	1.32
(3,1567)	1:70:A:LEU:HD11	1:134:A:THR:HB	15	1.32
(3,1567)	1:70:A:LEU:HD12	1:134:A:THR:HB	15	1.32
(3,1567)	1:70:A:LEU:HD13	1:134:A:THR:HB	15	1.32
(3,666)	1:59:A:ILE:HB	1:133:A:GLN:HE21	19	1.32
(3,1324)	1:6:A:ILE:HG21	1:115:A:THR:HA	16	1.3
(3,1324)	1:6:A:ILE:HG22	1:115:A:THR:HA	16	1.3
(3,1324)	1:6:A:ILE:HG23	1:115:A:THR:HA	16	1.3
(3,896)	1:83:A:LEU:HD21	1:125:A:THR:H	2	1.3
(3,896)	1:83:A:LEU:HD22	1:125:A:THR:H	2	1.3
(3,896)	1:83:A:LEU:HD23	1:125:A:THR:H	2	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE21	11	1.29
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE22	11	1.29
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE21	11	1.29
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE22	11	1.29
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE21	11	1.29
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE22	11	1.29
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA2	2	1.29
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA3	2	1.29
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA2	2	1.29
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA3	2	1.29
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA2	2	1.29
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA3	2	1.29
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA2	3	1.29
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA3	3	1.29
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA2	3	1.29
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA3	3	1.29
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA2	3	1.29
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA3	3	1.29
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG21	13	1.29
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG22	13	1.29
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG23	13	1.29
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG21	13	1.29
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG22	13	1.29
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG23	13	1.29
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG21	13	1.29
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG22	13	1.29
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG23	13	1.29
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG21	17	1.29
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG22	17	1.29
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG23	17	1.29
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG21	17	1.29
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG22	17	1.29
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG23	17	1.29
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG21	17	1.29
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG22	17	1.29
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG23	17	1.29
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE1	13	1.29
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE2	13	1.29
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG2	13	1.28
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG3	13	1.28
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD2	12	1.28
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD3	12	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1320)	1:6:A:ILE:HG21	1:115:A:THR:HB	7	1.28
(3,1320)	1:6:A:ILE:HG22	1:115:A:THR:HB	7	1.28
(3,1320)	1:6:A:ILE:HG23	1:115:A:THR:HB	7	1.28
(3,896)	1:83:A:LEU:HD21	1:125:A:THR:H	18	1.28
(3,896)	1:83:A:LEU:HD22	1:125:A:THR:H	18	1.28
(3,896)	1:83:A:LEU:HD23	1:125:A:THR:H	18	1.28
(4,14)	1:109:A:PHE:O	1:134:A:THR:H	6	1.27
(3,670)	1:59:A:ILE:HB	1:133:A:GLN:HE22	7	1.27
(3,1235)	1:83:A:LEU:HD21	1:121:A:VAL:HA	13	1.26
(3,1235)	1:83:A:LEU:HD22	1:121:A:VAL:HA	13	1.26
(3,1235)	1:83:A:LEU:HD23	1:121:A:VAL:HA	13	1.26
(3,1099)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	9	1.26
(3,1099)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	9	1.26
(3,1099)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	9	1.26
(3,933)	1:91:A:LEU:HD11	1:120:A:GLU:H	2	1.26
(3,933)	1:91:A:LEU:HD12	1:120:A:GLU:H	2	1.26
(3,933)	1:91:A:LEU:HD13	1:120:A:GLU:H	2	1.26
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD21	20	1.26
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD22	20	1.26
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD23	20	1.26
(3,205)	1:105:A:VAL:HG11	1:127:A:LEU:H	20	1.26
(3,205)	1:105:A:VAL:HG12	1:127:A:LEU:H	20	1.26
(3,205)	1:105:A:VAL:HG13	1:127:A:LEU:H	20	1.26
(3,2111)	1:110:A:LEU:HB2	1:111:A:ASN:HD21	4	1.25
(3,2111)	1:110:A:LEU:HB2	1:111:A:ASN:HD22	4	1.25
(3,2111)	1:110:A:LEU:HB3	1:111:A:ASN:HD21	4	1.25
(3,2111)	1:110:A:LEU:HB3	1:111:A:ASN:HD22	4	1.25
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD2	17	1.25
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD3	17	1.25
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG21	6	1.25
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG22	6	1.25
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG23	6	1.25
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG21	6	1.25
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG22	6	1.25
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG23	6	1.25
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG21	6	1.25
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG22	6	1.25
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG23	6	1.25
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG21	6	1.25
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG22	6	1.25
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG23	6	1.25
(3,912)	1:56:A:ALA:HA	1:133:A:GLN:HE21	1	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE1	12	1.25
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE2	12	1.25
(4,14)	1:109:A:PHE:O	1:134:A:THR:H	1	1.24
(3,146)	1:150:A:LEU:HD11	1:152:A:LEU:H	6	1.24
(3,146)	1:150:A:LEU:HD12	1:152:A:LEU:H	6	1.24
(3,146)	1:150:A:LEU:HD13	1:152:A:LEU:H	6	1.24
(3,1940)	1:59:A:ILE:H	1:133:A:GLN:HE21	1	1.23
(3,1940)	1:59:A:ILE:H	1:133:A:GLN:HE22	1	1.23
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG2	12	1.23
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG3	12	1.23
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD2	5	1.23
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD3	5	1.23
(3,1235)	1:83:A:LEU:HD21	1:121:A:VAL:HA	17	1.23
(3,1235)	1:83:A:LEU:HD22	1:121:A:VAL:HA	17	1.23
(3,1235)	1:83:A:LEU:HD23	1:121:A:VAL:HA	17	1.23
(3,896)	1:83:A:LEU:HD21	1:125:A:THR:H	9	1.23
(3,896)	1:83:A:LEU:HD22	1:125:A:THR:H	9	1.23
(3,896)	1:83:A:LEU:HD23	1:125:A:THR:H	9	1.23
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB2	8	1.22
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB3	8	1.22
(3,1324)	1:6:A:ILE:HG21	1:115:A:THR:HA	17	1.22
(3,1324)	1:6:A:ILE:HG22	1:115:A:THR:HA	17	1.22
(3,1324)	1:6:A:ILE:HG23	1:115:A:THR:HA	17	1.22
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD11	12	1.22
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD12	12	1.22
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD13	12	1.22
(3,896)	1:83:A:LEU:HD21	1:125:A:THR:H	10	1.22
(3,896)	1:83:A:LEU:HD22	1:125:A:THR:H	10	1.22
(3,896)	1:83:A:LEU:HD23	1:125:A:THR:H	10	1.22
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD2	13	1.21
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD3	13	1.21
(3,22)	1:122:A:GLU:HA	1:129:A:VAL:H	1	1.21
(3,2111)	1:110:A:LEU:HB2	1:111:A:ASN:HD21	19	1.2
(3,2111)	1:110:A:LEU:HB2	1:111:A:ASN:HD22	19	1.2
(3,2111)	1:110:A:LEU:HB3	1:111:A:ASN:HD21	19	1.2
(3,2111)	1:110:A:LEU:HB3	1:111:A:ASN:HD22	19	1.2
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE1	3	1.2
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE2	3	1.2
(3,2052)	1:90:A:GLU:HG2	1:91:A:LEU:HB2	11	1.19
(3,2052)	1:90:A:GLU:HG2	1:91:A:LEU:HB3	11	1.19
(3,2052)	1:90:A:GLU:HG3	1:91:A:LEU:HB2	11	1.19
(3,2052)	1:90:A:GLU:HG3	1:91:A:LEU:HB3	11	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE1	18	1.19
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE2	18	1.19
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE1	18	1.19
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE2	18	1.19
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE1	18	1.19
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE2	18	1.19
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD11	6	1.19
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD12	6	1.19
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD13	6	1.19
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD11	6	1.19
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD12	6	1.19
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD13	6	1.19
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD11	6	1.19
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD12	6	1.19
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD13	6	1.19
(3,1099)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	14	1.19
(3,1099)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	14	1.19
(3,1099)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	14	1.19
(4,14)	1:109:A:PHE:O	1:134:A:THR:H	10	1.18
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB1	3	1.18
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB2	3	1.18
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB3	3	1.18
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB1	3	1.18
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB2	3	1.18
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB3	3	1.18
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB1	3	1.18
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB2	3	1.18
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB3	3	1.18
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG21	8	1.17
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG22	8	1.17
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG23	8	1.17
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG21	8	1.17
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG22	8	1.17
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG23	8	1.17
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG21	8	1.17
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG22	8	1.17
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG23	8	1.17
(3,1336)	1:88:A:ALA:HA	1:90:A:GLU:HG2	11	1.17
(3,1336)	1:88:A:ALA:HA	1:90:A:GLU:HG3	11	1.17
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG21	1	1.17
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG22	1	1.17
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG23	1	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG21	1	1.17
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG22	1	1.17
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG23	1	1.17
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG21	1	1.17
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG22	1	1.17
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG23	1	1.17
(3,22)	1:122:A:GLU:HA	1:129:A:VAL:H	17	1.17
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD11	8	1.16
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD12	8	1.16
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD13	8	1.16
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD11	2	1.16
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD12	2	1.16
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD13	2	1.16
(3,1235)	1:83:A:LEU:HD21	1:121:A:VAL:HA	16	1.16
(3,1235)	1:83:A:LEU:HD22	1:121:A:VAL:HA	16	1.16
(3,1235)	1:83:A:LEU:HD23	1:121:A:VAL:HA	16	1.16
(3,1233)	1:120:A:GLU:HA	1:123:A:ASP:HB2	7	1.16
(3,666)	1:59:A:ILE:HB	1:133:A:GLN:HE21	20	1.16
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD11	1	1.16
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD12	1	1.16
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD13	1	1.16
(3,1997)	1:73:A:VAL:HG21	1:96:A:PHE:HB2	2	1.15
(3,1997)	1:73:A:VAL:HG21	1:96:A:PHE:HB3	2	1.15
(3,1997)	1:73:A:VAL:HG22	1:96:A:PHE:HB2	2	1.15
(3,1997)	1:73:A:VAL:HG22	1:96:A:PHE:HB3	2	1.15
(3,1997)	1:73:A:VAL:HG23	1:96:A:PHE:HB2	2	1.15
(3,1997)	1:73:A:VAL:HG23	1:96:A:PHE:HB3	2	1.15
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD11	5	1.15
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD12	5	1.15
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD13	5	1.15
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD11	5	1.15
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD12	5	1.15
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD13	5	1.15
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD11	5	1.15
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD12	5	1.15
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD13	5	1.15
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG21	4	1.15
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG22	4	1.15
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG23	4	1.15
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG21	4	1.15
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG22	4	1.15
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG23	4	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG21	4	1.15
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG22	4	1.15
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG23	4	1.15
(3,1235)	1:83:A:LEU:HD21	1:121:A:VAL:HA	12	1.15
(3,1235)	1:83:A:LEU:HD22	1:121:A:VAL:HA	12	1.15
(3,1235)	1:83:A:LEU:HD23	1:121:A:VAL:HA	12	1.15
(3,896)	1:83:A:LEU:HD21	1:125:A:THR:H	19	1.15
(3,896)	1:83:A:LEU:HD22	1:125:A:THR:H	19	1.15
(3,896)	1:83:A:LEU:HD23	1:125:A:THR:H	19	1.15
(3,22)	1:122:A:GLU:HA	1:129:A:VAL:H	19	1.15
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG11	15	1.14
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG12	15	1.14
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG13	15	1.14
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG11	15	1.14
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG12	15	1.14
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG13	15	1.14
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG11	15	1.14
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG12	15	1.14
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG13	15	1.14
(3,989)	1:4:A:LEU:H	1:9:A:LYS:HE2	4	1.14
(3,989)	1:4:A:LEU:H	1:9:A:LYS:HE3	4	1.14
(3,625)	1:110:A:LEU:HG	1:135:A:THR:H	13	1.14
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE1	10	1.14
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE2	10	1.14
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG2	16	1.13
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG3	16	1.13
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG2	16	1.13
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG3	16	1.13
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG2	16	1.13
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG3	16	1.13
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD21	13	1.13
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD22	13	1.13
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD23	13	1.13
(3,933)	1:91:A:LEU:HD11	1:120:A:GLU:H	3	1.13
(3,933)	1:91:A:LEU:HD12	1:120:A:GLU:H	3	1.13
(3,933)	1:91:A:LEU:HD13	1:120:A:GLU:H	3	1.13
(3,933)	1:91:A:LEU:HD11	1:120:A:GLU:H	5	1.13
(3,933)	1:91:A:LEU:HD12	1:120:A:GLU:H	5	1.13
(3,933)	1:91:A:LEU:HD13	1:120:A:GLU:H	5	1.13
(3,896)	1:83:A:LEU:HD21	1:125:A:THR:H	15	1.13
(3,896)	1:83:A:LEU:HD22	1:125:A:THR:H	15	1.13
(3,896)	1:83:A:LEU:HD23	1:125:A:THR:H	15	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,670)	1:59:A:ILE:HB	1:133:A:GLN:HE22	14	1.13
(3,469)	1:83:A:LEU:HD11	1:87:A:LYS:H	17	1.13
(3,469)	1:83:A:LEU:HD12	1:87:A:LYS:H	17	1.13
(3,469)	1:83:A:LEU:HD13	1:87:A:LYS:H	17	1.13
(3,912)	1:56:A:ALA:HA	1:133:A:GLN:HE21	2	1.12
(3,643)	1:33:A:HIS:HA	1:37:A:GLY:H	20	1.12
(3,146)	1:150:A:LEU:HD11	1:152:A:LEU:H	19	1.12
(3,146)	1:150:A:LEU:HD12	1:152:A:LEU:H	19	1.12
(3,146)	1:150:A:LEU:HD13	1:152:A:LEU:H	19	1.12
(3,2216)	1:150:A:LEU:HD11	1:153:A:PRO:HD2	11	1.11
(3,2216)	1:150:A:LEU:HD11	1:153:A:PRO:HD3	11	1.11
(3,2216)	1:150:A:LEU:HD12	1:153:A:PRO:HD2	11	1.11
(3,2216)	1:150:A:LEU:HD12	1:153:A:PRO:HD3	11	1.11
(3,2216)	1:150:A:LEU:HD13	1:153:A:PRO:HD2	11	1.11
(3,2216)	1:150:A:LEU:HD13	1:153:A:PRO:HD3	11	1.11
(3,2216)	1:150:A:LEU:HD11	1:153:A:PRO:HD2	16	1.11
(3,2216)	1:150:A:LEU:HD11	1:153:A:PRO:HD3	16	1.11
(3,2216)	1:150:A:LEU:HD12	1:153:A:PRO:HD2	16	1.11
(3,2216)	1:150:A:LEU:HD12	1:153:A:PRO:HD3	16	1.11
(3,2216)	1:150:A:LEU:HD13	1:153:A:PRO:HD2	16	1.11
(3,2216)	1:150:A:LEU:HD13	1:153:A:PRO:HD3	16	1.11
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	7	1.11
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE22	7	1.11
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	7	1.11
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE22	7	1.11
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	7	1.11
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE22	7	1.11
(3,1940)	1:59:A:ILE:H	1:133:A:GLN:HE21	5	1.11
(3,1940)	1:59:A:ILE:H	1:133:A:GLN:HE22	5	1.11
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE1	17	1.11
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE2	17	1.11
(4,22)	1:5:A:THR:H	1:8:A:ASP:OD2	12	1.1
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB2	5	1.1
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB3	5	1.1
(3,1308)	1:20:A:LEU:HD21	1:58:A:THR:HA	6	1.1
(3,1308)	1:20:A:LEU:HD22	1:58:A:THR:HA	6	1.1
(3,1308)	1:20:A:LEU:HD23	1:58:A:THR:HA	6	1.1
(3,1099)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	2	1.1
(3,1099)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	2	1.1
(3,1099)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	2	1.1
(3,666)	1:59:A:ILE:HB	1:133:A:GLN:HE21	18	1.1
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE1	20	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE2	20	1.1
(3,1758)	1:14:A:ALA:HB1	1:62:A:ARG:HD2	18	1.09
(3,1758)	1:14:A:ALA:HB1	1:62:A:ARG:HD3	18	1.09
(3,1758)	1:14:A:ALA:HB2	1:62:A:ARG:HD2	18	1.09
(3,1758)	1:14:A:ALA:HB2	1:62:A:ARG:HD3	18	1.09
(3,1758)	1:14:A:ALA:HB3	1:62:A:ARG:HD2	18	1.09
(3,1758)	1:14:A:ALA:HB3	1:62:A:ARG:HD3	18	1.09
(3,1539)	1:45:A:VAL:HG11	1:52:A:GLU:HG2	10	1.09
(3,1539)	1:45:A:VAL:HG11	1:52:A:GLU:HG3	10	1.09
(3,1539)	1:45:A:VAL:HG12	1:52:A:GLU:HG2	10	1.09
(3,1539)	1:45:A:VAL:HG12	1:52:A:GLU:HG3	10	1.09
(3,1539)	1:45:A:VAL:HG13	1:52:A:GLU:HG2	10	1.09
(3,1539)	1:45:A:VAL:HG13	1:52:A:GLU:HG3	10	1.09
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG21	12	1.09
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG22	12	1.09
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG23	12	1.09
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG21	12	1.09
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG22	12	1.09
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG23	12	1.09
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG21	12	1.09
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG22	12	1.09
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG23	12	1.09
(3,1320)	1:6:A:ILE:HG21	1:115:A:THR:HB	16	1.09
(3,1320)	1:6:A:ILE:HG22	1:115:A:THR:HB	16	1.09
(3,1320)	1:6:A:ILE:HG23	1:115:A:THR:HB	16	1.09
(3,896)	1:83:A:LEU:HD21	1:125:A:THR:H	3	1.09
(3,896)	1:83:A:LEU:HD22	1:125:A:THR:H	3	1.09
(3,896)	1:83:A:LEU:HD23	1:125:A:THR:H	3	1.09
(4,21)	1:5:A:THR:N	1:8:A:ASP:OD2	12	1.08
(3,2216)	1:150:A:LEU:HD11	1:153:A:PRO:HD2	6	1.08
(3,2216)	1:150:A:LEU:HD11	1:153:A:PRO:HD3	6	1.08
(3,2216)	1:150:A:LEU:HD12	1:153:A:PRO:HD2	6	1.08
(3,2216)	1:150:A:LEU:HD12	1:153:A:PRO:HD3	6	1.08
(3,2216)	1:150:A:LEU:HD13	1:153:A:PRO:HD2	6	1.08
(3,2216)	1:150:A:LEU:HD13	1:153:A:PRO:HD3	6	1.08
(3,1615)	1:105:A:VAL:HG11	1:127:A:LEU:HG	16	1.07
(3,1615)	1:105:A:VAL:HG12	1:127:A:LEU:HG	16	1.07
(3,1615)	1:105:A:VAL:HG13	1:127:A:LEU:HG	16	1.07
(3,1615)	1:105:A:VAL:HG11	1:127:A:LEU:HG	19	1.07
(3,1615)	1:105:A:VAL:HG12	1:127:A:LEU:HG	19	1.07
(3,1615)	1:105:A:VAL:HG13	1:127:A:LEU:HG	19	1.07
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD21	10	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD22	10	1.07
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD23	10	1.07
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD21	10	1.07
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD22	10	1.07
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD23	10	1.07
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD21	10	1.07
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD22	10	1.07
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD23	10	1.07
(3,912)	1:56:A:ALA:HA	1:133:A:GLN:HE21	20	1.07
(3,666)	1:59:A:ILE:HB	1:133:A:GLN:HE21	11	1.07
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE1	8	1.07
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE2	8	1.07
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE1	9	1.07
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE2	9	1.07
(3,205)	1:105:A:VAL:HG11	1:127:A:LEU:H	14	1.07
(3,205)	1:105:A:VAL:HG12	1:127:A:LEU:H	14	1.07
(3,205)	1:105:A:VAL:HG13	1:127:A:LEU:H	14	1.07
(3,1914)	1:51:A:SER:HB2	1:53:A:ARG:HA	7	1.06
(3,1914)	1:51:A:SER:HB3	1:53:A:ARG:HA	7	1.06
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD21	12	1.06
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD22	12	1.06
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD23	12	1.06
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD21	12	1.06
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD22	12	1.06
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD23	12	1.06
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD21	12	1.06
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD22	12	1.06
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD23	12	1.06
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE1	6	1.06
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE2	6	1.06
(3,53)	1:83:A:LEU:HG	1:88:A:ALA:H	7	1.06
(3,1831)	1:32:A:ARG:HD2	1:37:A:GLY:H	7	1.05
(3,1831)	1:32:A:ARG:HD3	1:37:A:GLY:H	7	1.05
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB2	12	1.05
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB3	12	1.05
(3,896)	1:83:A:LEU:HD21	1:125:A:THR:H	5	1.05
(3,896)	1:83:A:LEU:HD22	1:125:A:THR:H	5	1.05
(3,896)	1:83:A:LEU:HD23	1:125:A:THR:H	5	1.05
(3,409)	1:109:A:PHE:HD1	1:132:A:TYR:H	12	1.05
(3,409)	1:109:A:PHE:HD2	1:132:A:TYR:H	12	1.05
(4,14)	1:109:A:PHE:O	1:134:A:THR:H	4	1.04
(4,13)	1:109:A:PHE:O	1:134:A:THR:N	15	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1997)	1:73:A:VAL:HG21	1:96:A:PHE:HB2	19	1.04
(3,1997)	1:73:A:VAL:HG21	1:96:A:PHE:HB3	19	1.04
(3,1997)	1:73:A:VAL:HG22	1:96:A:PHE:HB2	19	1.04
(3,1997)	1:73:A:VAL:HG22	1:96:A:PHE:HB3	19	1.04
(3,1997)	1:73:A:VAL:HG23	1:96:A:PHE:HB2	19	1.04
(3,1997)	1:73:A:VAL:HG23	1:96:A:PHE:HB3	19	1.04
(3,1615)	1:105:A:VAL:HG11	1:127:A:LEU:HG	17	1.04
(3,1615)	1:105:A:VAL:HG12	1:127:A:LEU:HG	17	1.04
(3,1615)	1:105:A:VAL:HG13	1:127:A:LEU:HG	17	1.04
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD11	10	1.04
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD12	10	1.04
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD13	10	1.04
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD11	10	1.04
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD12	10	1.04
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD13	10	1.04
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD11	10	1.04
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD12	10	1.04
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD13	10	1.04
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE1	18	1.04
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE2	18	1.04
(3,1196)	1:56:A:ALA:HA	1:133:A:GLN:HE22	1	1.04
(4,22)	1:5:A:THR:H	1:8:A:ASP:OD2	15	1.03
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB1	10	1.03
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB2	10	1.03
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB3	10	1.03
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB1	10	1.03
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB2	10	1.03
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB3	10	1.03
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB1	10	1.03
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB2	10	1.03
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB3	10	1.03
(3,668)	1:56:A:ALA:HB1	1:133:A:GLN:HE21	5	1.03
(3,668)	1:56:A:ALA:HB2	1:133:A:GLN:HE21	5	1.03
(3,668)	1:56:A:ALA:HB3	1:133:A:GLN:HE21	5	1.03
(3,145)	1:144:A:ALA:HB1	1:152:A:LEU:H	14	1.03
(3,145)	1:144:A:ALA:HB2	1:152:A:LEU:H	14	1.03
(3,145)	1:144:A:ALA:HB3	1:152:A:LEU:H	14	1.03
(4,12)	1:52:A:GLU:OE2	1:136:A:LYS:H	5	1.02
(3,2162)	1:122:A:GLU:HG2	1:129:A:VAL:H	1	1.02
(3,2162)	1:122:A:GLU:HG3	1:129:A:VAL:H	1	1.02
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB2	20	1.02
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB3	20	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB2	20	1.02
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB3	20	1.02
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB2	20	1.02
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB3	20	1.02
(3,1862)	1:41:A:ALA:H	1:111:A:ASN:HD21	4	1.02
(3,1862)	1:41:A:ALA:H	1:111:A:ASN:HD22	4	1.02
(3,1831)	1:32:A:ARG:HD2	1:37:A:GLY:H	3	1.02
(3,1831)	1:32:A:ARG:HD3	1:37:A:GLY:H	3	1.02
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD11	16	1.02
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD12	16	1.02
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD13	16	1.02
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD11	16	1.02
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD12	16	1.02
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD13	16	1.02
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD11	16	1.02
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD12	16	1.02
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD13	16	1.02
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD11	4	1.02
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD12	4	1.02
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD13	4	1.02
(3,781)	1:41:A:ALA:H	1:55:A:ILE:HG12	15	1.02
(3,781)	1:41:A:ALA:H	1:55:A:ILE:HG13	15	1.02
(3,404)	1:118:A:LEU:HD11	1:132:A:TYR:H	19	1.02
(3,404)	1:118:A:LEU:HD12	1:132:A:TYR:H	19	1.02
(3,404)	1:118:A:LEU:HD13	1:132:A:TYR:H	19	1.02
(4,22)	1:5:A:THR:H	1:8:A:ASP:OD2	18	1.01
(3,2162)	1:122:A:GLU:HG2	1:129:A:VAL:H	2	1.01
(3,2162)	1:122:A:GLU:HG3	1:129:A:VAL:H	2	1.01
(3,2162)	1:122:A:GLU:HG2	1:129:A:VAL:H	6	1.01
(3,2162)	1:122:A:GLU:HG3	1:129:A:VAL:H	6	1.01
(3,1308)	1:20:A:LEU:HD21	1:58:A:THR:HA	3	1.01
(3,1308)	1:20:A:LEU:HD22	1:58:A:THR:HA	3	1.01
(3,1308)	1:20:A:LEU:HD23	1:58:A:THR:HA	3	1.01
(3,1116)	1:41:A:ALA:HB1	1:55:A:ILE:HG12	3	1.01
(3,1116)	1:41:A:ALA:HB1	1:55:A:ILE:HG13	3	1.01
(3,1116)	1:41:A:ALA:HB2	1:55:A:ILE:HG12	3	1.01
(3,1116)	1:41:A:ALA:HB2	1:55:A:ILE:HG13	3	1.01
(3,1116)	1:41:A:ALA:HB3	1:55:A:ILE:HG12	3	1.01
(3,1116)	1:41:A:ALA:HB3	1:55:A:ILE:HG13	3	1.01
(3,933)	1:91:A:LEU:HD11	1:120:A:GLU:H	15	1.01
(3,933)	1:91:A:LEU:HD12	1:120:A:GLU:H	15	1.01
(3,933)	1:91:A:LEU:HD13	1:120:A:GLU:H	15	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD11	6	1.01
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD12	6	1.01
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD13	6	1.01
(3,146)	1:150:A:LEU:HD11	1:152:A:LEU:H	9	1.01
(3,146)	1:150:A:LEU:HD12	1:152:A:LEU:H	9	1.01
(3,146)	1:150:A:LEU:HD13	1:152:A:LEU:H	9	1.01
(3,74)	1:5:A:THR:HG21	1:40:A:LEU:H	19	1.01
(3,74)	1:5:A:THR:HG22	1:40:A:LEU:H	19	1.01
(3,74)	1:5:A:THR:HG23	1:40:A:LEU:H	19	1.01
(4,21)	1:5:A:THR:N	1:8:A:ASP:OD2	15	1.0
(4,21)	1:5:A:THR:N	1:8:A:ASP:OD2	18	1.0
(3,2216)	1:150:A:LEU:HD11	1:153:A:PRO:HD2	5	1.0
(3,2216)	1:150:A:LEU:HD11	1:153:A:PRO:HD3	5	1.0
(3,2216)	1:150:A:LEU:HD12	1:153:A:PRO:HD2	5	1.0
(3,2216)	1:150:A:LEU:HD12	1:153:A:PRO:HD3	5	1.0
(3,2216)	1:150:A:LEU:HD13	1:153:A:PRO:HD2	5	1.0
(3,2216)	1:150:A:LEU:HD13	1:153:A:PRO:HD3	5	1.0
(3,1997)	1:73:A:VAL:HG21	1:96:A:PHE:HB2	12	1.0
(3,1997)	1:73:A:VAL:HG21	1:96:A:PHE:HB3	12	1.0
(3,1997)	1:73:A:VAL:HG22	1:96:A:PHE:HB2	12	1.0
(3,1997)	1:73:A:VAL:HG22	1:96:A:PHE:HB3	12	1.0
(3,1997)	1:73:A:VAL:HG23	1:96:A:PHE:HB2	12	1.0
(3,1997)	1:73:A:VAL:HG23	1:96:A:PHE:HB3	12	1.0
(3,1758)	1:14:A:ALA:HB1	1:62:A:ARG:HD2	17	1.0
(3,1758)	1:14:A:ALA:HB1	1:62:A:ARG:HD3	17	1.0
(3,1758)	1:14:A:ALA:HB2	1:62:A:ARG:HD2	17	1.0
(3,1758)	1:14:A:ALA:HB2	1:62:A:ARG:HD3	17	1.0
(3,1758)	1:14:A:ALA:HB3	1:62:A:ARG:HD2	17	1.0
(3,1758)	1:14:A:ALA:HB3	1:62:A:ARG:HD3	17	1.0
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG21	20	1.0
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG22	20	1.0
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG23	20	1.0
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG21	20	1.0
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG22	20	1.0
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG23	20	1.0
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG21	20	1.0
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG22	20	1.0
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG23	20	1.0
(3,1320)	1:6:A:ILE:HG21	1:115:A:THR:HB	17	1.0
(3,1320)	1:6:A:ILE:HG22	1:115:A:THR:HB	17	1.0
(3,1320)	1:6:A:ILE:HG23	1:115:A:THR:HB	17	1.0
(3,1308)	1:20:A:LEU:HD21	1:58:A:THR:HA	13	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1308)	1:20:A:LEU:HD22	1:58:A:THR:HA	13	1.0
(3,1308)	1:20:A:LEU:HD23	1:58:A:THR:HA	13	1.0
(3,1308)	1:20:A:LEU:HD21	1:58:A:THR:HA	14	1.0
(3,1308)	1:20:A:LEU:HD22	1:58:A:THR:HA	14	1.0
(3,1308)	1:20:A:LEU:HD23	1:58:A:THR:HA	14	1.0
(3,1236)	1:121:A:VAL:HA	1:124:A:LEU:HB3	12	1.0
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG12	9	1.0
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG13	9	1.0
(3,146)	1:150:A:LEU:HD11	1:152:A:LEU:H	2	1.0
(3,146)	1:150:A:LEU:HD12	1:152:A:LEU:H	2	1.0
(3,146)	1:150:A:LEU:HD13	1:152:A:LEU:H	2	1.0
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG2	15	0.99
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG3	15	0.99
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG2	15	0.99
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG3	15	0.99
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG2	15	0.99
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG3	15	0.99
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG2	2	0.99
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG3	2	0.99
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD11	1	0.99
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD12	1	0.99
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD13	1	0.99
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD11	1	0.99
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD12	1	0.99
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD13	1	0.99
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD11	1	0.99
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD12	1	0.99
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD13	1	0.99
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD21	15	0.99
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD22	15	0.99
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD23	15	0.99
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD21	15	0.99
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD22	15	0.99
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD23	15	0.99
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD21	15	0.99
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD22	15	0.99
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD23	15	0.99
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG12	16	0.99
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG13	16	0.99
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE1	2	0.99
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE2	2	0.99
(3,469)	1:83:A:LEU:HD11	1:87:A:LYS:H	13	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,469)	1:83:A:LEU:HD12	1:87:A:LYS:H	13	0.99
(3,469)	1:83:A:LEU:HD13	1:87:A:LYS:H	13	0.99
(3,298)	1:6:A:ILE:HG21	1:115:A:THR:H	1	0.99
(3,298)	1:6:A:ILE:HG22	1:115:A:THR:H	1	0.99
(3,298)	1:6:A:ILE:HG23	1:115:A:THR:H	1	0.99
(3,23)	1:122:A:GLU:HB2	1:129:A:VAL:H	16	0.99
(3,22)	1:122:A:GLU:HA	1:129:A:VAL:H	18	0.99
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	14	0.98
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE22	14	0.98
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	14	0.98
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE22	14	0.98
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	14	0.98
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE22	14	0.98
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG21	20	0.98
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG22	20	0.98
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG23	20	0.98
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG21	20	0.98
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG22	20	0.98
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG23	20	0.98
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG21	20	0.98
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG22	20	0.98
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG23	20	0.98
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB1	3	0.98
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB2	3	0.98
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB3	3	0.98
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB1	3	0.98
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB2	3	0.98
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB3	3	0.98
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB1	3	0.98
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB2	3	0.98
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB3	3	0.98
(3,625)	1:110:A:LEU:HG	1:135:A:THR:H	2	0.98
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG12	20	0.98
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG13	20	0.98
(4,21)	1:5:A:THR:N	1:8:A:ASP:OD2	2	0.97
(3,1940)	1:59:A:ILE:H	1:133:A:GLN:HE21	7	0.97
(3,1940)	1:59:A:ILE:H	1:133:A:GLN:HE22	7	0.97
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD11	12	0.97
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD12	12	0.97
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD13	12	0.97
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD11	12	0.97
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD12	12	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD13	12	0.97
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD11	12	0.97
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD12	12	0.97
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD13	12	0.97
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB1	6	0.97
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB2	6	0.97
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB3	6	0.97
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB1	6	0.97
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB2	6	0.97
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB3	6	0.97
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB1	6	0.97
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB2	6	0.97
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB3	6	0.97
(3,596)	1:83:A:LEU:HD11	1:89:A:LYS:H	17	0.97
(3,596)	1:83:A:LEU:HD12	1:89:A:LYS:H	17	0.97
(3,596)	1:83:A:LEU:HD13	1:89:A:LYS:H	17	0.97
(4,22)	1:5:A:THR:H	1:8:A:ASP:OD2	2	0.96
(3,1916)	1:51:A:SER:HB2	1:54:A:ARG:HG2	7	0.96
(3,1916)	1:51:A:SER:HB2	1:54:A:ARG:HG3	7	0.96
(3,1916)	1:51:A:SER:HB3	1:54:A:ARG:HG2	7	0.96
(3,1916)	1:51:A:SER:HB3	1:54:A:ARG:HG3	7	0.96
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD11	3	0.96
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD12	3	0.96
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD13	3	0.96
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD21	1	0.96
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD22	1	0.96
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD23	1	0.96
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD21	1	0.96
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD22	1	0.96
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD23	1	0.96
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD21	1	0.96
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD22	1	0.96
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD23	1	0.96
(3,146)	1:150:A:LEU:HD11	1:152:A:LEU:H	5	0.96
(3,146)	1:150:A:LEU:HD12	1:152:A:LEU:H	5	0.96
(3,146)	1:150:A:LEU:HD13	1:152:A:LEU:H	5	0.96
(3,1456)	1:70:A:LEU:HD21	1:94:A:ILE:HD11	13	0.95
(3,1456)	1:70:A:LEU:HD21	1:94:A:ILE:HD12	13	0.95
(3,1456)	1:70:A:LEU:HD21	1:94:A:ILE:HD13	13	0.95
(3,1456)	1:70:A:LEU:HD22	1:94:A:ILE:HD11	13	0.95
(3,1456)	1:70:A:LEU:HD22	1:94:A:ILE:HD12	13	0.95
(3,1456)	1:70:A:LEU:HD22	1:94:A:ILE:HD13	13	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1456)	1:70:A:LEU:HD23	1:94:A:ILE:HD11	13	0.95
(3,1456)	1:70:A:LEU:HD23	1:94:A:ILE:HD12	13	0.95
(3,1456)	1:70:A:LEU:HD23	1:94:A:ILE:HD13	13	0.95
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD11	3	0.95
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD12	3	0.95
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD13	3	0.95
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD11	3	0.95
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD12	3	0.95
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD13	3	0.95
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD11	3	0.95
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD12	3	0.95
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD13	3	0.95
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD21	13	0.95
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD22	13	0.95
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD23	13	0.95
(3,205)	1:105:A:VAL:HG11	1:127:A:LEU:H	19	0.95
(3,205)	1:105:A:VAL:HG12	1:127:A:LEU:H	19	0.95
(3,205)	1:105:A:VAL:HG13	1:127:A:LEU:H	19	0.95
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG2	6	0.94
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG3	6	0.94
(3,1956)	1:61:A:ASP:H	1:62:A:ARG:HG2	15	0.94
(3,1956)	1:61:A:ASP:H	1:62:A:ARG:HG3	15	0.94
(3,1516)	1:30:A:LEU:HD21	1:40:A:LEU:HD11	18	0.94
(3,1516)	1:30:A:LEU:HD21	1:40:A:LEU:HD12	18	0.94
(3,1516)	1:30:A:LEU:HD21	1:40:A:LEU:HD13	18	0.94
(3,1516)	1:30:A:LEU:HD22	1:40:A:LEU:HD11	18	0.94
(3,1516)	1:30:A:LEU:HD22	1:40:A:LEU:HD12	18	0.94
(3,1516)	1:30:A:LEU:HD22	1:40:A:LEU:HD13	18	0.94
(3,1516)	1:30:A:LEU:HD23	1:40:A:LEU:HD11	18	0.94
(3,1516)	1:30:A:LEU:HD23	1:40:A:LEU:HD12	18	0.94
(3,1516)	1:30:A:LEU:HD23	1:40:A:LEU:HD13	18	0.94
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG21	16	0.94
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG22	16	0.94
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG23	16	0.94
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG21	16	0.94
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG22	16	0.94
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG23	16	0.94
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG21	16	0.94
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG22	16	0.94
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG23	16	0.94
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD21	4	0.94
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD22	4	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD23	4	0.94
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD21	4	0.94
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD22	4	0.94
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD23	4	0.94
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD21	4	0.94
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD22	4	0.94
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD23	4	0.94
(3,1235)	1:83:A:LEU:HD21	1:121:A:VAL:HA	8	0.94
(3,1235)	1:83:A:LEU:HD22	1:121:A:VAL:HA	8	0.94
(3,1235)	1:83:A:LEU:HD23	1:121:A:VAL:HA	8	0.94
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD11	3	0.94
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD12	3	0.94
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD13	3	0.94
(3,933)	1:91:A:LEU:HD11	1:120:A:GLU:H	17	0.94
(3,933)	1:91:A:LEU:HD12	1:120:A:GLU:H	17	0.94
(3,933)	1:91:A:LEU:HD13	1:120:A:GLU:H	17	0.94
(3,848)	1:92:A:LYS:H	1:139:A:PHE:HE1	11	0.94
(3,848)	1:92:A:LYS:H	1:139:A:PHE:HE2	11	0.94
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG12	17	0.94
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG13	17	0.94
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD11	20	0.94
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD12	20	0.94
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD13	20	0.94
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB2	6	0.93
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB3	6	0.93
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB2	6	0.93
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB3	6	0.93
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB2	6	0.93
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB3	6	0.93
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG21	13	0.93
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG22	13	0.93
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG23	13	0.93
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG21	13	0.93
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG22	13	0.93
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG23	13	0.93
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG21	13	0.93
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG22	13	0.93
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG23	13	0.93
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD21	7	0.93
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD22	7	0.93
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD23	7	0.93
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD21	16	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD22	16	0.93
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD23	16	0.93
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD21	16	0.93
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD22	16	0.93
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD23	16	0.93
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD21	16	0.93
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD22	16	0.93
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD23	16	0.93
(3,1218)	1:26:A:LEU:HD21	1:27:A:GLN:HA	18	0.93
(3,1218)	1:26:A:LEU:HD22	1:27:A:GLN:HA	18	0.93
(3,1218)	1:26:A:LEU:HD23	1:27:A:GLN:HA	18	0.93
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG21	5	0.93
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG22	5	0.93
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG23	5	0.93
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE1	5	0.93
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE2	5	0.93
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE1	11	0.93
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE2	11	0.93
(4,14)	1:109:A:PHE:O	1:134:A:THR:H	5	0.92
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD2	1	0.92
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD3	1	0.92
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD2	6	0.92
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD3	6	0.92
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD21	11	0.92
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD22	11	0.92
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD23	11	0.92
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD21	11	0.92
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD22	11	0.92
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD23	11	0.92
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD21	11	0.92
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD22	11	0.92
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD23	11	0.92
(3,1308)	1:20:A:LEU:HD21	1:58:A:THR:HA	7	0.92
(3,1308)	1:20:A:LEU:HD22	1:58:A:THR:HA	7	0.92
(3,1308)	1:20:A:LEU:HD23	1:58:A:THR:HA	7	0.92
(3,1233)	1:120:A:GLU:HA	1:123:A:ASP:HB2	10	0.92
(3,1116)	1:41:A:ALA:HB1	1:55:A:ILE:HG12	15	0.92
(3,1116)	1:41:A:ALA:HB1	1:55:A:ILE:HG13	15	0.92
(3,1116)	1:41:A:ALA:HB2	1:55:A:ILE:HG12	15	0.92
(3,1116)	1:41:A:ALA:HB2	1:55:A:ILE:HG13	15	0.92
(3,1116)	1:41:A:ALA:HB3	1:55:A:ILE:HG12	15	0.92
(3,1116)	1:41:A:ALA:HB3	1:55:A:ILE:HG13	15	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD11	20	0.92
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD12	20	0.92
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD13	20	0.92
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD11	20	0.92
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD12	20	0.92
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD13	20	0.92
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD11	20	0.92
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD12	20	0.92
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD13	20	0.92
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG21	10	0.92
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG22	10	0.92
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG23	10	0.92
(3,912)	1:56:A:ALA:HA	1:133:A:GLN:HE21	13	0.92
(3,912)	1:56:A:ALA:HA	1:133:A:GLN:HE21	15	0.92
(3,409)	1:109:A:PHE:HD1	1:132:A:TYR:H	11	0.92
(3,409)	1:109:A:PHE:HD2	1:132:A:TYR:H	11	0.92
(3,205)	1:105:A:VAL:HG11	1:127:A:LEU:H	17	0.92
(3,205)	1:105:A:VAL:HG12	1:127:A:LEU:H	17	0.92
(3,205)	1:105:A:VAL:HG13	1:127:A:LEU:H	17	0.92
(4,13)	1:109:A:PHE:O	1:134:A:THR:N	19	0.91
(3,2162)	1:122:A:GLU:HG2	1:129:A:VAL:H	15	0.91
(3,2162)	1:122:A:GLU:HG3	1:129:A:VAL:H	15	0.91
(3,2052)	1:90:A:GLU:HG2	1:91:A:LEU:HB2	19	0.91
(3,2052)	1:90:A:GLU:HG2	1:91:A:LEU:HB3	19	0.91
(3,2052)	1:90:A:GLU:HG3	1:91:A:LEU:HB2	19	0.91
(3,2052)	1:90:A:GLU:HG3	1:91:A:LEU:HB3	19	0.91
(3,1997)	1:73:A:VAL:HG21	1:96:A:PHE:HB2	18	0.91
(3,1997)	1:73:A:VAL:HG21	1:96:A:PHE:HB3	18	0.91
(3,1997)	1:73:A:VAL:HG22	1:96:A:PHE:HB2	18	0.91
(3,1997)	1:73:A:VAL:HG22	1:96:A:PHE:HB3	18	0.91
(3,1997)	1:73:A:VAL:HG23	1:96:A:PHE:HB2	18	0.91
(3,1997)	1:73:A:VAL:HG23	1:96:A:PHE:HB3	18	0.91
(3,1615)	1:105:A:VAL:HG11	1:127:A:LEU:HG	9	0.91
(3,1615)	1:105:A:VAL:HG12	1:127:A:LEU:HG	9	0.91
(3,1615)	1:105:A:VAL:HG13	1:127:A:LEU:HG	9	0.91
(3,1493)	1:107:A:VAL:HG11	1:118:A:LEU:HG	11	0.91
(3,1493)	1:107:A:VAL:HG12	1:118:A:LEU:HG	11	0.91
(3,1493)	1:107:A:VAL:HG13	1:118:A:LEU:HG	11	0.91
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD21	19	0.91
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD22	19	0.91
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD23	19	0.91
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD21	19	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD22	19	0.91
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD23	19	0.91
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD21	19	0.91
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD22	19	0.91
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD23	19	0.91
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG21	3	0.91
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG22	3	0.91
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG23	3	0.91
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG21	3	0.91
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG22	3	0.91
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG23	3	0.91
(3,1218)	1:26:A:LEU:HD21	1:27:A:GLN:HA	11	0.91
(3,1218)	1:26:A:LEU:HD22	1:27:A:GLN:HA	11	0.91
(3,1218)	1:26:A:LEU:HD23	1:27:A:GLN:HA	11	0.91
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG21	18	0.91
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG22	18	0.91
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG23	18	0.91
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG21	18	0.91
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG22	18	0.91
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG23	18	0.91
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG21	18	0.91
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG22	18	0.91
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG23	18	0.91
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD21	16	0.91
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD22	16	0.91
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD23	16	0.91
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD21	16	0.91
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD22	16	0.91
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD23	16	0.91
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD21	16	0.91
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD22	16	0.91
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD23	16	0.91
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG12	4	0.91
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG13	4	0.91
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG12	5	0.91
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG13	5	0.91
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD11	16	0.91
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD12	16	0.91
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD13	16	0.91
(3,205)	1:105:A:VAL:HG11	1:127:A:LEU:H	9	0.91
(3,205)	1:105:A:VAL:HG12	1:127:A:LEU:H	9	0.91
(3,205)	1:105:A:VAL:HG13	1:127:A:LEU:H	9	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,14)	1:109:A:PHE:O	1:134:A:THR:H	11	0.9
(4,11)	1:52:A:GLU:OE2	1:136:A:LYS:N	5	0.9
(3,2215)	1:150:A:LEU:HB2	1:153:A:PRO:HD2	20	0.9
(3,2215)	1:150:A:LEU:HB2	1:153:A:PRO:HD3	20	0.9
(3,2215)	1:150:A:LEU:HB3	1:153:A:PRO:HD2	20	0.9
(3,2215)	1:150:A:LEU:HB3	1:153:A:PRO:HD3	20	0.9
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB2	18	0.9
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB3	18	0.9
(3,1468)	1:75:A:ILE:HG21	1:96:A:PHE:HA	10	0.9
(3,1468)	1:75:A:ILE:HG22	1:96:A:PHE:HA	10	0.9
(3,1468)	1:75:A:ILE:HG23	1:96:A:PHE:HA	10	0.9
(3,1218)	1:26:A:LEU:HD21	1:27:A:GLN:HA	20	0.9
(3,1218)	1:26:A:LEU:HD22	1:27:A:GLN:HA	20	0.9
(3,1218)	1:26:A:LEU:HD23	1:27:A:GLN:HA	20	0.9
(3,1001)	1:69:A:GLU:H	1:70:A:LEU:HD11	13	0.9
(3,1001)	1:69:A:GLU:H	1:70:A:LEU:HD12	13	0.9
(3,1001)	1:69:A:GLU:H	1:70:A:LEU:HD13	13	0.9
(3,853)	1:93:A:ALA:H	1:139:A:PHE:HD1	2	0.9
(3,853)	1:93:A:ALA:H	1:139:A:PHE:HD2	2	0.9
(3,781)	1:41:A:ALA:H	1:55:A:ILE:HG12	3	0.9
(3,781)	1:41:A:ALA:H	1:55:A:ILE:HG13	3	0.9
(3,710)	1:7:A:GLY:H	1:115:A:THR:HB	10	0.9
(3,1924)	1:56:A:ALA:HA	1:133:A:GLN:HE21	14	0.89
(3,1924)	1:56:A:ALA:HA	1:133:A:GLN:HE22	14	0.89
(3,1567)	1:70:A:LEU:HD11	1:134:A:THR:HB	10	0.89
(3,1567)	1:70:A:LEU:HD12	1:134:A:THR:HB	10	0.89
(3,1567)	1:70:A:LEU:HD13	1:134:A:THR:HB	10	0.89
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG11	10	0.89
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG12	10	0.89
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG13	10	0.89
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG11	10	0.89
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG12	10	0.89
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG13	10	0.89
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG11	10	0.89
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG12	10	0.89
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG13	10	0.89
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD21	11	0.89
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD22	11	0.89
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD23	11	0.89
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD21	16	0.89
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD22	16	0.89
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD23	16	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD21	14	0.89
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD22	14	0.89
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD23	14	0.89
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD21	14	0.89
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD22	14	0.89
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD23	14	0.89
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD21	14	0.89
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD22	14	0.89
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD23	14	0.89
(3,1308)	1:20:A:LEU:HD21	1:58:A:THR:HA	9	0.89
(3,1308)	1:20:A:LEU:HD22	1:58:A:THR:HA	9	0.89
(3,1308)	1:20:A:LEU:HD23	1:58:A:THR:HA	9	0.89
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB1	9	0.89
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB2	9	0.89
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB3	9	0.89
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB1	9	0.89
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB2	9	0.89
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB3	9	0.89
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB1	9	0.89
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB2	9	0.89
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB3	9	0.89
(3,1238)	1:32:A:ARG:HD3	1:36:A:VAL:HG21	3	0.89
(3,1238)	1:32:A:ARG:HD3	1:36:A:VAL:HG22	3	0.89
(3,1238)	1:32:A:ARG:HD3	1:36:A:VAL:HG23	3	0.89
(3,1235)	1:83:A:LEU:HD21	1:121:A:VAL:HA	15	0.89
(3,1235)	1:83:A:LEU:HD22	1:121:A:VAL:HA	15	0.89
(3,1235)	1:83:A:LEU:HD23	1:121:A:VAL:HA	15	0.89
(3,1218)	1:26:A:LEU:HD21	1:27:A:GLN:HA	14	0.89
(3,1218)	1:26:A:LEU:HD22	1:27:A:GLN:HA	14	0.89
(3,1218)	1:26:A:LEU:HD23	1:27:A:GLN:HA	14	0.89
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD11	3	0.89
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD12	3	0.89
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD13	3	0.89
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD11	3	0.89
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD12	3	0.89
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD13	3	0.89
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD11	3	0.89
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD12	3	0.89
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD13	3	0.89
(3,1115)	1:136:A:LYS:HE2	1:140:A:LEU:HD11	20	0.89
(3,1115)	1:136:A:LYS:HE2	1:140:A:LEU:HD12	20	0.89
(3,1115)	1:136:A:LYS:HE2	1:140:A:LEU:HD13	20	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1115)	1:136:A:LYS:HE3	1:140:A:LEU:HD11	20	0.89
(3,1115)	1:136:A:LYS:HE3	1:140:A:LEU:HD12	20	0.89
(3,1115)	1:136:A:LYS:HE3	1:140:A:LEU:HD13	20	0.89
(3,933)	1:91:A:LEU:HD11	1:120:A:GLU:H	10	0.89
(3,933)	1:91:A:LEU:HD12	1:120:A:GLU:H	10	0.89
(3,933)	1:91:A:LEU:HD13	1:120:A:GLU:H	10	0.89
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD21	19	0.89
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD22	19	0.89
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD23	19	0.89
(3,264)	1:134:A:THR:HG21	1:139:A:PHE:H	6	0.89
(3,264)	1:134:A:THR:HG22	1:139:A:PHE:H	6	0.89
(3,264)	1:134:A:THR:HG23	1:139:A:PHE:H	6	0.89
(3,22)	1:122:A:GLU:HA	1:129:A:VAL:H	9	0.89
(4,13)	1:109:A:PHE:O	1:134:A:THR:N	3	0.88
(3,2162)	1:122:A:GLU:HG2	1:129:A:VAL:H	7	0.88
(3,2162)	1:122:A:GLU:HG3	1:129:A:VAL:H	7	0.88
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB2	1	0.88
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB3	1	0.88
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD2	3	0.88
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD3	3	0.88
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD21	5	0.88
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD22	5	0.88
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD23	5	0.88
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD21	5	0.88
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD22	5	0.88
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD23	5	0.88
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD21	5	0.88
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD22	5	0.88
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD23	5	0.88
(3,684)	1:48:A:GLY:H	1:49:A:LEU:HG	5	0.88
(3,597)	1:89:A:LYS:H	1:143:A:LEU:HD11	11	0.88
(3,597)	1:89:A:LYS:H	1:143:A:LEU:HD12	11	0.88
(3,597)	1:89:A:LYS:H	1:143:A:LEU:HD13	11	0.88
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG21	5	0.88
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG22	5	0.88
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG23	5	0.88
(3,2162)	1:122:A:GLU:HG2	1:129:A:VAL:H	16	0.87
(3,2162)	1:122:A:GLU:HG3	1:129:A:VAL:H	16	0.87
(3,1233)	1:120:A:GLU:HA	1:123:A:ASP:HB2	12	0.87
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG21	9	0.87
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG22	9	0.87
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG23	9	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,503)	1:80:A:LYS:HD2	1:81:A:ALA:H	18	0.87
(3,503)	1:80:A:LYS:HD3	1:81:A:ALA:H	18	0.87
(3,1758)	1:14:A:ALA:HB1	1:62:A:ARG:HD2	19	0.86
(3,1758)	1:14:A:ALA:HB1	1:62:A:ARG:HD3	19	0.86
(3,1758)	1:14:A:ALA:HB2	1:62:A:ARG:HD2	19	0.86
(3,1758)	1:14:A:ALA:HB2	1:62:A:ARG:HD3	19	0.86
(3,1758)	1:14:A:ALA:HB3	1:62:A:ARG:HD2	19	0.86
(3,1758)	1:14:A:ALA:HB3	1:62:A:ARG:HD3	19	0.86
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD21	8	0.86
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD22	8	0.86
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD23	8	0.86
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD21	8	0.86
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD22	8	0.86
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD23	8	0.86
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD21	8	0.86
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD22	8	0.86
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD23	8	0.86
(3,1308)	1:20:A:LEU:HD21	1:58:A:THR:HA	20	0.86
(3,1308)	1:20:A:LEU:HD22	1:58:A:THR:HA	20	0.86
(3,1308)	1:20:A:LEU:HD23	1:58:A:THR:HA	20	0.86
(3,1252)	1:150:A:LEU:HD11	1:153:A:PRO:HD2	3	0.86
(3,1252)	1:150:A:LEU:HD12	1:153:A:PRO:HD2	3	0.86
(3,1252)	1:150:A:LEU:HD13	1:153:A:PRO:HD2	3	0.86
(3,1252)	1:150:A:LEU:HD11	1:153:A:PRO:HD3	3	0.86
(3,1252)	1:150:A:LEU:HD12	1:153:A:PRO:HD3	3	0.86
(3,1252)	1:150:A:LEU:HD13	1:153:A:PRO:HD3	3	0.86
(3,1235)	1:83:A:LEU:HD21	1:121:A:VAL:HA	19	0.86
(3,1235)	1:83:A:LEU:HD22	1:121:A:VAL:HA	19	0.86
(3,1235)	1:83:A:LEU:HD23	1:121:A:VAL:HA	19	0.86
(3,1218)	1:26:A:LEU:HD21	1:27:A:GLN:HA	15	0.86
(3,1218)	1:26:A:LEU:HD22	1:27:A:GLN:HA	15	0.86
(3,1218)	1:26:A:LEU:HD23	1:27:A:GLN:HA	15	0.86
(3,1218)	1:26:A:LEU:HD21	1:27:A:GLN:HA	19	0.86
(3,1218)	1:26:A:LEU:HD22	1:27:A:GLN:HA	19	0.86
(3,1218)	1:26:A:LEU:HD23	1:27:A:GLN:HA	19	0.86
(3,22)	1:122:A:GLU:HA	1:129:A:VAL:H	6	0.86
(3,1906)	1:50:A:LEU:HB2	1:55:A:ILE:HA	6	0.85
(3,1906)	1:50:A:LEU:HB3	1:55:A:ILE:HA	6	0.85
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB2	5	0.85
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB3	5	0.85
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB2	5	0.85
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB3	5	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB2	5	0.85
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB3	5	0.85
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD21	3	0.85
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD22	3	0.85
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD23	3	0.85
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD11	6	0.85
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD12	6	0.85
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD13	6	0.85
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG21	7	0.85
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG22	7	0.85
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG23	7	0.85
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG21	7	0.85
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG22	7	0.85
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG23	7	0.85
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG21	7	0.85
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG22	7	0.85
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG23	7	0.85
(3,1218)	1:26:A:LEU:HD21	1:27:A:GLN:HA	13	0.85
(3,1218)	1:26:A:LEU:HD22	1:27:A:GLN:HA	13	0.85
(3,1218)	1:26:A:LEU:HD23	1:27:A:GLN:HA	13	0.85
(3,666)	1:59:A:ILE:HB	1:133:A:GLN:HE21	17	0.85
(3,409)	1:109:A:PHE:HD1	1:132:A:TYR:H	1	0.85
(3,409)	1:109:A:PHE:HD2	1:132:A:TYR:H	1	0.85
(4,14)	1:109:A:PHE:O	1:134:A:THR:H	18	0.84
(4,12)	1:52:A:GLU:OE2	1:136:A:LYS:H	14	0.84
(3,2162)	1:122:A:GLU:HG2	1:129:A:VAL:H	9	0.84
(3,2162)	1:122:A:GLU:HG3	1:129:A:VAL:H	9	0.84
(3,1831)	1:32:A:ARG:HD2	1:37:A:GLY:H	2	0.84
(3,1831)	1:32:A:ARG:HD3	1:37:A:GLY:H	2	0.84
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB1	5	0.84
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB2	5	0.84
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB3	5	0.84
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB1	5	0.84
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB2	5	0.84
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB3	5	0.84
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB1	5	0.84
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB2	5	0.84
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB3	5	0.84
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD21	13	0.84
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD22	13	0.84
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD23	13	0.84
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD21	13	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD22	13	0.84
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD23	13	0.84
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD21	13	0.84
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD22	13	0.84
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD23	13	0.84
(3,1293)	1:43:A:VAL:HG21	1:44:A:LEU:HA	16	0.84
(3,1293)	1:43:A:VAL:HG22	1:44:A:LEU:HA	16	0.84
(3,1293)	1:43:A:VAL:HG23	1:44:A:LEU:HA	16	0.84
(3,912)	1:56:A:ALA:HA	1:133:A:GLN:HE21	19	0.84
(3,896)	1:83:A:LEU:HD21	1:125:A:THR:H	1	0.84
(3,896)	1:83:A:LEU:HD22	1:125:A:THR:H	1	0.84
(3,896)	1:83:A:LEU:HD23	1:125:A:THR:H	1	0.84
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE1	1	0.84
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE2	1	0.84
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD2	2	0.84
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD3	2	0.84
(3,1997)	1:73:A:VAL:HG21	1:96:A:PHE:HB2	1	0.83
(3,1997)	1:73:A:VAL:HG21	1:96:A:PHE:HB3	1	0.83
(3,1997)	1:73:A:VAL:HG22	1:96:A:PHE:HB2	1	0.83
(3,1997)	1:73:A:VAL:HG22	1:96:A:PHE:HB3	1	0.83
(3,1997)	1:73:A:VAL:HG23	1:96:A:PHE:HB2	1	0.83
(3,1997)	1:73:A:VAL:HG23	1:96:A:PHE:HB3	1	0.83
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD2	20	0.83
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD3	20	0.83
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB2	7	0.83
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB3	7	0.83
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD11	18	0.83
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD12	18	0.83
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD13	18	0.83
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD11	18	0.83
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD12	18	0.83
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD13	18	0.83
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD11	18	0.83
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD12	18	0.83
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD13	18	0.83
(3,1539)	1:45:A:VAL:HG11	1:52:A:GLU:HG2	5	0.83
(3,1539)	1:45:A:VAL:HG11	1:52:A:GLU:HG3	5	0.83
(3,1539)	1:45:A:VAL:HG12	1:52:A:GLU:HG2	5	0.83
(3,1539)	1:45:A:VAL:HG12	1:52:A:GLU:HG3	5	0.83
(3,1539)	1:45:A:VAL:HG13	1:52:A:GLU:HG2	5	0.83
(3,1539)	1:45:A:VAL:HG13	1:52:A:GLU:HG3	5	0.83
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG21	6	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG22	6	0.83
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG23	6	0.83
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG21	6	0.83
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG22	6	0.83
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG23	6	0.83
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG21	6	0.83
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG22	6	0.83
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG23	6	0.83
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA2	1	0.83
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA3	1	0.83
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA2	1	0.83
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA3	1	0.83
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA2	1	0.83
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA3	1	0.83
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG21	20	0.83
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG22	20	0.83
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG23	20	0.83
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB1	14	0.83
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB2	14	0.83
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB3	14	0.83
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB1	14	0.83
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB2	14	0.83
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB3	14	0.83
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB1	14	0.83
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB2	14	0.83
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB3	14	0.83
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG21	2	0.83
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG22	2	0.83
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG23	2	0.83
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG21	2	0.83
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG22	2	0.83
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG23	2	0.83
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG21	2	0.83
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG22	2	0.83
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG23	2	0.83
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD21	9	0.83
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD22	9	0.83
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD23	9	0.83
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD21	9	0.83
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD22	9	0.83
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD23	9	0.83
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD21	9	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD22	9	0.83
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD23	9	0.83
(3,848)	1:92:A:LYS:H	1:139:A:PHE:HE1	2	0.83
(3,848)	1:92:A:LYS:H	1:139:A:PHE:HE2	2	0.83
(3,673)	1:59:A:ILE:HG21	1:133:A:GLN:HE22	1	0.83
(3,673)	1:59:A:ILE:HG22	1:133:A:GLN:HE22	1	0.83
(3,673)	1:59:A:ILE:HG23	1:133:A:GLN:HE22	1	0.83
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE1	15	0.83
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE2	15	0.83
(3,135)	1:116:A:LEU:HG	1:118:A:LEU:H	20	0.83
(3,53)	1:83:A:LEU:HG	1:88:A:ALA:H	1	0.83
(4,21)	1:5:A:THR:N	1:8:A:ASP:OD2	11	0.82
(4,21)	1:5:A:THR:N	1:8:A:ASP:OD2	13	0.82
(4,13)	1:109:A:PHE:O	1:134:A:THR:N	6	0.82
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB2	16	0.82
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB3	16	0.82
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG11	15	0.82
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG12	15	0.82
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG13	15	0.82
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG11	15	0.82
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG12	15	0.82
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG13	15	0.82
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG11	15	0.82
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG12	15	0.82
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG13	15	0.82
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD21	3	0.82
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD22	3	0.82
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD23	3	0.82
(3,1324)	1:6:A:ILE:HG21	1:115:A:THR:HA	14	0.82
(3,1324)	1:6:A:ILE:HG22	1:115:A:THR:HA	14	0.82
(3,1324)	1:6:A:ILE:HG23	1:115:A:THR:HA	14	0.82
(3,1115)	1:136:A:LYS:HE2	1:140:A:LEU:HD11	18	0.82
(3,1115)	1:136:A:LYS:HE2	1:140:A:LEU:HD12	18	0.82
(3,1115)	1:136:A:LYS:HE2	1:140:A:LEU:HD13	18	0.82
(3,1115)	1:136:A:LYS:HE3	1:140:A:LEU:HD11	18	0.82
(3,1115)	1:136:A:LYS:HE3	1:140:A:LEU:HD12	18	0.82
(3,1115)	1:136:A:LYS:HE3	1:140:A:LEU:HD13	18	0.82
(3,1099)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	13	0.82
(3,1099)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	13	0.82
(3,1099)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	13	0.82
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG21	19	0.82
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG22	19	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG23	19	0.82
(3,404)	1:118:A:LEU:HD11	1:132:A:TYR:H	1	0.82
(3,404)	1:118:A:LEU:HD12	1:132:A:TYR:H	1	0.82
(3,404)	1:118:A:LEU:HD13	1:132:A:TYR:H	1	0.82
(3,140)	1:144:A:ALA:HA	1:152:A:LEU:H	20	0.82
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD11	7	0.82
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD12	7	0.82
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD13	7	0.82
(4,22)	1:5:A:THR:H	1:8:A:ASP:OD2	11	0.81
(4,22)	1:5:A:THR:H	1:8:A:ASP:OD2	13	0.81
(3,2211)	1:147:A:TYR:HB2	1:150:A:LEU:HD11	20	0.81
(3,2211)	1:147:A:TYR:HB2	1:150:A:LEU:HD12	20	0.81
(3,2211)	1:147:A:TYR:HB2	1:150:A:LEU:HD13	20	0.81
(3,2211)	1:147:A:TYR:HB3	1:150:A:LEU:HD11	20	0.81
(3,2211)	1:147:A:TYR:HB3	1:150:A:LEU:HD12	20	0.81
(3,2211)	1:147:A:TYR:HB3	1:150:A:LEU:HD13	20	0.81
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB2	1	0.81
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB3	1	0.81
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB2	1	0.81
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB3	1	0.81
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB2	1	0.81
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB3	1	0.81
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB2	14	0.81
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB3	14	0.81
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB2	14	0.81
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB3	14	0.81
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB2	14	0.81
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB3	14	0.81
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	9	0.81
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE22	9	0.81
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	9	0.81
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE22	9	0.81
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	9	0.81
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE22	9	0.81
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB2	14	0.81
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB3	14	0.81
(3,1252)	1:150:A:LEU:HD11	1:153:A:PRO:HD2	2	0.81
(3,1252)	1:150:A:LEU:HD12	1:153:A:PRO:HD2	2	0.81
(3,1252)	1:150:A:LEU:HD13	1:153:A:PRO:HD2	2	0.81
(3,1252)	1:150:A:LEU:HD11	1:153:A:PRO:HD3	2	0.81
(3,1252)	1:150:A:LEU:HD12	1:153:A:PRO:HD3	2	0.81
(3,1252)	1:150:A:LEU:HD13	1:153:A:PRO:HD3	2	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG21	8	0.81
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG22	8	0.81
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG23	8	0.81
(3,952)	1:70:A:LEU:HD21	1:73:A:VAL:H	19	0.81
(3,952)	1:70:A:LEU:HD22	1:73:A:VAL:H	19	0.81
(3,952)	1:70:A:LEU:HD23	1:73:A:VAL:H	19	0.81
(3,897)	1:105:A:VAL:HG21	1:125:A:THR:H	16	0.81
(3,897)	1:105:A:VAL:HG22	1:125:A:THR:H	16	0.81
(3,897)	1:105:A:VAL:HG23	1:125:A:THR:H	16	0.81
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD21	15	0.81
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD22	15	0.81
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD23	15	0.81
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG12	19	0.81
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG13	19	0.81
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE1	19	0.81
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE2	19	0.81
(3,404)	1:118:A:LEU:HD11	1:132:A:TYR:H	11	0.81
(3,404)	1:118:A:LEU:HD12	1:132:A:TYR:H	11	0.81
(3,404)	1:118:A:LEU:HD13	1:132:A:TYR:H	11	0.81
(3,1831)	1:32:A:ARG:HD2	1:37:A:GLY:H	11	0.8
(3,1831)	1:32:A:ARG:HD3	1:37:A:GLY:H	11	0.8
(3,1571)	1:70:A:LEU:HD21	1:139:A:PHE:HD1	5	0.8
(3,1571)	1:70:A:LEU:HD21	1:139:A:PHE:HD2	5	0.8
(3,1571)	1:70:A:LEU:HD22	1:139:A:PHE:HD1	5	0.8
(3,1571)	1:70:A:LEU:HD22	1:139:A:PHE:HD2	5	0.8
(3,1571)	1:70:A:LEU:HD23	1:139:A:PHE:HD1	5	0.8
(3,1571)	1:70:A:LEU:HD23	1:139:A:PHE:HD2	5	0.8
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB1	19	0.8
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB2	19	0.8
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB3	19	0.8
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB1	19	0.8
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB2	19	0.8
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB3	19	0.8
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB1	19	0.8
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB2	19	0.8
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB3	19	0.8
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE1	18	0.8
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE2	18	0.8
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE1	18	0.8
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE2	18	0.8
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE1	18	0.8
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE2	18	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG21	7	0.8
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG22	7	0.8
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG23	7	0.8
(3,1308)	1:20:A:LEU:HD21	1:58:A:THR:HA	10	0.8
(3,1308)	1:20:A:LEU:HD22	1:58:A:THR:HA	10	0.8
(3,1308)	1:20:A:LEU:HD23	1:58:A:THR:HA	10	0.8
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD11	3	0.8
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD12	3	0.8
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD13	3	0.8
(3,848)	1:92:A:LYS:H	1:139:A:PHE:HE1	14	0.8
(3,848)	1:92:A:LYS:H	1:139:A:PHE:HE2	14	0.8
(3,668)	1:56:A:ALA:HB1	1:133:A:GLN:HE21	14	0.8
(3,668)	1:56:A:ALA:HB2	1:133:A:GLN:HE21	14	0.8
(3,668)	1:56:A:ALA:HB3	1:133:A:GLN:HE21	14	0.8
(3,625)	1:110:A:LEU:HG	1:135:A:THR:H	18	0.8
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE1	4	0.8
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE2	4	0.8
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD11	17	0.8
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD12	17	0.8
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD13	17	0.8
(2,1)	1:109:A:PHE:H	1:134:A:THR:HB	8	0.8
(3,2216)	1:150:A:LEU:HD11	1:153:A:PRO:HD2	9	0.79
(3,2216)	1:150:A:LEU:HD11	1:153:A:PRO:HD3	9	0.79
(3,2216)	1:150:A:LEU:HD12	1:153:A:PRO:HD2	9	0.79
(3,2216)	1:150:A:LEU:HD12	1:153:A:PRO:HD3	9	0.79
(3,2216)	1:150:A:LEU:HD13	1:153:A:PRO:HD2	9	0.79
(3,2216)	1:150:A:LEU:HD13	1:153:A:PRO:HD3	9	0.79
(3,1493)	1:107:A:VAL:HG11	1:118:A:LEU:HG	13	0.79
(3,1493)	1:107:A:VAL:HG12	1:118:A:LEU:HG	13	0.79
(3,1493)	1:107:A:VAL:HG13	1:118:A:LEU:HG	13	0.79
(3,1456)	1:70:A:LEU:HD21	1:94:A:ILE:HD11	6	0.79
(3,1456)	1:70:A:LEU:HD21	1:94:A:ILE:HD12	6	0.79
(3,1456)	1:70:A:LEU:HD21	1:94:A:ILE:HD13	6	0.79
(3,1456)	1:70:A:LEU:HD22	1:94:A:ILE:HD11	6	0.79
(3,1456)	1:70:A:LEU:HD22	1:94:A:ILE:HD12	6	0.79
(3,1456)	1:70:A:LEU:HD22	1:94:A:ILE:HD13	6	0.79
(3,1456)	1:70:A:LEU:HD23	1:94:A:ILE:HD11	6	0.79
(3,1456)	1:70:A:LEU:HD23	1:94:A:ILE:HD12	6	0.79
(3,1456)	1:70:A:LEU:HD23	1:94:A:ILE:HD13	6	0.79
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG11	11	0.79
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG12	11	0.79
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG13	11	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG11	11	0.79
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG12	11	0.79
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG13	11	0.79
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG11	11	0.79
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG12	11	0.79
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG13	11	0.79
(3,1218)	1:26:A:LEU:HD21	1:27:A:GLN:HA	8	0.79
(3,1218)	1:26:A:LEU:HD22	1:27:A:GLN:HA	8	0.79
(3,1218)	1:26:A:LEU:HD23	1:27:A:GLN:HA	8	0.79
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD11	15	0.79
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD12	15	0.79
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD13	15	0.79
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD11	15	0.79
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD12	15	0.79
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD13	15	0.79
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD11	15	0.79
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD12	15	0.79
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD13	15	0.79
(3,848)	1:92:A:LYS:H	1:139:A:PHE:HE1	12	0.79
(3,848)	1:92:A:LYS:H	1:139:A:PHE:HE2	12	0.79
(3,765)	1:29:A:ALA:HA	1:33:A:HIS:H	6	0.79
(3,763)	1:32:A:ARG:H	1:35:A:GLU:H	11	0.79
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE1	12	0.79
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE2	12	0.79
(3,307)	1:33:A:HIS:H	1:43:A:VAL:HB	5	0.79
(3,140)	1:144:A:ALA:HA	1:152:A:LEU:H	17	0.79
(3,23)	1:122:A:GLU:HB2	1:129:A:VAL:H	17	0.79
(3,23)	1:122:A:GLU:HB2	1:129:A:VAL:H	19	0.79
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB2	18	0.78
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB3	18	0.78
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB2	18	0.78
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB3	18	0.78
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB2	18	0.78
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB3	18	0.78
(3,1651)	1:107:A:VAL:HG21	1:118:A:LEU:HD11	11	0.78
(3,1651)	1:107:A:VAL:HG21	1:118:A:LEU:HD12	11	0.78
(3,1651)	1:107:A:VAL:HG21	1:118:A:LEU:HD13	11	0.78
(3,1651)	1:107:A:VAL:HG22	1:118:A:LEU:HD11	11	0.78
(3,1651)	1:107:A:VAL:HG22	1:118:A:LEU:HD12	11	0.78
(3,1651)	1:107:A:VAL:HG22	1:118:A:LEU:HD13	11	0.78
(3,1651)	1:107:A:VAL:HG23	1:118:A:LEU:HD11	11	0.78
(3,1651)	1:107:A:VAL:HG23	1:118:A:LEU:HD12	11	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1651)	1:107:A:VAL:HG23	1:118:A:LEU:HD13	11	0.78
(3,1456)	1:70:A:LEU:HD21	1:94:A:ILE:HD11	5	0.78
(3,1456)	1:70:A:LEU:HD21	1:94:A:ILE:HD12	5	0.78
(3,1456)	1:70:A:LEU:HD21	1:94:A:ILE:HD13	5	0.78
(3,1456)	1:70:A:LEU:HD22	1:94:A:ILE:HD11	5	0.78
(3,1456)	1:70:A:LEU:HD22	1:94:A:ILE:HD12	5	0.78
(3,1456)	1:70:A:LEU:HD22	1:94:A:ILE:HD13	5	0.78
(3,1456)	1:70:A:LEU:HD23	1:94:A:ILE:HD11	5	0.78
(3,1456)	1:70:A:LEU:HD23	1:94:A:ILE:HD12	5	0.78
(3,1456)	1:70:A:LEU:HD23	1:94:A:ILE:HD13	5	0.78
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD2	10	0.78
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD3	10	0.78
(3,1308)	1:20:A:LEU:HD21	1:58:A:THR:HA	4	0.78
(3,1308)	1:20:A:LEU:HD22	1:58:A:THR:HA	4	0.78
(3,1308)	1:20:A:LEU:HD23	1:58:A:THR:HA	4	0.78
(3,1308)	1:20:A:LEU:HD21	1:58:A:THR:HA	16	0.78
(3,1308)	1:20:A:LEU:HD22	1:58:A:THR:HA	16	0.78
(3,1308)	1:20:A:LEU:HD23	1:58:A:THR:HA	16	0.78
(3,1252)	1:150:A:LEU:HD11	1:153:A:PRO:HD2	7	0.78
(3,1252)	1:150:A:LEU:HD12	1:153:A:PRO:HD2	7	0.78
(3,1252)	1:150:A:LEU:HD13	1:153:A:PRO:HD2	7	0.78
(3,1252)	1:150:A:LEU:HD11	1:153:A:PRO:HD3	7	0.78
(3,1252)	1:150:A:LEU:HD12	1:153:A:PRO:HD3	7	0.78
(3,1252)	1:150:A:LEU:HD13	1:153:A:PRO:HD3	7	0.78
(3,1218)	1:26:A:LEU:HD21	1:27:A:GLN:HA	12	0.78
(3,1218)	1:26:A:LEU:HD22	1:27:A:GLN:HA	12	0.78
(3,1218)	1:26:A:LEU:HD23	1:27:A:GLN:HA	12	0.78
(3,1134)	1:134:A:THR:HG21	1:139:A:PHE:HD1	6	0.78
(3,1134)	1:134:A:THR:HG21	1:139:A:PHE:HD2	6	0.78
(3,1134)	1:134:A:THR:HG22	1:139:A:PHE:HD1	6	0.78
(3,1134)	1:134:A:THR:HG22	1:139:A:PHE:HD2	6	0.78
(3,1134)	1:134:A:THR:HG23	1:139:A:PHE:HD1	6	0.78
(3,1134)	1:134:A:THR:HG23	1:139:A:PHE:HD2	6	0.78
(3,952)	1:70:A:LEU:HD21	1:73:A:VAL:H	15	0.78
(3,952)	1:70:A:LEU:HD22	1:73:A:VAL:H	15	0.78
(3,952)	1:70:A:LEU:HD23	1:73:A:VAL:H	15	0.78
(3,897)	1:105:A:VAL:HG21	1:125:A:THR:H	6	0.78
(3,897)	1:105:A:VAL:HG22	1:125:A:THR:H	6	0.78
(3,897)	1:105:A:VAL:HG23	1:125:A:THR:H	6	0.78
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD21	16	0.78
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD22	16	0.78
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD23	16	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,643)	1:33:A:HIS:HA	1:37:A:GLY:H	1	0.78
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE1	11	0.78
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE2	11	0.78
(3,469)	1:83:A:LEU:HD11	1:87:A:LYS:H	8	0.78
(3,469)	1:83:A:LEU:HD12	1:87:A:LYS:H	8	0.78
(3,469)	1:83:A:LEU:HD13	1:87:A:LYS:H	8	0.78
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD2	12	0.78
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD3	12	0.78
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE1	18	0.78
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE2	18	0.78
(3,53)	1:83:A:LEU:HG	1:88:A:ALA:H	4	0.78
(4,13)	1:109:A:PHE:O	1:134:A:THR:N	1	0.77
(3,2162)	1:122:A:GLU:HG2	1:129:A:VAL:H	19	0.77
(3,2162)	1:122:A:GLU:HG3	1:129:A:VAL:H	19	0.77
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG2	15	0.77
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG3	15	0.77
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB2	9	0.77
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB3	9	0.77
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB2	9	0.77
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB3	9	0.77
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB2	9	0.77
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB3	9	0.77
(3,1937)	1:58:A:THR:HG21	1:62:A:ARG:HG2	15	0.77
(3,1937)	1:58:A:THR:HG21	1:62:A:ARG:HG3	15	0.77
(3,1937)	1:58:A:THR:HG22	1:62:A:ARG:HG2	15	0.77
(3,1937)	1:58:A:THR:HG22	1:62:A:ARG:HG3	15	0.77
(3,1937)	1:58:A:THR:HG23	1:62:A:ARG:HG2	15	0.77
(3,1937)	1:58:A:THR:HG23	1:62:A:ARG:HG3	15	0.77
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG2	11	0.77
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG3	11	0.77
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG2	11	0.77
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG3	11	0.77
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG2	11	0.77
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG3	11	0.77
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG21	18	0.77
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG22	18	0.77
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG23	18	0.77
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG21	18	0.77
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG22	18	0.77
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG23	18	0.77
(3,1493)	1:107:A:VAL:HG11	1:118:A:LEU:HG	19	0.77
(3,1493)	1:107:A:VAL:HG12	1:118:A:LEU:HG	19	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1493)	1:107:A:VAL:HG13	1:118:A:LEU:HG	19	0.77
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD21	20	0.77
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD22	20	0.77
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD23	20	0.77
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG21	5	0.77
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG22	5	0.77
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG23	5	0.77
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG21	5	0.77
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG22	5	0.77
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG23	5	0.77
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG21	5	0.77
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG22	5	0.77
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG23	5	0.77
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG21	14	0.77
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG22	14	0.77
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG23	14	0.77
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD21	9	0.77
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD22	9	0.77
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD23	9	0.77
(3,673)	1:59:A:ILE:HG21	1:133:A:GLN:HE22	7	0.77
(3,673)	1:59:A:ILE:HG22	1:133:A:GLN:HE22	7	0.77
(3,673)	1:59:A:ILE:HG23	1:133:A:GLN:HE22	7	0.77
(3,409)	1:109:A:PHE:HD1	1:132:A:TYR:H	2	0.77
(3,409)	1:109:A:PHE:HD2	1:132:A:TYR:H	2	0.77
(3,307)	1:33:A:HIS:H	1:43:A:VAL:HB	15	0.77
(3,205)	1:105:A:VAL:HG11	1:127:A:LEU:H	16	0.77
(3,205)	1:105:A:VAL:HG12	1:127:A:LEU:H	16	0.77
(3,205)	1:105:A:VAL:HG13	1:127:A:LEU:H	16	0.77
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE1	1	0.77
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE2	1	0.77
(3,74)	1:5:A:THR:HG21	1:40:A:LEU:H	1	0.77
(3,74)	1:5:A:THR:HG22	1:40:A:LEU:H	1	0.77
(3,74)	1:5:A:THR:HG23	1:40:A:LEU:H	1	0.77
(4,13)	1:109:A:PHE:O	1:134:A:THR:N	10	0.76
(3,1940)	1:59:A:ILE:H	1:133:A:GLN:HE21	14	0.76
(3,1940)	1:59:A:ILE:H	1:133:A:GLN:HE22	14	0.76
(3,1831)	1:32:A:ARG:HD2	1:37:A:GLY:H	19	0.76
(3,1831)	1:32:A:ARG:HD3	1:37:A:GLY:H	19	0.76
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB2	7	0.76
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB3	7	0.76
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB2	7	0.76
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB3	7	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB2	7	0.76
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB3	7	0.76
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD2	10	0.76
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD3	10	0.76
(3,1658)	1:93:A:ALA:HB1	1:121:A:VAL:HG11	16	0.76
(3,1658)	1:93:A:ALA:HB1	1:121:A:VAL:HG12	16	0.76
(3,1658)	1:93:A:ALA:HB1	1:121:A:VAL:HG13	16	0.76
(3,1658)	1:93:A:ALA:HB2	1:121:A:VAL:HG11	16	0.76
(3,1658)	1:93:A:ALA:HB2	1:121:A:VAL:HG12	16	0.76
(3,1658)	1:93:A:ALA:HB2	1:121:A:VAL:HG13	16	0.76
(3,1658)	1:93:A:ALA:HB3	1:121:A:VAL:HG11	16	0.76
(3,1658)	1:93:A:ALA:HB3	1:121:A:VAL:HG12	16	0.76
(3,1658)	1:93:A:ALA:HB3	1:121:A:VAL:HG13	16	0.76
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD21	5	0.76
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD22	5	0.76
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD23	5	0.76
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG21	11	0.76
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG22	11	0.76
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG23	11	0.76
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG21	11	0.76
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG22	11	0.76
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG23	11	0.76
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG21	11	0.76
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG22	11	0.76
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG23	11	0.76
(3,1273)	1:13:A:ALA:HB1	1:16:A:LEU:HB3	3	0.76
(3,1273)	1:13:A:ALA:HB2	1:16:A:LEU:HB3	3	0.76
(3,1273)	1:13:A:ALA:HB3	1:16:A:LEU:HB3	3	0.76
(3,710)	1:7:A:GLY:H	1:115:A:THR:HB	13	0.76
(3,497)	1:143:A:LEU:HA	1:147:A:TYR:H	18	0.76
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD11	12	0.76
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD12	12	0.76
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD13	12	0.76
(3,1956)	1:61:A:ASP:H	1:62:A:ARG:HG2	17	0.75
(3,1956)	1:61:A:ASP:H	1:62:A:ARG:HG3	17	0.75
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD2	14	0.75
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD3	14	0.75
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG2	2	0.75
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG3	2	0.75
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG2	2	0.75
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG3	2	0.75
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG2	2	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG3	2	0.75
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG21	2	0.75
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG22	2	0.75
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG23	2	0.75
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG21	2	0.75
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG22	2	0.75
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG23	2	0.75
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG21	2	0.75
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG22	2	0.75
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG23	2	0.75
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD21	9	0.75
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD22	9	0.75
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD23	9	0.75
(3,1238)	1:32:A:ARG:HD3	1:36:A:VAL:HG21	7	0.75
(3,1238)	1:32:A:ARG:HD3	1:36:A:VAL:HG22	7	0.75
(3,1238)	1:32:A:ARG:HD3	1:36:A:VAL:HG23	7	0.75
(3,1235)	1:83:A:LEU:HD21	1:121:A:VAL:HA	3	0.75
(3,1235)	1:83:A:LEU:HD22	1:121:A:VAL:HA	3	0.75
(3,1235)	1:83:A:LEU:HD23	1:121:A:VAL:HA	3	0.75
(3,1196)	1:56:A:ALA:HA	1:133:A:GLN:HE22	5	0.75
(3,896)	1:83:A:LEU:HD21	1:125:A:THR:H	14	0.75
(3,896)	1:83:A:LEU:HD22	1:125:A:THR:H	14	0.75
(3,896)	1:83:A:LEU:HD23	1:125:A:THR:H	14	0.75
(3,853)	1:93:A:ALA:H	1:139:A:PHE:HD1	11	0.75
(3,853)	1:93:A:ALA:H	1:139:A:PHE:HD2	11	0.75
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD21	1	0.75
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD22	1	0.75
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD23	1	0.75
(3,202)	1:122:A:GLU:HA	1:127:A:LEU:H	15	0.75
(3,74)	1:5:A:THR:HG21	1:40:A:LEU:H	12	0.75
(3,74)	1:5:A:THR:HG22	1:40:A:LEU:H	12	0.75
(3,74)	1:5:A:THR:HG23	1:40:A:LEU:H	12	0.75
(4,14)	1:109:A:PHE:O	1:134:A:THR:H	8	0.74
(3,2162)	1:122:A:GLU:HG2	1:129:A:VAL:H	14	0.74
(3,2162)	1:122:A:GLU:HG3	1:129:A:VAL:H	14	0.74
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD2	4	0.74
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD3	4	0.74
(3,1651)	1:107:A:VAL:HG21	1:118:A:LEU:HD11	19	0.74
(3,1651)	1:107:A:VAL:HG21	1:118:A:LEU:HD12	19	0.74
(3,1651)	1:107:A:VAL:HG21	1:118:A:LEU:HD13	19	0.74
(3,1651)	1:107:A:VAL:HG22	1:118:A:LEU:HD11	19	0.74
(3,1651)	1:107:A:VAL:HG22	1:118:A:LEU:HD12	19	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1651)	1:107:A:VAL:HG22	1:118:A:LEU:HD13	19	0.74
(3,1651)	1:107:A:VAL:HG23	1:118:A:LEU:HD11	19	0.74
(3,1651)	1:107:A:VAL:HG23	1:118:A:LEU:HD12	19	0.74
(3,1651)	1:107:A:VAL:HG23	1:118:A:LEU:HD13	19	0.74
(3,1567)	1:70:A:LEU:HD11	1:134:A:THR:HB	8	0.74
(3,1567)	1:70:A:LEU:HD12	1:134:A:THR:HB	8	0.74
(3,1567)	1:70:A:LEU:HD13	1:134:A:THR:HB	8	0.74
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD21	3	0.74
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD22	3	0.74
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD23	3	0.74
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD21	3	0.74
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD22	3	0.74
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD23	3	0.74
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD21	3	0.74
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD22	3	0.74
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD23	3	0.74
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD21	17	0.74
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD22	17	0.74
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD23	17	0.74
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD21	17	0.74
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD22	17	0.74
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD23	17	0.74
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD21	17	0.74
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD22	17	0.74
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD23	17	0.74
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG21	5	0.74
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG22	5	0.74
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG23	5	0.74
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG21	5	0.74
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG22	5	0.74
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG23	5	0.74
(3,1218)	1:26:A:LEU:HD21	1:27:A:GLN:HA	16	0.74
(3,1218)	1:26:A:LEU:HD22	1:27:A:GLN:HA	16	0.74
(3,1218)	1:26:A:LEU:HD23	1:27:A:GLN:HA	16	0.74
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD21	9	0.74
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD22	9	0.74
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD23	9	0.74
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD21	9	0.74
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD22	9	0.74
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD23	9	0.74
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD21	9	0.74
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD22	9	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD23	9	0.74
(3,673)	1:59:A:ILE:HG21	1:133:A:GLN:HE22	14	0.74
(3,673)	1:59:A:ILE:HG22	1:133:A:GLN:HE22	14	0.74
(3,673)	1:59:A:ILE:HG23	1:133:A:GLN:HE22	14	0.74
(4,11)	1:52:A:GLU:OE2	1:136:A:LYS:N	14	0.73
(3,2216)	1:150:A:LEU:HD11	1:153:A:PRO:HD2	19	0.73
(3,2216)	1:150:A:LEU:HD11	1:153:A:PRO:HD3	19	0.73
(3,2216)	1:150:A:LEU:HD12	1:153:A:PRO:HD2	19	0.73
(3,2216)	1:150:A:LEU:HD12	1:153:A:PRO:HD3	19	0.73
(3,2216)	1:150:A:LEU:HD13	1:153:A:PRO:HD2	19	0.73
(3,2216)	1:150:A:LEU:HD13	1:153:A:PRO:HD3	19	0.73
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB2	7	0.73
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB3	7	0.73
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB2	7	0.73
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB3	7	0.73
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB2	7	0.73
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB3	7	0.73
(3,1997)	1:73:A:VAL:HG21	1:96:A:PHE:HB2	5	0.73
(3,1997)	1:73:A:VAL:HG21	1:96:A:PHE:HB3	5	0.73
(3,1997)	1:73:A:VAL:HG22	1:96:A:PHE:HB2	5	0.73
(3,1997)	1:73:A:VAL:HG22	1:96:A:PHE:HB3	5	0.73
(3,1997)	1:73:A:VAL:HG23	1:96:A:PHE:HB2	5	0.73
(3,1997)	1:73:A:VAL:HG23	1:96:A:PHE:HB3	5	0.73
(3,1950)	1:60:A:GLU:H	1:133:A:GLN:HE21	5	0.73
(3,1950)	1:60:A:GLU:H	1:133:A:GLN:HE22	5	0.73
(3,1880)	1:45:A:VAL:HA	1:51:A:SER:HB2	20	0.73
(3,1880)	1:45:A:VAL:HA	1:51:A:SER:HB3	20	0.73
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD11	17	0.73
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD12	17	0.73
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD13	17	0.73
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG21	9	0.73
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG22	9	0.73
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG23	9	0.73
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG21	9	0.73
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG22	9	0.73
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG23	9	0.73
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG21	9	0.73
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG22	9	0.73
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG23	9	0.73
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG21	6	0.73
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG22	6	0.73
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG23	6	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1258)	1:68:A:VAL:HG21	1:134:A:THR:HB	5	0.73
(3,1258)	1:68:A:VAL:HG22	1:134:A:THR:HB	5	0.73
(3,1258)	1:68:A:VAL:HG23	1:134:A:THR:HB	5	0.73
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD11	20	0.73
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD12	20	0.73
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD13	20	0.73
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD21	8	0.73
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD22	8	0.73
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD23	8	0.73
(3,684)	1:48:A:GLY:H	1:49:A:LEU:HG	8	0.73
(3,670)	1:59:A:ILE:HB	1:133:A:GLN:HE22	2	0.73
(3,668)	1:56:A:ALA:HB1	1:133:A:GLN:HE21	15	0.73
(3,668)	1:56:A:ALA:HB2	1:133:A:GLN:HE21	15	0.73
(3,668)	1:56:A:ALA:HB3	1:133:A:GLN:HE21	15	0.73
(3,666)	1:59:A:ILE:HB	1:133:A:GLN:HE21	9	0.73
(3,660)	1:32:A:ARG:HA	1:36:A:VAL:H	17	0.73
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE1	16	0.73
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE2	16	0.73
(3,404)	1:118:A:LEU:HD11	1:132:A:TYR:H	4	0.73
(3,404)	1:118:A:LEU:HD12	1:132:A:TYR:H	4	0.73
(3,404)	1:118:A:LEU:HD13	1:132:A:TYR:H	4	0.73
(3,145)	1:144:A:ALA:HB1	1:152:A:LEU:H	20	0.73
(3,145)	1:144:A:ALA:HB2	1:152:A:LEU:H	20	0.73
(3,145)	1:144:A:ALA:HB3	1:152:A:LEU:H	20	0.73
(3,124)	1:67:A:LEU:H	1:132:A:TYR:HD1	5	0.73
(3,124)	1:67:A:LEU:H	1:132:A:TYR:HD2	5	0.73
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD11	13	0.73
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD12	13	0.73
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD13	13	0.73
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD11	19	0.73
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD12	19	0.73
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD13	19	0.73
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG21	4	0.73
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG22	4	0.73
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG23	4	0.73
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG21	16	0.72
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG22	16	0.72
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG23	16	0.72
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG21	16	0.72
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG22	16	0.72
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG23	16	0.72
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD11	11	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD12	11	0.72
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD13	11	0.72
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD11	11	0.72
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD12	11	0.72
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD13	11	0.72
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD11	11	0.72
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD12	11	0.72
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD13	11	0.72
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG11	8	0.72
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG12	8	0.72
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG13	8	0.72
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG11	8	0.72
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG12	8	0.72
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG13	8	0.72
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG11	8	0.72
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG12	8	0.72
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG13	8	0.72
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB1	5	0.72
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB2	5	0.72
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB3	5	0.72
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB1	5	0.72
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB2	5	0.72
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB3	5	0.72
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB1	5	0.72
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB2	5	0.72
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB3	5	0.72
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG21	14	0.72
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG22	14	0.72
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG23	14	0.72
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG21	14	0.72
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG22	14	0.72
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG23	14	0.72
(3,1196)	1:56:A:ALA:HA	1:133:A:GLN:HE22	7	0.72
(3,1091)	1:58:A:THR:HA	1:61:A:ASP:HB2	1	0.72
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD21	19	0.72
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD22	19	0.72
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD23	19	0.72
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD21	19	0.72
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD22	19	0.72
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD23	19	0.72
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD21	19	0.72
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD22	19	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD23	19	0.72
(3,933)	1:91:A:LEU:HD11	1:120:A:GLU:H	14	0.72
(3,933)	1:91:A:LEU:HD12	1:120:A:GLU:H	14	0.72
(3,933)	1:91:A:LEU:HD13	1:120:A:GLU:H	14	0.72
(3,700)	1:124:A:LEU:HD11	1:125:A:THR:H	1	0.72
(3,700)	1:124:A:LEU:HD12	1:125:A:THR:H	1	0.72
(3,700)	1:124:A:LEU:HD13	1:125:A:THR:H	1	0.72
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE1	14	0.72
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE2	14	0.72
(3,409)	1:109:A:PHE:HD1	1:132:A:TYR:H	13	0.72
(3,409)	1:109:A:PHE:HD2	1:132:A:TYR:H	13	0.72
(3,385)	1:75:A:ILE:HG21	1:80:A:LYS:H	16	0.72
(3,385)	1:75:A:ILE:HG22	1:80:A:LYS:H	16	0.72
(3,385)	1:75:A:ILE:HG23	1:80:A:LYS:H	16	0.72
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG11	10	0.72
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG12	10	0.72
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG13	10	0.72
(3,2113)	1:110:A:LEU:HD11	1:136:A:LYS:HB2	16	0.71
(3,2113)	1:110:A:LEU:HD11	1:136:A:LYS:HB3	16	0.71
(3,2113)	1:110:A:LEU:HD12	1:136:A:LYS:HB2	16	0.71
(3,2113)	1:110:A:LEU:HD12	1:136:A:LYS:HB3	16	0.71
(3,2113)	1:110:A:LEU:HD13	1:136:A:LYS:HB2	16	0.71
(3,2113)	1:110:A:LEU:HD13	1:136:A:LYS:HB3	16	0.71
(3,2003)	1:75:A:ILE:HG21	1:95:A:PRO:HB2	10	0.71
(3,2003)	1:75:A:ILE:HG21	1:95:A:PRO:HB3	10	0.71
(3,2003)	1:75:A:ILE:HG22	1:95:A:PRO:HB2	10	0.71
(3,2003)	1:75:A:ILE:HG22	1:95:A:PRO:HB3	10	0.71
(3,2003)	1:75:A:ILE:HG23	1:95:A:PRO:HB2	10	0.71
(3,2003)	1:75:A:ILE:HG23	1:95:A:PRO:HB3	10	0.71
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG2	17	0.71
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG3	17	0.71
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG2	17	0.71
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG3	17	0.71
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG2	17	0.71
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG3	17	0.71
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG21	8	0.71
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG22	8	0.71
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG23	8	0.71
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG21	8	0.71
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG22	8	0.71
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG23	8	0.71
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG21	8	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG22	8	0.71
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG23	8	0.71
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG21	17	0.71
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG22	17	0.71
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG23	17	0.71
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG21	17	0.71
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG22	17	0.71
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG23	17	0.71
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG21	17	0.71
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG22	17	0.71
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG23	17	0.71
(3,1293)	1:43:A:VAL:HG21	1:44:A:LEU:HA	19	0.71
(3,1293)	1:43:A:VAL:HG22	1:44:A:LEU:HA	19	0.71
(3,1293)	1:43:A:VAL:HG23	1:44:A:LEU:HA	19	0.71
(3,1277)	1:14:A:ALA:HB1	1:62:A:ARG:HD2	7	0.71
(3,1277)	1:14:A:ALA:HB2	1:62:A:ARG:HD2	7	0.71
(3,1277)	1:14:A:ALA:HB3	1:62:A:ARG:HD2	7	0.71
(3,1277)	1:14:A:ALA:HB1	1:62:A:ARG:HD3	7	0.71
(3,1277)	1:14:A:ALA:HB2	1:62:A:ARG:HD3	7	0.71
(3,1277)	1:14:A:ALA:HB3	1:62:A:ARG:HD3	7	0.71
(3,1218)	1:26:A:LEU:HD21	1:27:A:GLN:HA	2	0.71
(3,1218)	1:26:A:LEU:HD22	1:27:A:GLN:HA	2	0.71
(3,1218)	1:26:A:LEU:HD23	1:27:A:GLN:HA	2	0.71
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD11	6	0.71
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD12	6	0.71
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD13	6	0.71
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD11	6	0.71
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD12	6	0.71
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD13	6	0.71
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD11	6	0.71
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD12	6	0.71
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD13	6	0.71
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD21	20	0.71
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD22	20	0.71
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD23	20	0.71
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD21	20	0.71
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD22	20	0.71
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD23	20	0.71
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD21	20	0.71
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD22	20	0.71
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD23	20	0.71
(3,666)	1:59:A:ILE:HB	1:133:A:GLN:HE21	8	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,469)	1:83:A:LEU:HD11	1:87:A:LYS:H	6	0.71
(3,469)	1:83:A:LEU:HD12	1:87:A:LYS:H	6	0.71
(3,469)	1:83:A:LEU:HD13	1:87:A:LYS:H	6	0.71
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG2	13	0.7
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG3	13	0.7
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB2	6	0.7
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB3	6	0.7
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB2	6	0.7
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB3	6	0.7
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB2	6	0.7
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB3	6	0.7
(3,1911)	1:51:A:SER:H	1:54:A:ARG:HG2	7	0.7
(3,1911)	1:51:A:SER:H	1:54:A:ARG:HG3	7	0.7
(3,1336)	1:88:A:ALA:HA	1:90:A:GLU:HG2	19	0.7
(3,1336)	1:88:A:ALA:HA	1:90:A:GLU:HG3	19	0.7
(3,1335)	1:55:A:ILE:H	1:58:A:THR:HG21	7	0.7
(3,1335)	1:55:A:ILE:H	1:58:A:THR:HG22	7	0.7
(3,1335)	1:55:A:ILE:H	1:58:A:THR:HG23	7	0.7
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD21	2	0.7
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD22	2	0.7
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD23	2	0.7
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD21	2	0.7
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD22	2	0.7
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD23	2	0.7
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD21	2	0.7
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD22	2	0.7
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD23	2	0.7
(3,1310)	1:55:A:ILE:HG21	1:58:A:THR:HB	8	0.7
(3,1310)	1:55:A:ILE:HG22	1:58:A:THR:HB	8	0.7
(3,1310)	1:55:A:ILE:HG23	1:58:A:THR:HB	8	0.7
(3,1091)	1:58:A:THR:HA	1:61:A:ASP:HB2	2	0.7
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD21	19	0.7
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD22	19	0.7
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD23	19	0.7
(3,666)	1:59:A:ILE:HB	1:133:A:GLN:HE21	10	0.7
(3,625)	1:110:A:LEU:HG	1:135:A:THR:H	12	0.7
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD11	20	0.7
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD12	20	0.7
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD13	20	0.7
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE1	3	0.7
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE2	3	0.7
(4,22)	1:5:A:THR:H	1:8:A:ASP:OD2	6	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2162)	1:122:A:GLU:HG2	1:129:A:VAL:H	20	0.69
(3,2162)	1:122:A:GLU:HG3	1:129:A:VAL:H	20	0.69
(3,2056)	1:91:A:LEU:HD11	1:120:A:GLU:HB2	3	0.69
(3,2056)	1:91:A:LEU:HD11	1:120:A:GLU:HB3	3	0.69
(3,2056)	1:91:A:LEU:HD12	1:120:A:GLU:HB2	3	0.69
(3,2056)	1:91:A:LEU:HD12	1:120:A:GLU:HB3	3	0.69
(3,2056)	1:91:A:LEU:HD13	1:120:A:GLU:HB2	3	0.69
(3,2056)	1:91:A:LEU:HD13	1:120:A:GLU:HB3	3	0.69
(3,2046)	1:89:A:LYS:HB2	1:143:A:LEU:HD21	11	0.69
(3,2046)	1:89:A:LYS:HB2	1:143:A:LEU:HD22	11	0.69
(3,2046)	1:89:A:LYS:HB2	1:143:A:LEU:HD23	11	0.69
(3,2046)	1:89:A:LYS:HB3	1:143:A:LEU:HD21	11	0.69
(3,2046)	1:89:A:LYS:HB3	1:143:A:LEU:HD22	11	0.69
(3,2046)	1:89:A:LYS:HB3	1:143:A:LEU:HD23	11	0.69
(3,1831)	1:32:A:ARG:HD2	1:37:A:GLY:H	12	0.69
(3,1831)	1:32:A:ARG:HD3	1:37:A:GLY:H	12	0.69
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD21	17	0.69
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD22	17	0.69
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD23	17	0.69
(3,1310)	1:55:A:ILE:HG21	1:58:A:THR:HB	1	0.69
(3,1310)	1:55:A:ILE:HG22	1:58:A:THR:HB	1	0.69
(3,1310)	1:55:A:ILE:HG23	1:58:A:THR:HB	1	0.69
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB1	14	0.69
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB2	14	0.69
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB3	14	0.69
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB1	14	0.69
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB2	14	0.69
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB3	14	0.69
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB1	14	0.69
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB2	14	0.69
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB3	14	0.69
(3,1218)	1:26:A:LEU:HD21	1:27:A:GLN:HA	5	0.69
(3,1218)	1:26:A:LEU:HD22	1:27:A:GLN:HA	5	0.69
(3,1218)	1:26:A:LEU:HD23	1:27:A:GLN:HA	5	0.69
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG21	6	0.69
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG22	6	0.69
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG23	6	0.69
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG21	6	0.69
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG22	6	0.69
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG23	6	0.69
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG21	6	0.69
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG22	6	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG23	6	0.69
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD21	19	0.69
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD22	19	0.69
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD23	19	0.69
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD21	19	0.69
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD22	19	0.69
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD23	19	0.69
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD21	19	0.69
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD22	19	0.69
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD23	19	0.69
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD21	7	0.69
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD22	7	0.69
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD23	7	0.69
(3,700)	1:124:A:LEU:HD11	1:125:A:THR:H	18	0.69
(3,700)	1:124:A:LEU:HD12	1:125:A:THR:H	18	0.69
(3,700)	1:124:A:LEU:HD13	1:125:A:THR:H	18	0.69
(3,275)	1:11:A:LEU:HA	1:13:A:ALA:H	11	0.69
(3,96)	1:107:A:VAL:H	1:132:A:TYR:HE1	5	0.69
(3,96)	1:107:A:VAL:H	1:132:A:TYR:HE2	5	0.69
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE1	19	0.69
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE2	19	0.69
(3,74)	1:5:A:THR:HG21	1:40:A:LEU:H	4	0.69
(3,74)	1:5:A:THR:HG22	1:40:A:LEU:H	4	0.69
(3,74)	1:5:A:THR:HG23	1:40:A:LEU:H	4	0.69
(3,22)	1:122:A:GLU:HA	1:129:A:VAL:H	5	0.69
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG21	15	0.69
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG22	15	0.69
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG23	15	0.69
(4,14)	1:109:A:PHE:O	1:134:A:THR:H	14	0.68
(3,1997)	1:73:A:VAL:HG21	1:96:A:PHE:HB2	20	0.68
(3,1997)	1:73:A:VAL:HG21	1:96:A:PHE:HB3	20	0.68
(3,1997)	1:73:A:VAL:HG22	1:96:A:PHE:HB2	20	0.68
(3,1997)	1:73:A:VAL:HG22	1:96:A:PHE:HB3	20	0.68
(3,1997)	1:73:A:VAL:HG23	1:96:A:PHE:HB2	20	0.68
(3,1997)	1:73:A:VAL:HG23	1:96:A:PHE:HB3	20	0.68
(3,1950)	1:60:A:GLU:H	1:133:A:GLN:HE21	1	0.68
(3,1950)	1:60:A:GLU:H	1:133:A:GLN:HE22	1	0.68
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	1	0.68
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE22	1	0.68
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	1	0.68
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE22	1	0.68
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE22	1	0.68
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	2	0.68
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE22	2	0.68
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	2	0.68
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE22	2	0.68
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	2	0.68
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE22	2	0.68
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG2	1	0.68
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG3	1	0.68
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG2	1	0.68
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG3	1	0.68
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG2	1	0.68
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG3	1	0.68
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	3	0.68
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB3	3	0.68
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	3	0.68
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB3	3	0.68
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	3	0.68
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB3	3	0.68
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB2	4	0.68
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB3	4	0.68
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD11	7	0.68
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD12	7	0.68
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD13	7	0.68
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD11	7	0.68
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD12	7	0.68
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD13	7	0.68
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD11	7	0.68
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD12	7	0.68
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD13	7	0.68
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD11	8	0.68
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD12	8	0.68
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD13	8	0.68
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD21	13	0.68
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD22	13	0.68
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD23	13	0.68
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD21	13	0.68
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD22	13	0.68
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD23	13	0.68
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD21	13	0.68
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD22	13	0.68
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD23	13	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1051)	1:54:A:ARG:HA	1:54:A:ARG:HD2	7	0.68
(3,1051)	1:54:A:ARG:HA	1:54:A:ARG:HD3	7	0.68
(3,1004)	1:109:A:PHE:H	1:133:A:GLN:H	15	0.68
(3,897)	1:105:A:VAL:HG21	1:125:A:THR:H	17	0.68
(3,897)	1:105:A:VAL:HG22	1:125:A:THR:H	17	0.68
(3,897)	1:105:A:VAL:HG23	1:125:A:THR:H	17	0.68
(3,832)	1:80:A:LYS:H	1:82:A:LEU:HG	2	0.68
(3,700)	1:124:A:LEU:HD11	1:125:A:THR:H	5	0.68
(3,700)	1:124:A:LEU:HD12	1:125:A:THR:H	5	0.68
(3,700)	1:124:A:LEU:HD13	1:125:A:THR:H	5	0.68
(3,643)	1:33:A:HIS:HA	1:37:A:GLY:H	11	0.68
(3,625)	1:110:A:LEU:HG	1:135:A:THR:H	3	0.68
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG12	14	0.68
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG13	14	0.68
(3,469)	1:83:A:LEU:HD11	1:87:A:LYS:H	16	0.68
(3,469)	1:83:A:LEU:HD12	1:87:A:LYS:H	16	0.68
(3,469)	1:83:A:LEU:HD13	1:87:A:LYS:H	16	0.68
(3,404)	1:118:A:LEU:HD11	1:132:A:TYR:H	2	0.68
(3,404)	1:118:A:LEU:HD12	1:132:A:TYR:H	2	0.68
(3,404)	1:118:A:LEU:HD13	1:132:A:TYR:H	2	0.68
(3,257)	1:59:A:ILE:HG21	1:65:A:ILE:H	16	0.68
(3,257)	1:59:A:ILE:HG22	1:65:A:ILE:H	16	0.68
(3,257)	1:59:A:ILE:HG23	1:65:A:ILE:H	16	0.68
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG21	18	0.68
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG22	18	0.68
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG23	18	0.68
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG11	12	0.68
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG12	12	0.68
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG13	12	0.68
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD2	20	0.68
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD3	20	0.68
(3,74)	1:5:A:THR:HG21	1:40:A:LEU:H	15	0.68
(3,74)	1:5:A:THR:HG22	1:40:A:LEU:H	15	0.68
(3,74)	1:5:A:THR:HG23	1:40:A:LEU:H	15	0.68
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG21	8	0.68
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG22	8	0.68
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG23	8	0.68
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB2	11	0.67
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB3	11	0.67
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB2	11	0.67
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB3	11	0.67
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB2	11	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB3	11	0.67
(3,2062)	1:92:A:LYS:HB2	1:110:A:LEU:H	5	0.67
(3,2062)	1:92:A:LYS:HB3	1:110:A:LEU:H	5	0.67
(3,2035)	1:85:A:ALA:HB1	1:147:A:TYR:HB2	16	0.67
(3,2035)	1:85:A:ALA:HB1	1:147:A:TYR:HB3	16	0.67
(3,2035)	1:85:A:ALA:HB2	1:147:A:TYR:HB2	16	0.67
(3,2035)	1:85:A:ALA:HB2	1:147:A:TYR:HB3	16	0.67
(3,2035)	1:85:A:ALA:HB3	1:147:A:TYR:HB2	16	0.67
(3,2035)	1:85:A:ALA:HB3	1:147:A:TYR:HB3	16	0.67
(3,1997)	1:73:A:VAL:HG21	1:96:A:PHE:HB2	16	0.67
(3,1997)	1:73:A:VAL:HG21	1:96:A:PHE:HB3	16	0.67
(3,1997)	1:73:A:VAL:HG22	1:96:A:PHE:HB2	16	0.67
(3,1997)	1:73:A:VAL:HG22	1:96:A:PHE:HB3	16	0.67
(3,1997)	1:73:A:VAL:HG23	1:96:A:PHE:HB2	16	0.67
(3,1997)	1:73:A:VAL:HG23	1:96:A:PHE:HB3	16	0.67
(3,1874)	1:44:A:LEU:HB2	1:51:A:SER:H	20	0.67
(3,1874)	1:44:A:LEU:HB3	1:51:A:SER:H	20	0.67
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG2	6	0.67
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG3	6	0.67
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE21	8	0.67
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE22	8	0.67
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE21	8	0.67
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE22	8	0.67
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE21	8	0.67
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE22	8	0.67
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD21	2	0.67
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD22	2	0.67
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD23	2	0.67
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD21	15	0.67
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD22	15	0.67
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD23	15	0.67
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD11	11	0.67
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD12	11	0.67
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD13	11	0.67
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD11	11	0.67
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD12	11	0.67
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD13	11	0.67
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD11	11	0.67
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD12	11	0.67
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD13	11	0.67
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE1	2	0.67
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE2	2	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG21	7	0.67
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG22	7	0.67
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG23	7	0.67
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG21	7	0.67
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG22	7	0.67
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG23	7	0.67
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG21	7	0.67
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG22	7	0.67
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG23	7	0.67
(3,1308)	1:20:A:LEU:HD21	1:58:A:THR:HA	18	0.67
(3,1308)	1:20:A:LEU:HD22	1:58:A:THR:HA	18	0.67
(3,1308)	1:20:A:LEU:HD23	1:58:A:THR:HA	18	0.67
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG21	3	0.67
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG22	3	0.67
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG23	3	0.67
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG21	3	0.67
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG22	3	0.67
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG23	3	0.67
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG21	3	0.67
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG22	3	0.67
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG23	3	0.67
(3,1001)	1:69:A:GLU:H	1:70:A:LEU:HD11	15	0.67
(3,1001)	1:69:A:GLU:H	1:70:A:LEU:HD12	15	0.67
(3,1001)	1:69:A:GLU:H	1:70:A:LEU:HD13	15	0.67
(3,973)	1:30:A:LEU:H	1:33:A:HIS:H	6	0.67
(3,891)	1:121:A:VAL:H	1:123:A:ASP:H	7	0.67
(3,861)	1:99:A:ASP:H	1:106:A:ARG:H	6	0.67
(3,651)	1:122:A:GLU:HA	1:126:A:GLY:H	15	0.67
(4,21)	1:5:A:THR:N	1:8:A:ASP:OD2	6	0.66
(4,14)	1:109:A:PHE:O	1:134:A:THR:H	13	0.66
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG2	7	0.66
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG3	7	0.66
(3,2111)	1:110:A:LEU:HB2	1:111:A:ASN:HD21	3	0.66
(3,2111)	1:110:A:LEU:HB2	1:111:A:ASN:HD22	3	0.66
(3,2111)	1:110:A:LEU:HB3	1:111:A:ASN:HD21	3	0.66
(3,2111)	1:110:A:LEU:HB3	1:111:A:ASN:HD22	3	0.66
(3,2046)	1:89:A:LYS:HB2	1:143:A:LEU:HD21	10	0.66
(3,2046)	1:89:A:LYS:HB2	1:143:A:LEU:HD22	10	0.66
(3,2046)	1:89:A:LYS:HB2	1:143:A:LEU:HD23	10	0.66
(3,2046)	1:89:A:LYS:HB3	1:143:A:LEU:HD21	10	0.66
(3,2046)	1:89:A:LYS:HB3	1:143:A:LEU:HD22	10	0.66
(3,2046)	1:89:A:LYS:HB3	1:143:A:LEU:HD23	10	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1831)	1:32:A:ARG:HD2	1:37:A:GLY:H	17	0.66
(3,1831)	1:32:A:ARG:HD3	1:37:A:GLY:H	17	0.66
(3,1831)	1:32:A:ARG:HD2	1:37:A:GLY:H	20	0.66
(3,1831)	1:32:A:ARG:HD3	1:37:A:GLY:H	20	0.66
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB2	6	0.66
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB3	6	0.66
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB2	1	0.66
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB3	1	0.66
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB2	1	0.66
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB3	1	0.66
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB2	1	0.66
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB3	1	0.66
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB2	3	0.66
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB3	3	0.66
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB2	3	0.66
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB3	3	0.66
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB2	3	0.66
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB3	3	0.66
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB2	6	0.66
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB3	6	0.66
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB2	6	0.66
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB3	6	0.66
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB2	6	0.66
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB3	6	0.66
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD2	15	0.66
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD3	15	0.66
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG2	4	0.66
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG3	4	0.66
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG2	4	0.66
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG3	4	0.66
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG2	4	0.66
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG3	4	0.66
(3,1611)	1:104:A:VAL:HG11	1:128:A:VAL:HB	2	0.66
(3,1611)	1:104:A:VAL:HG12	1:128:A:VAL:HB	2	0.66
(3,1611)	1:104:A:VAL:HG13	1:128:A:VAL:HB	2	0.66
(3,1611)	1:104:A:VAL:HG21	1:128:A:VAL:HB	2	0.66
(3,1611)	1:104:A:VAL:HG22	1:128:A:VAL:HB	2	0.66
(3,1611)	1:104:A:VAL:HG23	1:128:A:VAL:HB	2	0.66
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD11	19	0.66
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD12	19	0.66
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD13	19	0.66
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD11	19	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD12	19	0.66
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD13	19	0.66
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD11	19	0.66
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD12	19	0.66
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD13	19	0.66
(3,1456)	1:70:A:LEU:HD21	1:94:A:ILE:HD11	17	0.66
(3,1456)	1:70:A:LEU:HD21	1:94:A:ILE:HD12	17	0.66
(3,1456)	1:70:A:LEU:HD21	1:94:A:ILE:HD13	17	0.66
(3,1456)	1:70:A:LEU:HD22	1:94:A:ILE:HD11	17	0.66
(3,1456)	1:70:A:LEU:HD22	1:94:A:ILE:HD12	17	0.66
(3,1456)	1:70:A:LEU:HD22	1:94:A:ILE:HD13	17	0.66
(3,1456)	1:70:A:LEU:HD23	1:94:A:ILE:HD11	17	0.66
(3,1456)	1:70:A:LEU:HD23	1:94:A:ILE:HD12	17	0.66
(3,1456)	1:70:A:LEU:HD23	1:94:A:ILE:HD13	17	0.66
(3,1218)	1:26:A:LEU:HD21	1:27:A:GLN:HA	10	0.66
(3,1218)	1:26:A:LEU:HD22	1:27:A:GLN:HA	10	0.66
(3,1218)	1:26:A:LEU:HD23	1:27:A:GLN:HA	10	0.66
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG21	6	0.66
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG22	6	0.66
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG23	6	0.66
(3,547)	1:78:A:LYS:H	1:78:A:LYS:HD2	3	0.66
(3,547)	1:78:A:LYS:H	1:78:A:LYS:HD3	3	0.66
(3,469)	1:83:A:LEU:HD11	1:87:A:LYS:H	10	0.66
(3,469)	1:83:A:LEU:HD12	1:87:A:LYS:H	10	0.66
(3,469)	1:83:A:LEU:HD13	1:87:A:LYS:H	10	0.66
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD11	3	0.66
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD12	3	0.66
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD13	3	0.66
(3,116)	1:68:A:VAL:H	1:108:A:ALA:HB1	5	0.66
(3,116)	1:68:A:VAL:H	1:108:A:ALA:HB2	5	0.66
(3,116)	1:68:A:VAL:H	1:108:A:ALA:HB3	5	0.66
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE1	13	0.66
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE2	13	0.66
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG21	5	0.66
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG22	5	0.66
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG23	5	0.66
(4,14)	1:109:A:PHE:O	1:134:A:THR:H	12	0.65
(4,13)	1:109:A:PHE:O	1:134:A:THR:N	4	0.65
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG2	20	0.65
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG3	20	0.65
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB2	2	0.65
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB3	2	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB2	2	0.65
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB3	2	0.65
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB2	2	0.65
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB3	2	0.65
(3,1924)	1:56:A:ALA:HA	1:133:A:GLN:HE21	2	0.65
(3,1924)	1:56:A:ALA:HA	1:133:A:GLN:HE22	2	0.65
(3,1911)	1:51:A:SER:H	1:54:A:ARG:HG2	4	0.65
(3,1911)	1:51:A:SER:H	1:54:A:ARG:HG3	4	0.65
(3,1906)	1:50:A:LEU:HB2	1:55:A:ILE:HA	18	0.65
(3,1906)	1:50:A:LEU:HB3	1:55:A:ILE:HA	18	0.65
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE21	1	0.65
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE22	1	0.65
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE21	1	0.65
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE22	1	0.65
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE21	1	0.65
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE22	1	0.65
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD2	16	0.65
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD3	16	0.65
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG21	6	0.65
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG22	6	0.65
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG23	6	0.65
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG21	6	0.65
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG22	6	0.65
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG23	6	0.65
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG21	6	0.65
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG22	6	0.65
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG23	6	0.65
(3,1320)	1:6:A:ILE:HG21	1:115:A:THR:HB	8	0.65
(3,1320)	1:6:A:ILE:HG22	1:115:A:THR:HB	8	0.65
(3,1320)	1:6:A:ILE:HG23	1:115:A:THR:HB	8	0.65
(3,1320)	1:6:A:ILE:HG21	1:115:A:THR:HB	10	0.65
(3,1320)	1:6:A:ILE:HG22	1:115:A:THR:HB	10	0.65
(3,1320)	1:6:A:ILE:HG23	1:115:A:THR:HB	10	0.65
(3,1310)	1:55:A:ILE:HG21	1:58:A:THR:HB	9	0.65
(3,1310)	1:55:A:ILE:HG22	1:58:A:THR:HB	9	0.65
(3,1310)	1:55:A:ILE:HG23	1:58:A:THR:HB	9	0.65
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG21	18	0.65
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG22	18	0.65
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG23	18	0.65
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG21	18	0.65
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG22	18	0.65
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG23	18	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG21	18	0.65
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG22	18	0.65
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG23	18	0.65
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG21	10	0.65
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG22	10	0.65
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG23	10	0.65
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG21	10	0.65
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG22	10	0.65
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG23	10	0.65
(3,1218)	1:26:A:LEU:HD21	1:27:A:GLN:HA	1	0.65
(3,1218)	1:26:A:LEU:HD22	1:27:A:GLN:HA	1	0.65
(3,1218)	1:26:A:LEU:HD23	1:27:A:GLN:HA	1	0.65
(3,1204)	1:59:A:ILE:HA	1:63:A:PHE:HD1	12	0.65
(3,1204)	1:59:A:ILE:HA	1:63:A:PHE:HD2	12	0.65
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD21	15	0.65
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD22	15	0.65
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD23	15	0.65
(3,404)	1:118:A:LEU:HD11	1:132:A:TYR:H	15	0.65
(3,404)	1:118:A:LEU:HD12	1:132:A:TYR:H	15	0.65
(3,404)	1:118:A:LEU:HD13	1:132:A:TYR:H	15	0.65
(3,302)	1:33:A:HIS:H	1:43:A:VAL:HG21	10	0.65
(3,302)	1:33:A:HIS:H	1:43:A:VAL:HG22	10	0.65
(3,302)	1:33:A:HIS:H	1:43:A:VAL:HG23	10	0.65
(3,298)	1:6:A:ILE:HG21	1:115:A:THR:H	7	0.65
(3,298)	1:6:A:ILE:HG22	1:115:A:THR:H	7	0.65
(3,298)	1:6:A:ILE:HG23	1:115:A:THR:H	7	0.65
(3,264)	1:134:A:THR:HG21	1:139:A:PHE:H	15	0.65
(3,264)	1:134:A:THR:HG22	1:139:A:PHE:H	15	0.65
(3,264)	1:134:A:THR:HG23	1:139:A:PHE:H	15	0.65
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB2	10	0.64
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB3	10	0.64
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB2	10	0.64
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB3	10	0.64
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB2	10	0.64
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB3	10	0.64
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG2	1	0.64
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG3	1	0.64
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG21	2	0.64
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG22	2	0.64
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG23	2	0.64
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG21	2	0.64
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG22	2	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG23	2	0.64
(3,1539)	1:45:A:VAL:HG11	1:52:A:GLU:HG2	15	0.64
(3,1539)	1:45:A:VAL:HG11	1:52:A:GLU:HG3	15	0.64
(3,1539)	1:45:A:VAL:HG12	1:52:A:GLU:HG2	15	0.64
(3,1539)	1:45:A:VAL:HG12	1:52:A:GLU:HG3	15	0.64
(3,1539)	1:45:A:VAL:HG13	1:52:A:GLU:HG2	15	0.64
(3,1539)	1:45:A:VAL:HG13	1:52:A:GLU:HG3	15	0.64
(3,1426)	1:82:A:LEU:HD21	1:125:A:THR:HG21	7	0.64
(3,1426)	1:82:A:LEU:HD21	1:125:A:THR:HG22	7	0.64
(3,1426)	1:82:A:LEU:HD21	1:125:A:THR:HG23	7	0.64
(3,1426)	1:82:A:LEU:HD22	1:125:A:THR:HG21	7	0.64
(3,1426)	1:82:A:LEU:HD22	1:125:A:THR:HG22	7	0.64
(3,1426)	1:82:A:LEU:HD22	1:125:A:THR:HG23	7	0.64
(3,1426)	1:82:A:LEU:HD23	1:125:A:THR:HG21	7	0.64
(3,1426)	1:82:A:LEU:HD23	1:125:A:THR:HG22	7	0.64
(3,1426)	1:82:A:LEU:HD23	1:125:A:THR:HG23	7	0.64
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD21	5	0.64
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD22	5	0.64
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD23	5	0.64
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE1	3	0.64
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE2	3	0.64
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE1	3	0.64
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE2	3	0.64
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE1	3	0.64
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE2	3	0.64
(3,1308)	1:20:A:LEU:HD21	1:58:A:THR:HA	2	0.64
(3,1308)	1:20:A:LEU:HD22	1:58:A:THR:HA	2	0.64
(3,1308)	1:20:A:LEU:HD23	1:58:A:THR:HA	2	0.64
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG21	8	0.64
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG22	8	0.64
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG23	8	0.64
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG21	8	0.64
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG22	8	0.64
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG23	8	0.64
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG21	8	0.64
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG22	8	0.64
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG23	8	0.64
(3,1151)	1:116:A:LEU:HG	1:117:A:SER:H	20	0.64
(3,1091)	1:58:A:THR:HA	1:61:A:ASP:HB2	13	0.64
(3,1004)	1:109:A:PHE:H	1:133:A:GLN:H	3	0.64
(3,1004)	1:109:A:PHE:H	1:133:A:GLN:H	19	0.64
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD21	11	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD22	11	0.64
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD23	11	0.64
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD21	14	0.64
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD22	14	0.64
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD23	14	0.64
(3,700)	1:124:A:LEU:HD11	1:125:A:THR:H	9	0.64
(3,700)	1:124:A:LEU:HD12	1:125:A:THR:H	9	0.64
(3,700)	1:124:A:LEU:HD13	1:125:A:THR:H	9	0.64
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE1	7	0.64
(3,514)	1:94:A:ILE:H	1:109:A:PHE:HE2	7	0.64
(3,469)	1:83:A:LEU:HD11	1:87:A:LYS:H	12	0.64
(3,469)	1:83:A:LEU:HD12	1:87:A:LYS:H	12	0.64
(3,469)	1:83:A:LEU:HD13	1:87:A:LYS:H	12	0.64
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD11	2	0.64
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD12	2	0.64
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD13	2	0.64
(3,307)	1:33:A:HIS:H	1:43:A:VAL:HB	6	0.64
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD21	16	0.64
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD22	16	0.64
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD23	16	0.64
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB2	11	0.63
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB3	11	0.63
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB2	11	0.63
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB3	11	0.63
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB2	11	0.63
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB3	11	0.63
(3,1853)	1:39:A:SER:HA	1:111:A:ASN:HD21	6	0.63
(3,1853)	1:39:A:SER:HA	1:111:A:ASN:HD22	6	0.63
(3,1831)	1:32:A:ARG:HD2	1:37:A:GLY:H	4	0.63
(3,1831)	1:32:A:ARG:HD3	1:37:A:GLY:H	4	0.63
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB2	9	0.63
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB3	9	0.63
(3,1691)	1:139:A:PHE:HD1	1:143:A:LEU:HD11	18	0.63
(3,1691)	1:139:A:PHE:HD1	1:143:A:LEU:HD12	18	0.63
(3,1691)	1:139:A:PHE:HD1	1:143:A:LEU:HD13	18	0.63
(3,1691)	1:139:A:PHE:HD2	1:143:A:LEU:HD11	18	0.63
(3,1691)	1:139:A:PHE:HD2	1:143:A:LEU:HD12	18	0.63
(3,1691)	1:139:A:PHE:HD2	1:143:A:LEU:HD13	18	0.63
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD21	19	0.63
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD22	19	0.63
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD23	19	0.63
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD21	19	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD22	19	0.63
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD23	19	0.63
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD11	3	0.63
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD12	3	0.63
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD13	3	0.63
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD11	3	0.63
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD12	3	0.63
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD13	3	0.63
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD11	3	0.63
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD12	3	0.63
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD13	3	0.63
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD11	15	0.63
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD12	15	0.63
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD13	15	0.63
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG21	18	0.63
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG22	18	0.63
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG23	18	0.63
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG21	18	0.63
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG22	18	0.63
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG23	18	0.63
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG21	18	0.63
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG22	18	0.63
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG23	18	0.63
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG21	15	0.63
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG22	15	0.63
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG23	15	0.63
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD21	10	0.63
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD22	10	0.63
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD23	10	0.63
(3,1054)	1:31:A:GLU:HA	1:34:A:ARG:H	10	0.63
(3,700)	1:124:A:LEU:HD11	1:125:A:THR:H	10	0.63
(3,700)	1:124:A:LEU:HD12	1:125:A:THR:H	10	0.63
(3,700)	1:124:A:LEU:HD13	1:125:A:THR:H	10	0.63
(3,597)	1:89:A:LYS:H	1:143:A:LEU:HD11	6	0.63
(3,597)	1:89:A:LYS:H	1:143:A:LEU:HD12	6	0.63
(3,597)	1:89:A:LYS:H	1:143:A:LEU:HD13	6	0.63
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD11	4	0.63
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD12	4	0.63
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD13	4	0.63
(3,469)	1:83:A:LEU:HD11	1:87:A:LYS:H	11	0.63
(3,469)	1:83:A:LEU:HD12	1:87:A:LYS:H	11	0.63
(3,469)	1:83:A:LEU:HD13	1:87:A:LYS:H	11	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,395)	1:25:A:GLU:HB2	1:26:A:LEU:H	11	0.63
(3,298)	1:6:A:ILE:HG21	1:115:A:THR:H	16	0.63
(3,298)	1:6:A:ILE:HG22	1:115:A:THR:H	16	0.63
(3,298)	1:6:A:ILE:HG23	1:115:A:THR:H	16	0.63
(3,33)	1:99:A:ASP:H	1:105:A:VAL:HB	13	0.63
(4,16)	1:109:A:PHE:H	1:132:A:TYR:O	15	0.62
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG2	14	0.62
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG3	14	0.62
(3,1831)	1:32:A:ARG:HD2	1:37:A:GLY:H	18	0.62
(3,1831)	1:32:A:ARG:HD3	1:37:A:GLY:H	18	0.62
(3,1823)	1:32:A:ARG:HG2	1:36:A:VAL:HG11	11	0.62
(3,1823)	1:32:A:ARG:HG2	1:36:A:VAL:HG12	11	0.62
(3,1823)	1:32:A:ARG:HG2	1:36:A:VAL:HG13	11	0.62
(3,1823)	1:32:A:ARG:HG3	1:36:A:VAL:HG11	11	0.62
(3,1823)	1:32:A:ARG:HG3	1:36:A:VAL:HG12	11	0.62
(3,1823)	1:32:A:ARG:HG3	1:36:A:VAL:HG13	11	0.62
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB2	13	0.62
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB3	13	0.62
(3,1596)	1:83:A:LEU:HD21	1:125:A:THR:HB	12	0.62
(3,1596)	1:83:A:LEU:HD22	1:125:A:THR:HB	12	0.62
(3,1596)	1:83:A:LEU:HD23	1:125:A:THR:HB	12	0.62
(3,1567)	1:70:A:LEU:HD11	1:134:A:THR:HB	1	0.62
(3,1567)	1:70:A:LEU:HD12	1:134:A:THR:HB	1	0.62
(3,1567)	1:70:A:LEU:HD13	1:134:A:THR:HB	1	0.62
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD11	12	0.62
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD12	12	0.62
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD13	12	0.62
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD11	12	0.62
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD12	12	0.62
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD13	12	0.62
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD11	12	0.62
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD12	12	0.62
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD13	12	0.62
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG11	5	0.62
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG12	5	0.62
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG13	5	0.62
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG11	5	0.62
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG12	5	0.62
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG13	5	0.62
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG11	5	0.62
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG12	5	0.62
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG13	5	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG21	3	0.62
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG22	3	0.62
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG23	3	0.62
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG21	3	0.62
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG22	3	0.62
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG23	3	0.62
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG21	3	0.62
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG22	3	0.62
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG23	3	0.62
(3,1373)	1:97:A:ALA:HB1	1:105:A:VAL:HG11	13	0.62
(3,1373)	1:97:A:ALA:HB1	1:105:A:VAL:HG12	13	0.62
(3,1373)	1:97:A:ALA:HB1	1:105:A:VAL:HG13	13	0.62
(3,1373)	1:97:A:ALA:HB2	1:105:A:VAL:HG11	13	0.62
(3,1373)	1:97:A:ALA:HB2	1:105:A:VAL:HG12	13	0.62
(3,1373)	1:97:A:ALA:HB2	1:105:A:VAL:HG13	13	0.62
(3,1373)	1:97:A:ALA:HB3	1:105:A:VAL:HG11	13	0.62
(3,1373)	1:97:A:ALA:HB3	1:105:A:VAL:HG12	13	0.62
(3,1373)	1:97:A:ALA:HB3	1:105:A:VAL:HG13	13	0.62
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE1	20	0.62
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE2	20	0.62
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE1	20	0.62
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE2	20	0.62
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE1	20	0.62
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE2	20	0.62
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG21	11	0.62
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG22	11	0.62
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG23	11	0.62
(3,1235)	1:83:A:LEU:HD21	1:121:A:VAL:HA	10	0.62
(3,1235)	1:83:A:LEU:HD22	1:121:A:VAL:HA	10	0.62
(3,1235)	1:83:A:LEU:HD23	1:121:A:VAL:HA	10	0.62
(3,1218)	1:26:A:LEU:HD21	1:27:A:GLN:HA	7	0.62
(3,1218)	1:26:A:LEU:HD22	1:27:A:GLN:HA	7	0.62
(3,1218)	1:26:A:LEU:HD23	1:27:A:GLN:HA	7	0.62
(3,1218)	1:26:A:LEU:HD21	1:27:A:GLN:HA	17	0.62
(3,1218)	1:26:A:LEU:HD22	1:27:A:GLN:HA	17	0.62
(3,1218)	1:26:A:LEU:HD23	1:27:A:GLN:HA	17	0.62
(3,1198)	1:58:A:THR:HA	1:61:A:ASP:HB3	15	0.62
(3,897)	1:105:A:VAL:HG21	1:125:A:THR:H	12	0.62
(3,897)	1:105:A:VAL:HG22	1:125:A:THR:H	12	0.62
(3,897)	1:105:A:VAL:HG23	1:125:A:THR:H	12	0.62
(3,883)	1:6:A:ILE:HG21	1:116:A:LEU:H	1	0.62
(3,883)	1:6:A:ILE:HG22	1:116:A:LEU:H	1	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,883)	1:6:A:ILE:HG23	1:116:A:LEU:H	1	0.62
(3,684)	1:48:A:GLY:H	1:49:A:LEU:HG	1	0.62
(3,684)	1:48:A:GLY:H	1:49:A:LEU:HG	9	0.62
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD21	20	0.62
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD22	20	0.62
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD23	20	0.62
(3,410)	1:109:A:PHE:HE1	1:132:A:TYR:H	1	0.62
(3,410)	1:109:A:PHE:HE2	1:132:A:TYR:H	1	0.62
(3,233)	1:28:A:ARG:HA	1:32:A:ARG:H	6	0.62
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD2	5	0.62
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD3	5	0.62
(2,1)	1:109:A:PHE:H	1:134:A:THR:HB	5	0.62
(3,1907)	1:50:A:LEU:HB2	1:55:A:ILE:HB	18	0.61
(3,1907)	1:50:A:LEU:HB3	1:55:A:ILE:HB	18	0.61
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB2	15	0.61
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB3	15	0.61
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB2	15	0.61
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB3	15	0.61
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB2	15	0.61
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB3	15	0.61
(3,1651)	1:107:A:VAL:HG21	1:118:A:LEU:HD11	13	0.61
(3,1651)	1:107:A:VAL:HG21	1:118:A:LEU:HD12	13	0.61
(3,1651)	1:107:A:VAL:HG21	1:118:A:LEU:HD13	13	0.61
(3,1651)	1:107:A:VAL:HG22	1:118:A:LEU:HD11	13	0.61
(3,1651)	1:107:A:VAL:HG22	1:118:A:LEU:HD12	13	0.61
(3,1651)	1:107:A:VAL:HG22	1:118:A:LEU:HD13	13	0.61
(3,1651)	1:107:A:VAL:HG23	1:118:A:LEU:HD11	13	0.61
(3,1651)	1:107:A:VAL:HG23	1:118:A:LEU:HD12	13	0.61
(3,1651)	1:107:A:VAL:HG23	1:118:A:LEU:HD13	13	0.61
(3,1539)	1:45:A:VAL:HG11	1:52:A:GLU:HG2	9	0.61
(3,1539)	1:45:A:VAL:HG11	1:52:A:GLU:HG3	9	0.61
(3,1539)	1:45:A:VAL:HG12	1:52:A:GLU:HG2	9	0.61
(3,1539)	1:45:A:VAL:HG12	1:52:A:GLU:HG3	9	0.61
(3,1539)	1:45:A:VAL:HG13	1:52:A:GLU:HG2	9	0.61
(3,1539)	1:45:A:VAL:HG13	1:52:A:GLU:HG3	9	0.61
(3,1448)	1:109:A:PHE:HD1	1:133:A:GLN:HA	19	0.61
(3,1448)	1:109:A:PHE:HD2	1:133:A:GLN:HA	19	0.61
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG11	4	0.61
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG12	4	0.61
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG13	4	0.61
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG11	4	0.61
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG12	4	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG13	4	0.61
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG11	4	0.61
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG12	4	0.61
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG13	4	0.61
(3,1391)	1:106:A:ARG:HA	1:130:A:GLU:HG2	1	0.61
(3,1391)	1:106:A:ARG:HA	1:130:A:GLU:HG3	1	0.61
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD21	18	0.61
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD22	18	0.61
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD23	18	0.61
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD21	18	0.61
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD22	18	0.61
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD23	18	0.61
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD21	18	0.61
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD22	18	0.61
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD23	18	0.61
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD11	5	0.61
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD12	5	0.61
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD13	5	0.61
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD11	5	0.61
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD12	5	0.61
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD13	5	0.61
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD11	5	0.61
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD12	5	0.61
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD13	5	0.61
(3,1004)	1:109:A:PHE:H	1:133:A:GLN:H	6	0.61
(3,1001)	1:69:A:GLU:H	1:70:A:LEU:HD11	17	0.61
(3,1001)	1:69:A:GLU:H	1:70:A:LEU:HD12	17	0.61
(3,1001)	1:69:A:GLU:H	1:70:A:LEU:HD13	17	0.61
(3,861)	1:99:A:ASP:H	1:106:A:ARG:H	2	0.61
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD21	13	0.61
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD22	13	0.61
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD23	13	0.61
(3,700)	1:124:A:LEU:HD11	1:125:A:THR:H	7	0.61
(3,700)	1:124:A:LEU:HD12	1:125:A:THR:H	7	0.61
(3,700)	1:124:A:LEU:HD13	1:125:A:THR:H	7	0.61
(3,700)	1:124:A:LEU:HD11	1:125:A:THR:H	16	0.61
(3,700)	1:124:A:LEU:HD12	1:125:A:THR:H	16	0.61
(3,700)	1:124:A:LEU:HD13	1:125:A:THR:H	16	0.61
(3,700)	1:124:A:LEU:HD11	1:125:A:THR:H	19	0.61
(3,700)	1:124:A:LEU:HD12	1:125:A:THR:H	19	0.61
(3,700)	1:124:A:LEU:HD13	1:125:A:THR:H	19	0.61
(3,684)	1:48:A:GLY:H	1:49:A:LEU:HG	11	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,684)	1:48:A:GLY:H	1:49:A:LEU:HG	15	0.61
(3,655)	1:22:A:THR:H	1:25:A:GLU:HA	3	0.61
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD11	18	0.61
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD12	18	0.61
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD13	18	0.61
(3,457)	1:26:A:LEU:HD21	1:27:A:GLN:H	15	0.61
(3,457)	1:26:A:LEU:HD22	1:27:A:GLN:H	15	0.61
(3,457)	1:26:A:LEU:HD23	1:27:A:GLN:H	15	0.61
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG11	12	0.61
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG12	12	0.61
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG13	12	0.61
(3,135)	1:116:A:LEU:HG	1:118:A:LEU:H	8	0.61
(3,23)	1:122:A:GLU:HB2	1:129:A:VAL:H	9	0.61
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG21	11	0.61
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG22	11	0.61
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG23	11	0.61
(3,2073)	1:96:A:PHE:HB2	1:108:A:ALA:H	15	0.6
(3,2073)	1:96:A:PHE:HB3	1:108:A:ALA:H	15	0.6
(3,2064)	1:92:A:LYS:HB2	1:110:A:LEU:HD11	14	0.6
(3,2064)	1:92:A:LYS:HB2	1:110:A:LEU:HD12	14	0.6
(3,2064)	1:92:A:LYS:HB2	1:110:A:LEU:HD13	14	0.6
(3,2064)	1:92:A:LYS:HB3	1:110:A:LEU:HD11	14	0.6
(3,2064)	1:92:A:LYS:HB3	1:110:A:LEU:HD12	14	0.6
(3,2064)	1:92:A:LYS:HB3	1:110:A:LEU:HD13	14	0.6
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG2	15	0.6
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG3	15	0.6
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB2	4	0.6
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB3	4	0.6
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB2	4	0.6
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB3	4	0.6
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB2	4	0.6
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB3	4	0.6
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE1	17	0.6
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE2	17	0.6
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE1	17	0.6
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE2	17	0.6
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE1	17	0.6
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE2	17	0.6
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE1	20	0.6
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE2	20	0.6
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE1	20	0.6
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE2	20	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE1	20	0.6
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE2	20	0.6
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD21	17	0.6
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD22	17	0.6
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD23	17	0.6
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD11	19	0.6
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD12	19	0.6
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD13	19	0.6
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD11	19	0.6
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD12	19	0.6
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD13	19	0.6
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD11	19	0.6
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD12	19	0.6
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD13	19	0.6
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG21	12	0.6
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG22	12	0.6
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG23	12	0.6
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG21	12	0.6
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG22	12	0.6
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG23	12	0.6
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG21	12	0.6
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG22	12	0.6
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG23	12	0.6
(3,1493)	1:107:A:VAL:HG11	1:118:A:LEU:HG	15	0.6
(3,1493)	1:107:A:VAL:HG12	1:118:A:LEU:HG	15	0.6
(3,1493)	1:107:A:VAL:HG13	1:118:A:LEU:HG	15	0.6
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG21	2	0.6
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG22	2	0.6
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG23	2	0.6
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG21	2	0.6
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG22	2	0.6
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG23	2	0.6
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG21	2	0.6
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG22	2	0.6
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG23	2	0.6
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG21	19	0.6
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG22	19	0.6
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG23	19	0.6
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG21	19	0.6
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG22	19	0.6
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG23	19	0.6
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG21	19	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG22	19	0.6
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG23	19	0.6
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD21	7	0.6
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD22	7	0.6
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD23	7	0.6
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD21	7	0.6
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD22	7	0.6
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD23	7	0.6
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD21	7	0.6
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD22	7	0.6
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD23	7	0.6
(3,1323)	1:6:A:ILE:HB	1:116:A:LEU:HB3	1	0.6
(3,1308)	1:20:A:LEU:HD21	1:58:A:THR:HA	8	0.6
(3,1308)	1:20:A:LEU:HD22	1:58:A:THR:HA	8	0.6
(3,1308)	1:20:A:LEU:HD23	1:58:A:THR:HA	8	0.6
(3,1293)	1:43:A:VAL:HG21	1:44:A:LEU:HA	11	0.6
(3,1293)	1:43:A:VAL:HG22	1:44:A:LEU:HA	11	0.6
(3,1293)	1:43:A:VAL:HG23	1:44:A:LEU:HA	11	0.6
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG21	15	0.6
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG22	15	0.6
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG23	15	0.6
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG21	15	0.6
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG22	15	0.6
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG23	15	0.6
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG21	15	0.6
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG22	15	0.6
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG23	15	0.6
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD11	6	0.6
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD12	6	0.6
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD13	6	0.6
(3,891)	1:121:A:VAL:H	1:123:A:ASP:H	10	0.6
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD21	9	0.6
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD22	9	0.6
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD23	9	0.6
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD21	10	0.6
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD22	10	0.6
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD23	10	0.6
(3,700)	1:124:A:LEU:HD11	1:125:A:THR:H	6	0.6
(3,700)	1:124:A:LEU:HD12	1:125:A:THR:H	6	0.6
(3,700)	1:124:A:LEU:HD13	1:125:A:THR:H	6	0.6
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG12	11	0.6
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG13	11	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD21	13	0.6
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD22	13	0.6
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD23	13	0.6
(3,275)	1:11:A:LEU:HA	1:13:A:ALA:H	9	0.6
(3,33)	1:99:A:ASP:H	1:105:A:VAL:HB	19	0.6
(3,22)	1:122:A:GLU:HA	1:129:A:VAL:H	3	0.6
(3,22)	1:122:A:GLU:HA	1:129:A:VAL:H	8	0.6
(3,2214)	1:150:A:LEU:HB2	1:152:A:LEU:H	13	0.59
(3,2214)	1:150:A:LEU:HB3	1:152:A:LEU:H	13	0.59
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB2	3	0.59
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB3	3	0.59
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB2	3	0.59
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB3	3	0.59
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB2	3	0.59
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB3	3	0.59
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB2	19	0.59
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB3	19	0.59
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB2	19	0.59
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB3	19	0.59
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB2	19	0.59
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB3	19	0.59
(3,1990)	1:70:A:LEU:HB2	1:134:A:THR:HA	2	0.59
(3,1990)	1:70:A:LEU:HB3	1:134:A:THR:HA	2	0.59
(3,1950)	1:60:A:GLU:H	1:133:A:GLN:HE21	7	0.59
(3,1950)	1:60:A:GLU:H	1:133:A:GLN:HE22	7	0.59
(3,1916)	1:51:A:SER:HB2	1:54:A:ARG:HG2	4	0.59
(3,1916)	1:51:A:SER:HB2	1:54:A:ARG:HG3	4	0.59
(3,1916)	1:51:A:SER:HB3	1:54:A:ARG:HG2	4	0.59
(3,1916)	1:51:A:SER:HB3	1:54:A:ARG:HG3	4	0.59
(3,1758)	1:14:A:ALA:HB1	1:62:A:ARG:HD2	1	0.59
(3,1758)	1:14:A:ALA:HB1	1:62:A:ARG:HD3	1	0.59
(3,1758)	1:14:A:ALA:HB2	1:62:A:ARG:HD2	1	0.59
(3,1758)	1:14:A:ALA:HB2	1:62:A:ARG:HD3	1	0.59
(3,1758)	1:14:A:ALA:HB3	1:62:A:ARG:HD2	1	0.59
(3,1758)	1:14:A:ALA:HB3	1:62:A:ARG:HD3	1	0.59
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	4	0.59
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB3	4	0.59
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	4	0.59
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB3	4	0.59
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	4	0.59
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB3	4	0.59
(3,1391)	1:106:A:ARG:HA	1:130:A:GLU:HG2	19	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1391)	1:106:A:ARG:HA	1:130:A:GLU:HG3	19	0.59
(3,1337)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	5	0.59
(3,1337)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	5	0.59
(3,1337)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	5	0.59
(3,1324)	1:6:A:ILE:HG21	1:115:A:THR:HA	6	0.59
(3,1324)	1:6:A:ILE:HG22	1:115:A:THR:HA	6	0.59
(3,1324)	1:6:A:ILE:HG23	1:115:A:THR:HA	6	0.59
(3,1310)	1:55:A:ILE:HG21	1:58:A:THR:HB	11	0.59
(3,1310)	1:55:A:ILE:HG22	1:58:A:THR:HB	11	0.59
(3,1310)	1:55:A:ILE:HG23	1:58:A:THR:HB	11	0.59
(3,1308)	1:20:A:LEU:HD21	1:58:A:THR:HA	11	0.59
(3,1308)	1:20:A:LEU:HD22	1:58:A:THR:HA	11	0.59
(3,1308)	1:20:A:LEU:HD23	1:58:A:THR:HA	11	0.59
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG21	8	0.59
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG22	8	0.59
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG23	8	0.59
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG21	8	0.59
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG22	8	0.59
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG23	8	0.59
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG21	8	0.59
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG22	8	0.59
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG23	8	0.59
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD11	18	0.59
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD12	18	0.59
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD13	18	0.59
(3,1235)	1:83:A:LEU:HD21	1:121:A:VAL:HA	2	0.59
(3,1235)	1:83:A:LEU:HD22	1:121:A:VAL:HA	2	0.59
(3,1235)	1:83:A:LEU:HD23	1:121:A:VAL:HA	2	0.59
(3,1218)	1:26:A:LEU:HD21	1:27:A:GLN:HA	4	0.59
(3,1218)	1:26:A:LEU:HD22	1:27:A:GLN:HA	4	0.59
(3,1218)	1:26:A:LEU:HD23	1:27:A:GLN:HA	4	0.59
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD11	20	0.59
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD12	20	0.59
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD13	20	0.59
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD11	20	0.59
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD12	20	0.59
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD13	20	0.59
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD11	20	0.59
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD12	20	0.59
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD13	20	0.59
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG21	6	0.59
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG22	6	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG23	6	0.59
(3,808)	1:61:A:ASP:H	1:65:A:ILE:H	17	0.59
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD21	18	0.59
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD22	18	0.59
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD23	18	0.59
(3,700)	1:124:A:LEU:HD11	1:125:A:THR:H	11	0.59
(3,700)	1:124:A:LEU:HD12	1:125:A:THR:H	11	0.59
(3,700)	1:124:A:LEU:HD13	1:125:A:THR:H	11	0.59
(3,503)	1:80:A:LYS:HD2	1:81:A:ALA:H	15	0.59
(3,503)	1:80:A:LYS:HD3	1:81:A:ALA:H	15	0.59
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD21	20	0.59
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD22	20	0.59
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD23	20	0.59
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD11	1	0.59
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD12	1	0.59
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD13	1	0.59
(3,37)	1:105:A:VAL:H	1:129:A:VAL:HB	8	0.59
(3,37)	1:105:A:VAL:H	1:129:A:VAL:HB	10	0.59
(4,16)	1:109:A:PHE:H	1:132:A:TYR:O	3	0.58
(3,2073)	1:96:A:PHE:HB2	1:108:A:ALA:H	9	0.58
(3,2073)	1:96:A:PHE:HB3	1:108:A:ALA:H	9	0.58
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE21	9	0.58
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE22	9	0.58
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE21	9	0.58
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE22	9	0.58
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE21	9	0.58
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE22	9	0.58
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG21	5	0.58
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG22	5	0.58
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG23	5	0.58
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD21	20	0.58
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD22	20	0.58
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD23	20	0.58
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG21	15	0.58
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG22	15	0.58
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG23	15	0.58
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG21	15	0.58
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG22	15	0.58
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG23	15	0.58
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG21	15	0.58
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG22	15	0.58
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG23	15	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE1	20	0.58
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE2	20	0.58
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD21	6	0.58
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD22	6	0.58
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD23	6	0.58
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD2	1	0.58
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD3	1	0.58
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD2	20	0.58
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD3	20	0.58
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG21	3	0.58
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG22	3	0.58
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG23	3	0.58
(3,1308)	1:20:A:LEU:HD21	1:58:A:THR:HA	15	0.58
(3,1308)	1:20:A:LEU:HD22	1:58:A:THR:HA	15	0.58
(3,1308)	1:20:A:LEU:HD23	1:58:A:THR:HA	15	0.58
(3,1111)	1:65:A:ILE:HG21	1:133:A:GLN:H	13	0.58
(3,1111)	1:65:A:ILE:HG22	1:133:A:GLN:H	13	0.58
(3,1111)	1:65:A:ILE:HG23	1:133:A:GLN:H	13	0.58
(3,752)	1:23:A:ASP:HB2	1:27:A:GLN:H	12	0.58
(3,752)	1:23:A:ASP:HB3	1:27:A:GLN:H	12	0.58
(3,731)	1:18:A:ALA:H	1:20:A:LEU:HG	13	0.58
(3,668)	1:56:A:ALA:HB1	1:133:A:GLN:HE21	20	0.58
(3,668)	1:56:A:ALA:HB2	1:133:A:GLN:HE21	20	0.58
(3,668)	1:56:A:ALA:HB3	1:133:A:GLN:HE21	20	0.58
(3,666)	1:59:A:ILE:HB	1:133:A:GLN:HE21	16	0.58
(3,625)	1:110:A:LEU:HG	1:135:A:THR:H	19	0.58
(3,410)	1:109:A:PHE:HE1	1:132:A:TYR:H	12	0.58
(3,410)	1:109:A:PHE:HE2	1:132:A:TYR:H	12	0.58
(3,140)	1:144:A:ALA:HA	1:152:A:LEU:H	19	0.58
(3,135)	1:116:A:LEU:HG	1:118:A:LEU:H	4	0.58
(3,96)	1:107:A:VAL:H	1:132:A:TYR:HE1	9	0.58
(3,96)	1:107:A:VAL:H	1:132:A:TYR:HE2	9	0.58
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE1	6	0.58
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE2	6	0.58
(3,22)	1:122:A:GLU:HA	1:129:A:VAL:H	7	0.58
(3,22)	1:122:A:GLU:HA	1:129:A:VAL:H	20	0.58
(4,13)	1:109:A:PHE:O	1:134:A:THR:N	11	0.57
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB2	15	0.57
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB3	15	0.57
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB2	15	0.57
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB3	15	0.57
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB2	15	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB3	15	0.57
(3,2040)	1:88:A:ALA:H	1:91:A:LEU:HB2	8	0.57
(3,2040)	1:88:A:ALA:H	1:91:A:LEU:HB3	8	0.57
(3,2015)	1:80:A:LYS:HB2	1:81:A:ALA:H	12	0.57
(3,2015)	1:80:A:LYS:HB3	1:81:A:ALA:H	12	0.57
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB2	6	0.57
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB3	6	0.57
(3,1915)	1:51:A:SER:HB2	1:54:A:ARG:H	7	0.57
(3,1915)	1:51:A:SER:HB3	1:54:A:ARG:H	7	0.57
(3,1784)	1:21:A:LEU:HB2	1:25:A:GLU:H	15	0.57
(3,1784)	1:21:A:LEU:HB3	1:25:A:GLU:H	15	0.57
(3,1715)	1:7:A:GLY:HA2	1:12:A:GLY:H	18	0.57
(3,1715)	1:7:A:GLY:HA3	1:12:A:GLY:H	18	0.57
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE1	3	0.57
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE2	3	0.57
(3,1337)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	3	0.57
(3,1337)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	3	0.57
(3,1337)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	3	0.57
(3,1337)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	4	0.57
(3,1337)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	4	0.57
(3,1337)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	4	0.57
(3,1308)	1:20:A:LEU:HD21	1:58:A:THR:HA	19	0.57
(3,1308)	1:20:A:LEU:HD22	1:58:A:THR:HA	19	0.57
(3,1308)	1:20:A:LEU:HD23	1:58:A:THR:HA	19	0.57
(3,1218)	1:26:A:LEU:HD21	1:27:A:GLN:HA	3	0.57
(3,1218)	1:26:A:LEU:HD22	1:27:A:GLN:HA	3	0.57
(3,1218)	1:26:A:LEU:HD23	1:27:A:GLN:HA	3	0.57
(3,1218)	1:26:A:LEU:HD21	1:27:A:GLN:HA	9	0.57
(3,1218)	1:26:A:LEU:HD22	1:27:A:GLN:HA	9	0.57
(3,1218)	1:26:A:LEU:HD23	1:27:A:GLN:HA	9	0.57
(3,1151)	1:116:A:LEU:HG	1:117:A:SER:H	9	0.57
(3,952)	1:70:A:LEU:HD21	1:73:A:VAL:H	3	0.57
(3,952)	1:70:A:LEU:HD22	1:73:A:VAL:H	3	0.57
(3,952)	1:70:A:LEU:HD23	1:73:A:VAL:H	3	0.57
(3,936)	1:11:A:LEU:H	1:13:A:ALA:H	8	0.57
(3,853)	1:93:A:ALA:H	1:139:A:PHE:HD1	12	0.57
(3,853)	1:93:A:ALA:H	1:139:A:PHE:HD2	12	0.57
(3,700)	1:124:A:LEU:HD11	1:125:A:THR:H	3	0.57
(3,700)	1:124:A:LEU:HD12	1:125:A:THR:H	3	0.57
(3,700)	1:124:A:LEU:HD13	1:125:A:THR:H	3	0.57
(3,684)	1:48:A:GLY:H	1:49:A:LEU:HG	18	0.57
(3,469)	1:83:A:LEU:HD11	1:87:A:LYS:H	2	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,469)	1:83:A:LEU:HD12	1:87:A:LYS:H	2	0.57
(3,469)	1:83:A:LEU:HD13	1:87:A:LYS:H	2	0.57
(3,395)	1:25:A:GLU:HB2	1:26:A:LEU:H	10	0.57
(3,298)	1:6:A:ILE:HG21	1:115:A:THR:H	17	0.57
(3,298)	1:6:A:ILE:HG22	1:115:A:THR:H	17	0.57
(3,298)	1:6:A:ILE:HG23	1:115:A:THR:H	17	0.57
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG11	17	0.57
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG12	17	0.57
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG13	17	0.57
(3,2162)	1:122:A:GLU:HG2	1:129:A:VAL:H	17	0.56
(3,2162)	1:122:A:GLU:HG3	1:129:A:VAL:H	17	0.56
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB2	12	0.56
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB3	12	0.56
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB2	12	0.56
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB3	12	0.56
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB2	12	0.56
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB3	12	0.56
(3,1853)	1:39:A:SER:HA	1:111:A:ASN:HD21	4	0.56
(3,1853)	1:39:A:SER:HA	1:111:A:ASN:HD22	4	0.56
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB2	10	0.56
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB3	10	0.56
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB2	10	0.56
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB3	10	0.56
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB2	10	0.56
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB3	10	0.56
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG2	18	0.56
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG3	18	0.56
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG2	18	0.56
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG3	18	0.56
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG2	18	0.56
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG3	18	0.56
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB2	6	0.56
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB3	6	0.56
(3,1671)	1:107:A:VAL:HB	1:129:A:VAL:HG11	8	0.56
(3,1671)	1:107:A:VAL:HB	1:129:A:VAL:HG12	8	0.56
(3,1671)	1:107:A:VAL:HB	1:129:A:VAL:HG13	8	0.56
(3,1606)	1:98:A:LEU:HD11	1:99:A:ASP:H	19	0.56
(3,1606)	1:98:A:LEU:HD12	1:99:A:ASP:H	19	0.56
(3,1606)	1:98:A:LEU:HD13	1:99:A:ASP:H	19	0.56
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD21	19	0.56
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD22	19	0.56
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD23	19	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1539)	1:45:A:VAL:HG11	1:52:A:GLU:HG2	8	0.56
(3,1539)	1:45:A:VAL:HG11	1:52:A:GLU:HG3	8	0.56
(3,1539)	1:45:A:VAL:HG12	1:52:A:GLU:HG2	8	0.56
(3,1539)	1:45:A:VAL:HG12	1:52:A:GLU:HG3	8	0.56
(3,1539)	1:45:A:VAL:HG13	1:52:A:GLU:HG2	8	0.56
(3,1539)	1:45:A:VAL:HG13	1:52:A:GLU:HG3	8	0.56
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB1	8	0.56
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB2	8	0.56
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB3	8	0.56
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB1	8	0.56
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB2	8	0.56
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB3	8	0.56
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB1	8	0.56
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB2	8	0.56
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB3	8	0.56
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE1	8	0.56
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE2	8	0.56
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE1	8	0.56
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE2	8	0.56
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE1	8	0.56
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE2	8	0.56
(3,1323)	1:6:A:ILE:HB	1:116:A:LEU:HB3	17	0.56
(3,1320)	1:6:A:ILE:HG21	1:115:A:THR:HB	14	0.56
(3,1320)	1:6:A:ILE:HG22	1:115:A:THR:HB	14	0.56
(3,1320)	1:6:A:ILE:HG23	1:115:A:THR:HB	14	0.56
(3,1309)	1:55:A:ILE:HA	1:58:A:THR:HB	1	0.56
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB1	12	0.56
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB2	12	0.56
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB3	12	0.56
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB1	12	0.56
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB2	12	0.56
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB3	12	0.56
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB1	12	0.56
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB2	12	0.56
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB3	12	0.56
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD11	4	0.56
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD12	4	0.56
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD13	4	0.56
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD11	5	0.56
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD12	5	0.56
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD13	5	0.56
(3,1134)	1:134:A:THR:HG21	1:139:A:PHE:HD1	15	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1134)	1:134:A:THR:HG21	1:139:A:PHE:HD2	15	0.56
(3,1134)	1:134:A:THR:HG22	1:139:A:PHE:HD1	15	0.56
(3,1134)	1:134:A:THR:HG22	1:139:A:PHE:HD2	15	0.56
(3,1134)	1:134:A:THR:HG23	1:139:A:PHE:HD1	15	0.56
(3,1134)	1:134:A:THR:HG23	1:139:A:PHE:HD2	15	0.56
(3,1094)	1:14:A:ALA:HB1	1:58:A:THR:HG21	11	0.56
(3,1094)	1:14:A:ALA:HB1	1:58:A:THR:HG22	11	0.56
(3,1094)	1:14:A:ALA:HB1	1:58:A:THR:HG23	11	0.56
(3,1094)	1:14:A:ALA:HB2	1:58:A:THR:HG21	11	0.56
(3,1094)	1:14:A:ALA:HB2	1:58:A:THR:HG22	11	0.56
(3,1094)	1:14:A:ALA:HB2	1:58:A:THR:HG23	11	0.56
(3,1094)	1:14:A:ALA:HB3	1:58:A:THR:HG21	11	0.56
(3,1094)	1:14:A:ALA:HB3	1:58:A:THR:HG22	11	0.56
(3,1094)	1:14:A:ALA:HB3	1:58:A:THR:HG23	11	0.56
(3,978)	1:32:A:ARG:H	1:34:A:ARG:HB2	15	0.56
(3,978)	1:32:A:ARG:H	1:34:A:ARG:HB3	15	0.56
(3,952)	1:70:A:LEU:HD21	1:73:A:VAL:H	14	0.56
(3,952)	1:70:A:LEU:HD22	1:73:A:VAL:H	14	0.56
(3,952)	1:70:A:LEU:HD23	1:73:A:VAL:H	14	0.56
(3,861)	1:99:A:ASP:H	1:106:A:ARG:H	18	0.56
(3,763)	1:32:A:ARG:H	1:35:A:GLU:H	17	0.56
(3,700)	1:124:A:LEU:HD11	1:125:A:THR:H	13	0.56
(3,700)	1:124:A:LEU:HD12	1:125:A:THR:H	13	0.56
(3,700)	1:124:A:LEU:HD13	1:125:A:THR:H	13	0.56
(3,655)	1:22:A:THR:H	1:25:A:GLU:HA	8	0.56
(3,596)	1:83:A:LEU:HD11	1:89:A:LYS:H	16	0.56
(3,596)	1:83:A:LEU:HD12	1:89:A:LYS:H	16	0.56
(3,596)	1:83:A:LEU:HD13	1:89:A:LYS:H	16	0.56
(3,457)	1:26:A:LEU:HD21	1:27:A:GLN:H	14	0.56
(3,457)	1:26:A:LEU:HD22	1:27:A:GLN:H	14	0.56
(3,457)	1:26:A:LEU:HD23	1:27:A:GLN:H	14	0.56
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD11	5	0.56
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD12	5	0.56
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD13	5	0.56
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG11	16	0.56
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG12	16	0.56
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG13	16	0.56
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE1	15	0.56
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE2	15	0.56
(3,78)	1:11:A:LEU:HD21	1:40:A:LEU:H	6	0.56
(3,78)	1:11:A:LEU:HD22	1:40:A:LEU:H	6	0.56
(3,78)	1:11:A:LEU:HD23	1:40:A:LEU:H	6	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,22)	1:122:A:GLU:HA	1:129:A:VAL:H	14	0.56
(4,16)	1:109:A:PHE:H	1:132:A:TYR:O	19	0.55
(4,14)	1:109:A:PHE:O	1:134:A:THR:H	7	0.55
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG21	3	0.55
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG22	3	0.55
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG23	3	0.55
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG21	3	0.55
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG22	3	0.55
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG23	3	0.55
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB2	4	0.55
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB3	4	0.55
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB2	4	0.55
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB3	4	0.55
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB2	4	0.55
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB3	4	0.55
(3,2056)	1:91:A:LEU:HD11	1:120:A:GLU:HB2	2	0.55
(3,2056)	1:91:A:LEU:HD11	1:120:A:GLU:HB3	2	0.55
(3,2056)	1:91:A:LEU:HD12	1:120:A:GLU:HB2	2	0.55
(3,2056)	1:91:A:LEU:HD12	1:120:A:GLU:HB3	2	0.55
(3,2056)	1:91:A:LEU:HD13	1:120:A:GLU:HB2	2	0.55
(3,2056)	1:91:A:LEU:HD13	1:120:A:GLU:HB3	2	0.55
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB2	10	0.55
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB3	10	0.55
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD21	8	0.55
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD22	8	0.55
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD23	8	0.55
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD21	8	0.55
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD22	8	0.55
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD23	8	0.55
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG21	8	0.55
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG22	8	0.55
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG23	8	0.55
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG21	6	0.55
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG22	6	0.55
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG23	6	0.55
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG21	6	0.55
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG22	6	0.55
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG23	6	0.55
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG21	6	0.55
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG22	6	0.55
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG23	6	0.55
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG21	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG22	17	0.55
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG23	17	0.55
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG21	12	0.55
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG22	12	0.55
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG23	12	0.55
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE1	13	0.55
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE2	13	0.55
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD21	14	0.55
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD22	14	0.55
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD23	14	0.55
(3,1293)	1:43:A:VAL:HG21	1:44:A:LEU:HA	2	0.55
(3,1293)	1:43:A:VAL:HG22	1:44:A:LEU:HA	2	0.55
(3,1293)	1:43:A:VAL:HG23	1:44:A:LEU:HA	2	0.55
(3,1282)	1:4:A:LEU:HB2	1:5:A:THR:HB	5	0.55
(3,1282)	1:4:A:LEU:HB3	1:5:A:THR:HB	5	0.55
(3,1281)	1:22:A:THR:HB	1:23:A:ASP:HB2	1	0.55
(3,1281)	1:22:A:THR:HB	1:23:A:ASP:HB3	1	0.55
(3,1273)	1:13:A:ALA:HB1	1:16:A:LEU:HB3	4	0.55
(3,1273)	1:13:A:ALA:HB2	1:16:A:LEU:HB3	4	0.55
(3,1273)	1:13:A:ALA:HB3	1:16:A:LEU:HB3	4	0.55
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD11	4	0.55
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD12	4	0.55
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD13	4	0.55
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD11	4	0.55
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD12	4	0.55
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD13	4	0.55
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD11	4	0.55
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD12	4	0.55
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD13	4	0.55
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD21	9	0.55
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD22	9	0.55
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD23	9	0.55
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD21	9	0.55
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD22	9	0.55
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD23	9	0.55
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD21	9	0.55
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD22	9	0.55
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD23	9	0.55
(3,1099)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	16	0.55
(3,1099)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	16	0.55
(3,1099)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	16	0.55
(3,912)	1:56:A:ALA:HA	1:133:A:GLN:HE21	8	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,897)	1:105:A:VAL:HG21	1:125:A:THR:H	18	0.55
(3,897)	1:105:A:VAL:HG22	1:125:A:THR:H	18	0.55
(3,897)	1:105:A:VAL:HG23	1:125:A:THR:H	18	0.55
(3,861)	1:99:A:ASP:H	1:106:A:ARG:H	3	0.55
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD21	6	0.55
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD22	6	0.55
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD23	6	0.55
(3,700)	1:124:A:LEU:HD11	1:125:A:THR:H	8	0.55
(3,700)	1:124:A:LEU:HD12	1:125:A:THR:H	8	0.55
(3,700)	1:124:A:LEU:HD13	1:125:A:THR:H	8	0.55
(3,660)	1:32:A:ARG:HA	1:36:A:VAL:H	18	0.55
(3,527)	1:94:A:ILE:H	1:94:A:ILE:HG13	13	0.55
(3,409)	1:109:A:PHE:HD1	1:132:A:TYR:H	19	0.55
(3,409)	1:109:A:PHE:HD2	1:132:A:TYR:H	19	0.55
(3,395)	1:25:A:GLU:HB2	1:26:A:LEU:H	14	0.55
(3,361)	1:140:A:LEU:HD11	1:141:A:TYR:H	11	0.55
(3,361)	1:140:A:LEU:HD12	1:141:A:TYR:H	11	0.55
(3,361)	1:140:A:LEU:HD13	1:141:A:TYR:H	11	0.55
(3,312)	1:101:A:GLU:HB2	1:102:A:ALA:H	9	0.55
(3,312)	1:101:A:GLU:HB3	1:102:A:ALA:H	9	0.55
(3,242)	1:9:A:LYS:H	1:9:A:LYS:HD2	13	0.55
(3,242)	1:9:A:LYS:H	1:9:A:LYS:HD3	13	0.55
(3,214)	1:109:A:PHE:H	1:134:A:THR:HB	6	0.55
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG11	1	0.55
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG12	1	0.55
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG13	1	0.55
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD2	10	0.55
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD3	10	0.55
(4,14)	1:109:A:PHE:O	1:134:A:THR:H	17	0.54
(3,2112)	1:110:A:LEU:HB2	1:134:A:THR:HG21	13	0.54
(3,2112)	1:110:A:LEU:HB2	1:134:A:THR:HG22	13	0.54
(3,2112)	1:110:A:LEU:HB2	1:134:A:THR:HG23	13	0.54
(3,2112)	1:110:A:LEU:HB3	1:134:A:THR:HG21	13	0.54
(3,2112)	1:110:A:LEU:HB3	1:134:A:THR:HG22	13	0.54
(3,2112)	1:110:A:LEU:HB3	1:134:A:THR:HG23	13	0.54
(3,2097)	1:105:A:VAL:H	1:127:A:LEU:HB2	14	0.54
(3,2097)	1:105:A:VAL:H	1:127:A:LEU:HB3	14	0.54
(3,2066)	1:93:A:ALA:H	1:94:A:ILE:HG12	13	0.54
(3,2066)	1:93:A:ALA:H	1:94:A:ILE:HG13	13	0.54
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG2	9	0.54
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG3	9	0.54
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG2	9	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG3	9	0.54
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG2	9	0.54
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG3	9	0.54
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG2	10	0.54
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG3	10	0.54
(3,1671)	1:107:A:VAL:HB	1:129:A:VAL:HG11	13	0.54
(3,1671)	1:107:A:VAL:HB	1:129:A:VAL:HG12	13	0.54
(3,1671)	1:107:A:VAL:HB	1:129:A:VAL:HG13	13	0.54
(3,1494)	1:16:A:LEU:HD21	1:17:A:ASP:HA	3	0.54
(3,1494)	1:16:A:LEU:HD22	1:17:A:ASP:HA	3	0.54
(3,1494)	1:16:A:LEU:HD23	1:17:A:ASP:HA	3	0.54
(3,1438)	1:109:A:PHE:HD1	1:131:A:PRO:HA	2	0.54
(3,1438)	1:109:A:PHE:HD2	1:131:A:PRO:HA	2	0.54
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB1	15	0.54
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB2	15	0.54
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB3	15	0.54
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB1	15	0.54
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB2	15	0.54
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB3	15	0.54
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB1	15	0.54
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB2	15	0.54
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB3	15	0.54
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE1	8	0.54
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE2	8	0.54
(3,1324)	1:6:A:ILE:HG21	1:115:A:THR:HA	8	0.54
(3,1324)	1:6:A:ILE:HG22	1:115:A:THR:HA	8	0.54
(3,1324)	1:6:A:ILE:HG23	1:115:A:THR:HA	8	0.54
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD11	10	0.54
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD12	10	0.54
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD13	10	0.54
(3,1151)	1:116:A:LEU:HG	1:117:A:SER:H	2	0.54
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD21	14	0.54
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD22	14	0.54
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD23	14	0.54
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD21	14	0.54
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD22	14	0.54
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD23	14	0.54
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD21	14	0.54
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD22	14	0.54
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD23	14	0.54
(3,989)	1:4:A:LEU:H	1:9:A:LYS:HE2	5	0.54
(3,989)	1:4:A:LEU:H	1:9:A:LYS:HE3	5	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG21	2	0.54
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG22	2	0.54
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG23	2	0.54
(3,832)	1:80:A:LYS:H	1:82:A:LEU:HG	5	0.54
(3,799)	1:24:A:GLU:H	1:27:A:GLN:HB2	11	0.54
(3,799)	1:24:A:GLU:H	1:27:A:GLN:HB3	11	0.54
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD21	8	0.54
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD22	8	0.54
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD23	8	0.54
(3,684)	1:48:A:GLY:H	1:49:A:LEU:HG	3	0.54
(3,596)	1:83:A:LEU:HD11	1:89:A:LYS:H	13	0.54
(3,596)	1:83:A:LEU:HD12	1:89:A:LYS:H	13	0.54
(3,596)	1:83:A:LEU:HD13	1:89:A:LYS:H	13	0.54
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD11	12	0.54
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD12	12	0.54
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD13	12	0.54
(3,395)	1:25:A:GLU:HB2	1:26:A:LEU:H	9	0.54
(3,385)	1:75:A:ILE:HG21	1:80:A:LYS:H	2	0.54
(3,385)	1:75:A:ILE:HG22	1:80:A:LYS:H	2	0.54
(3,385)	1:75:A:ILE:HG23	1:80:A:LYS:H	2	0.54
(3,135)	1:116:A:LEU:HG	1:118:A:LEU:H	3	0.54
(3,135)	1:116:A:LEU:HG	1:118:A:LEU:H	18	0.54
(3,37)	1:105:A:VAL:H	1:129:A:VAL:HB	5	0.54
(3,22)	1:122:A:GLU:HA	1:129:A:VAL:H	10	0.54
(2,1)	1:109:A:PHE:H	1:134:A:THR:HB	16	0.54
(4,16)	1:109:A:PHE:H	1:132:A:TYR:O	6	0.53
(4,15)	1:109:A:PHE:N	1:132:A:TYR:O	15	0.53
(3,2162)	1:122:A:GLU:HG2	1:129:A:VAL:H	18	0.53
(3,2162)	1:122:A:GLU:HG3	1:129:A:VAL:H	18	0.53
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG2	4	0.53
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG3	4	0.53
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB2	13	0.53
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB3	13	0.53
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB2	13	0.53
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB3	13	0.53
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB2	13	0.53
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB3	13	0.53
(3,2111)	1:110:A:LEU:HB2	1:111:A:ASN:HD21	9	0.53
(3,2111)	1:110:A:LEU:HB2	1:111:A:ASN:HD22	9	0.53
(3,2111)	1:110:A:LEU:HB3	1:111:A:ASN:HD21	9	0.53
(3,2111)	1:110:A:LEU:HB3	1:111:A:ASN:HD22	9	0.53
(3,2097)	1:105:A:VAL:H	1:127:A:LEU:HB2	17	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2097)	1:105:A:VAL:H	1:127:A:LEU:HB3	17	0.53
(3,1956)	1:61:A:ASP:H	1:62:A:ARG:HG2	10	0.53
(3,1956)	1:61:A:ASP:H	1:62:A:ARG:HG3	10	0.53
(3,1787)	1:21:A:LEU:HD21	1:25:A:GLU:HB2	10	0.53
(3,1787)	1:21:A:LEU:HD21	1:25:A:GLU:HB3	10	0.53
(3,1787)	1:21:A:LEU:HD22	1:25:A:GLU:HB2	10	0.53
(3,1787)	1:21:A:LEU:HD22	1:25:A:GLU:HB3	10	0.53
(3,1787)	1:21:A:LEU:HD23	1:25:A:GLU:HB2	10	0.53
(3,1787)	1:21:A:LEU:HD23	1:25:A:GLU:HB3	10	0.53
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD11	1	0.53
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD12	1	0.53
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD13	1	0.53
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG11	1	0.53
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG12	1	0.53
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG13	1	0.53
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG11	1	0.53
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG12	1	0.53
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG13	1	0.53
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG11	1	0.53
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG12	1	0.53
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG13	1	0.53
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG11	8	0.53
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG12	8	0.53
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG13	8	0.53
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG11	8	0.53
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG12	8	0.53
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG13	8	0.53
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG11	8	0.53
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG12	8	0.53
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG13	8	0.53
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG11	9	0.53
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG12	9	0.53
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG13	9	0.53
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG11	9	0.53
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG12	9	0.53
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG13	9	0.53
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG11	9	0.53
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG12	9	0.53
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG13	9	0.53
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD11	16	0.53
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD12	16	0.53
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD13	16	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG21	14	0.53
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG22	14	0.53
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG23	14	0.53
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE1	13	0.53
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE2	13	0.53
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE1	13	0.53
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE2	13	0.53
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE1	13	0.53
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE2	13	0.53
(3,1337)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	13	0.53
(3,1337)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	13	0.53
(3,1337)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	13	0.53
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD2	14	0.53
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD3	14	0.53
(3,1310)	1:55:A:ILE:HG21	1:58:A:THR:HB	4	0.53
(3,1310)	1:55:A:ILE:HG22	1:58:A:THR:HB	4	0.53
(3,1310)	1:55:A:ILE:HG23	1:58:A:THR:HB	4	0.53
(3,1310)	1:55:A:ILE:HG21	1:58:A:THR:HB	5	0.53
(3,1310)	1:55:A:ILE:HG22	1:58:A:THR:HB	5	0.53
(3,1310)	1:55:A:ILE:HG23	1:58:A:THR:HB	5	0.53
(3,1308)	1:20:A:LEU:HD21	1:58:A:THR:HA	1	0.53
(3,1308)	1:20:A:LEU:HD22	1:58:A:THR:HA	1	0.53
(3,1308)	1:20:A:LEU:HD23	1:58:A:THR:HA	1	0.53
(3,1235)	1:83:A:LEU:HD21	1:121:A:VAL:HA	20	0.53
(3,1235)	1:83:A:LEU:HD22	1:121:A:VAL:HA	20	0.53
(3,1235)	1:83:A:LEU:HD23	1:121:A:VAL:HA	20	0.53
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD11	15	0.53
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD12	15	0.53
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD13	15	0.53
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD11	15	0.53
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD12	15	0.53
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD13	15	0.53
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD11	15	0.53
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD12	15	0.53
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD13	15	0.53
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG21	3	0.53
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG22	3	0.53
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG23	3	0.53
(3,897)	1:105:A:VAL:HG21	1:125:A:THR:H	2	0.53
(3,897)	1:105:A:VAL:HG22	1:125:A:THR:H	2	0.53
(3,897)	1:105:A:VAL:HG23	1:125:A:THR:H	2	0.53
(3,861)	1:99:A:ASP:H	1:106:A:ARG:H	17	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD21	2	0.53
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD22	2	0.53
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD23	2	0.53
(3,700)	1:124:A:LEU:HD11	1:125:A:THR:H	14	0.53
(3,700)	1:124:A:LEU:HD12	1:125:A:THR:H	14	0.53
(3,700)	1:124:A:LEU:HD13	1:125:A:THR:H	14	0.53
(3,668)	1:56:A:ALA:HB1	1:133:A:GLN:HE21	1	0.53
(3,668)	1:56:A:ALA:HB2	1:133:A:GLN:HE21	1	0.53
(3,668)	1:56:A:ALA:HB3	1:133:A:GLN:HE21	1	0.53
(3,625)	1:110:A:LEU:HG	1:135:A:THR:H	1	0.53
(3,596)	1:83:A:LEU:HD11	1:89:A:LYS:H	10	0.53
(3,596)	1:83:A:LEU:HD12	1:89:A:LYS:H	10	0.53
(3,596)	1:83:A:LEU:HD13	1:89:A:LYS:H	10	0.53
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD11	11	0.53
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD12	11	0.53
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD13	11	0.53
(3,410)	1:109:A:PHE:HE1	1:132:A:TYR:H	11	0.53
(3,410)	1:109:A:PHE:HE2	1:132:A:TYR:H	11	0.53
(3,361)	1:140:A:LEU:HD11	1:141:A:TYR:H	10	0.53
(3,361)	1:140:A:LEU:HD12	1:141:A:TYR:H	10	0.53
(3,361)	1:140:A:LEU:HD13	1:141:A:TYR:H	10	0.53
(3,307)	1:33:A:HIS:H	1:43:A:VAL:HB	8	0.53
(3,299)	1:101:A:GLU:H	1:101:A:GLU:HG2	13	0.53
(3,299)	1:101:A:GLU:H	1:101:A:GLU:HG3	13	0.53
(3,275)	1:11:A:LEU:HA	1:13:A:ALA:H	3	0.53
(3,214)	1:109:A:PHE:H	1:134:A:THR:HB	13	0.53
(3,135)	1:116:A:LEU:HG	1:118:A:LEU:H	9	0.53
(3,37)	1:105:A:VAL:H	1:129:A:VAL:HB	4	0.53
(3,33)	1:99:A:ASP:H	1:105:A:VAL:HB	8	0.53
(4,22)	1:5:A:THR:H	1:8:A:ASP:OD2	20	0.52
(4,13)	1:109:A:PHE:O	1:134:A:THR:N	13	0.52
(3,1807)	1:30:A:LEU:H	1:31:A:GLU:HG2	2	0.52
(3,1807)	1:30:A:LEU:H	1:31:A:GLU:HG3	2	0.52
(3,1611)	1:104:A:VAL:HG11	1:128:A:VAL:HB	8	0.52
(3,1611)	1:104:A:VAL:HG12	1:128:A:VAL:HB	8	0.52
(3,1611)	1:104:A:VAL:HG13	1:128:A:VAL:HB	8	0.52
(3,1611)	1:104:A:VAL:HG21	1:128:A:VAL:HB	8	0.52
(3,1611)	1:104:A:VAL:HG22	1:128:A:VAL:HB	8	0.52
(3,1611)	1:104:A:VAL:HG23	1:128:A:VAL:HB	8	0.52
(3,1454)	1:67:A:LEU:HD11	1:133:A:GLN:HG2	11	0.52
(3,1454)	1:67:A:LEU:HD11	1:133:A:GLN:HG3	11	0.52
(3,1454)	1:67:A:LEU:HD12	1:133:A:GLN:HG2	11	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1454)	1:67:A:LEU:HD12	1:133:A:GLN:HG3	11	0.52
(3,1454)	1:67:A:LEU:HD13	1:133:A:GLN:HG2	11	0.52
(3,1454)	1:67:A:LEU:HD13	1:133:A:GLN:HG3	11	0.52
(3,1448)	1:109:A:PHE:HD1	1:133:A:GLN:HA	15	0.52
(3,1448)	1:109:A:PHE:HD2	1:133:A:GLN:HA	15	0.52
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA2	12	0.52
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA3	12	0.52
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA2	12	0.52
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA3	12	0.52
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA2	12	0.52
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA3	12	0.52
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG11	12	0.52
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG12	12	0.52
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG13	12	0.52
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG11	12	0.52
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG12	12	0.52
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG13	12	0.52
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG11	12	0.52
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG12	12	0.52
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG13	12	0.52
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG21	3	0.52
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG22	3	0.52
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG23	3	0.52
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD21	4	0.52
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD22	4	0.52
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD23	4	0.52
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD21	20	0.52
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD22	20	0.52
(3,1327)	1:115:A:THR:HG21	1:116:A:LEU:HD23	20	0.52
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD21	20	0.52
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD22	20	0.52
(3,1327)	1:115:A:THR:HG22	1:116:A:LEU:HD23	20	0.52
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD21	20	0.52
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD22	20	0.52
(3,1327)	1:115:A:THR:HG23	1:116:A:LEU:HD23	20	0.52
(3,1236)	1:121:A:VAL:HA	1:124:A:LEU:HB3	5	0.52
(3,1213)	1:94:A:ILE:HD11	1:139:A:PHE:HA	13	0.52
(3,1213)	1:94:A:ILE:HD12	1:139:A:PHE:HA	13	0.52
(3,1213)	1:94:A:ILE:HD13	1:139:A:PHE:HA	13	0.52
(3,1133)	1:110:A:LEU:HD21	1:134:A:THR:HG21	20	0.52
(3,1133)	1:110:A:LEU:HD21	1:134:A:THR:HG22	20	0.52
(3,1133)	1:110:A:LEU:HD21	1:134:A:THR:HG23	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1133)	1:110:A:LEU:HD22	1:134:A:THR:HG21	20	0.52
(3,1133)	1:110:A:LEU:HD22	1:134:A:THR:HG22	20	0.52
(3,1133)	1:110:A:LEU:HD22	1:134:A:THR:HG23	20	0.52
(3,1133)	1:110:A:LEU:HD23	1:134:A:THR:HG21	20	0.52
(3,1133)	1:110:A:LEU:HD23	1:134:A:THR:HG22	20	0.52
(3,1133)	1:110:A:LEU:HD23	1:134:A:THR:HG23	20	0.52
(3,1051)	1:54:A:ARG:HA	1:54:A:ARG:HD2	8	0.52
(3,1051)	1:54:A:ARG:HA	1:54:A:ARG:HD3	8	0.52
(3,952)	1:70:A:LEU:HD21	1:73:A:VAL:H	20	0.52
(3,952)	1:70:A:LEU:HD22	1:73:A:VAL:H	20	0.52
(3,952)	1:70:A:LEU:HD23	1:73:A:VAL:H	20	0.52
(3,897)	1:105:A:VAL:HG21	1:125:A:THR:H	1	0.52
(3,897)	1:105:A:VAL:HG22	1:125:A:THR:H	1	0.52
(3,897)	1:105:A:VAL:HG23	1:125:A:THR:H	1	0.52
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG21	18	0.52
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG22	18	0.52
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG23	18	0.52
(3,861)	1:99:A:ASP:H	1:106:A:ARG:H	10	0.52
(3,774)	1:35:A:GLU:HB3	1:36:A:VAL:H	16	0.52
(3,700)	1:124:A:LEU:HD11	1:125:A:THR:H	15	0.52
(3,700)	1:124:A:LEU:HD12	1:125:A:THR:H	15	0.52
(3,700)	1:124:A:LEU:HD13	1:125:A:THR:H	15	0.52
(3,700)	1:124:A:LEU:HD11	1:125:A:THR:H	17	0.52
(3,700)	1:124:A:LEU:HD12	1:125:A:THR:H	17	0.52
(3,700)	1:124:A:LEU:HD13	1:125:A:THR:H	17	0.52
(3,684)	1:48:A:GLY:H	1:49:A:LEU:HG	13	0.52
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD21	11	0.52
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD22	11	0.52
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD23	11	0.52
(3,643)	1:33:A:HIS:HA	1:37:A:GLY:H	16	0.52
(3,395)	1:25:A:GLU:HB2	1:26:A:LEU:H	16	0.52
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD21	7	0.52
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD22	7	0.52
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD23	7	0.52
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG11	18	0.52
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG12	18	0.52
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG13	18	0.52
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG11	19	0.52
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG12	19	0.52
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG13	19	0.52
(3,96)	1:107:A:VAL:H	1:132:A:TYR:HE1	14	0.52
(3,96)	1:107:A:VAL:H	1:132:A:TYR:HE2	14	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE1	4	0.52
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE2	4	0.52
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE1	20	0.52
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE2	20	0.52
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD11	9	0.52
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD12	9	0.52
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD13	9	0.52
(3,22)	1:122:A:GLU:HA	1:129:A:VAL:H	11	0.52
(2,1)	1:109:A:PHE:H	1:134:A:THR:HB	10	0.52
(4,14)	1:109:A:PHE:O	1:134:A:THR:H	2	0.51
(3,2149)	1:120:A:GLU:HG2	1:123:A:ASP:HB2	6	0.51
(3,2149)	1:120:A:GLU:HG2	1:123:A:ASP:HB3	6	0.51
(3,2149)	1:120:A:GLU:HG3	1:123:A:ASP:HB2	6	0.51
(3,2149)	1:120:A:GLU:HG3	1:123:A:ASP:HB3	6	0.51
(3,1817)	1:32:A:ARG:H	1:33:A:HIS:HB2	16	0.51
(3,1817)	1:32:A:ARG:H	1:33:A:HIS:HB3	16	0.51
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB2	20	0.51
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB3	20	0.51
(3,1715)	1:7:A:GLY:HA2	1:12:A:GLY:H	8	0.51
(3,1715)	1:7:A:GLY:HA3	1:12:A:GLY:H	8	0.51
(3,1689)	1:29:A:ALA:HB1	1:44:A:LEU:HG	20	0.51
(3,1689)	1:29:A:ALA:HB2	1:44:A:LEU:HG	20	0.51
(3,1689)	1:29:A:ALA:HB3	1:44:A:LEU:HG	20	0.51
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE1	13	0.51
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE2	13	0.51
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE1	13	0.51
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE2	13	0.51
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE1	13	0.51
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE2	13	0.51
(3,1553)	1:20:A:LEU:H	1:50:A:LEU:HD11	17	0.51
(3,1553)	1:20:A:LEU:H	1:50:A:LEU:HD12	17	0.51
(3,1553)	1:20:A:LEU:H	1:50:A:LEU:HD13	17	0.51
(3,1548)	1:29:A:ALA:HA	1:49:A:LEU:HD11	9	0.51
(3,1548)	1:29:A:ALA:HA	1:49:A:LEU:HD12	9	0.51
(3,1548)	1:29:A:ALA:HA	1:49:A:LEU:HD13	9	0.51
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG21	5	0.51
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG22	5	0.51
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG23	5	0.51
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG21	5	0.51
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG22	5	0.51
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG23	5	0.51
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG21	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG22	5	0.51
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG23	5	0.51
(3,1414)	1:110:A:LEU:HA	1:134:A:THR:HG21	13	0.51
(3,1414)	1:110:A:LEU:HA	1:134:A:THR:HG22	13	0.51
(3,1414)	1:110:A:LEU:HA	1:134:A:THR:HG23	13	0.51
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE1	10	0.51
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE2	10	0.51
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE1	10	0.51
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE2	10	0.51
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE1	10	0.51
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE2	10	0.51
(3,1337)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	1	0.51
(3,1337)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	1	0.51
(3,1337)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	1	0.51
(3,1233)	1:120:A:GLU:HA	1:123:A:ASP:HB2	1	0.51
(3,1233)	1:120:A:GLU:HA	1:123:A:ASP:HB2	11	0.51
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD11	6	0.51
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD12	6	0.51
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD13	6	0.51
(3,1099)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	19	0.51
(3,1099)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	19	0.51
(3,1099)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	19	0.51
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG21	7	0.51
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG22	7	0.51
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG23	7	0.51
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB2	5	0.51
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB3	5	0.51
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD21	3	0.51
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD22	3	0.51
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD23	3	0.51
(3,710)	1:7:A:GLY:H	1:115:A:THR:HB	15	0.51
(3,700)	1:124:A:LEU:HD11	1:125:A:THR:H	2	0.51
(3,700)	1:124:A:LEU:HD12	1:125:A:THR:H	2	0.51
(3,700)	1:124:A:LEU:HD13	1:125:A:THR:H	2	0.51
(3,666)	1:59:A:ILE:HB	1:133:A:GLN:HE21	15	0.51
(3,660)	1:32:A:ARG:HA	1:36:A:VAL:H	11	0.51
(3,596)	1:83:A:LEU:HD11	1:89:A:LYS:H	8	0.51
(3,596)	1:83:A:LEU:HD12	1:89:A:LYS:H	8	0.51
(3,596)	1:83:A:LEU:HD13	1:89:A:LYS:H	8	0.51
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG12	1	0.51
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG13	1	0.51
(3,500)	1:85:A:ALA:HB1	1:147:A:TYR:H	18	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,500)	1:85:A:ALA:HB2	1:147:A:TYR:H	18	0.51
(3,500)	1:85:A:ALA:HB3	1:147:A:TYR:H	18	0.51
(3,302)	1:33:A:HIS:H	1:43:A:VAL:HG21	6	0.51
(3,302)	1:33:A:HIS:H	1:43:A:VAL:HG22	6	0.51
(3,302)	1:33:A:HIS:H	1:43:A:VAL:HG23	6	0.51
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD21	5	0.51
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD22	5	0.51
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD23	5	0.51
(3,196)	1:55:A:ILE:HD11	1:56:A:ALA:H	15	0.51
(3,196)	1:55:A:ILE:HD12	1:56:A:ALA:H	15	0.51
(3,196)	1:55:A:ILE:HD13	1:56:A:ALA:H	15	0.51
(3,96)	1:107:A:VAL:H	1:132:A:TYR:HE1	19	0.51
(3,96)	1:107:A:VAL:H	1:132:A:TYR:HE2	19	0.51
(2,1)	1:109:A:PHE:H	1:134:A:THR:HB	9	0.51
(4,21)	1:5:A:THR:N	1:8:A:ASP:OD2	20	0.5
(3,2200)	1:143:A:LEU:H	1:145:A:LYS:HB2	20	0.5
(3,2200)	1:143:A:LEU:H	1:145:A:LYS:HB3	20	0.5
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG21	7	0.5
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG22	7	0.5
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG23	7	0.5
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG21	7	0.5
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG22	7	0.5
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG23	7	0.5
(3,2162)	1:122:A:GLU:HG2	1:129:A:VAL:H	12	0.5
(3,2162)	1:122:A:GLU:HG3	1:129:A:VAL:H	12	0.5
(3,2149)	1:120:A:GLU:HG2	1:123:A:ASP:HB2	7	0.5
(3,2149)	1:120:A:GLU:HG2	1:123:A:ASP:HB3	7	0.5
(3,2149)	1:120:A:GLU:HG3	1:123:A:ASP:HB2	7	0.5
(3,2149)	1:120:A:GLU:HG3	1:123:A:ASP:HB3	7	0.5
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB2	1	0.5
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB3	1	0.5
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB2	1	0.5
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB3	1	0.5
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB2	1	0.5
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB3	1	0.5
(3,2073)	1:96:A:PHE:HB2	1:108:A:ALA:H	8	0.5
(3,2073)	1:96:A:PHE:HB3	1:108:A:ALA:H	8	0.5
(3,2066)	1:93:A:ALA:H	1:94:A:ILE:HG12	17	0.5
(3,2066)	1:93:A:ALA:H	1:94:A:ILE:HG13	17	0.5
(3,2035)	1:85:A:ALA:HB1	1:147:A:TYR:HB2	11	0.5
(3,2035)	1:85:A:ALA:HB1	1:147:A:TYR:HB3	11	0.5
(3,2035)	1:85:A:ALA:HB2	1:147:A:TYR:HB2	11	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2035)	1:85:A:ALA:HB2	1:147:A:TYR:HB3	11	0.5
(3,2035)	1:85:A:ALA:HB3	1:147:A:TYR:HB2	11	0.5
(3,2035)	1:85:A:ALA:HB3	1:147:A:TYR:HB3	11	0.5
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB2	15	0.5
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB3	15	0.5
(3,1914)	1:51:A:SER:HB2	1:53:A:ARG:HA	13	0.5
(3,1914)	1:51:A:SER:HB3	1:53:A:ARG:HA	13	0.5
(3,1842)	1:35:A:GLU:HB2	1:36:A:VAL:H	16	0.5
(3,1842)	1:35:A:GLU:HB3	1:36:A:VAL:H	16	0.5
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD11	3	0.5
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD12	3	0.5
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD13	3	0.5
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD11	5	0.5
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD12	5	0.5
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD13	5	0.5
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG11	3	0.5
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG12	3	0.5
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG13	3	0.5
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG11	3	0.5
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG12	3	0.5
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG13	3	0.5
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG11	3	0.5
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG12	3	0.5
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG13	3	0.5
(3,1537)	1:44:A:LEU:HD21	1:55:A:ILE:HG12	18	0.5
(3,1537)	1:44:A:LEU:HD21	1:55:A:ILE:HG13	18	0.5
(3,1537)	1:44:A:LEU:HD22	1:55:A:ILE:HG12	18	0.5
(3,1537)	1:44:A:LEU:HD22	1:55:A:ILE:HG13	18	0.5
(3,1537)	1:44:A:LEU:HD23	1:55:A:ILE:HG12	18	0.5
(3,1537)	1:44:A:LEU:HD23	1:55:A:ILE:HG13	18	0.5
(3,1520)	1:40:A:LEU:HD11	1:43:A:VAL:HB	6	0.5
(3,1520)	1:40:A:LEU:HD12	1:43:A:VAL:HB	6	0.5
(3,1520)	1:40:A:LEU:HD13	1:43:A:VAL:HB	6	0.5
(3,1515)	1:32:A:ARG:HA	1:36:A:VAL:HG11	11	0.5
(3,1515)	1:32:A:ARG:HA	1:36:A:VAL:HG12	11	0.5
(3,1515)	1:32:A:ARG:HA	1:36:A:VAL:HG13	11	0.5
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD11	7	0.5
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD12	7	0.5
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD13	7	0.5
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD11	7	0.5
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD12	7	0.5
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD13	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD11	7	0.5
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD12	7	0.5
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD13	7	0.5
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD11	16	0.5
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD12	16	0.5
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD13	16	0.5
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD11	16	0.5
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD12	16	0.5
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD13	16	0.5
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD11	16	0.5
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD12	16	0.5
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD13	16	0.5
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA2	18	0.5
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA3	18	0.5
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA2	18	0.5
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA3	18	0.5
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA2	18	0.5
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA3	18	0.5
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG21	16	0.5
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG22	16	0.5
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG23	16	0.5
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG21	5	0.5
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG22	5	0.5
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG23	5	0.5
(3,1310)	1:55:A:ILE:HG21	1:58:A:THR:HB	12	0.5
(3,1310)	1:55:A:ILE:HG22	1:58:A:THR:HB	12	0.5
(3,1310)	1:55:A:ILE:HG23	1:58:A:THR:HB	12	0.5
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG21	12	0.5
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG22	12	0.5
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG23	12	0.5
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG21	12	0.5
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG22	12	0.5
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG23	12	0.5
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG21	12	0.5
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG22	12	0.5
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG23	12	0.5
(3,1218)	1:26:A:LEU:HD21	1:27:A:GLN:HA	6	0.5
(3,1218)	1:26:A:LEU:HD22	1:27:A:GLN:HA	6	0.5
(3,1218)	1:26:A:LEU:HD23	1:27:A:GLN:HA	6	0.5
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG21	4	0.5
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG22	4	0.5
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG23	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG21	4	0.5
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG22	4	0.5
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG23	4	0.5
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG21	4	0.5
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG22	4	0.5
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG23	4	0.5
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD11	18	0.5
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD12	18	0.5
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD13	18	0.5
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD11	18	0.5
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD12	18	0.5
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD13	18	0.5
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD11	18	0.5
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD12	18	0.5
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD13	18	0.5
(3,967)	1:16:A:LEU:HD11	1:17:A:ASP:H	5	0.5
(3,967)	1:16:A:LEU:HD12	1:17:A:ASP:H	5	0.5
(3,967)	1:16:A:LEU:HD13	1:17:A:ASP:H	5	0.5
(3,952)	1:70:A:LEU:HD21	1:73:A:VAL:H	2	0.5
(3,952)	1:70:A:LEU:HD22	1:73:A:VAL:H	2	0.5
(3,952)	1:70:A:LEU:HD23	1:73:A:VAL:H	2	0.5
(3,952)	1:70:A:LEU:HD21	1:73:A:VAL:H	9	0.5
(3,952)	1:70:A:LEU:HD22	1:73:A:VAL:H	9	0.5
(3,952)	1:70:A:LEU:HD23	1:73:A:VAL:H	9	0.5
(3,912)	1:56:A:ALA:HA	1:133:A:GLN:HE21	18	0.5
(3,861)	1:99:A:ASP:H	1:106:A:ARG:H	19	0.5
(3,853)	1:93:A:ALA:H	1:139:A:PHE:HD1	14	0.5
(3,853)	1:93:A:ALA:H	1:139:A:PHE:HD2	14	0.5
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD21	1	0.5
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD22	1	0.5
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD23	1	0.5
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD21	10	0.5
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD22	10	0.5
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD23	10	0.5
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD21	16	0.5
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD22	16	0.5
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD23	16	0.5
(3,408)	1:129:A:VAL:HG21	1:132:A:TYR:H	4	0.5
(3,408)	1:129:A:VAL:HG22	1:132:A:TYR:H	4	0.5
(3,408)	1:129:A:VAL:HG23	1:132:A:TYR:H	4	0.5
(3,404)	1:118:A:LEU:HD11	1:132:A:TYR:H	5	0.5
(3,404)	1:118:A:LEU:HD12	1:132:A:TYR:H	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,404)	1:118:A:LEU:HD13	1:132:A:TYR:H	5	0.5
(3,338)	1:57:A:GLN:H	1:58:A:THR:HB	1	0.5
(3,307)	1:33:A:HIS:H	1:43:A:VAL:HB	14	0.5
(3,275)	1:11:A:LEU:HA	1:13:A:ALA:H	6	0.5
(3,257)	1:59:A:ILE:HG21	1:65:A:ILE:H	14	0.5
(3,257)	1:59:A:ILE:HG22	1:65:A:ILE:H	14	0.5
(3,257)	1:59:A:ILE:HG23	1:65:A:ILE:H	14	0.5
(3,211)	1:121:A:VAL:HG21	1:123:A:ASP:H	10	0.5
(3,211)	1:121:A:VAL:HG22	1:123:A:ASP:H	10	0.5
(3,211)	1:121:A:VAL:HG23	1:123:A:ASP:H	10	0.5
(3,135)	1:116:A:LEU:HG	1:118:A:LEU:H	16	0.5
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE1	8	0.5
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE2	8	0.5
(3,74)	1:5:A:THR:HG21	1:40:A:LEU:H	18	0.5
(3,74)	1:5:A:THR:HG22	1:40:A:LEU:H	18	0.5
(3,74)	1:5:A:THR:HG23	1:40:A:LEU:H	18	0.5
(3,37)	1:105:A:VAL:H	1:129:A:VAL:HB	11	0.5
(3,23)	1:122:A:GLU:HB2	1:129:A:VAL:H	18	0.5
(4,22)	1:5:A:THR:H	1:8:A:ASP:OD2	7	0.49
(4,15)	1:109:A:PHE:N	1:132:A:TYR:O	3	0.49
(4,14)	1:109:A:PHE:O	1:134:A:THR:H	9	0.49
(3,2058)	1:91:A:LEU:HD21	1:120:A:GLU:HB2	18	0.49
(3,2058)	1:91:A:LEU:HD21	1:120:A:GLU:HB3	18	0.49
(3,2058)	1:91:A:LEU:HD22	1:120:A:GLU:HB2	18	0.49
(3,2058)	1:91:A:LEU:HD22	1:120:A:GLU:HB3	18	0.49
(3,2058)	1:91:A:LEU:HD23	1:120:A:GLU:HB2	18	0.49
(3,2058)	1:91:A:LEU:HD23	1:120:A:GLU:HB3	18	0.49
(3,1963)	1:62:A:ARG:HG2	1:63:A:PHE:H	17	0.49
(3,1963)	1:62:A:ARG:HG3	1:63:A:PHE:H	17	0.49
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	16	0.49
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE22	16	0.49
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	16	0.49
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE22	16	0.49
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	16	0.49
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE22	16	0.49
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE21	6	0.49
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE22	6	0.49
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE21	6	0.49
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE22	6	0.49
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE21	6	0.49
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE22	6	0.49
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB2	17	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB3	17	0.49
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB2	17	0.49
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB3	17	0.49
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB2	17	0.49
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB3	17	0.49
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD2	19	0.49
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD3	19	0.49
(3,1770)	1:16:A:LEU:HD21	1:17:A:ASP:HB2	3	0.49
(3,1770)	1:16:A:LEU:HD21	1:17:A:ASP:HB3	3	0.49
(3,1770)	1:16:A:LEU:HD22	1:17:A:ASP:HB2	3	0.49
(3,1770)	1:16:A:LEU:HD22	1:17:A:ASP:HB3	3	0.49
(3,1770)	1:16:A:LEU:HD23	1:17:A:ASP:HB2	3	0.49
(3,1770)	1:16:A:LEU:HD23	1:17:A:ASP:HB3	3	0.49
(3,1715)	1:7:A:GLY:HA2	1:12:A:GLY:H	15	0.49
(3,1715)	1:7:A:GLY:HA3	1:12:A:GLY:H	15	0.49
(3,1671)	1:107:A:VAL:HB	1:129:A:VAL:HG11	15	0.49
(3,1671)	1:107:A:VAL:HB	1:129:A:VAL:HG12	15	0.49
(3,1671)	1:107:A:VAL:HB	1:129:A:VAL:HG13	15	0.49
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD11	2	0.49
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD12	2	0.49
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD13	2	0.49
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD11	2	0.49
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD12	2	0.49
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD13	2	0.49
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD11	2	0.49
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD12	2	0.49
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD13	2	0.49
(3,1556)	1:67:A:LEU:HD11	1:135:A:THR:HG21	2	0.49
(3,1556)	1:67:A:LEU:HD11	1:135:A:THR:HG22	2	0.49
(3,1556)	1:67:A:LEU:HD11	1:135:A:THR:HG23	2	0.49
(3,1556)	1:67:A:LEU:HD12	1:135:A:THR:HG21	2	0.49
(3,1556)	1:67:A:LEU:HD12	1:135:A:THR:HG22	2	0.49
(3,1556)	1:67:A:LEU:HD12	1:135:A:THR:HG23	2	0.49
(3,1556)	1:67:A:LEU:HD13	1:135:A:THR:HG21	2	0.49
(3,1556)	1:67:A:LEU:HD13	1:135:A:THR:HG22	2	0.49
(3,1556)	1:67:A:LEU:HD13	1:135:A:THR:HG23	2	0.49
(3,1493)	1:107:A:VAL:HG11	1:118:A:LEU:HG	8	0.49
(3,1493)	1:107:A:VAL:HG12	1:118:A:LEU:HG	8	0.49
(3,1493)	1:107:A:VAL:HG13	1:118:A:LEU:HG	8	0.49
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD11	8	0.49
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD12	8	0.49
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD13	8	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1438)	1:109:A:PHE:HD1	1:131:A:PRO:HA	12	0.49
(3,1438)	1:109:A:PHE:HD2	1:131:A:PRO:HA	12	0.49
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG11	6	0.49
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG12	6	0.49
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG13	6	0.49
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG11	6	0.49
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG12	6	0.49
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG13	6	0.49
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG11	6	0.49
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG12	6	0.49
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG13	6	0.49
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG21	19	0.49
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG22	19	0.49
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG23	19	0.49
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG21	19	0.49
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG22	19	0.49
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG23	19	0.49
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG21	19	0.49
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG22	19	0.49
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG23	19	0.49
(3,1426)	1:82:A:LEU:HD21	1:125:A:THR:HG21	16	0.49
(3,1426)	1:82:A:LEU:HD21	1:125:A:THR:HG22	16	0.49
(3,1426)	1:82:A:LEU:HD21	1:125:A:THR:HG23	16	0.49
(3,1426)	1:82:A:LEU:HD22	1:125:A:THR:HG21	16	0.49
(3,1426)	1:82:A:LEU:HD22	1:125:A:THR:HG22	16	0.49
(3,1426)	1:82:A:LEU:HD22	1:125:A:THR:HG23	16	0.49
(3,1426)	1:82:A:LEU:HD23	1:125:A:THR:HG21	16	0.49
(3,1426)	1:82:A:LEU:HD23	1:125:A:THR:HG22	16	0.49
(3,1426)	1:82:A:LEU:HD23	1:125:A:THR:HG23	16	0.49
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG21	16	0.49
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG22	16	0.49
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG23	16	0.49
(3,1391)	1:106:A:ARG:HA	1:130:A:GLU:HG2	6	0.49
(3,1391)	1:106:A:ARG:HA	1:130:A:GLU:HG3	6	0.49
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG21	5	0.49
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG22	5	0.49
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG23	5	0.49
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG21	5	0.49
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG22	5	0.49
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG23	5	0.49
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG21	5	0.49
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG22	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG23	5	0.49
(3,1252)	1:150:A:LEU:HD11	1:153:A:PRO:HD2	11	0.49
(3,1252)	1:150:A:LEU:HD12	1:153:A:PRO:HD2	11	0.49
(3,1252)	1:150:A:LEU:HD13	1:153:A:PRO:HD2	11	0.49
(3,1252)	1:150:A:LEU:HD11	1:153:A:PRO:HD3	11	0.49
(3,1252)	1:150:A:LEU:HD12	1:153:A:PRO:HD3	11	0.49
(3,1252)	1:150:A:LEU:HD13	1:153:A:PRO:HD3	11	0.49
(3,1252)	1:150:A:LEU:HD11	1:153:A:PRO:HD2	16	0.49
(3,1252)	1:150:A:LEU:HD12	1:153:A:PRO:HD2	16	0.49
(3,1252)	1:150:A:LEU:HD13	1:153:A:PRO:HD2	16	0.49
(3,1252)	1:150:A:LEU:HD11	1:153:A:PRO:HD3	16	0.49
(3,1252)	1:150:A:LEU:HD12	1:153:A:PRO:HD3	16	0.49
(3,1252)	1:150:A:LEU:HD13	1:153:A:PRO:HD3	16	0.49
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD11	20	0.49
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD12	20	0.49
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD13	20	0.49
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG2	3	0.49
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG3	3	0.49
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG2	3	0.49
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG3	3	0.49
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG2	3	0.49
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG3	3	0.49
(3,1151)	1:116:A:LEU:HG	1:117:A:SER:H	16	0.49
(3,1151)	1:116:A:LEU:HG	1:117:A:SER:H	19	0.49
(3,967)	1:16:A:LEU:HD11	1:17:A:ASP:H	3	0.49
(3,967)	1:16:A:LEU:HD12	1:17:A:ASP:H	3	0.49
(3,967)	1:16:A:LEU:HD13	1:17:A:ASP:H	3	0.49
(3,848)	1:92:A:LYS:H	1:139:A:PHE:HE1	7	0.49
(3,848)	1:92:A:LYS:H	1:139:A:PHE:HE2	7	0.49
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD21	17	0.49
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD22	17	0.49
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD23	17	0.49
(3,647)	1:126:A:GLY:H	1:127:A:LEU:HG	3	0.49
(3,647)	1:126:A:GLY:H	1:127:A:LEU:HG	6	0.49
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD21	11	0.49
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD22	11	0.49
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD23	11	0.49
(3,425)	1:132:A:TYR:HE1	1:133:A:GLN:H	3	0.49
(3,425)	1:132:A:TYR:HE2	1:133:A:GLN:H	3	0.49
(3,404)	1:118:A:LEU:HD11	1:132:A:TYR:H	12	0.49
(3,404)	1:118:A:LEU:HD12	1:132:A:TYR:H	12	0.49
(3,404)	1:118:A:LEU:HD13	1:132:A:TYR:H	12	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,21)	1:5:A:THR:N	1:8:A:ASP:OD2	7	0.48
(3,2162)	1:122:A:GLU:HG2	1:129:A:VAL:H	3	0.48
(3,2162)	1:122:A:GLU:HG3	1:129:A:VAL:H	3	0.48
(3,2097)	1:105:A:VAL:H	1:127:A:LEU:HB2	16	0.48
(3,2097)	1:105:A:VAL:H	1:127:A:LEU:HB3	16	0.48
(3,1681)	1:140:A:LEU:HD11	1:141:A:TYR:HA	19	0.48
(3,1681)	1:140:A:LEU:HD12	1:141:A:TYR:HA	19	0.48
(3,1681)	1:140:A:LEU:HD13	1:141:A:TYR:HA	19	0.48
(3,1672)	1:105:A:VAL:HG21	1:129:A:VAL:HG11	11	0.48
(3,1672)	1:105:A:VAL:HG21	1:129:A:VAL:HG12	11	0.48
(3,1672)	1:105:A:VAL:HG21	1:129:A:VAL:HG13	11	0.48
(3,1672)	1:105:A:VAL:HG22	1:129:A:VAL:HG11	11	0.48
(3,1672)	1:105:A:VAL:HG22	1:129:A:VAL:HG12	11	0.48
(3,1672)	1:105:A:VAL:HG22	1:129:A:VAL:HG13	11	0.48
(3,1672)	1:105:A:VAL:HG23	1:129:A:VAL:HG11	11	0.48
(3,1672)	1:105:A:VAL:HG23	1:129:A:VAL:HG12	11	0.48
(3,1672)	1:105:A:VAL:HG23	1:129:A:VAL:HG13	11	0.48
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG21	17	0.48
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG22	17	0.48
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG23	17	0.48
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG21	17	0.48
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG22	17	0.48
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG23	17	0.48
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG21	17	0.48
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG22	17	0.48
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG23	17	0.48
(3,1611)	1:104:A:VAL:HG11	1:128:A:VAL:HB	16	0.48
(3,1611)	1:104:A:VAL:HG12	1:128:A:VAL:HB	16	0.48
(3,1611)	1:104:A:VAL:HG13	1:128:A:VAL:HB	16	0.48
(3,1611)	1:104:A:VAL:HG21	1:128:A:VAL:HB	16	0.48
(3,1611)	1:104:A:VAL:HG22	1:128:A:VAL:HB	16	0.48
(3,1611)	1:104:A:VAL:HG23	1:128:A:VAL:HB	16	0.48
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD11	14	0.48
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD12	14	0.48
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD13	14	0.48
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD11	14	0.48
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD12	14	0.48
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD13	14	0.48
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD11	14	0.48
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD12	14	0.48
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD13	14	0.48
(3,1567)	1:70:A:LEU:HD11	1:134:A:THR:HB	16	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1567)	1:70:A:LEU:HD12	1:134:A:THR:HB	16	0.48
(3,1567)	1:70:A:LEU:HD13	1:134:A:THR:HB	16	0.48
(3,1493)	1:107:A:VAL:HG11	1:118:A:LEU:HG	2	0.48
(3,1493)	1:107:A:VAL:HG12	1:118:A:LEU:HG	2	0.48
(3,1493)	1:107:A:VAL:HG13	1:118:A:LEU:HG	2	0.48
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD21	7	0.48
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD22	7	0.48
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD23	7	0.48
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD11	5	0.48
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD12	5	0.48
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD13	5	0.48
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG11	20	0.48
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG12	20	0.48
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG13	20	0.48
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG11	20	0.48
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG12	20	0.48
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG13	20	0.48
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG11	20	0.48
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG12	20	0.48
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG13	20	0.48
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB1	20	0.48
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB2	20	0.48
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB3	20	0.48
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB1	20	0.48
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB2	20	0.48
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB3	20	0.48
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB1	20	0.48
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB2	20	0.48
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB3	20	0.48
(3,1367)	1:75:A:ILE:HD11	1:96:A:PHE:HA	8	0.48
(3,1367)	1:75:A:ILE:HD12	1:96:A:PHE:HA	8	0.48
(3,1367)	1:75:A:ILE:HD13	1:96:A:PHE:HA	8	0.48
(3,1337)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	6	0.48
(3,1337)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	6	0.48
(3,1337)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	6	0.48
(3,1308)	1:20:A:LEU:HD21	1:58:A:THR:HA	12	0.48
(3,1308)	1:20:A:LEU:HD22	1:58:A:THR:HA	12	0.48
(3,1308)	1:20:A:LEU:HD23	1:58:A:THR:HA	12	0.48
(3,1282)	1:4:A:LEU:HB2	1:5:A:THR:HB	1	0.48
(3,1282)	1:4:A:LEU:HB3	1:5:A:THR:HB	1	0.48
(3,1282)	1:4:A:LEU:HB2	1:5:A:THR:HB	13	0.48
(3,1282)	1:4:A:LEU:HB3	1:5:A:THR:HB	13	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG21	18	0.48
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG22	18	0.48
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG23	18	0.48
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG21	18	0.48
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG22	18	0.48
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG23	18	0.48
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD11	11	0.48
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD12	11	0.48
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD13	11	0.48
(3,891)	1:121:A:VAL:H	1:123:A:ASP:H	1	0.48
(3,872)	1:95:A:PRO:HA	1:107:A:VAL:H	11	0.48
(3,850)	1:92:A:LYS:HG2	1:93:A:ALA:H	4	0.48
(3,850)	1:92:A:LYS:HG3	1:93:A:ALA:H	4	0.48
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB2	1	0.48
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB3	1	0.48
(3,763)	1:32:A:ARG:H	1:35:A:GLU:H	14	0.48
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD21	5	0.48
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD22	5	0.48
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD23	5	0.48
(3,596)	1:83:A:LEU:HD11	1:89:A:LYS:H	6	0.48
(3,596)	1:83:A:LEU:HD12	1:89:A:LYS:H	6	0.48
(3,596)	1:83:A:LEU:HD13	1:89:A:LYS:H	6	0.48
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG12	7	0.48
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG13	7	0.48
(3,469)	1:83:A:LEU:HD11	1:87:A:LYS:H	3	0.48
(3,469)	1:83:A:LEU:HD12	1:87:A:LYS:H	3	0.48
(3,469)	1:83:A:LEU:HD13	1:87:A:LYS:H	3	0.48
(3,425)	1:132:A:TYR:HE1	1:133:A:GLN:H	4	0.48
(3,425)	1:132:A:TYR:HE2	1:133:A:GLN:H	4	0.48
(3,404)	1:118:A:LEU:HD11	1:132:A:TYR:H	8	0.48
(3,404)	1:118:A:LEU:HD12	1:132:A:TYR:H	8	0.48
(3,404)	1:118:A:LEU:HD13	1:132:A:TYR:H	8	0.48
(3,371)	1:23:A:ASP:HB2	1:24:A:GLU:H	1	0.48
(3,371)	1:23:A:ASP:HB3	1:24:A:GLU:H	1	0.48
(3,368)	1:45:A:VAL:HG21	1:49:A:LEU:H	5	0.48
(3,368)	1:45:A:VAL:HG22	1:49:A:LEU:H	5	0.48
(3,368)	1:45:A:VAL:HG23	1:49:A:LEU:H	5	0.48
(3,368)	1:45:A:VAL:HG21	1:49:A:LEU:H	6	0.48
(3,368)	1:45:A:VAL:HG22	1:49:A:LEU:H	6	0.48
(3,368)	1:45:A:VAL:HG23	1:49:A:LEU:H	6	0.48
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD21	11	0.48
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD22	11	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD23	11	0.48
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD11	15	0.48
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD12	15	0.48
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD13	15	0.48
(3,33)	1:99:A:ASP:H	1:105:A:VAL:HB	4	0.48
(4,13)	1:109:A:PHE:O	1:134:A:THR:N	18	0.47
(4,2)	1:103:A:GLY:O	1:128:A:VAL:H	9	0.47
(4,1)	1:103:A:GLY:O	1:128:A:VAL:N	9	0.47
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB2	8	0.47
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB3	8	0.47
(3,1862)	1:41:A:ALA:H	1:111:A:ASN:HD21	6	0.47
(3,1862)	1:41:A:ALA:H	1:111:A:ASN:HD22	6	0.47
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB2	2	0.47
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB3	2	0.47
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB2	2	0.47
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB3	2	0.47
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB2	2	0.47
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB3	2	0.47
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB2	13	0.47
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB3	13	0.47
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB2	13	0.47
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB3	13	0.47
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB2	13	0.47
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB3	13	0.47
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG21	3	0.47
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG22	3	0.47
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG23	3	0.47
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG21	3	0.47
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG22	3	0.47
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG23	3	0.47
(3,1611)	1:104:A:VAL:HG11	1:128:A:VAL:HB	5	0.47
(3,1611)	1:104:A:VAL:HG12	1:128:A:VAL:HB	5	0.47
(3,1611)	1:104:A:VAL:HG13	1:128:A:VAL:HB	5	0.47
(3,1611)	1:104:A:VAL:HG21	1:128:A:VAL:HB	5	0.47
(3,1611)	1:104:A:VAL:HG22	1:128:A:VAL:HB	5	0.47
(3,1611)	1:104:A:VAL:HG23	1:128:A:VAL:HB	5	0.47
(3,1611)	1:104:A:VAL:HG11	1:128:A:VAL:HB	10	0.47
(3,1611)	1:104:A:VAL:HG12	1:128:A:VAL:HB	10	0.47
(3,1611)	1:104:A:VAL:HG13	1:128:A:VAL:HB	10	0.47
(3,1611)	1:104:A:VAL:HG21	1:128:A:VAL:HB	10	0.47
(3,1611)	1:104:A:VAL:HG22	1:128:A:VAL:HB	10	0.47
(3,1611)	1:104:A:VAL:HG23	1:128:A:VAL:HB	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG11	19	0.47
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG12	19	0.47
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG13	19	0.47
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG11	19	0.47
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG12	19	0.47
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG13	19	0.47
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG11	19	0.47
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG12	19	0.47
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG13	19	0.47
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB1	10	0.47
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB2	10	0.47
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB3	10	0.47
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB1	10	0.47
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB2	10	0.47
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB3	10	0.47
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB1	10	0.47
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB2	10	0.47
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB3	10	0.47
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB1	17	0.47
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB2	17	0.47
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB3	17	0.47
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB1	17	0.47
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB2	17	0.47
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB3	17	0.47
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB1	17	0.47
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB2	17	0.47
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB3	17	0.47
(3,1404)	1:94:A:ILE:HB	1:108:A:ALA:HB1	8	0.47
(3,1404)	1:94:A:ILE:HB	1:108:A:ALA:HB2	8	0.47
(3,1404)	1:94:A:ILE:HB	1:108:A:ALA:HB3	8	0.47
(3,1282)	1:4:A:LEU:HB2	1:5:A:THR:HB	16	0.47
(3,1282)	1:4:A:LEU:HB3	1:5:A:THR:HB	16	0.47
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG2	13	0.47
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG3	13	0.47
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG2	13	0.47
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG3	13	0.47
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG2	13	0.47
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG3	13	0.47
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG21	20	0.47
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG22	20	0.47
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG23	20	0.47
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG21	20	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG22	20	0.47
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG23	20	0.47
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG21	20	0.47
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG22	20	0.47
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG23	20	0.47
(3,912)	1:56:A:ALA:HA	1:133:A:GLN:HE21	17	0.47
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD11	1	0.47
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD12	1	0.47
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD13	1	0.47
(3,763)	1:32:A:ARG:H	1:35:A:GLU:H	9	0.47
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD21	6	0.47
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD22	6	0.47
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD23	6	0.47
(3,710)	1:7:A:GLY:H	1:115:A:THR:HB	8	0.47
(3,700)	1:124:A:LEU:HD11	1:125:A:THR:H	20	0.47
(3,700)	1:124:A:LEU:HD12	1:125:A:THR:H	20	0.47
(3,700)	1:124:A:LEU:HD13	1:125:A:THR:H	20	0.47
(3,684)	1:48:A:GLY:H	1:49:A:LEU:HG	16	0.47
(3,660)	1:32:A:ARG:HA	1:36:A:VAL:H	19	0.47
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD21	17	0.47
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD22	17	0.47
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD23	17	0.47
(3,425)	1:132:A:TYR:HE1	1:133:A:GLN:H	1	0.47
(3,425)	1:132:A:TYR:HE2	1:133:A:GLN:H	1	0.47
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG11	1	0.47
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG12	1	0.47
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG13	1	0.47
(3,275)	1:11:A:LEU:HA	1:13:A:ALA:H	4	0.47
(3,275)	1:11:A:LEU:HA	1:13:A:ALA:H	15	0.47
(3,257)	1:59:A:ILE:HG21	1:65:A:ILE:H	10	0.47
(3,257)	1:59:A:ILE:HG22	1:65:A:ILE:H	10	0.47
(3,257)	1:59:A:ILE:HG23	1:65:A:ILE:H	10	0.47
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG11	10	0.47
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG12	10	0.47
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG13	10	0.47
(4,22)	1:5:A:THR:H	1:8:A:ASP:OD2	14	0.46
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB2	8	0.46
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB3	8	0.46
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB2	8	0.46
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB3	8	0.46
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB2	8	0.46
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB3	8	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB2	16	0.46
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB3	16	0.46
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB2	16	0.46
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB3	16	0.46
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB2	16	0.46
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB3	16	0.46
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD21	1	0.46
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD22	1	0.46
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD23	1	0.46
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD21	1	0.46
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD22	1	0.46
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD23	1	0.46
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD21	5	0.46
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD22	5	0.46
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD23	5	0.46
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD21	5	0.46
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD22	5	0.46
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD23	5	0.46
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB2	15	0.46
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB3	15	0.46
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB2	20	0.46
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB3	20	0.46
(3,1681)	1:140:A:LEU:HD11	1:141:A:TYR:HA	13	0.46
(3,1681)	1:140:A:LEU:HD12	1:141:A:TYR:HA	13	0.46
(3,1681)	1:140:A:LEU:HD13	1:141:A:TYR:HA	13	0.46
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG21	20	0.46
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG22	20	0.46
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG23	20	0.46
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD21	4	0.46
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD22	4	0.46
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD23	4	0.46
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD21	4	0.46
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD22	4	0.46
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD23	4	0.46
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD11	11	0.46
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD12	11	0.46
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD13	11	0.46
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG21	10	0.46
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG22	10	0.46
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG23	10	0.46
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG21	10	0.46
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG22	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG23	10	0.46
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG21	10	0.46
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG22	10	0.46
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG23	10	0.46
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE1	15	0.46
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE2	15	0.46
(3,1337)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	8	0.46
(3,1337)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	8	0.46
(3,1337)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	8	0.46
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG21	13	0.46
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG22	13	0.46
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG23	13	0.46
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG21	13	0.46
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG22	13	0.46
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG23	13	0.46
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG21	13	0.46
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG22	13	0.46
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG23	13	0.46
(3,1310)	1:55:A:ILE:HG21	1:58:A:THR:HB	16	0.46
(3,1310)	1:55:A:ILE:HG22	1:58:A:THR:HB	16	0.46
(3,1310)	1:55:A:ILE:HG23	1:58:A:THR:HB	16	0.46
(3,1293)	1:43:A:VAL:HG21	1:44:A:LEU:HA	14	0.46
(3,1293)	1:43:A:VAL:HG22	1:44:A:LEU:HA	14	0.46
(3,1293)	1:43:A:VAL:HG23	1:44:A:LEU:HA	14	0.46
(3,1252)	1:150:A:LEU:HD11	1:153:A:PRO:HD2	6	0.46
(3,1252)	1:150:A:LEU:HD12	1:153:A:PRO:HD2	6	0.46
(3,1252)	1:150:A:LEU:HD13	1:153:A:PRO:HD2	6	0.46
(3,1252)	1:150:A:LEU:HD11	1:153:A:PRO:HD3	6	0.46
(3,1252)	1:150:A:LEU:HD12	1:153:A:PRO:HD3	6	0.46
(3,1252)	1:150:A:LEU:HD13	1:153:A:PRO:HD3	6	0.46
(3,1213)	1:94:A:ILE:HD11	1:139:A:PHE:HA	17	0.46
(3,1213)	1:94:A:ILE:HD12	1:139:A:PHE:HA	17	0.46
(3,1213)	1:94:A:ILE:HD13	1:139:A:PHE:HA	17	0.46
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD11	11	0.46
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD12	11	0.46
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD13	11	0.46
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD11	11	0.46
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD12	11	0.46
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD13	11	0.46
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD11	11	0.46
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD12	11	0.46
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD13	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,989)	1:4:A:LEU:H	1:9:A:LYS:HE2	13	0.46
(3,989)	1:4:A:LEU:H	1:9:A:LYS:HE3	13	0.46
(3,936)	1:11:A:LEU:H	1:13:A:ALA:H	15	0.46
(3,897)	1:105:A:VAL:HG21	1:125:A:THR:H	20	0.46
(3,897)	1:105:A:VAL:HG22	1:125:A:THR:H	20	0.46
(3,897)	1:105:A:VAL:HG23	1:125:A:THR:H	20	0.46
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG21	16	0.46
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG22	16	0.46
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG23	16	0.46
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB2	15	0.46
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB3	15	0.46
(3,684)	1:48:A:GLY:H	1:49:A:LEU:HG	6	0.46
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD21	14	0.46
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD22	14	0.46
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD23	14	0.46
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD11	6	0.46
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD12	6	0.46
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD13	6	0.46
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD11	8	0.46
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD12	8	0.46
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD13	8	0.46
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD11	10	0.46
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD12	10	0.46
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD13	10	0.46
(3,457)	1:26:A:LEU:HD21	1:27:A:GLN:H	12	0.46
(3,457)	1:26:A:LEU:HD22	1:27:A:GLN:H	12	0.46
(3,457)	1:26:A:LEU:HD23	1:27:A:GLN:H	12	0.46
(3,361)	1:140:A:LEU:HD11	1:141:A:TYR:H	1	0.46
(3,361)	1:140:A:LEU:HD12	1:141:A:TYR:H	1	0.46
(3,361)	1:140:A:LEU:HD13	1:141:A:TYR:H	1	0.46
(3,361)	1:140:A:LEU:HD11	1:141:A:TYR:H	13	0.46
(3,361)	1:140:A:LEU:HD12	1:141:A:TYR:H	13	0.46
(3,361)	1:140:A:LEU:HD13	1:141:A:TYR:H	13	0.46
(3,275)	1:11:A:LEU:HA	1:13:A:ALA:H	10	0.46
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG21	12	0.46
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG22	12	0.46
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG23	12	0.46
(3,257)	1:59:A:ILE:HG21	1:65:A:ILE:H	4	0.46
(3,257)	1:59:A:ILE:HG22	1:65:A:ILE:H	4	0.46
(3,257)	1:59:A:ILE:HG23	1:65:A:ILE:H	4	0.46
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG21	1	0.46
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG22	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG23	1	0.46
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG21	6	0.46
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG22	6	0.46
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG23	6	0.46
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD21	16	0.46
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD22	16	0.46
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD23	16	0.46
(3,160)	1:97:A:ALA:H	1:105:A:VAL:HB	13	0.46
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD2	4	0.46
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD3	4	0.46
(3,22)	1:122:A:GLU:HA	1:129:A:VAL:H	13	0.46
(4,15)	1:109:A:PHE:N	1:132:A:TYR:O	19	0.45
(4,13)	1:109:A:PHE:O	1:134:A:THR:N	5	0.45
(4,13)	1:109:A:PHE:O	1:134:A:THR:N	8	0.45
(3,2162)	1:122:A:GLU:HG2	1:129:A:VAL:H	13	0.45
(3,2162)	1:122:A:GLU:HG3	1:129:A:VAL:H	13	0.45
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB2	13	0.45
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB3	13	0.45
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB2	13	0.45
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB3	13	0.45
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB2	13	0.45
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB3	13	0.45
(3,1940)	1:59:A:ILE:H	1:133:A:GLN:HE21	13	0.45
(3,1940)	1:59:A:ILE:H	1:133:A:GLN:HE22	13	0.45
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB2	1	0.45
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB3	1	0.45
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB2	16	0.45
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB3	16	0.45
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB2	16	0.45
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB3	16	0.45
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB2	16	0.45
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB3	16	0.45
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB2	20	0.45
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB3	20	0.45
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB2	20	0.45
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB3	20	0.45
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB2	20	0.45
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB3	20	0.45
(3,1784)	1:21:A:LEU:HB2	1:25:A:GLU:H	5	0.45
(3,1784)	1:21:A:LEU:HB3	1:25:A:GLU:H	5	0.45
(3,1672)	1:105:A:VAL:HG21	1:129:A:VAL:HG11	15	0.45
(3,1672)	1:105:A:VAL:HG21	1:129:A:VAL:HG12	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1672)	1:105:A:VAL:HG21	1:129:A:VAL:HG13	15	0.45
(3,1672)	1:105:A:VAL:HG22	1:129:A:VAL:HG11	15	0.45
(3,1672)	1:105:A:VAL:HG22	1:129:A:VAL:HG12	15	0.45
(3,1672)	1:105:A:VAL:HG22	1:129:A:VAL:HG13	15	0.45
(3,1672)	1:105:A:VAL:HG23	1:129:A:VAL:HG11	15	0.45
(3,1672)	1:105:A:VAL:HG23	1:129:A:VAL:HG12	15	0.45
(3,1672)	1:105:A:VAL:HG23	1:129:A:VAL:HG13	15	0.45
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE1	3	0.45
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE2	3	0.45
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE1	3	0.45
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE2	3	0.45
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE1	3	0.45
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE2	3	0.45
(3,1611)	1:104:A:VAL:HG11	1:128:A:VAL:HB	9	0.45
(3,1611)	1:104:A:VAL:HG12	1:128:A:VAL:HB	9	0.45
(3,1611)	1:104:A:VAL:HG13	1:128:A:VAL:HB	9	0.45
(3,1611)	1:104:A:VAL:HG21	1:128:A:VAL:HB	9	0.45
(3,1611)	1:104:A:VAL:HG22	1:128:A:VAL:HB	9	0.45
(3,1611)	1:104:A:VAL:HG23	1:128:A:VAL:HB	9	0.45
(3,1533)	1:29:A:ALA:HB1	1:44:A:LEU:HD11	20	0.45
(3,1533)	1:29:A:ALA:HB1	1:44:A:LEU:HD12	20	0.45
(3,1533)	1:29:A:ALA:HB1	1:44:A:LEU:HD13	20	0.45
(3,1533)	1:29:A:ALA:HB2	1:44:A:LEU:HD11	20	0.45
(3,1533)	1:29:A:ALA:HB2	1:44:A:LEU:HD12	20	0.45
(3,1533)	1:29:A:ALA:HB2	1:44:A:LEU:HD13	20	0.45
(3,1533)	1:29:A:ALA:HB3	1:44:A:LEU:HD11	20	0.45
(3,1533)	1:29:A:ALA:HB3	1:44:A:LEU:HD12	20	0.45
(3,1533)	1:29:A:ALA:HB3	1:44:A:LEU:HD13	20	0.45
(3,1493)	1:107:A:VAL:HG11	1:118:A:LEU:HG	1	0.45
(3,1493)	1:107:A:VAL:HG12	1:118:A:LEU:HG	1	0.45
(3,1493)	1:107:A:VAL:HG13	1:118:A:LEU:HG	1	0.45
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA2	4	0.45
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA3	4	0.45
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA2	4	0.45
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA3	4	0.45
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA2	4	0.45
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA3	4	0.45
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG21	8	0.45
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG22	8	0.45
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG23	8	0.45
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG21	18	0.45
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG22	18	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG23	18	0.45
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG21	18	0.45
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG22	18	0.45
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG23	18	0.45
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG21	18	0.45
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG22	18	0.45
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG23	18	0.45
(3,1337)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	7	0.45
(3,1337)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	7	0.45
(3,1337)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	7	0.45
(3,1310)	1:55:A:ILE:HG21	1:58:A:THR:HB	13	0.45
(3,1310)	1:55:A:ILE:HG22	1:58:A:THR:HB	13	0.45
(3,1310)	1:55:A:ILE:HG23	1:58:A:THR:HB	13	0.45
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG21	2	0.45
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG22	2	0.45
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG23	2	0.45
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG21	2	0.45
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG22	2	0.45
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG23	2	0.45
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG21	2	0.45
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG22	2	0.45
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG23	2	0.45
(3,1293)	1:43:A:VAL:HG21	1:44:A:LEU:HA	18	0.45
(3,1293)	1:43:A:VAL:HG22	1:44:A:LEU:HA	18	0.45
(3,1293)	1:43:A:VAL:HG23	1:44:A:LEU:HA	18	0.45
(3,1282)	1:4:A:LEU:HB2	1:5:A:THR:HB	7	0.45
(3,1282)	1:4:A:LEU:HB3	1:5:A:THR:HB	7	0.45
(3,1282)	1:4:A:LEU:HB2	1:5:A:THR:HB	10	0.45
(3,1282)	1:4:A:LEU:HB3	1:5:A:THR:HB	10	0.45
(3,1282)	1:4:A:LEU:HB2	1:5:A:THR:HB	11	0.45
(3,1282)	1:4:A:LEU:HB3	1:5:A:THR:HB	11	0.45
(3,978)	1:32:A:ARG:H	1:34:A:ARG:HB2	1	0.45
(3,978)	1:32:A:ARG:H	1:34:A:ARG:HB3	1	0.45
(3,978)	1:32:A:ARG:H	1:34:A:ARG:HB2	10	0.45
(3,978)	1:32:A:ARG:H	1:34:A:ARG:HB3	10	0.45
(3,936)	1:11:A:LEU:H	1:13:A:ALA:H	2	0.45
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG21	5	0.45
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG22	5	0.45
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG23	5	0.45
(3,765)	1:29:A:ALA:HA	1:33:A:HIS:H	8	0.45
(3,681)	1:48:A:GLY:H	1:50:A:LEU:H	20	0.45
(3,673)	1:59:A:ILE:HG21	1:133:A:GLN:HE22	9	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,673)	1:59:A:ILE:HG22	1:133:A:GLN:HE22	9	0.45
(3,673)	1:59:A:ILE:HG23	1:133:A:GLN:HE22	9	0.45
(3,577)	1:44:A:LEU:HB2	1:50:A:LEU:H	6	0.45
(3,497)	1:143:A:LEU:HA	1:147:A:TYR:H	10	0.45
(3,451)	1:15:A:LEU:H	1:15:A:LEU:HD21	17	0.45
(3,451)	1:15:A:LEU:H	1:15:A:LEU:HD22	17	0.45
(3,451)	1:15:A:LEU:H	1:15:A:LEU:HD23	17	0.45
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD21	9	0.45
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD22	9	0.45
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD23	9	0.45
(3,425)	1:132:A:TYR:HE1	1:133:A:GLN:H	2	0.45
(3,425)	1:132:A:TYR:HE2	1:133:A:GLN:H	2	0.45
(3,404)	1:118:A:LEU:HD11	1:132:A:TYR:H	3	0.45
(3,404)	1:118:A:LEU:HD12	1:132:A:TYR:H	3	0.45
(3,404)	1:118:A:LEU:HD13	1:132:A:TYR:H	3	0.45
(3,361)	1:140:A:LEU:HD11	1:141:A:TYR:H	17	0.45
(3,361)	1:140:A:LEU:HD12	1:141:A:TYR:H	17	0.45
(3,361)	1:140:A:LEU:HD13	1:141:A:TYR:H	17	0.45
(3,275)	1:11:A:LEU:HA	1:13:A:ALA:H	16	0.45
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD21	11	0.45
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD22	11	0.45
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD23	11	0.45
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD21	19	0.45
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD22	19	0.45
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD23	19	0.45
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG21	14	0.45
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG22	14	0.45
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG23	14	0.45
(3,191)	1:56:A:ALA:H	1:59:A:ILE:HB	9	0.45
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD21	9	0.45
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD22	9	0.45
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD23	9	0.45
(3,105)	1:93:A:ALA:H	1:139:A:PHE:HE1	6	0.45
(3,105)	1:93:A:ALA:H	1:139:A:PHE:HE2	6	0.45
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE1	16	0.45
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE2	16	0.45
(4,15)	1:109:A:PHE:N	1:132:A:TYR:O	6	0.44
(3,2197)	1:140:A:LEU:HB2	1:144:A:ALA:H	13	0.44
(3,2197)	1:140:A:LEU:HB3	1:144:A:ALA:H	13	0.44
(3,2149)	1:120:A:GLU:HG2	1:123:A:ASP:HB2	12	0.44
(3,2149)	1:120:A:GLU:HG2	1:123:A:ASP:HB3	12	0.44
(3,2149)	1:120:A:GLU:HG3	1:123:A:ASP:HB2	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2149)	1:120:A:GLU:HG3	1:123:A:ASP:HB3	12	0.44
(3,2062)	1:92:A:LYS:HB2	1:110:A:LEU:H	14	0.44
(3,2062)	1:92:A:LYS:HB3	1:110:A:LEU:H	14	0.44
(3,2035)	1:85:A:ALA:HB1	1:147:A:TYR:HB2	18	0.44
(3,2035)	1:85:A:ALA:HB1	1:147:A:TYR:HB3	18	0.44
(3,2035)	1:85:A:ALA:HB2	1:147:A:TYR:HB2	18	0.44
(3,2035)	1:85:A:ALA:HB2	1:147:A:TYR:HB3	18	0.44
(3,2035)	1:85:A:ALA:HB3	1:147:A:TYR:HB2	18	0.44
(3,2035)	1:85:A:ALA:HB3	1:147:A:TYR:HB3	18	0.44
(3,2027)	1:84:A:PRO:HB2	1:87:A:LYS:H	20	0.44
(3,2027)	1:84:A:PRO:HB3	1:87:A:LYS:H	20	0.44
(3,2015)	1:80:A:LYS:HB2	1:81:A:ALA:H	13	0.44
(3,2015)	1:80:A:LYS:HB3	1:81:A:ALA:H	13	0.44
(3,2004)	1:75:A:ILE:HG12	1:79:A:VAL:HG11	2	0.44
(3,2004)	1:75:A:ILE:HG12	1:79:A:VAL:HG12	2	0.44
(3,2004)	1:75:A:ILE:HG12	1:79:A:VAL:HG13	2	0.44
(3,2004)	1:75:A:ILE:HG13	1:79:A:VAL:HG11	2	0.44
(3,2004)	1:75:A:ILE:HG13	1:79:A:VAL:HG12	2	0.44
(3,2004)	1:75:A:ILE:HG13	1:79:A:VAL:HG13	2	0.44
(3,1990)	1:70:A:LEU:HB2	1:134:A:THR:HA	4	0.44
(3,1990)	1:70:A:LEU:HB3	1:134:A:THR:HA	4	0.44
(3,1940)	1:59:A:ILE:H	1:133:A:GLN:HE21	2	0.44
(3,1940)	1:59:A:ILE:H	1:133:A:GLN:HE22	2	0.44
(3,1932)	1:57:A:GLN:HG2	1:58:A:THR:HA	10	0.44
(3,1932)	1:57:A:GLN:HG3	1:58:A:THR:HA	10	0.44
(3,1932)	1:57:A:GLN:HG2	1:58:A:THR:HA	15	0.44
(3,1932)	1:57:A:GLN:HG3	1:58:A:THR:HA	15	0.44
(3,1932)	1:57:A:GLN:HG2	1:58:A:THR:HA	20	0.44
(3,1932)	1:57:A:GLN:HG3	1:58:A:THR:HA	20	0.44
(3,1926)	1:57:A:GLN:H	1:57:A:GLN:HG2	8	0.44
(3,1926)	1:57:A:GLN:H	1:57:A:GLN:HG3	8	0.44
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB2	12	0.44
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB3	12	0.44
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB2	8	0.44
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB3	8	0.44
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB2	8	0.44
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB3	8	0.44
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB2	8	0.44
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB3	8	0.44
(3,1787)	1:21:A:LEU:HD21	1:25:A:GLU:HB2	15	0.44
(3,1787)	1:21:A:LEU:HD21	1:25:A:GLU:HB3	15	0.44
(3,1787)	1:21:A:LEU:HD22	1:25:A:GLU:HB2	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1787)	1:21:A:LEU:HD22	1:25:A:GLU:HB3	15	0.44
(3,1787)	1:21:A:LEU:HD23	1:25:A:GLU:HB2	15	0.44
(3,1787)	1:21:A:LEU:HD23	1:25:A:GLU:HB3	15	0.44
(3,1681)	1:140:A:LEU:HD11	1:141:A:TYR:HA	1	0.44
(3,1681)	1:140:A:LEU:HD12	1:141:A:TYR:HA	1	0.44
(3,1681)	1:140:A:LEU:HD13	1:141:A:TYR:HA	1	0.44
(3,1611)	1:104:A:VAL:HG11	1:128:A:VAL:HB	15	0.44
(3,1611)	1:104:A:VAL:HG12	1:128:A:VAL:HB	15	0.44
(3,1611)	1:104:A:VAL:HG13	1:128:A:VAL:HB	15	0.44
(3,1611)	1:104:A:VAL:HG21	1:128:A:VAL:HB	15	0.44
(3,1611)	1:104:A:VAL:HG22	1:128:A:VAL:HB	15	0.44
(3,1611)	1:104:A:VAL:HG23	1:128:A:VAL:HB	15	0.44
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD11	9	0.44
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD12	9	0.44
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD13	9	0.44
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD11	9	0.44
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD12	9	0.44
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD13	9	0.44
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD11	9	0.44
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD12	9	0.44
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD13	9	0.44
(3,1571)	1:70:A:LEU:HD21	1:139:A:PHE:HD1	13	0.44
(3,1571)	1:70:A:LEU:HD21	1:139:A:PHE:HD2	13	0.44
(3,1571)	1:70:A:LEU:HD22	1:139:A:PHE:HD1	13	0.44
(3,1571)	1:70:A:LEU:HD22	1:139:A:PHE:HD2	13	0.44
(3,1571)	1:70:A:LEU:HD23	1:139:A:PHE:HD1	13	0.44
(3,1571)	1:70:A:LEU:HD23	1:139:A:PHE:HD2	13	0.44
(3,1553)	1:20:A:LEU:H	1:50:A:LEU:HD11	20	0.44
(3,1553)	1:20:A:LEU:H	1:50:A:LEU:HD12	20	0.44
(3,1553)	1:20:A:LEU:H	1:50:A:LEU:HD13	20	0.44
(3,1493)	1:107:A:VAL:HG11	1:118:A:LEU:HG	4	0.44
(3,1493)	1:107:A:VAL:HG12	1:118:A:LEU:HG	4	0.44
(3,1493)	1:107:A:VAL:HG13	1:118:A:LEU:HG	4	0.44
(3,1391)	1:106:A:ARG:HA	1:130:A:GLU:HG2	14	0.44
(3,1391)	1:106:A:ARG:HA	1:130:A:GLU:HG3	14	0.44
(3,1337)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	15	0.44
(3,1337)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	15	0.44
(3,1337)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	15	0.44
(3,1324)	1:6:A:ILE:HG21	1:115:A:THR:HA	19	0.44
(3,1324)	1:6:A:ILE:HG22	1:115:A:THR:HA	19	0.44
(3,1324)	1:6:A:ILE:HG23	1:115:A:THR:HA	19	0.44
(3,1315)	1:59:A:ILE:HG21	1:65:A:ILE:HA	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1315)	1:59:A:ILE:HG22	1:65:A:ILE:HA	16	0.44
(3,1315)	1:59:A:ILE:HG23	1:65:A:ILE:HA	16	0.44
(3,1284)	1:31:A:GLU:HA	1:34:A:ARG:HD2	8	0.44
(3,1284)	1:31:A:GLU:HA	1:34:A:ARG:HD3	8	0.44
(3,1233)	1:120:A:GLU:HA	1:123:A:ASP:HB2	6	0.44
(3,1232)	1:120:A:GLU:HA	1:123:A:ASP:H	12	0.44
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG2	17	0.44
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG3	17	0.44
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG2	17	0.44
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG3	17	0.44
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG2	17	0.44
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG3	17	0.44
(3,1151)	1:116:A:LEU:HG	1:117:A:SER:H	14	0.44
(3,1116)	1:41:A:ALA:HB1	1:55:A:ILE:HG12	2	0.44
(3,1116)	1:41:A:ALA:HB1	1:55:A:ILE:HG13	2	0.44
(3,1116)	1:41:A:ALA:HB2	1:55:A:ILE:HG12	2	0.44
(3,1116)	1:41:A:ALA:HB2	1:55:A:ILE:HG13	2	0.44
(3,1116)	1:41:A:ALA:HB3	1:55:A:ILE:HG12	2	0.44
(3,1116)	1:41:A:ALA:HB3	1:55:A:ILE:HG13	2	0.44
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG21	17	0.44
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG22	17	0.44
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG23	17	0.44
(3,789)	1:45:A:VAL:H	1:48:A:GLY:H	6	0.44
(3,789)	1:45:A:VAL:H	1:48:A:GLY:H	17	0.44
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD21	19	0.44
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD22	19	0.44
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD23	19	0.44
(3,643)	1:33:A:HIS:HA	1:37:A:GLY:H	2	0.44
(3,537)	1:42:A:GLU:H	1:43:A:VAL:HG11	16	0.44
(3,537)	1:42:A:GLU:H	1:43:A:VAL:HG12	16	0.44
(3,537)	1:42:A:GLU:H	1:43:A:VAL:HG13	16	0.44
(3,404)	1:118:A:LEU:HD11	1:132:A:TYR:H	10	0.44
(3,404)	1:118:A:LEU:HD12	1:132:A:TYR:H	10	0.44
(3,404)	1:118:A:LEU:HD13	1:132:A:TYR:H	10	0.44
(3,361)	1:140:A:LEU:HD11	1:141:A:TYR:H	19	0.44
(3,361)	1:140:A:LEU:HD12	1:141:A:TYR:H	19	0.44
(3,361)	1:140:A:LEU:HD13	1:141:A:TYR:H	19	0.44
(3,275)	1:11:A:LEU:HA	1:13:A:ALA:H	14	0.44
(3,257)	1:59:A:ILE:HG21	1:65:A:ILE:H	1	0.44
(3,257)	1:59:A:ILE:HG22	1:65:A:ILE:H	1	0.44
(3,257)	1:59:A:ILE:HG23	1:65:A:ILE:H	1	0.44
(3,211)	1:121:A:VAL:HG21	1:123:A:ASP:H	1	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,211)	1:121:A:VAL:HG22	1:123:A:ASP:H	1	0.44
(3,211)	1:121:A:VAL:HG23	1:123:A:ASP:H	1	0.44
(3,135)	1:116:A:LEU:HG	1:118:A:LEU:H	15	0.44
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD21	19	0.44
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD22	19	0.44
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD23	19	0.44
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB2	19	0.43
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB3	19	0.43
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB2	19	0.43
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB3	19	0.43
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB2	19	0.43
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB3	19	0.43
(3,2015)	1:80:A:LYS:HB2	1:81:A:ALA:H	6	0.43
(3,2015)	1:80:A:LYS:HB3	1:81:A:ALA:H	6	0.43
(3,2003)	1:75:A:ILE:HG21	1:95:A:PRO:HB2	2	0.43
(3,2003)	1:75:A:ILE:HG21	1:95:A:PRO:HB3	2	0.43
(3,2003)	1:75:A:ILE:HG22	1:95:A:PRO:HB2	2	0.43
(3,2003)	1:75:A:ILE:HG22	1:95:A:PRO:HB3	2	0.43
(3,2003)	1:75:A:ILE:HG23	1:95:A:PRO:HB2	2	0.43
(3,2003)	1:75:A:ILE:HG23	1:95:A:PRO:HB3	2	0.43
(3,1963)	1:62:A:ARG:HG2	1:63:A:PHE:H	10	0.43
(3,1963)	1:62:A:ARG:HG3	1:63:A:PHE:H	10	0.43
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB2	1	0.43
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB3	1	0.43
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB2	5	0.43
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB3	5	0.43
(3,1917)	1:53:A:ARG:HA	1:53:A:ARG:HD2	2	0.43
(3,1917)	1:53:A:ARG:HA	1:53:A:ARG:HD3	2	0.43
(3,1831)	1:32:A:ARG:HD2	1:37:A:GLY:H	13	0.43
(3,1831)	1:32:A:ARG:HD3	1:37:A:GLY:H	13	0.43
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE21	10	0.43
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE22	10	0.43
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE21	10	0.43
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE22	10	0.43
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE21	10	0.43
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE22	10	0.43
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB2	4	0.43
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB3	4	0.43
(3,1758)	1:14:A:ALA:HB1	1:62:A:ARG:HD2	14	0.43
(3,1758)	1:14:A:ALA:HB1	1:62:A:ARG:HD3	14	0.43
(3,1758)	1:14:A:ALA:HB2	1:62:A:ARG:HD2	14	0.43
(3,1758)	1:14:A:ALA:HB2	1:62:A:ARG:HD3	14	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1758)	1:14:A:ALA:HB3	1:62:A:ARG:HD2	14	0.43
(3,1758)	1:14:A:ALA:HB3	1:62:A:ARG:HD3	14	0.43
(3,1715)	1:7:A:GLY:HA2	1:12:A:GLY:H	9	0.43
(3,1715)	1:7:A:GLY:HA3	1:12:A:GLY:H	9	0.43
(3,1715)	1:7:A:GLY:HA2	1:12:A:GLY:H	17	0.43
(3,1715)	1:7:A:GLY:HA3	1:12:A:GLY:H	17	0.43
(3,1671)	1:107:A:VAL:HB	1:129:A:VAL:HG11	5	0.43
(3,1671)	1:107:A:VAL:HB	1:129:A:VAL:HG12	5	0.43
(3,1671)	1:107:A:VAL:HB	1:129:A:VAL:HG13	5	0.43
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD11	10	0.43
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD12	10	0.43
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD13	10	0.43
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD11	8	0.43
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD12	8	0.43
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD13	8	0.43
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD11	8	0.43
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD12	8	0.43
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD13	8	0.43
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD11	8	0.43
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD12	8	0.43
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD13	8	0.43
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD11	17	0.43
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD12	17	0.43
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD13	17	0.43
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD11	17	0.43
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD12	17	0.43
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD13	17	0.43
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD11	17	0.43
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD12	17	0.43
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD13	17	0.43
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG21	12	0.43
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG22	12	0.43
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG23	12	0.43
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG21	12	0.43
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG22	12	0.43
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG23	12	0.43
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG21	12	0.43
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG22	12	0.43
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG23	12	0.43
(3,1493)	1:107:A:VAL:HG11	1:118:A:LEU:HG	9	0.43
(3,1493)	1:107:A:VAL:HG12	1:118:A:LEU:HG	9	0.43
(3,1493)	1:107:A:VAL:HG13	1:118:A:LEU:HG	9	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG21	10	0.43
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG22	10	0.43
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG23	10	0.43
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB1	4	0.43
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB2	4	0.43
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB3	4	0.43
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB1	4	0.43
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB2	4	0.43
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB3	4	0.43
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB1	4	0.43
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB2	4	0.43
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB3	4	0.43
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE1	17	0.43
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE2	17	0.43
(3,1391)	1:106:A:ARG:HA	1:130:A:GLU:HG2	20	0.43
(3,1391)	1:106:A:ARG:HA	1:130:A:GLU:HG3	20	0.43
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG21	10	0.43
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG22	10	0.43
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG23	10	0.43
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG21	7	0.43
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG22	7	0.43
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG23	7	0.43
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG21	7	0.43
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG22	7	0.43
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG23	7	0.43
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG21	7	0.43
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG22	7	0.43
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG23	7	0.43
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG21	10	0.43
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG22	10	0.43
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG23	10	0.43
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG21	10	0.43
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG22	10	0.43
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG23	10	0.43
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG21	10	0.43
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG22	10	0.43
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG23	10	0.43
(3,1308)	1:20:A:LEU:HD21	1:58:A:THR:HA	5	0.43
(3,1308)	1:20:A:LEU:HD22	1:58:A:THR:HA	5	0.43
(3,1308)	1:20:A:LEU:HD23	1:58:A:THR:HA	5	0.43
(3,1124)	1:6:A:ILE:HD11	1:116:A:LEU:HA	7	0.43
(3,1124)	1:6:A:ILE:HD12	1:116:A:LEU:HA	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1124)	1:6:A:ILE:HD13	1:116:A:LEU:HA	7	0.43
(3,1099)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	1	0.43
(3,1099)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	1	0.43
(3,1099)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	1	0.43
(3,1051)	1:54:A:ARG:HA	1:54:A:ARG:HD2	17	0.43
(3,1051)	1:54:A:ARG:HA	1:54:A:ARG:HD3	17	0.43
(3,1025)	1:22:A:THR:HB	1:23:A:ASP:H	10	0.43
(3,858)	1:95:A:PRO:HA	1:97:A:ALA:H	6	0.43
(3,821)	1:67:A:LEU:H	1:68:A:VAL:H	18	0.43
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB2	14	0.43
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB3	14	0.43
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD21	4	0.43
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD22	4	0.43
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD23	4	0.43
(3,731)	1:18:A:ALA:H	1:20:A:LEU:HG	11	0.43
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD21	4	0.43
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD22	4	0.43
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD23	4	0.43
(3,596)	1:83:A:LEU:HD11	1:89:A:LYS:H	12	0.43
(3,596)	1:83:A:LEU:HD12	1:89:A:LYS:H	12	0.43
(3,596)	1:83:A:LEU:HD13	1:89:A:LYS:H	12	0.43
(3,577)	1:44:A:LEU:HB2	1:50:A:LEU:H	20	0.43
(3,500)	1:85:A:ALA:HB1	1:147:A:TYR:H	8	0.43
(3,500)	1:85:A:ALA:HB2	1:147:A:TYR:H	8	0.43
(3,500)	1:85:A:ALA:HB3	1:147:A:TYR:H	8	0.43
(3,457)	1:26:A:LEU:HD21	1:27:A:GLN:H	20	0.43
(3,457)	1:26:A:LEU:HD22	1:27:A:GLN:H	20	0.43
(3,457)	1:26:A:LEU:HD23	1:27:A:GLN:H	20	0.43
(3,408)	1:129:A:VAL:HG21	1:132:A:TYR:H	8	0.43
(3,408)	1:129:A:VAL:HG22	1:132:A:TYR:H	8	0.43
(3,408)	1:129:A:VAL:HG23	1:132:A:TYR:H	8	0.43
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD11	13	0.43
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD12	13	0.43
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD13	13	0.43
(3,395)	1:25:A:GLU:HB2	1:26:A:LEU:H	15	0.43
(3,361)	1:140:A:LEU:HD11	1:141:A:TYR:H	5	0.43
(3,361)	1:140:A:LEU:HD12	1:141:A:TYR:H	5	0.43
(3,361)	1:140:A:LEU:HD13	1:141:A:TYR:H	5	0.43
(3,338)	1:57:A:GLN:H	1:58:A:THR:HB	12	0.43
(3,312)	1:101:A:GLU:HB2	1:102:A:ALA:H	11	0.43
(3,312)	1:101:A:GLU:HB3	1:102:A:ALA:H	11	0.43
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG11	11	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG12	11	0.43
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG13	11	0.43
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD21	14	0.43
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD22	14	0.43
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD23	14	0.43
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD21	17	0.43
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD22	17	0.43
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD23	17	0.43
(3,33)	1:99:A:ASP:H	1:105:A:VAL:HB	5	0.43
(4,21)	1:5:A:THR:N	1:8:A:ASP:OD2	14	0.42
(3,2059)	1:91:A:LEU:HD21	1:120:A:GLU:HG2	16	0.42
(3,2059)	1:91:A:LEU:HD21	1:120:A:GLU:HG3	16	0.42
(3,2059)	1:91:A:LEU:HD22	1:120:A:GLU:HG2	16	0.42
(3,2059)	1:91:A:LEU:HD22	1:120:A:GLU:HG3	16	0.42
(3,2059)	1:91:A:LEU:HD23	1:120:A:GLU:HG2	16	0.42
(3,2059)	1:91:A:LEU:HD23	1:120:A:GLU:HG3	16	0.42
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB2	5	0.42
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB3	5	0.42
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB2	10	0.42
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB3	10	0.42
(3,1713)	1:7:A:GLY:H	1:113:A:LEU:HB2	19	0.42
(3,1713)	1:7:A:GLY:H	1:113:A:LEU:HB3	19	0.42
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG21	14	0.42
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG22	14	0.42
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG23	14	0.42
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG21	14	0.42
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG22	14	0.42
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG23	14	0.42
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD11	13	0.42
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD12	13	0.42
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD13	13	0.42
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD11	13	0.42
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD12	13	0.42
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD13	13	0.42
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD11	13	0.42
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD12	13	0.42
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD13	13	0.42
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD11	18	0.42
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD12	18	0.42
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD13	18	0.42
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG11	13	0.42
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG12	13	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG13	13	0.42
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG11	13	0.42
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG12	13	0.42
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG13	13	0.42
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG11	13	0.42
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG12	13	0.42
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG13	13	0.42
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG21	10	0.42
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG22	10	0.42
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG23	10	0.42
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG21	10	0.42
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG22	10	0.42
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG23	10	0.42
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG21	10	0.42
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG22	10	0.42
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG23	10	0.42
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG21	10	0.42
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG22	10	0.42
(3,1358)	1:70:A:LEU:HD11	1:94:A:ILE:HG23	10	0.42
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG21	10	0.42
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG22	10	0.42
(3,1358)	1:70:A:LEU:HD12	1:94:A:ILE:HG23	10	0.42
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG21	10	0.42
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG22	10	0.42
(3,1358)	1:70:A:LEU:HD13	1:94:A:ILE:HG23	10	0.42
(3,1235)	1:83:A:LEU:HD21	1:121:A:VAL:HA	9	0.42
(3,1235)	1:83:A:LEU:HD22	1:121:A:VAL:HA	9	0.42
(3,1235)	1:83:A:LEU:HD23	1:121:A:VAL:HA	9	0.42
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG21	9	0.42
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG22	9	0.42
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG23	9	0.42
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG21	9	0.42
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG22	9	0.42
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG23	9	0.42
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG21	9	0.42
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG22	9	0.42
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG23	9	0.42
(3,1151)	1:116:A:LEU:HG	1:117:A:SER:H	8	0.42
(3,1051)	1:54:A:ARG:HA	1:54:A:ARG:HD2	6	0.42
(3,1051)	1:54:A:ARG:HA	1:54:A:ARG:HD3	6	0.42
(3,973)	1:30:A:LEU:H	1:33:A:HIS:H	13	0.42
(3,936)	1:11:A:LEU:H	1:13:A:ALA:H	11	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,897)	1:105:A:VAL:HG21	1:125:A:THR:H	19	0.42
(3,897)	1:105:A:VAL:HG22	1:125:A:THR:H	19	0.42
(3,897)	1:105:A:VAL:HG23	1:125:A:THR:H	19	0.42
(3,861)	1:99:A:ASP:H	1:106:A:ARG:H	20	0.42
(3,781)	1:41:A:ALA:H	1:55:A:ILE:HG12	2	0.42
(3,781)	1:41:A:ALA:H	1:55:A:ILE:HG13	2	0.42
(3,759)	1:27:A:GLN:H	1:29:A:ALA:H	10	0.42
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD21	7	0.42
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD22	7	0.42
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD23	7	0.42
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD21	12	0.42
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD22	12	0.42
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD23	12	0.42
(3,711)	1:6:A:ILE:HG21	1:8:A:ASP:H	19	0.42
(3,711)	1:6:A:ILE:HG22	1:8:A:ASP:H	19	0.42
(3,711)	1:6:A:ILE:HG23	1:8:A:ASP:H	19	0.42
(3,655)	1:22:A:THR:H	1:25:A:GLU:HA	19	0.42
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD21	18	0.42
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD22	18	0.42
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD23	18	0.42
(3,625)	1:110:A:LEU:HG	1:135:A:THR:H	4	0.42
(3,404)	1:118:A:LEU:HD11	1:132:A:TYR:H	7	0.42
(3,404)	1:118:A:LEU:HD12	1:132:A:TYR:H	7	0.42
(3,404)	1:118:A:LEU:HD13	1:132:A:TYR:H	7	0.42
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD11	20	0.42
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD12	20	0.42
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD13	20	0.42
(3,275)	1:11:A:LEU:HA	1:13:A:ALA:H	13	0.42
(3,275)	1:11:A:LEU:HA	1:13:A:ALA:H	17	0.42
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD21	9	0.42
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD22	9	0.42
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD23	9	0.42
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG11	2	0.42
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG12	2	0.42
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG13	2	0.42
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD21	10	0.42
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD22	10	0.42
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD23	10	0.42
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD21	19	0.42
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD22	19	0.42
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD23	19	0.42
(3,205)	1:105:A:VAL:HG11	1:127:A:LEU:H	7	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,205)	1:105:A:VAL:HG12	1:127:A:LEU:H	7	0.42
(3,205)	1:105:A:VAL:HG13	1:127:A:LEU:H	7	0.42
(3,145)	1:144:A:ALA:HB1	1:152:A:LEU:H	19	0.42
(3,145)	1:144:A:ALA:HB2	1:152:A:LEU:H	19	0.42
(3,145)	1:144:A:ALA:HB3	1:152:A:LEU:H	19	0.42
(3,141)	1:56:A:ALA:HB1	1:59:A:ILE:H	1	0.42
(3,141)	1:56:A:ALA:HB2	1:59:A:ILE:H	1	0.42
(3,141)	1:56:A:ALA:HB3	1:59:A:ILE:H	1	0.42
(3,105)	1:93:A:ALA:H	1:139:A:PHE:HE1	2	0.42
(3,105)	1:93:A:ALA:H	1:139:A:PHE:HE2	2	0.42
(4,22)	1:5:A:THR:H	1:8:A:ASP:OD2	17	0.41
(3,2163)	1:122:A:GLU:HG2	1:129:A:VAL:HG11	6	0.41
(3,2163)	1:122:A:GLU:HG2	1:129:A:VAL:HG12	6	0.41
(3,2163)	1:122:A:GLU:HG2	1:129:A:VAL:HG13	6	0.41
(3,2163)	1:122:A:GLU:HG3	1:129:A:VAL:HG11	6	0.41
(3,2163)	1:122:A:GLU:HG3	1:129:A:VAL:HG12	6	0.41
(3,2163)	1:122:A:GLU:HG3	1:129:A:VAL:HG13	6	0.41
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB2	10	0.41
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB3	10	0.41
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB2	10	0.41
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB3	10	0.41
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB2	10	0.41
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB3	10	0.41
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB2	5	0.41
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB3	5	0.41
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB2	5	0.41
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB3	5	0.41
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB2	5	0.41
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB3	5	0.41
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB2	14	0.41
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB3	14	0.41
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB2	14	0.41
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB3	14	0.41
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB2	14	0.41
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB3	14	0.41
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB2	1	0.41
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB3	1	0.41
(3,1937)	1:58:A:THR:HG21	1:62:A:ARG:HG2	17	0.41
(3,1937)	1:58:A:THR:HG21	1:62:A:ARG:HG3	17	0.41
(3,1937)	1:58:A:THR:HG22	1:62:A:ARG:HG2	17	0.41
(3,1937)	1:58:A:THR:HG22	1:62:A:ARG:HG3	17	0.41
(3,1937)	1:58:A:THR:HG23	1:62:A:ARG:HG2	17	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1937)	1:58:A:THR:HG23	1:62:A:ARG:HG3	17	0.41
(3,1924)	1:56:A:ALA:HA	1:133:A:GLN:HE21	20	0.41
(3,1924)	1:56:A:ALA:HA	1:133:A:GLN:HE22	20	0.41
(3,1917)	1:53:A:ARG:HA	1:53:A:ARG:HD2	8	0.41
(3,1917)	1:53:A:ARG:HA	1:53:A:ARG:HD3	8	0.41
(3,1906)	1:50:A:LEU:HB2	1:55:A:ILE:HA	8	0.41
(3,1906)	1:50:A:LEU:HB3	1:55:A:ILE:HA	8	0.41
(3,1853)	1:39:A:SER:HA	1:111:A:ASN:HD21	15	0.41
(3,1853)	1:39:A:SER:HA	1:111:A:ASN:HD22	15	0.41
(3,1830)	1:32:A:ARG:HD2	1:36:A:VAL:HG21	3	0.41
(3,1830)	1:32:A:ARG:HD2	1:36:A:VAL:HG22	3	0.41
(3,1830)	1:32:A:ARG:HD2	1:36:A:VAL:HG23	3	0.41
(3,1830)	1:32:A:ARG:HD3	1:36:A:VAL:HG21	3	0.41
(3,1830)	1:32:A:ARG:HD3	1:36:A:VAL:HG22	3	0.41
(3,1830)	1:32:A:ARG:HD3	1:36:A:VAL:HG23	3	0.41
(3,1715)	1:7:A:GLY:HA2	1:12:A:GLY:H	7	0.41
(3,1715)	1:7:A:GLY:HA3	1:12:A:GLY:H	7	0.41
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB2	17	0.41
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB3	17	0.41
(3,1681)	1:140:A:LEU:HD11	1:141:A:TYR:HA	8	0.41
(3,1681)	1:140:A:LEU:HD12	1:141:A:TYR:HA	8	0.41
(3,1681)	1:140:A:LEU:HD13	1:141:A:TYR:HA	8	0.41
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG21	20	0.41
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG22	20	0.41
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG23	20	0.41
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG21	20	0.41
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG22	20	0.41
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG23	20	0.41
(3,1672)	1:105:A:VAL:HG21	1:129:A:VAL:HG11	8	0.41
(3,1672)	1:105:A:VAL:HG21	1:129:A:VAL:HG12	8	0.41
(3,1672)	1:105:A:VAL:HG21	1:129:A:VAL:HG13	8	0.41
(3,1672)	1:105:A:VAL:HG22	1:129:A:VAL:HG11	8	0.41
(3,1672)	1:105:A:VAL:HG22	1:129:A:VAL:HG12	8	0.41
(3,1672)	1:105:A:VAL:HG22	1:129:A:VAL:HG13	8	0.41
(3,1672)	1:105:A:VAL:HG23	1:129:A:VAL:HG11	8	0.41
(3,1672)	1:105:A:VAL:HG23	1:129:A:VAL:HG12	8	0.41
(3,1672)	1:105:A:VAL:HG23	1:129:A:VAL:HG13	8	0.41
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD11	15	0.41
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD12	15	0.41
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD13	15	0.41
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD11	15	0.41
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD12	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD13	15	0.41
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD11	15	0.41
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD12	15	0.41
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD13	15	0.41
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG11	10	0.41
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG12	10	0.41
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG13	10	0.41
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG11	10	0.41
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG12	10	0.41
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG13	10	0.41
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG11	10	0.41
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG12	10	0.41
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG13	10	0.41
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG21	3	0.41
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG22	3	0.41
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG23	3	0.41
(3,1415)	1:110:A:LEU:HA	1:110:A:LEU:HD21	16	0.41
(3,1415)	1:110:A:LEU:HA	1:110:A:LEU:HD22	16	0.41
(3,1415)	1:110:A:LEU:HA	1:110:A:LEU:HD23	16	0.41
(3,1337)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	17	0.41
(3,1337)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	17	0.41
(3,1337)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	17	0.41
(3,1337)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	20	0.41
(3,1337)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	20	0.41
(3,1337)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	20	0.41
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG21	10	0.41
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG22	10	0.41
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG23	10	0.41
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG21	10	0.41
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG22	10	0.41
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG23	10	0.41
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG21	10	0.41
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG22	10	0.41
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG23	10	0.41
(3,1324)	1:6:A:ILE:HG21	1:115:A:THR:HA	18	0.41
(3,1324)	1:6:A:ILE:HG22	1:115:A:THR:HA	18	0.41
(3,1324)	1:6:A:ILE:HG23	1:115:A:THR:HA	18	0.41
(3,1282)	1:4:A:LEU:HB2	1:5:A:THR:HB	2	0.41
(3,1282)	1:4:A:LEU:HB3	1:5:A:THR:HB	2	0.41
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD11	12	0.41
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD12	12	0.41
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD13	12	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD11	12	0.41
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD12	12	0.41
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD13	12	0.41
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD11	12	0.41
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD12	12	0.41
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD13	12	0.41
(3,984)	1:40:A:LEU:H	1:43:A:VAL:HG11	16	0.41
(3,984)	1:40:A:LEU:H	1:43:A:VAL:HG12	16	0.41
(3,984)	1:40:A:LEU:H	1:43:A:VAL:HG13	16	0.41
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG21	1	0.41
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG22	1	0.41
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG23	1	0.41
(3,861)	1:99:A:ASP:H	1:106:A:ARG:H	16	0.41
(3,848)	1:92:A:LYS:H	1:139:A:PHE:HE1	19	0.41
(3,848)	1:92:A:LYS:H	1:139:A:PHE:HE2	19	0.41
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB2	12	0.41
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB3	12	0.41
(3,763)	1:32:A:ARG:H	1:35:A:GLU:H	18	0.41
(3,761)	1:27:A:GLN:HG2	1:30:A:LEU:H	20	0.41
(3,761)	1:27:A:GLN:HG3	1:30:A:LEU:H	20	0.41
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD21	17	0.41
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD22	17	0.41
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD23	17	0.41
(3,668)	1:56:A:ALA:HB1	1:133:A:GLN:HE21	7	0.41
(3,668)	1:56:A:ALA:HB2	1:133:A:GLN:HE21	7	0.41
(3,668)	1:56:A:ALA:HB3	1:133:A:GLN:HE21	7	0.41
(3,651)	1:122:A:GLU:HA	1:126:A:GLY:H	10	0.41
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG12	6	0.41
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG13	6	0.41
(3,464)	1:87:A:LYS:H	1:87:A:LYS:HD2	16	0.41
(3,464)	1:87:A:LYS:H	1:87:A:LYS:HD3	16	0.41
(3,457)	1:26:A:LEU:HD21	1:27:A:GLN:H	8	0.41
(3,457)	1:26:A:LEU:HD22	1:27:A:GLN:H	8	0.41
(3,457)	1:26:A:LEU:HD23	1:27:A:GLN:H	8	0.41
(3,396)	1:40:A:LEU:HD11	1:44:A:LEU:H	16	0.41
(3,396)	1:40:A:LEU:HD12	1:44:A:LEU:H	16	0.41
(3,396)	1:40:A:LEU:HD13	1:44:A:LEU:H	16	0.41
(3,361)	1:140:A:LEU:HD11	1:141:A:TYR:H	8	0.41
(3,361)	1:140:A:LEU:HD12	1:141:A:TYR:H	8	0.41
(3,361)	1:140:A:LEU:HD13	1:141:A:TYR:H	8	0.41
(3,361)	1:140:A:LEU:HD11	1:141:A:TYR:H	12	0.41
(3,361)	1:140:A:LEU:HD12	1:141:A:TYR:H	12	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,361)	1:140:A:LEU:HD13	1:141:A:TYR:H	12	0.41
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG11	6	0.41
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG12	6	0.41
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG13	6	0.41
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG11	11	0.41
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG12	11	0.41
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG13	11	0.41
(3,275)	1:11:A:LEU:HA	1:13:A:ALA:H	2	0.41
(3,275)	1:11:A:LEU:HA	1:13:A:ALA:H	8	0.41
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD21	6	0.41
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD22	6	0.41
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD23	6	0.41
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG21	4	0.41
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG22	4	0.41
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG23	4	0.41
(3,211)	1:121:A:VAL:HG21	1:123:A:ASP:H	12	0.41
(3,211)	1:121:A:VAL:HG22	1:123:A:ASP:H	12	0.41
(3,211)	1:121:A:VAL:HG23	1:123:A:ASP:H	12	0.41
(3,143)	1:55:A:ILE:HG21	1:59:A:ILE:H	7	0.41
(3,143)	1:55:A:ILE:HG22	1:59:A:ILE:H	7	0.41
(3,143)	1:55:A:ILE:HG23	1:59:A:ILE:H	7	0.41
(3,53)	1:83:A:LEU:HG	1:88:A:ALA:H	9	0.41
(3,37)	1:105:A:VAL:H	1:129:A:VAL:HB	15	0.41
(4,16)	1:109:A:PHE:H	1:132:A:TYR:O	8	0.4
(3,2111)	1:110:A:LEU:HB2	1:111:A:ASN:HD21	12	0.4
(3,2111)	1:110:A:LEU:HB2	1:111:A:ASN:HD22	12	0.4
(3,2111)	1:110:A:LEU:HB3	1:111:A:ASN:HD21	12	0.4
(3,2111)	1:110:A:LEU:HB3	1:111:A:ASN:HD22	12	0.4
(3,1932)	1:57:A:GLN:HG2	1:58:A:THR:HA	3	0.4
(3,1932)	1:57:A:GLN:HG3	1:58:A:THR:HA	3	0.4
(3,1932)	1:57:A:GLN:HG2	1:58:A:THR:HA	18	0.4
(3,1932)	1:57:A:GLN:HG3	1:58:A:THR:HA	18	0.4
(3,1926)	1:57:A:GLN:H	1:57:A:GLN:HG2	12	0.4
(3,1926)	1:57:A:GLN:H	1:57:A:GLN:HG3	12	0.4
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB2	14	0.4
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB3	14	0.4
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB2	20	0.4
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB3	20	0.4
(3,1871)	1:44:A:LEU:HB2	1:49:A:LEU:H	11	0.4
(3,1871)	1:44:A:LEU:HB3	1:49:A:LEU:H	11	0.4
(3,1715)	1:7:A:GLY:HA2	1:12:A:GLY:H	1	0.4
(3,1715)	1:7:A:GLY:HA3	1:12:A:GLY:H	1	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1689)	1:29:A:ALA:HB1	1:44:A:LEU:HG	1	0.4
(3,1689)	1:29:A:ALA:HB2	1:44:A:LEU:HG	1	0.4
(3,1689)	1:29:A:ALA:HB3	1:44:A:LEU:HG	1	0.4
(3,1658)	1:93:A:ALA:HB1	1:121:A:VAL:HG11	19	0.4
(3,1658)	1:93:A:ALA:HB1	1:121:A:VAL:HG12	19	0.4
(3,1658)	1:93:A:ALA:HB1	1:121:A:VAL:HG13	19	0.4
(3,1658)	1:93:A:ALA:HB2	1:121:A:VAL:HG11	19	0.4
(3,1658)	1:93:A:ALA:HB2	1:121:A:VAL:HG12	19	0.4
(3,1658)	1:93:A:ALA:HB2	1:121:A:VAL:HG13	19	0.4
(3,1658)	1:93:A:ALA:HB3	1:121:A:VAL:HG11	19	0.4
(3,1658)	1:93:A:ALA:HB3	1:121:A:VAL:HG12	19	0.4
(3,1658)	1:93:A:ALA:HB3	1:121:A:VAL:HG13	19	0.4
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD21	14	0.4
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD22	14	0.4
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD23	14	0.4
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD21	14	0.4
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD22	14	0.4
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD23	14	0.4
(3,1611)	1:104:A:VAL:HG11	1:128:A:VAL:HB	14	0.4
(3,1611)	1:104:A:VAL:HG12	1:128:A:VAL:HB	14	0.4
(3,1611)	1:104:A:VAL:HG13	1:128:A:VAL:HB	14	0.4
(3,1611)	1:104:A:VAL:HG21	1:128:A:VAL:HB	14	0.4
(3,1611)	1:104:A:VAL:HG22	1:128:A:VAL:HB	14	0.4
(3,1611)	1:104:A:VAL:HG23	1:128:A:VAL:HB	14	0.4
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG11	17	0.4
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG12	17	0.4
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG13	17	0.4
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG11	17	0.4
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG12	17	0.4
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG13	17	0.4
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG11	17	0.4
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG12	17	0.4
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG13	17	0.4
(3,1537)	1:44:A:LEU:HD21	1:55:A:ILE:HG12	12	0.4
(3,1537)	1:44:A:LEU:HD21	1:55:A:ILE:HG13	12	0.4
(3,1537)	1:44:A:LEU:HD22	1:55:A:ILE:HG12	12	0.4
(3,1537)	1:44:A:LEU:HD22	1:55:A:ILE:HG13	12	0.4
(3,1537)	1:44:A:LEU:HD23	1:55:A:ILE:HG12	12	0.4
(3,1537)	1:44:A:LEU:HD23	1:55:A:ILE:HG13	12	0.4
(3,1494)	1:16:A:LEU:HD21	1:17:A:ASP:HA	4	0.4
(3,1494)	1:16:A:LEU:HD22	1:17:A:ASP:HA	4	0.4
(3,1494)	1:16:A:LEU:HD23	1:17:A:ASP:HA	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG21	14	0.4
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG22	14	0.4
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG23	14	0.4
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG21	14	0.4
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG22	14	0.4
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG23	14	0.4
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG21	14	0.4
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG22	14	0.4
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG23	14	0.4
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE1	10	0.4
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE2	10	0.4
(3,1391)	1:106:A:ARG:HA	1:130:A:GLU:HG2	18	0.4
(3,1391)	1:106:A:ARG:HA	1:130:A:GLU:HG3	18	0.4
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG21	8	0.4
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG22	8	0.4
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG23	8	0.4
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG21	6	0.4
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG22	6	0.4
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG23	6	0.4
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG21	6	0.4
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG22	6	0.4
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG23	6	0.4
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG21	6	0.4
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG22	6	0.4
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG23	6	0.4
(3,1324)	1:6:A:ILE:HG21	1:115:A:THR:HA	3	0.4
(3,1324)	1:6:A:ILE:HG22	1:115:A:THR:HA	3	0.4
(3,1324)	1:6:A:ILE:HG23	1:115:A:THR:HA	3	0.4
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG21	5	0.4
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG22	5	0.4
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG23	5	0.4
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG21	5	0.4
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG22	5	0.4
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG23	5	0.4
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG21	5	0.4
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG22	5	0.4
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG23	5	0.4
(3,1293)	1:43:A:VAL:HG21	1:44:A:LEU:HA	7	0.4
(3,1293)	1:43:A:VAL:HG22	1:44:A:LEU:HA	7	0.4
(3,1293)	1:43:A:VAL:HG23	1:44:A:LEU:HA	7	0.4
(3,1282)	1:4:A:LEU:HB2	1:5:A:THR:HB	4	0.4
(3,1282)	1:4:A:LEU:HB3	1:5:A:THR:HB	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1116)	1:41:A:ALA:HB1	1:55:A:ILE:HG12	6	0.4
(3,1116)	1:41:A:ALA:HB1	1:55:A:ILE:HG13	6	0.4
(3,1116)	1:41:A:ALA:HB2	1:55:A:ILE:HG12	6	0.4
(3,1116)	1:41:A:ALA:HB2	1:55:A:ILE:HG13	6	0.4
(3,1116)	1:41:A:ALA:HB3	1:55:A:ILE:HG12	6	0.4
(3,1116)	1:41:A:ALA:HB3	1:55:A:ILE:HG13	6	0.4
(3,1056)	1:122:A:GLU:HA	1:129:A:VAL:HG11	5	0.4
(3,1056)	1:122:A:GLU:HA	1:129:A:VAL:HG12	5	0.4
(3,1056)	1:122:A:GLU:HA	1:129:A:VAL:HG13	5	0.4
(3,978)	1:32:A:ARG:H	1:34:A:ARG:HB2	14	0.4
(3,978)	1:32:A:ARG:H	1:34:A:ARG:HB3	14	0.4
(3,936)	1:11:A:LEU:H	1:13:A:ALA:H	12	0.4
(3,931)	1:150:A:LEU:HA	1:152:A:LEU:H	13	0.4
(3,913)	1:60:A:GLU:HA	1:133:A:GLN:HE21	9	0.4
(3,897)	1:105:A:VAL:HG21	1:125:A:THR:H	9	0.4
(3,897)	1:105:A:VAL:HG22	1:125:A:THR:H	9	0.4
(3,897)	1:105:A:VAL:HG23	1:125:A:THR:H	9	0.4
(3,891)	1:121:A:VAL:H	1:123:A:ASP:H	9	0.4
(3,872)	1:95:A:PRO:HA	1:107:A:VAL:H	12	0.4
(3,821)	1:67:A:LEU:H	1:68:A:VAL:H	4	0.4
(3,808)	1:61:A:ASP:H	1:65:A:ILE:H	10	0.4
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB2	10	0.4
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB3	10	0.4
(3,752)	1:23:A:ASP:HB2	1:27:A:GLN:H	15	0.4
(3,752)	1:23:A:ASP:HB3	1:27:A:GLN:H	15	0.4
(3,731)	1:18:A:ALA:H	1:20:A:LEU:HG	9	0.4
(3,725)	1:15:A:LEU:H	1:58:A:THR:HG21	3	0.4
(3,725)	1:15:A:LEU:H	1:58:A:THR:HG22	3	0.4
(3,725)	1:15:A:LEU:H	1:58:A:THR:HG23	3	0.4
(3,719)	1:10:A:ARG:HA	1:12:A:GLY:H	11	0.4
(3,681)	1:48:A:GLY:H	1:50:A:LEU:H	11	0.4
(3,503)	1:80:A:LYS:HD2	1:81:A:ALA:H	2	0.4
(3,503)	1:80:A:LYS:HD3	1:81:A:ALA:H	2	0.4
(3,503)	1:80:A:LYS:HD2	1:81:A:ALA:H	6	0.4
(3,503)	1:80:A:LYS:HD3	1:81:A:ALA:H	6	0.4
(3,457)	1:26:A:LEU:HD21	1:27:A:GLN:H	16	0.4
(3,457)	1:26:A:LEU:HD22	1:27:A:GLN:H	16	0.4
(3,457)	1:26:A:LEU:HD23	1:27:A:GLN:H	16	0.4
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD21	3	0.4
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD22	3	0.4
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD23	3	0.4
(3,404)	1:118:A:LEU:HD11	1:132:A:TYR:H	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,404)	1:118:A:LEU:HD12	1:132:A:TYR:H	6	0.4
(3,404)	1:118:A:LEU:HD13	1:132:A:TYR:H	6	0.4
(3,385)	1:75:A:ILE:HG21	1:80:A:LYS:H	15	0.4
(3,385)	1:75:A:ILE:HG22	1:80:A:LYS:H	15	0.4
(3,385)	1:75:A:ILE:HG23	1:80:A:LYS:H	15	0.4
(3,361)	1:140:A:LEU:HD11	1:141:A:TYR:H	3	0.4
(3,361)	1:140:A:LEU:HD12	1:141:A:TYR:H	3	0.4
(3,361)	1:140:A:LEU:HD13	1:141:A:TYR:H	3	0.4
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD11	1	0.4
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD12	1	0.4
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD13	1	0.4
(3,307)	1:33:A:HIS:H	1:43:A:VAL:HB	18	0.4
(3,86)	1:29:A:ALA:H	1:40:A:LEU:HD11	8	0.4
(3,86)	1:29:A:ALA:H	1:40:A:LEU:HD12	8	0.4
(3,86)	1:29:A:ALA:H	1:40:A:LEU:HD13	8	0.4
(3,33)	1:99:A:ASP:H	1:105:A:VAL:HB	15	0.4
(3,22)	1:122:A:GLU:HA	1:129:A:VAL:H	2	0.4
(4,22)	1:5:A:THR:H	1:8:A:ASP:OD2	3	0.39
(4,2)	1:103:A:GLY:O	1:128:A:VAL:H	18	0.39
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB2	8	0.39
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB3	8	0.39
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB2	8	0.39
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB3	8	0.39
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB2	8	0.39
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB3	8	0.39
(3,2097)	1:105:A:VAL:H	1:127:A:LEU:HB2	9	0.39
(3,2097)	1:105:A:VAL:H	1:127:A:LEU:HB3	9	0.39
(3,2097)	1:105:A:VAL:H	1:127:A:LEU:HB2	20	0.39
(3,2097)	1:105:A:VAL:H	1:127:A:LEU:HB3	20	0.39
(3,2046)	1:89:A:LYS:HB2	1:143:A:LEU:HD21	9	0.39
(3,2046)	1:89:A:LYS:HB2	1:143:A:LEU:HD22	9	0.39
(3,2046)	1:89:A:LYS:HB2	1:143:A:LEU:HD23	9	0.39
(3,2046)	1:89:A:LYS:HB3	1:143:A:LEU:HD21	9	0.39
(3,2046)	1:89:A:LYS:HB3	1:143:A:LEU:HD22	9	0.39
(3,2046)	1:89:A:LYS:HB3	1:143:A:LEU:HD23	9	0.39
(3,1984)	1:68:A:VAL:HG21	1:70:A:LEU:HB2	3	0.39
(3,1984)	1:68:A:VAL:HG21	1:70:A:LEU:HB3	3	0.39
(3,1984)	1:68:A:VAL:HG22	1:70:A:LEU:HB2	3	0.39
(3,1984)	1:68:A:VAL:HG22	1:70:A:LEU:HB3	3	0.39
(3,1984)	1:68:A:VAL:HG23	1:70:A:LEU:HB2	3	0.39
(3,1984)	1:68:A:VAL:HG23	1:70:A:LEU:HB3	3	0.39
(3,1932)	1:57:A:GLN:HG2	1:58:A:THR:HA	1	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1932)	1:57:A:GLN:HG3	1:58:A:THR:HA	1	0.39
(3,1932)	1:57:A:GLN:HG2	1:58:A:THR:HA	2	0.39
(3,1932)	1:57:A:GLN:HG3	1:58:A:THR:HA	2	0.39
(3,1932)	1:57:A:GLN:HG2	1:58:A:THR:HA	9	0.39
(3,1932)	1:57:A:GLN:HG3	1:58:A:THR:HA	9	0.39
(3,1924)	1:56:A:ALA:HA	1:133:A:GLN:HE21	15	0.39
(3,1924)	1:56:A:ALA:HA	1:133:A:GLN:HE22	15	0.39
(3,1831)	1:32:A:ARG:HD2	1:37:A:GLY:H	16	0.39
(3,1831)	1:32:A:ARG:HD3	1:37:A:GLY:H	16	0.39
(3,1799)	1:27:A:GLN:HE21	1:30:A:LEU:HD11	13	0.39
(3,1799)	1:27:A:GLN:HE21	1:30:A:LEU:HD12	13	0.39
(3,1799)	1:27:A:GLN:HE21	1:30:A:LEU:HD13	13	0.39
(3,1799)	1:27:A:GLN:HE22	1:30:A:LEU:HD11	13	0.39
(3,1799)	1:27:A:GLN:HE22	1:30:A:LEU:HD12	13	0.39
(3,1799)	1:27:A:GLN:HE22	1:30:A:LEU:HD13	13	0.39
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE21	5	0.39
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE22	5	0.39
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE21	5	0.39
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE22	5	0.39
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE21	5	0.39
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE22	5	0.39
(3,1784)	1:21:A:LEU:HB2	1:25:A:GLU:H	10	0.39
(3,1784)	1:21:A:LEU:HB3	1:25:A:GLU:H	10	0.39
(3,1784)	1:21:A:LEU:HB2	1:25:A:GLU:H	11	0.39
(3,1784)	1:21:A:LEU:HB3	1:25:A:GLU:H	11	0.39
(3,1769)	1:16:A:LEU:HB2	1:17:A:ASP:HA	6	0.39
(3,1769)	1:16:A:LEU:HB3	1:17:A:ASP:HA	6	0.39
(3,1758)	1:14:A:ALA:HB1	1:62:A:ARG:HD2	20	0.39
(3,1758)	1:14:A:ALA:HB1	1:62:A:ARG:HD3	20	0.39
(3,1758)	1:14:A:ALA:HB2	1:62:A:ARG:HD2	20	0.39
(3,1758)	1:14:A:ALA:HB2	1:62:A:ARG:HD3	20	0.39
(3,1758)	1:14:A:ALA:HB3	1:62:A:ARG:HD2	20	0.39
(3,1758)	1:14:A:ALA:HB3	1:62:A:ARG:HD3	20	0.39
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG2	19	0.39
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG3	19	0.39
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG2	19	0.39
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG3	19	0.39
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG2	19	0.39
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG3	19	0.39
(3,1723)	1:8:A:ASP:H	1:39:A:SER:HB2	8	0.39
(3,1723)	1:8:A:ASP:H	1:39:A:SER:HB3	8	0.39
(3,1681)	1:140:A:LEU:HD11	1:141:A:TYR:HA	11	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1681)	1:140:A:LEU:HD12	1:141:A:TYR:HA	11	0.39
(3,1681)	1:140:A:LEU:HD13	1:141:A:TYR:HA	11	0.39
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD11	10	0.39
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD12	10	0.39
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD13	10	0.39
(3,1468)	1:75:A:ILE:HG21	1:96:A:PHE:HA	8	0.39
(3,1468)	1:75:A:ILE:HG22	1:96:A:PHE:HA	8	0.39
(3,1468)	1:75:A:ILE:HG23	1:96:A:PHE:HA	8	0.39
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG21	16	0.39
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG22	16	0.39
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG23	16	0.39
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG21	16	0.39
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG22	16	0.39
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG23	16	0.39
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG21	16	0.39
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG22	16	0.39
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG23	16	0.39
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD2	4	0.39
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD3	4	0.39
(3,1305)	1:41:A:ALA:HB1	1:55:A:ILE:HG21	3	0.39
(3,1305)	1:41:A:ALA:HB1	1:55:A:ILE:HG22	3	0.39
(3,1305)	1:41:A:ALA:HB1	1:55:A:ILE:HG23	3	0.39
(3,1305)	1:41:A:ALA:HB2	1:55:A:ILE:HG21	3	0.39
(3,1305)	1:41:A:ALA:HB2	1:55:A:ILE:HG22	3	0.39
(3,1305)	1:41:A:ALA:HB2	1:55:A:ILE:HG23	3	0.39
(3,1305)	1:41:A:ALA:HB3	1:55:A:ILE:HG21	3	0.39
(3,1305)	1:41:A:ALA:HB3	1:55:A:ILE:HG22	3	0.39
(3,1305)	1:41:A:ALA:HB3	1:55:A:ILE:HG23	3	0.39
(3,1282)	1:4:A:LEU:HB2	1:5:A:THR:HB	8	0.39
(3,1282)	1:4:A:LEU:HB3	1:5:A:THR:HB	8	0.39
(3,1282)	1:4:A:LEU:HB2	1:5:A:THR:HB	17	0.39
(3,1282)	1:4:A:LEU:HB3	1:5:A:THR:HB	17	0.39
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD11	17	0.39
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD12	17	0.39
(3,1250)	1:144:A:ALA:HA	1:150:A:LEU:HD13	17	0.39
(3,1210)	1:59:A:ILE:HG21	1:133:A:GLN:HG2	13	0.39
(3,1210)	1:59:A:ILE:HG21	1:133:A:GLN:HG3	13	0.39
(3,1210)	1:59:A:ILE:HG22	1:133:A:GLN:HG2	13	0.39
(3,1210)	1:59:A:ILE:HG22	1:133:A:GLN:HG3	13	0.39
(3,1210)	1:59:A:ILE:HG23	1:133:A:GLN:HG2	13	0.39
(3,1210)	1:59:A:ILE:HG23	1:133:A:GLN:HG3	13	0.39
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG21	11	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG22	11	0.39
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG23	11	0.39
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG21	11	0.39
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG22	11	0.39
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG23	11	0.39
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG21	11	0.39
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG22	11	0.39
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG23	11	0.39
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD11	7	0.39
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD12	7	0.39
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD13	7	0.39
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD11	7	0.39
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD12	7	0.39
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD13	7	0.39
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD11	7	0.39
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD12	7	0.39
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD13	7	0.39
(3,1151)	1:116:A:LEU:HG	1:117:A:SER:H	18	0.39
(3,1080)	1:55:A:ILE:HA	1:55:A:ILE:HD11	15	0.39
(3,1080)	1:55:A:ILE:HA	1:55:A:ILE:HD12	15	0.39
(3,1080)	1:55:A:ILE:HA	1:55:A:ILE:HD13	15	0.39
(3,861)	1:99:A:ASP:H	1:106:A:ARG:H	1	0.39
(3,858)	1:95:A:PRO:HA	1:97:A:ALA:H	12	0.39
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB2	11	0.39
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB3	11	0.39
(3,745)	1:51:A:SER:H	1:54:A:ARG:H	7	0.39
(3,745)	1:51:A:SER:H	1:54:A:ARG:H	20	0.39
(3,680)	1:6:A:ILE:HG21	1:7:A:GLY:H	17	0.39
(3,680)	1:6:A:ILE:HG22	1:7:A:GLY:H	17	0.39
(3,680)	1:6:A:ILE:HG23	1:7:A:GLY:H	17	0.39
(3,665)	1:59:A:ILE:HG21	1:64:A:GLY:H	16	0.39
(3,665)	1:59:A:ILE:HG22	1:64:A:GLY:H	16	0.39
(3,665)	1:59:A:ILE:HG23	1:64:A:GLY:H	16	0.39
(3,655)	1:22:A:THR:H	1:25:A:GLU:HA	15	0.39
(3,651)	1:122:A:GLU:HA	1:126:A:GLY:H	20	0.39
(3,647)	1:126:A:GLY:H	1:127:A:LEU:HG	15	0.39
(3,643)	1:33:A:HIS:HA	1:37:A:GLY:H	3	0.39
(3,638)	1:84:A:PRO:HB3	1:86:A:GLU:H	13	0.39
(3,577)	1:44:A:LEU:HB2	1:50:A:LEU:H	8	0.39
(3,396)	1:40:A:LEU:HD11	1:44:A:LEU:H	1	0.39
(3,396)	1:40:A:LEU:HD12	1:44:A:LEU:H	1	0.39
(3,396)	1:40:A:LEU:HD13	1:44:A:LEU:H	1	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,382)	1:25:A:GLU:HB3	1:26:A:LEU:H	3	0.39
(3,361)	1:140:A:LEU:HD11	1:141:A:TYR:H	14	0.39
(3,361)	1:140:A:LEU:HD12	1:141:A:TYR:H	14	0.39
(3,361)	1:140:A:LEU:HD13	1:141:A:TYR:H	14	0.39
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG11	8	0.39
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG12	8	0.39
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG13	8	0.39
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD21	13	0.39
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD22	13	0.39
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD23	13	0.39
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD21	18	0.39
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD22	18	0.39
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD23	18	0.39
(3,196)	1:55:A:ILE:HD11	1:56:A:ALA:H	12	0.39
(3,196)	1:55:A:ILE:HD12	1:56:A:ALA:H	12	0.39
(3,196)	1:55:A:ILE:HD13	1:56:A:ALA:H	12	0.39
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD21	7	0.39
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD22	7	0.39
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD23	7	0.39
(3,96)	1:107:A:VAL:H	1:132:A:TYR:HE1	17	0.39
(3,96)	1:107:A:VAL:H	1:132:A:TYR:HE2	17	0.39
(3,92)	1:121:A:VAL:HG21	1:122:A:GLU:H	9	0.39
(3,92)	1:121:A:VAL:HG22	1:122:A:GLU:H	9	0.39
(3,92)	1:121:A:VAL:HG23	1:122:A:GLU:H	9	0.39
(3,78)	1:11:A:LEU:HD21	1:40:A:LEU:H	13	0.39
(3,78)	1:11:A:LEU:HD22	1:40:A:LEU:H	13	0.39
(3,78)	1:11:A:LEU:HD23	1:40:A:LEU:H	13	0.39
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG2	1	0.38
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG3	1	0.38
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB2	9	0.38
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB3	9	0.38
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB2	9	0.38
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB3	9	0.38
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB2	9	0.38
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB3	9	0.38
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB2	17	0.38
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB3	17	0.38
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB2	17	0.38
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB3	17	0.38
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB2	17	0.38
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB3	17	0.38
(3,2003)	1:75:A:ILE:HG21	1:95:A:PRO:HB2	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2003)	1:75:A:ILE:HG21	1:95:A:PRO:HB3	5	0.38
(3,2003)	1:75:A:ILE:HG22	1:95:A:PRO:HB2	5	0.38
(3,2003)	1:75:A:ILE:HG22	1:95:A:PRO:HB3	5	0.38
(3,2003)	1:75:A:ILE:HG23	1:95:A:PRO:HB2	5	0.38
(3,2003)	1:75:A:ILE:HG23	1:95:A:PRO:HB3	5	0.38
(3,1932)	1:57:A:GLN:HG2	1:58:A:THR:HA	5	0.38
(3,1932)	1:57:A:GLN:HG3	1:58:A:THR:HA	5	0.38
(3,1932)	1:57:A:GLN:HG2	1:58:A:THR:HA	14	0.38
(3,1932)	1:57:A:GLN:HG3	1:58:A:THR:HA	14	0.38
(3,1906)	1:50:A:LEU:HB2	1:55:A:ILE:HA	3	0.38
(3,1906)	1:50:A:LEU:HB3	1:55:A:ILE:HA	3	0.38
(3,1817)	1:32:A:ARG:H	1:33:A:HIS:HB2	11	0.38
(3,1817)	1:32:A:ARG:H	1:33:A:HIS:HB3	11	0.38
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG2	3	0.38
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG3	3	0.38
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG2	17	0.38
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG3	17	0.38
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD2	8	0.38
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD3	8	0.38
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG2	3	0.38
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG3	3	0.38
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB2	3	0.38
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB3	3	0.38
(3,1681)	1:140:A:LEU:HD11	1:141:A:TYR:HA	10	0.38
(3,1681)	1:140:A:LEU:HD12	1:141:A:TYR:HA	10	0.38
(3,1681)	1:140:A:LEU:HD13	1:141:A:TYR:HA	10	0.38
(3,1672)	1:105:A:VAL:HG21	1:129:A:VAL:HG11	10	0.38
(3,1672)	1:105:A:VAL:HG21	1:129:A:VAL:HG12	10	0.38
(3,1672)	1:105:A:VAL:HG21	1:129:A:VAL:HG13	10	0.38
(3,1672)	1:105:A:VAL:HG22	1:129:A:VAL:HG11	10	0.38
(3,1672)	1:105:A:VAL:HG22	1:129:A:VAL:HG12	10	0.38
(3,1672)	1:105:A:VAL:HG22	1:129:A:VAL:HG13	10	0.38
(3,1672)	1:105:A:VAL:HG23	1:129:A:VAL:HG11	10	0.38
(3,1672)	1:105:A:VAL:HG23	1:129:A:VAL:HG12	10	0.38
(3,1672)	1:105:A:VAL:HG23	1:129:A:VAL:HG13	10	0.38
(3,1567)	1:70:A:LEU:HD11	1:134:A:THR:HB	9	0.38
(3,1567)	1:70:A:LEU:HD12	1:134:A:THR:HB	9	0.38
(3,1567)	1:70:A:LEU:HD13	1:134:A:THR:HB	9	0.38
(3,1523)	1:30:A:LEU:HG	1:40:A:LEU:HD21	9	0.38
(3,1523)	1:30:A:LEU:HG	1:40:A:LEU:HD22	9	0.38
(3,1523)	1:30:A:LEU:HG	1:40:A:LEU:HD23	9	0.38
(3,1493)	1:107:A:VAL:HG11	1:118:A:LEU:HG	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1493)	1:107:A:VAL:HG12	1:118:A:LEU:HG	5	0.38
(3,1493)	1:107:A:VAL:HG13	1:118:A:LEU:HG	5	0.38
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE1	9	0.38
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE2	9	0.38
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE1	16	0.38
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE2	16	0.38
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE1	16	0.38
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE2	16	0.38
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE1	16	0.38
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE2	16	0.38
(3,1337)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	11	0.38
(3,1337)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	11	0.38
(3,1337)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	11	0.38
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG21	3	0.38
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG22	3	0.38
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG23	3	0.38
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG21	3	0.38
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG22	3	0.38
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG23	3	0.38
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG21	3	0.38
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG22	3	0.38
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG23	3	0.38
(3,1310)	1:55:A:ILE:HG21	1:58:A:THR:HB	2	0.38
(3,1310)	1:55:A:ILE:HG22	1:58:A:THR:HB	2	0.38
(3,1310)	1:55:A:ILE:HG23	1:58:A:THR:HB	2	0.38
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB1	8	0.38
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB2	8	0.38
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB3	8	0.38
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB1	8	0.38
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB2	8	0.38
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB3	8	0.38
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB1	8	0.38
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB2	8	0.38
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB3	8	0.38
(3,1252)	1:150:A:LEU:HD11	1:153:A:PRO:HD2	5	0.38
(3,1252)	1:150:A:LEU:HD12	1:153:A:PRO:HD2	5	0.38
(3,1252)	1:150:A:LEU:HD13	1:153:A:PRO:HD2	5	0.38
(3,1252)	1:150:A:LEU:HD11	1:153:A:PRO:HD3	5	0.38
(3,1252)	1:150:A:LEU:HD12	1:153:A:PRO:HD3	5	0.38
(3,1252)	1:150:A:LEU:HD13	1:153:A:PRO:HD3	5	0.38
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG2	12	0.38
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG3	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG2	12	0.38
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG3	12	0.38
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG2	12	0.38
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG3	12	0.38
(3,1151)	1:116:A:LEU:HG	1:117:A:SER:H	1	0.38
(3,1094)	1:14:A:ALA:HB1	1:58:A:THR:HG21	3	0.38
(3,1094)	1:14:A:ALA:HB1	1:58:A:THR:HG22	3	0.38
(3,1094)	1:14:A:ALA:HB1	1:58:A:THR:HG23	3	0.38
(3,1094)	1:14:A:ALA:HB2	1:58:A:THR:HG21	3	0.38
(3,1094)	1:14:A:ALA:HB2	1:58:A:THR:HG22	3	0.38
(3,1094)	1:14:A:ALA:HB2	1:58:A:THR:HG23	3	0.38
(3,1094)	1:14:A:ALA:HB3	1:58:A:THR:HG21	3	0.38
(3,1094)	1:14:A:ALA:HB3	1:58:A:THR:HG22	3	0.38
(3,1094)	1:14:A:ALA:HB3	1:58:A:THR:HG23	3	0.38
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD21	4	0.38
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD22	4	0.38
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD23	4	0.38
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD21	4	0.38
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD22	4	0.38
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD23	4	0.38
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD21	4	0.38
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD22	4	0.38
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD23	4	0.38
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD21	15	0.38
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD22	15	0.38
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD23	15	0.38
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD21	15	0.38
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD22	15	0.38
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD23	15	0.38
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD21	15	0.38
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD22	15	0.38
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD23	15	0.38
(3,936)	1:11:A:LEU:H	1:13:A:ALA:H	6	0.38
(3,896)	1:83:A:LEU:HD21	1:125:A:THR:H	7	0.38
(3,896)	1:83:A:LEU:HD22	1:125:A:THR:H	7	0.38
(3,896)	1:83:A:LEU:HD23	1:125:A:THR:H	7	0.38
(3,891)	1:121:A:VAL:H	1:123:A:ASP:H	4	0.38
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG21	12	0.38
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG22	12	0.38
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG23	12	0.38
(3,861)	1:99:A:ASP:H	1:106:A:ARG:H	12	0.38
(3,853)	1:93:A:ALA:H	1:139:A:PHE:HD1	16	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,853)	1:93:A:ALA:H	1:139:A:PHE:HD2	16	0.38
(3,821)	1:67:A:LEU:H	1:68:A:VAL:H	3	0.38
(3,808)	1:61:A:ASP:H	1:65:A:ILE:H	20	0.38
(3,710)	1:7:A:GLY:H	1:115:A:THR:HB	19	0.38
(3,682)	1:150:A:LEU:HD21	1:151:A:GLY:H	5	0.38
(3,682)	1:150:A:LEU:HD22	1:151:A:GLY:H	5	0.38
(3,682)	1:150:A:LEU:HD23	1:151:A:GLY:H	5	0.38
(3,668)	1:56:A:ALA:HB1	1:133:A:GLN:HE21	19	0.38
(3,668)	1:56:A:ALA:HB2	1:133:A:GLN:HE21	19	0.38
(3,668)	1:56:A:ALA:HB3	1:133:A:GLN:HE21	19	0.38
(3,651)	1:122:A:GLU:HA	1:126:A:GLY:H	14	0.38
(3,643)	1:33:A:HIS:HA	1:37:A:GLY:H	5	0.38
(3,596)	1:83:A:LEU:HD11	1:89:A:LYS:H	3	0.38
(3,596)	1:83:A:LEU:HD12	1:89:A:LYS:H	3	0.38
(3,596)	1:83:A:LEU:HD13	1:89:A:LYS:H	3	0.38
(3,457)	1:26:A:LEU:HD21	1:27:A:GLN:H	11	0.38
(3,457)	1:26:A:LEU:HD22	1:27:A:GLN:H	11	0.38
(3,457)	1:26:A:LEU:HD23	1:27:A:GLN:H	11	0.38
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG11	8	0.38
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG12	8	0.38
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG13	8	0.38
(3,338)	1:57:A:GLN:H	1:58:A:THR:HB	14	0.38
(3,275)	1:11:A:LEU:HA	1:13:A:ALA:H	12	0.38
(3,145)	1:144:A:ALA:HB1	1:152:A:LEU:H	17	0.38
(3,145)	1:144:A:ALA:HB2	1:152:A:LEU:H	17	0.38
(3,145)	1:144:A:ALA:HB3	1:152:A:LEU:H	17	0.38
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD21	8	0.38
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD22	8	0.38
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD23	8	0.38
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD21	10	0.38
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD22	10	0.38
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD23	10	0.38
(3,92)	1:121:A:VAL:HG21	1:122:A:GLU:H	17	0.38
(3,92)	1:121:A:VAL:HG22	1:122:A:GLU:H	17	0.38
(3,92)	1:121:A:VAL:HG23	1:122:A:GLU:H	17	0.38
(3,33)	1:99:A:ASP:H	1:105:A:VAL:HB	10	0.38
(4,7)	1:107:A:VAL:N	1:130:A:GLU:O	13	0.37
(4,1)	1:103:A:GLY:O	1:128:A:VAL:N	18	0.37
(3,2034)	1:85:A:ALA:H	1:87:A:LYS:HB2	8	0.37
(3,2034)	1:85:A:ALA:H	1:87:A:LYS:HB3	8	0.37
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB2	17	0.37
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB3	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB2	15	0.37
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB3	15	0.37
(3,1907)	1:50:A:LEU:HB2	1:55:A:ILE:HB	8	0.37
(3,1907)	1:50:A:LEU:HB3	1:55:A:ILE:HB	8	0.37
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG2	20	0.37
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG3	20	0.37
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG2	19	0.37
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG3	19	0.37
(3,1671)	1:107:A:VAL:HB	1:129:A:VAL:HG11	4	0.37
(3,1671)	1:107:A:VAL:HB	1:129:A:VAL:HG12	4	0.37
(3,1671)	1:107:A:VAL:HB	1:129:A:VAL:HG13	4	0.37
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD11	2	0.37
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD12	2	0.37
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD13	2	0.37
(3,1493)	1:107:A:VAL:HG11	1:118:A:LEU:HG	20	0.37
(3,1493)	1:107:A:VAL:HG12	1:118:A:LEU:HG	20	0.37
(3,1493)	1:107:A:VAL:HG13	1:118:A:LEU:HG	20	0.37
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD21	16	0.37
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD22	16	0.37
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD23	16	0.37
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD11	7	0.37
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD12	7	0.37
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD13	7	0.37
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG21	18	0.37
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG22	18	0.37
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG23	18	0.37
(3,1318)	1:62:A:ARG:HA	1:62:A:ARG:HD2	16	0.37
(3,1310)	1:55:A:ILE:HG21	1:58:A:THR:HB	17	0.37
(3,1310)	1:55:A:ILE:HG22	1:58:A:THR:HB	17	0.37
(3,1310)	1:55:A:ILE:HG23	1:58:A:THR:HB	17	0.37
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD11	8	0.37
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD12	8	0.37
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD13	8	0.37
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD11	8	0.37
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD12	8	0.37
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD13	8	0.37
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD11	8	0.37
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD12	8	0.37
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD13	8	0.37
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD11	18	0.37
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD12	18	0.37
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD13	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD11	18	0.37
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD12	18	0.37
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD13	18	0.37
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD11	18	0.37
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD12	18	0.37
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD13	18	0.37
(3,936)	1:11:A:LEU:H	1:13:A:ALA:H	18	0.37
(3,872)	1:95:A:PRO:HA	1:107:A:VAL:H	17	0.37
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG21	3	0.37
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG22	3	0.37
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG23	3	0.37
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG21	11	0.37
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG22	11	0.37
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG23	11	0.37
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD11	16	0.37
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD12	16	0.37
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD13	16	0.37
(3,832)	1:80:A:LYS:H	1:82:A:LEU:HG	12	0.37
(3,821)	1:67:A:LEU:H	1:68:A:VAL:H	11	0.37
(3,821)	1:67:A:LEU:H	1:68:A:VAL:H	20	0.37
(3,789)	1:45:A:VAL:H	1:48:A:GLY:H	15	0.37
(3,684)	1:48:A:GLY:H	1:49:A:LEU:HG	19	0.37
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD21	15	0.37
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD22	15	0.37
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD23	15	0.37
(3,596)	1:83:A:LEU:HD11	1:89:A:LYS:H	2	0.37
(3,596)	1:83:A:LEU:HD12	1:89:A:LYS:H	2	0.37
(3,596)	1:83:A:LEU:HD13	1:89:A:LYS:H	2	0.37
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG11	15	0.37
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG12	15	0.37
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG13	15	0.37
(3,356)	1:28:A:ARG:H	1:28:A:ARG:HB3	12	0.37
(3,268)	1:119:A:GLU:HB2	1:120:A:GLU:H	20	0.37
(3,268)	1:119:A:GLU:HB3	1:120:A:GLU:H	20	0.37
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG11	9	0.37
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG12	9	0.37
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG13	9	0.37
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD2	9	0.37
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD3	9	0.37
(3,141)	1:56:A:ALA:HB1	1:59:A:ILE:H	5	0.37
(3,141)	1:56:A:ALA:HB2	1:59:A:ILE:H	5	0.37
(3,141)	1:56:A:ALA:HB3	1:59:A:ILE:H	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,141)	1:56:A:ALA:HB1	1:59:A:ILE:H	11	0.37
(3,141)	1:56:A:ALA:HB2	1:59:A:ILE:H	11	0.37
(3,141)	1:56:A:ALA:HB3	1:59:A:ILE:H	11	0.37
(3,135)	1:116:A:LEU:HG	1:118:A:LEU:H	14	0.37
(3,116)	1:68:A:VAL:H	1:108:A:ALA:HB1	3	0.37
(3,116)	1:68:A:VAL:H	1:108:A:ALA:HB2	3	0.37
(3,116)	1:68:A:VAL:H	1:108:A:ALA:HB3	3	0.37
(3,92)	1:121:A:VAL:HG21	1:122:A:GLU:H	1	0.37
(3,92)	1:121:A:VAL:HG22	1:122:A:GLU:H	1	0.37
(3,92)	1:121:A:VAL:HG23	1:122:A:GLU:H	1	0.37
(3,92)	1:121:A:VAL:HG21	1:122:A:GLU:H	13	0.37
(3,92)	1:121:A:VAL:HG22	1:122:A:GLU:H	13	0.37
(3,92)	1:121:A:VAL:HG23	1:122:A:GLU:H	13	0.37
(3,74)	1:5:A:THR:HG21	1:40:A:LEU:H	9	0.37
(3,74)	1:5:A:THR:HG22	1:40:A:LEU:H	9	0.37
(3,74)	1:5:A:THR:HG23	1:40:A:LEU:H	9	0.37
(3,33)	1:99:A:ASP:H	1:105:A:VAL:HB	9	0.37
(4,21)	1:5:A:THR:N	1:8:A:ASP:OD2	3	0.36
(4,21)	1:5:A:THR:N	1:8:A:ASP:OD2	17	0.36
(3,2158)	1:122:A:GLU:HB2	1:129:A:VAL:H	16	0.36
(3,2158)	1:122:A:GLU:HB3	1:129:A:VAL:H	16	0.36
(3,2073)	1:96:A:PHE:HB2	1:108:A:ALA:H	19	0.36
(3,2073)	1:96:A:PHE:HB3	1:108:A:ALA:H	19	0.36
(3,2056)	1:91:A:LEU:HD11	1:120:A:GLU:HB2	15	0.36
(3,2056)	1:91:A:LEU:HD11	1:120:A:GLU:HB3	15	0.36
(3,2056)	1:91:A:LEU:HD12	1:120:A:GLU:HB2	15	0.36
(3,2056)	1:91:A:LEU:HD12	1:120:A:GLU:HB3	15	0.36
(3,2056)	1:91:A:LEU:HD13	1:120:A:GLU:HB2	15	0.36
(3,2056)	1:91:A:LEU:HD13	1:120:A:GLU:HB3	15	0.36
(3,2034)	1:85:A:ALA:H	1:87:A:LYS:HB2	20	0.36
(3,2034)	1:85:A:ALA:H	1:87:A:LYS:HB3	20	0.36
(3,1950)	1:60:A:GLU:H	1:133:A:GLN:HE21	14	0.36
(3,1950)	1:60:A:GLU:H	1:133:A:GLN:HE22	14	0.36
(3,1932)	1:57:A:GLN:HG2	1:58:A:THR:HA	11	0.36
(3,1932)	1:57:A:GLN:HG3	1:58:A:THR:HA	11	0.36
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB2	6	0.36
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB3	6	0.36
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB2	9	0.36
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB3	9	0.36
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD11	9	0.36
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD12	9	0.36
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD13	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD11	9	0.36
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD12	9	0.36
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD13	9	0.36
(3,1831)	1:32:A:ARG:HD2	1:37:A:GLY:H	14	0.36
(3,1831)	1:32:A:ARG:HD3	1:37:A:GLY:H	14	0.36
(3,1783)	1:21:A:LEU:HB2	1:22:A:THR:HA	10	0.36
(3,1783)	1:21:A:LEU:HB3	1:22:A:THR:HA	10	0.36
(3,1730)	1:9:A:LYS:H	1:9:A:LYS:HG2	13	0.36
(3,1730)	1:9:A:LYS:H	1:9:A:LYS:HG3	13	0.36
(3,1681)	1:140:A:LEU:HD11	1:141:A:TYR:HA	17	0.36
(3,1681)	1:140:A:LEU:HD12	1:141:A:TYR:HA	17	0.36
(3,1681)	1:140:A:LEU:HD13	1:141:A:TYR:HA	17	0.36
(3,1678)	1:118:A:LEU:HA	1:129:A:VAL:HG21	18	0.36
(3,1678)	1:118:A:LEU:HA	1:129:A:VAL:HG22	18	0.36
(3,1678)	1:118:A:LEU:HA	1:129:A:VAL:HG23	18	0.36
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE1	9	0.36
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE2	9	0.36
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE1	9	0.36
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE2	9	0.36
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE1	9	0.36
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE2	9	0.36
(3,1611)	1:104:A:VAL:HG11	1:128:A:VAL:HB	17	0.36
(3,1611)	1:104:A:VAL:HG12	1:128:A:VAL:HB	17	0.36
(3,1611)	1:104:A:VAL:HG13	1:128:A:VAL:HB	17	0.36
(3,1611)	1:104:A:VAL:HG21	1:128:A:VAL:HB	17	0.36
(3,1611)	1:104:A:VAL:HG22	1:128:A:VAL:HB	17	0.36
(3,1611)	1:104:A:VAL:HG23	1:128:A:VAL:HB	17	0.36
(3,1606)	1:98:A:LEU:HD11	1:99:A:ASP:H	1	0.36
(3,1606)	1:98:A:LEU:HD12	1:99:A:ASP:H	1	0.36
(3,1606)	1:98:A:LEU:HD13	1:99:A:ASP:H	1	0.36
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD11	4	0.36
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD12	4	0.36
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD13	4	0.36
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD11	4	0.36
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD12	4	0.36
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD13	4	0.36
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD11	4	0.36
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD12	4	0.36
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD13	4	0.36
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG21	20	0.36
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG22	20	0.36
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG23	20	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG21	16	0.36
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG22	16	0.36
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG23	16	0.36
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG21	16	0.36
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG22	16	0.36
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG23	16	0.36
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG21	16	0.36
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG22	16	0.36
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG23	16	0.36
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB1	7	0.36
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB2	7	0.36
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB3	7	0.36
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB1	7	0.36
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB2	7	0.36
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB3	7	0.36
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB1	7	0.36
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB2	7	0.36
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB3	7	0.36
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE1	1	0.36
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE2	1	0.36
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE1	1	0.36
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE2	1	0.36
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE1	1	0.36
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE2	1	0.36
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG21	1	0.36
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG22	1	0.36
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG23	1	0.36
(3,1310)	1:55:A:ILE:HG21	1:58:A:THR:HB	14	0.36
(3,1310)	1:55:A:ILE:HG22	1:58:A:THR:HB	14	0.36
(3,1310)	1:55:A:ILE:HG23	1:58:A:THR:HB	14	0.36
(3,1310)	1:55:A:ILE:HG21	1:58:A:THR:HB	18	0.36
(3,1310)	1:55:A:ILE:HG22	1:58:A:THR:HB	18	0.36
(3,1310)	1:55:A:ILE:HG23	1:58:A:THR:HB	18	0.36
(3,1282)	1:4:A:LEU:HB2	1:5:A:THR:HB	14	0.36
(3,1282)	1:4:A:LEU:HB3	1:5:A:THR:HB	14	0.36
(3,1233)	1:120:A:GLU:HA	1:123:A:ASP:HB2	2	0.36
(3,1151)	1:116:A:LEU:HG	1:117:A:SER:H	7	0.36
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD11	2	0.36
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD12	2	0.36
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD13	2	0.36
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD11	2	0.36
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD12	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD13	2	0.36
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD11	2	0.36
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD12	2	0.36
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD13	2	0.36
(3,1056)	1:122:A:GLU:HA	1:129:A:VAL:HG11	8	0.36
(3,1056)	1:122:A:GLU:HA	1:129:A:VAL:HG12	8	0.36
(3,1056)	1:122:A:GLU:HA	1:129:A:VAL:HG13	8	0.36
(3,978)	1:32:A:ARG:H	1:34:A:ARG:HB2	6	0.36
(3,978)	1:32:A:ARG:H	1:34:A:ARG:HB3	6	0.36
(3,952)	1:70:A:LEU:HD21	1:73:A:VAL:H	11	0.36
(3,952)	1:70:A:LEU:HD22	1:73:A:VAL:H	11	0.36
(3,952)	1:70:A:LEU:HD23	1:73:A:VAL:H	11	0.36
(3,891)	1:121:A:VAL:H	1:123:A:ASP:H	8	0.36
(3,889)	1:118:A:LEU:HG	1:121:A:VAL:H	8	0.36
(3,851)	1:89:A:LYS:HA	1:93:A:ALA:H	18	0.36
(3,848)	1:92:A:LYS:H	1:139:A:PHE:HE1	16	0.36
(3,848)	1:92:A:LYS:H	1:139:A:PHE:HE2	16	0.36
(3,821)	1:67:A:LEU:H	1:68:A:VAL:H	9	0.36
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB2	6	0.36
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB3	6	0.36
(3,763)	1:32:A:ARG:H	1:35:A:GLU:H	3	0.36
(3,763)	1:32:A:ARG:H	1:35:A:GLU:H	4	0.36
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD21	3	0.36
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD22	3	0.36
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD23	3	0.36
(3,752)	1:23:A:ASP:HB2	1:27:A:GLN:H	14	0.36
(3,752)	1:23:A:ASP:HB3	1:27:A:GLN:H	14	0.36
(3,744)	1:45:A:VAL:HG11	1:52:A:GLU:H	6	0.36
(3,744)	1:45:A:VAL:HG12	1:52:A:GLU:H	6	0.36
(3,744)	1:45:A:VAL:HG13	1:52:A:GLU:H	6	0.36
(3,655)	1:22:A:THR:H	1:25:A:GLU:HA	20	0.36
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD21	6	0.36
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD22	6	0.36
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD23	6	0.36
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD21	9	0.36
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD22	9	0.36
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD23	9	0.36
(3,625)	1:110:A:LEU:HG	1:135:A:THR:H	6	0.36
(3,550)	1:145:A:LYS:H	1:145:A:LYS:HE2	14	0.36
(3,550)	1:145:A:LYS:H	1:145:A:LYS:HE3	14	0.36
(3,469)	1:83:A:LEU:HD11	1:87:A:LYS:H	5	0.36
(3,469)	1:83:A:LEU:HD12	1:87:A:LYS:H	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,469)	1:83:A:LEU:HD13	1:87:A:LYS:H	5	0.36
(3,457)	1:26:A:LEU:HD21	1:27:A:GLN:H	18	0.36
(3,457)	1:26:A:LEU:HD22	1:27:A:GLN:H	18	0.36
(3,457)	1:26:A:LEU:HD23	1:27:A:GLN:H	18	0.36
(3,457)	1:26:A:LEU:HD21	1:27:A:GLN:H	19	0.36
(3,457)	1:26:A:LEU:HD22	1:27:A:GLN:H	19	0.36
(3,457)	1:26:A:LEU:HD23	1:27:A:GLN:H	19	0.36
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD21	7	0.36
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD22	7	0.36
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD23	7	0.36
(3,413)	1:107:A:VAL:HB	1:132:A:TYR:H	8	0.36
(3,361)	1:140:A:LEU:HD11	1:141:A:TYR:H	4	0.36
(3,361)	1:140:A:LEU:HD12	1:141:A:TYR:H	4	0.36
(3,361)	1:140:A:LEU:HD13	1:141:A:TYR:H	4	0.36
(3,361)	1:140:A:LEU:HD11	1:141:A:TYR:H	9	0.36
(3,361)	1:140:A:LEU:HD12	1:141:A:TYR:H	9	0.36
(3,361)	1:140:A:LEU:HD13	1:141:A:TYR:H	9	0.36
(3,298)	1:6:A:ILE:HG21	1:115:A:THR:H	14	0.36
(3,298)	1:6:A:ILE:HG22	1:115:A:THR:H	14	0.36
(3,298)	1:6:A:ILE:HG23	1:115:A:THR:H	14	0.36
(3,275)	1:11:A:LEU:HA	1:13:A:ALA:H	18	0.36
(3,275)	1:11:A:LEU:HA	1:13:A:ALA:H	20	0.36
(3,268)	1:119:A:GLU:HB2	1:120:A:GLU:H	10	0.36
(3,268)	1:119:A:GLU:HB3	1:120:A:GLU:H	10	0.36
(3,268)	1:119:A:GLU:HB2	1:120:A:GLU:H	17	0.36
(3,268)	1:119:A:GLU:HB3	1:120:A:GLU:H	17	0.36
(3,211)	1:121:A:VAL:HG21	1:123:A:ASP:H	7	0.36
(3,211)	1:121:A:VAL:HG22	1:123:A:ASP:H	7	0.36
(3,211)	1:121:A:VAL:HG23	1:123:A:ASP:H	7	0.36
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD21	9	0.36
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD22	9	0.36
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD23	9	0.36
(3,143)	1:55:A:ILE:HG21	1:59:A:ILE:H	5	0.36
(3,143)	1:55:A:ILE:HG22	1:59:A:ILE:H	5	0.36
(3,143)	1:55:A:ILE:HG23	1:59:A:ILE:H	5	0.36
(3,143)	1:55:A:ILE:HG21	1:59:A:ILE:H	8	0.36
(3,143)	1:55:A:ILE:HG22	1:59:A:ILE:H	8	0.36
(3,143)	1:55:A:ILE:HG23	1:59:A:ILE:H	8	0.36
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD21	4	0.36
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD22	4	0.36
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD23	4	0.36
(3,78)	1:11:A:LEU:HD21	1:40:A:LEU:H	20	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,78)	1:11:A:LEU:HD22	1:40:A:LEU:H	20	0.36
(3,78)	1:11:A:LEU:HD23	1:40:A:LEU:H	20	0.36
(3,67)	1:98:A:LEU:HG	1:100:A:GLU:H	19	0.36
(4,14)	1:109:A:PHE:O	1:134:A:THR:H	20	0.35
(4,8)	1:107:A:VAL:H	1:130:A:GLU:O	13	0.35
(3,2027)	1:84:A:PRO:HB2	1:87:A:LYS:H	19	0.35
(3,2027)	1:84:A:PRO:HB3	1:87:A:LYS:H	19	0.35
(3,1932)	1:57:A:GLN:HG2	1:58:A:THR:HA	16	0.35
(3,1932)	1:57:A:GLN:HG3	1:58:A:THR:HA	16	0.35
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB2	4	0.35
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB3	4	0.35
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB2	7	0.35
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB3	7	0.35
(3,1917)	1:53:A:ARG:HA	1:53:A:ARG:HD2	16	0.35
(3,1917)	1:53:A:ARG:HA	1:53:A:ARG:HD3	16	0.35
(3,1871)	1:44:A:LEU:HB2	1:49:A:LEU:H	6	0.35
(3,1871)	1:44:A:LEU:HB3	1:49:A:LEU:H	6	0.35
(3,1851)	1:39:A:SER:H	1:111:A:ASN:HD21	4	0.35
(3,1851)	1:39:A:SER:H	1:111:A:ASN:HD22	4	0.35
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG2	13	0.35
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG3	13	0.35
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	13	0.35
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB3	13	0.35
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	13	0.35
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB3	13	0.35
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	13	0.35
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB3	13	0.35
(3,1715)	1:7:A:GLY:HA2	1:12:A:GLY:H	19	0.35
(3,1715)	1:7:A:GLY:HA3	1:12:A:GLY:H	19	0.35
(3,1715)	1:7:A:GLY:HA2	1:12:A:GLY:H	20	0.35
(3,1715)	1:7:A:GLY:HA3	1:12:A:GLY:H	20	0.35
(3,1672)	1:105:A:VAL:HG21	1:129:A:VAL:HG11	4	0.35
(3,1672)	1:105:A:VAL:HG21	1:129:A:VAL:HG12	4	0.35
(3,1672)	1:105:A:VAL:HG21	1:129:A:VAL:HG13	4	0.35
(3,1672)	1:105:A:VAL:HG22	1:129:A:VAL:HG11	4	0.35
(3,1672)	1:105:A:VAL:HG22	1:129:A:VAL:HG12	4	0.35
(3,1672)	1:105:A:VAL:HG22	1:129:A:VAL:HG13	4	0.35
(3,1672)	1:105:A:VAL:HG23	1:129:A:VAL:HG11	4	0.35
(3,1672)	1:105:A:VAL:HG23	1:129:A:VAL:HG12	4	0.35
(3,1672)	1:105:A:VAL:HG23	1:129:A:VAL:HG13	4	0.35
(3,1672)	1:105:A:VAL:HG21	1:129:A:VAL:HG11	5	0.35
(3,1672)	1:105:A:VAL:HG21	1:129:A:VAL:HG12	5	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1672)	1:105:A:VAL:HG21	1:129:A:VAL:HG13	5	0.35
(3,1672)	1:105:A:VAL:HG22	1:129:A:VAL:HG11	5	0.35
(3,1672)	1:105:A:VAL:HG22	1:129:A:VAL:HG12	5	0.35
(3,1672)	1:105:A:VAL:HG22	1:129:A:VAL:HG13	5	0.35
(3,1672)	1:105:A:VAL:HG23	1:129:A:VAL:HG11	5	0.35
(3,1672)	1:105:A:VAL:HG23	1:129:A:VAL:HG12	5	0.35
(3,1672)	1:105:A:VAL:HG23	1:129:A:VAL:HG13	5	0.35
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD11	14	0.35
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD12	14	0.35
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD13	14	0.35
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD11	1	0.35
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD12	1	0.35
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD13	1	0.35
(3,1519)	1:30:A:LEU:HG	1:40:A:LEU:HD11	7	0.35
(3,1519)	1:30:A:LEU:HG	1:40:A:LEU:HD12	7	0.35
(3,1519)	1:30:A:LEU:HG	1:40:A:LEU:HD13	7	0.35
(3,1519)	1:30:A:LEU:HG	1:40:A:LEU:HD11	14	0.35
(3,1519)	1:30:A:LEU:HG	1:40:A:LEU:HD12	14	0.35
(3,1519)	1:30:A:LEU:HG	1:40:A:LEU:HD13	14	0.35
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG21	1	0.35
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG22	1	0.35
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG23	1	0.35
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG21	1	0.35
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG22	1	0.35
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG23	1	0.35
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG21	1	0.35
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG22	1	0.35
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG23	1	0.35
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE1	19	0.35
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE2	19	0.35
(3,1337)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	16	0.35
(3,1337)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	16	0.35
(3,1337)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	16	0.35
(3,1310)	1:55:A:ILE:HG21	1:58:A:THR:HB	6	0.35
(3,1310)	1:55:A:ILE:HG22	1:58:A:THR:HB	6	0.35
(3,1310)	1:55:A:ILE:HG23	1:58:A:THR:HB	6	0.35
(3,1282)	1:4:A:LEU:HB2	1:5:A:THR:HB	18	0.35
(3,1282)	1:4:A:LEU:HB3	1:5:A:THR:HB	18	0.35
(3,1233)	1:120:A:GLU:HA	1:123:A:ASP:HB2	3	0.35
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG2	1	0.35
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG3	1	0.35
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG2	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG3	1	0.35
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG2	1	0.35
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG3	1	0.35
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG2	7	0.35
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG3	7	0.35
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG2	7	0.35
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG3	7	0.35
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG2	7	0.35
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG3	7	0.35
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD11	2	0.35
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD12	2	0.35
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD13	2	0.35
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD11	2	0.35
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD12	2	0.35
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD13	2	0.35
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD11	2	0.35
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD12	2	0.35
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD13	2	0.35
(3,1151)	1:116:A:LEU:HG	1:117:A:SER:H	17	0.35
(3,1056)	1:122:A:GLU:HA	1:129:A:VAL:HG11	11	0.35
(3,1056)	1:122:A:GLU:HA	1:129:A:VAL:HG12	11	0.35
(3,1056)	1:122:A:GLU:HA	1:129:A:VAL:HG13	11	0.35
(3,1042)	1:18:A:ALA:HB1	1:20:A:LEU:HD21	13	0.35
(3,1042)	1:18:A:ALA:HB1	1:20:A:LEU:HD22	13	0.35
(3,1042)	1:18:A:ALA:HB1	1:20:A:LEU:HD23	13	0.35
(3,1042)	1:18:A:ALA:HB2	1:20:A:LEU:HD21	13	0.35
(3,1042)	1:18:A:ALA:HB2	1:20:A:LEU:HD22	13	0.35
(3,1042)	1:18:A:ALA:HB2	1:20:A:LEU:HD23	13	0.35
(3,1042)	1:18:A:ALA:HB3	1:20:A:LEU:HD21	13	0.35
(3,1042)	1:18:A:ALA:HB3	1:20:A:LEU:HD22	13	0.35
(3,1042)	1:18:A:ALA:HB3	1:20:A:LEU:HD23	13	0.35
(3,897)	1:105:A:VAL:HG21	1:125:A:THR:H	3	0.35
(3,897)	1:105:A:VAL:HG22	1:125:A:THR:H	3	0.35
(3,897)	1:105:A:VAL:HG23	1:125:A:THR:H	3	0.35
(3,891)	1:121:A:VAL:H	1:123:A:ASP:H	13	0.35
(3,883)	1:6:A:ILE:HG21	1:116:A:LEU:H	7	0.35
(3,883)	1:6:A:ILE:HG22	1:116:A:LEU:H	7	0.35
(3,883)	1:6:A:ILE:HG23	1:116:A:LEU:H	7	0.35
(3,858)	1:95:A:PRO:HA	1:97:A:ALA:H	13	0.35
(3,858)	1:95:A:PRO:HA	1:97:A:ALA:H	20	0.35
(3,832)	1:80:A:LYS:H	1:82:A:LEU:HG	3	0.35
(3,731)	1:18:A:ALA:H	1:20:A:LEU:HG	3	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,710)	1:7:A:GLY:H	1:115:A:THR:HB	4	0.35
(3,700)	1:124:A:LEU:HD11	1:125:A:THR:H	12	0.35
(3,700)	1:124:A:LEU:HD12	1:125:A:THR:H	12	0.35
(3,700)	1:124:A:LEU:HD13	1:125:A:THR:H	12	0.35
(3,699)	1:124:A:LEU:HD21	1:125:A:THR:H	1	0.35
(3,699)	1:124:A:LEU:HD22	1:125:A:THR:H	1	0.35
(3,699)	1:124:A:LEU:HD23	1:125:A:THR:H	1	0.35
(3,699)	1:124:A:LEU:HD21	1:125:A:THR:H	16	0.35
(3,699)	1:124:A:LEU:HD22	1:125:A:THR:H	16	0.35
(3,699)	1:124:A:LEU:HD23	1:125:A:THR:H	16	0.35
(3,651)	1:122:A:GLU:HA	1:126:A:GLY:H	1	0.35
(3,518)	1:94:A:ILE:H	1:94:A:ILE:HG12	11	0.35
(3,404)	1:118:A:LEU:HD11	1:132:A:TYR:H	9	0.35
(3,404)	1:118:A:LEU:HD12	1:132:A:TYR:H	9	0.35
(3,404)	1:118:A:LEU:HD13	1:132:A:TYR:H	9	0.35
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG11	3	0.35
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG12	3	0.35
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG13	3	0.35
(3,268)	1:119:A:GLU:HB2	1:120:A:GLU:H	13	0.35
(3,268)	1:119:A:GLU:HB3	1:120:A:GLU:H	13	0.35
(3,257)	1:59:A:ILE:HG21	1:65:A:ILE:H	13	0.35
(3,257)	1:59:A:ILE:HG22	1:65:A:ILE:H	13	0.35
(3,257)	1:59:A:ILE:HG23	1:65:A:ILE:H	13	0.35
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG11	15	0.35
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG12	15	0.35
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG13	15	0.35
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD11	6	0.35
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD12	6	0.35
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD13	6	0.35
(3,33)	1:99:A:ASP:H	1:105:A:VAL:HB	14	0.35
(4,14)	1:109:A:PHE:O	1:134:A:THR:H	16	0.34
(4,1)	1:103:A:GLY:O	1:128:A:VAL:N	7	0.34
(3,2163)	1:122:A:GLU:HG2	1:129:A:VAL:HG11	2	0.34
(3,2163)	1:122:A:GLU:HG2	1:129:A:VAL:HG12	2	0.34
(3,2163)	1:122:A:GLU:HG2	1:129:A:VAL:HG13	2	0.34
(3,2163)	1:122:A:GLU:HG3	1:129:A:VAL:HG11	2	0.34
(3,2163)	1:122:A:GLU:HG3	1:129:A:VAL:HG12	2	0.34
(3,2163)	1:122:A:GLU:HG3	1:129:A:VAL:HG13	2	0.34
(3,2163)	1:122:A:GLU:HG2	1:129:A:VAL:HG11	15	0.34
(3,2163)	1:122:A:GLU:HG2	1:129:A:VAL:HG12	15	0.34
(3,2163)	1:122:A:GLU:HG2	1:129:A:VAL:HG13	15	0.34
(3,2163)	1:122:A:GLU:HG3	1:129:A:VAL:HG11	15	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2163)	1:122:A:GLU:HG3	1:129:A:VAL:HG12	15	0.34
(3,2163)	1:122:A:GLU:HG3	1:129:A:VAL:HG13	15	0.34
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB2	4	0.34
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB3	4	0.34
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB2	4	0.34
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB3	4	0.34
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB2	4	0.34
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB3	4	0.34
(3,2066)	1:93:A:ALA:H	1:94:A:ILE:HG12	11	0.34
(3,2066)	1:93:A:ALA:H	1:94:A:ILE:HG13	11	0.34
(3,2027)	1:84:A:PRO:HB2	1:87:A:LYS:H	4	0.34
(3,2027)	1:84:A:PRO:HB3	1:87:A:LYS:H	4	0.34
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB2	3	0.34
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB3	3	0.34
(3,1990)	1:70:A:LEU:HB2	1:134:A:THR:HA	19	0.34
(3,1990)	1:70:A:LEU:HB3	1:134:A:THR:HA	19	0.34
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	19	0.34
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE22	19	0.34
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	19	0.34
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE22	19	0.34
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	19	0.34
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE22	19	0.34
(3,1932)	1:57:A:GLN:HG2	1:58:A:THR:HA	7	0.34
(3,1932)	1:57:A:GLN:HG3	1:58:A:THR:HA	7	0.34
(3,1846)	1:36:A:VAL:HG21	1:37:A:GLY:HA2	11	0.34
(3,1846)	1:36:A:VAL:HG21	1:37:A:GLY:HA3	11	0.34
(3,1846)	1:36:A:VAL:HG22	1:37:A:GLY:HA2	11	0.34
(3,1846)	1:36:A:VAL:HG22	1:37:A:GLY:HA3	11	0.34
(3,1846)	1:36:A:VAL:HG23	1:37:A:GLY:HA2	11	0.34
(3,1846)	1:36:A:VAL:HG23	1:37:A:GLY:HA3	11	0.34
(3,1831)	1:32:A:ARG:HD2	1:37:A:GLY:H	1	0.34
(3,1831)	1:32:A:ARG:HD3	1:37:A:GLY:H	1	0.34
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB2	16	0.34
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB3	16	0.34
(3,1777)	1:19:A:GLY:HA2	1:21:A:LEU:HA	12	0.34
(3,1777)	1:19:A:GLY:HA3	1:21:A:LEU:HA	12	0.34
(3,1681)	1:140:A:LEU:HD11	1:141:A:TYR:HA	7	0.34
(3,1681)	1:140:A:LEU:HD12	1:141:A:TYR:HA	7	0.34
(3,1681)	1:140:A:LEU:HD13	1:141:A:TYR:HA	7	0.34
(3,1562)	1:68:A:VAL:HG21	1:132:A:TYR:HE1	2	0.34
(3,1562)	1:68:A:VAL:HG21	1:132:A:TYR:HE2	2	0.34
(3,1562)	1:68:A:VAL:HG22	1:132:A:TYR:HE1	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1562)	1:68:A:VAL:HG22	1:132:A:TYR:HE2	2	0.34
(3,1562)	1:68:A:VAL:HG23	1:132:A:TYR:HE1	2	0.34
(3,1562)	1:68:A:VAL:HG23	1:132:A:TYR:HE2	2	0.34
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG21	4	0.34
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG22	4	0.34
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG23	4	0.34
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG21	4	0.34
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG22	4	0.34
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG23	4	0.34
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG21	4	0.34
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG22	4	0.34
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG23	4	0.34
(3,1426)	1:82:A:LEU:HD21	1:125:A:THR:HG21	19	0.34
(3,1426)	1:82:A:LEU:HD21	1:125:A:THR:HG22	19	0.34
(3,1426)	1:82:A:LEU:HD21	1:125:A:THR:HG23	19	0.34
(3,1426)	1:82:A:LEU:HD22	1:125:A:THR:HG21	19	0.34
(3,1426)	1:82:A:LEU:HD22	1:125:A:THR:HG22	19	0.34
(3,1426)	1:82:A:LEU:HD22	1:125:A:THR:HG23	19	0.34
(3,1426)	1:82:A:LEU:HD23	1:125:A:THR:HG21	19	0.34
(3,1426)	1:82:A:LEU:HD23	1:125:A:THR:HG22	19	0.34
(3,1426)	1:82:A:LEU:HD23	1:125:A:THR:HG23	19	0.34
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG21	12	0.34
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG22	12	0.34
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG23	12	0.34
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE1	5	0.34
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE2	5	0.34
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE1	4	0.34
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE2	4	0.34
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE1	4	0.34
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE2	4	0.34
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE1	4	0.34
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE2	4	0.34
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE1	14	0.34
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE2	14	0.34
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE1	14	0.34
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE2	14	0.34
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE1	14	0.34
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE2	14	0.34
(3,1293)	1:43:A:VAL:HG21	1:44:A:LEU:HA	4	0.34
(3,1293)	1:43:A:VAL:HG22	1:44:A:LEU:HA	4	0.34
(3,1293)	1:43:A:VAL:HG23	1:44:A:LEU:HA	4	0.34
(3,1282)	1:4:A:LEU:HB2	1:5:A:THR:HB	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1282)	1:4:A:LEU:HB3	1:5:A:THR:HB	9	0.34
(3,1258)	1:68:A:VAL:HG21	1:134:A:THR:HB	8	0.34
(3,1258)	1:68:A:VAL:HG22	1:134:A:THR:HB	8	0.34
(3,1258)	1:68:A:VAL:HG23	1:134:A:THR:HB	8	0.34
(3,1151)	1:116:A:LEU:HG	1:117:A:SER:H	12	0.34
(3,1110)	1:65:A:ILE:HG21	1:132:A:TYR:HA	13	0.34
(3,1110)	1:65:A:ILE:HG22	1:132:A:TYR:HA	13	0.34
(3,1110)	1:65:A:ILE:HG23	1:132:A:TYR:HA	13	0.34
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD11	8	0.34
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD12	8	0.34
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD13	8	0.34
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD11	8	0.34
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD12	8	0.34
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD13	8	0.34
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD11	8	0.34
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD12	8	0.34
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD13	8	0.34
(3,1054)	1:31:A:GLU:HA	1:34:A:ARG:H	15	0.34
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD21	10	0.34
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD22	10	0.34
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD23	10	0.34
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD21	10	0.34
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD22	10	0.34
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD23	10	0.34
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD21	10	0.34
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD22	10	0.34
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD23	10	0.34
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG21	11	0.34
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG22	11	0.34
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG23	11	0.34
(3,973)	1:30:A:LEU:H	1:33:A:HIS:H	10	0.34
(3,952)	1:70:A:LEU:HD21	1:73:A:VAL:H	4	0.34
(3,952)	1:70:A:LEU:HD22	1:73:A:VAL:H	4	0.34
(3,952)	1:70:A:LEU:HD23	1:73:A:VAL:H	4	0.34
(3,891)	1:121:A:VAL:H	1:123:A:ASP:H	17	0.34
(3,832)	1:80:A:LYS:H	1:82:A:LEU:HG	18	0.34
(3,821)	1:67:A:LEU:H	1:68:A:VAL:H	8	0.34
(3,808)	1:61:A:ASP:H	1:65:A:ILE:H	18	0.34
(3,712)	1:4:A:LEU:HD11	1:8:A:ASP:H	9	0.34
(3,712)	1:4:A:LEU:HD12	1:8:A:ASP:H	9	0.34
(3,712)	1:4:A:LEU:HD13	1:8:A:ASP:H	9	0.34
(3,701)	1:122:A:GLU:HA	1:125:A:THR:H	15	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD21	2	0.34
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD22	2	0.34
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD23	2	0.34
(3,628)	1:109:A:PHE:HB3	1:111:A:ASN:H	5	0.34
(3,518)	1:94:A:ILE:H	1:94:A:ILE:HG12	16	0.34
(3,518)	1:94:A:ILE:H	1:94:A:ILE:HG12	19	0.34
(3,500)	1:85:A:ALA:HB1	1:147:A:TYR:H	11	0.34
(3,500)	1:85:A:ALA:HB2	1:147:A:TYR:H	11	0.34
(3,500)	1:85:A:ALA:HB3	1:147:A:TYR:H	11	0.34
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD11	19	0.34
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD12	19	0.34
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD13	19	0.34
(3,451)	1:15:A:LEU:H	1:15:A:LEU:HD21	20	0.34
(3,451)	1:15:A:LEU:H	1:15:A:LEU:HD22	20	0.34
(3,451)	1:15:A:LEU:H	1:15:A:LEU:HD23	20	0.34
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD21	6	0.34
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD22	6	0.34
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD23	6	0.34
(3,425)	1:132:A:TYR:HE1	1:133:A:GLN:H	16	0.34
(3,425)	1:132:A:TYR:HE2	1:133:A:GLN:H	16	0.34
(3,425)	1:132:A:TYR:HE1	1:133:A:GLN:H	18	0.34
(3,425)	1:132:A:TYR:HE2	1:133:A:GLN:H	18	0.34
(3,404)	1:118:A:LEU:HD11	1:132:A:TYR:H	16	0.34
(3,404)	1:118:A:LEU:HD12	1:132:A:TYR:H	16	0.34
(3,404)	1:118:A:LEU:HD13	1:132:A:TYR:H	16	0.34
(3,404)	1:118:A:LEU:HD11	1:132:A:TYR:H	18	0.34
(3,404)	1:118:A:LEU:HD12	1:132:A:TYR:H	18	0.34
(3,404)	1:118:A:LEU:HD13	1:132:A:TYR:H	18	0.34
(3,385)	1:75:A:ILE:HG21	1:80:A:LYS:H	6	0.34
(3,385)	1:75:A:ILE:HG22	1:80:A:LYS:H	6	0.34
(3,385)	1:75:A:ILE:HG23	1:80:A:LYS:H	6	0.34
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG11	17	0.34
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG12	17	0.34
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG13	17	0.34
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD21	3	0.34
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD22	3	0.34
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD23	3	0.34
(3,273)	1:150:A:LEU:H	1:150:A:LEU:HD11	4	0.34
(3,273)	1:150:A:LEU:H	1:150:A:LEU:HD12	4	0.34
(3,273)	1:150:A:LEU:H	1:150:A:LEU:HD13	4	0.34
(3,233)	1:28:A:ARG:HA	1:32:A:ARG:H	13	0.34
(3,214)	1:109:A:PHE:H	1:134:A:THR:HB	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,211)	1:121:A:VAL:HG21	1:123:A:ASP:H	13	0.34
(3,211)	1:121:A:VAL:HG22	1:123:A:ASP:H	13	0.34
(3,211)	1:121:A:VAL:HG23	1:123:A:ASP:H	13	0.34
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD21	2	0.34
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD22	2	0.34
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD23	2	0.34
(3,141)	1:56:A:ALA:HB1	1:59:A:ILE:H	9	0.34
(3,141)	1:56:A:ALA:HB2	1:59:A:ILE:H	9	0.34
(3,141)	1:56:A:ALA:HB3	1:59:A:ILE:H	9	0.34
(3,116)	1:68:A:VAL:H	1:108:A:ALA:HB1	6	0.34
(3,116)	1:68:A:VAL:H	1:108:A:ALA:HB2	6	0.34
(3,116)	1:68:A:VAL:H	1:108:A:ALA:HB3	6	0.34
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE1	7	0.34
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE2	7	0.34
(3,34)	1:99:A:ASP:H	1:104:A:VAL:HB	19	0.34
(3,33)	1:99:A:ASP:H	1:105:A:VAL:HB	20	0.34
(4,13)	1:109:A:PHE:O	1:134:A:THR:N	12	0.33
(4,2)	1:103:A:GLY:O	1:128:A:VAL:H	7	0.33
(3,2214)	1:150:A:LEU:HB2	1:152:A:LEU:H	20	0.33
(3,2214)	1:150:A:LEU:HB3	1:152:A:LEU:H	20	0.33
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG21	18	0.33
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG22	18	0.33
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG23	18	0.33
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG21	18	0.33
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG22	18	0.33
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG23	18	0.33
(3,2146)	1:120:A:GLU:HA	1:123:A:ASP:HB2	12	0.33
(3,2146)	1:120:A:GLU:HA	1:123:A:ASP:HB3	12	0.33
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG21	19	0.33
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG22	19	0.33
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG23	19	0.33
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG21	19	0.33
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG22	19	0.33
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG23	19	0.33
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB2	16	0.33
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB3	16	0.33
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB2	20	0.33
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB3	20	0.33
(3,2027)	1:84:A:PRO:HB2	1:87:A:LYS:H	8	0.33
(3,2027)	1:84:A:PRO:HB3	1:87:A:LYS:H	8	0.33
(3,1932)	1:57:A:GLN:HG2	1:58:A:THR:HA	6	0.33
(3,1932)	1:57:A:GLN:HG3	1:58:A:THR:HA	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1928)	1:57:A:GLN:HB2	1:58:A:THR:HG21	10	0.33
(3,1928)	1:57:A:GLN:HB2	1:58:A:THR:HG22	10	0.33
(3,1928)	1:57:A:GLN:HB2	1:58:A:THR:HG23	10	0.33
(3,1928)	1:57:A:GLN:HB3	1:58:A:THR:HG21	10	0.33
(3,1928)	1:57:A:GLN:HB3	1:58:A:THR:HG22	10	0.33
(3,1928)	1:57:A:GLN:HB3	1:58:A:THR:HG23	10	0.33
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB2	2	0.33
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB3	2	0.33
(3,1914)	1:51:A:SER:HB2	1:53:A:ARG:HA	10	0.33
(3,1914)	1:51:A:SER:HB3	1:53:A:ARG:HA	10	0.33
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE21	7	0.33
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE22	7	0.33
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE21	7	0.33
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE22	7	0.33
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE21	7	0.33
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE22	7	0.33
(3,1783)	1:21:A:LEU:HB2	1:22:A:THR:HA	8	0.33
(3,1783)	1:21:A:LEU:HB3	1:22:A:THR:HA	8	0.33
(3,1783)	1:21:A:LEU:HB2	1:22:A:THR:HA	15	0.33
(3,1783)	1:21:A:LEU:HB3	1:22:A:THR:HA	15	0.33
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG2	10	0.33
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG3	10	0.33
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG2	10	0.33
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG3	10	0.33
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG2	10	0.33
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG3	10	0.33
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG2	8	0.33
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG3	8	0.33
(3,1681)	1:140:A:LEU:HD11	1:141:A:TYR:HA	5	0.33
(3,1681)	1:140:A:LEU:HD12	1:141:A:TYR:HA	5	0.33
(3,1681)	1:140:A:LEU:HD13	1:141:A:TYR:HA	5	0.33
(3,1681)	1:140:A:LEU:HD11	1:141:A:TYR:HA	14	0.33
(3,1681)	1:140:A:LEU:HD12	1:141:A:TYR:HA	14	0.33
(3,1681)	1:140:A:LEU:HD13	1:141:A:TYR:HA	14	0.33
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD21	18	0.33
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD22	18	0.33
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD23	18	0.33
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD21	18	0.33
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD22	18	0.33
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD23	18	0.33
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE1	14	0.33
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE2	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE1	14	0.33
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE2	14	0.33
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE1	14	0.33
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE2	14	0.33
(3,1611)	1:104:A:VAL:HG11	1:128:A:VAL:HB	12	0.33
(3,1611)	1:104:A:VAL:HG12	1:128:A:VAL:HB	12	0.33
(3,1611)	1:104:A:VAL:HG13	1:128:A:VAL:HB	12	0.33
(3,1611)	1:104:A:VAL:HG21	1:128:A:VAL:HB	12	0.33
(3,1611)	1:104:A:VAL:HG22	1:128:A:VAL:HB	12	0.33
(3,1611)	1:104:A:VAL:HG23	1:128:A:VAL:HB	12	0.33
(3,1570)	1:70:A:LEU:HD21	1:139:A:PHE:HA	5	0.33
(3,1570)	1:70:A:LEU:HD22	1:139:A:PHE:HA	5	0.33
(3,1570)	1:70:A:LEU:HD23	1:139:A:PHE:HA	5	0.33
(3,1562)	1:68:A:VAL:HG21	1:132:A:TYR:HE1	11	0.33
(3,1562)	1:68:A:VAL:HG21	1:132:A:TYR:HE2	11	0.33
(3,1562)	1:68:A:VAL:HG22	1:132:A:TYR:HE1	11	0.33
(3,1562)	1:68:A:VAL:HG22	1:132:A:TYR:HE2	11	0.33
(3,1562)	1:68:A:VAL:HG23	1:132:A:TYR:HE1	11	0.33
(3,1562)	1:68:A:VAL:HG23	1:132:A:TYR:HE2	11	0.33
(3,1515)	1:32:A:ARG:HA	1:36:A:VAL:HG11	3	0.33
(3,1515)	1:32:A:ARG:HA	1:36:A:VAL:HG12	3	0.33
(3,1515)	1:32:A:ARG:HA	1:36:A:VAL:HG13	3	0.33
(3,1515)	1:32:A:ARG:HA	1:36:A:VAL:HG11	17	0.33
(3,1515)	1:32:A:ARG:HA	1:36:A:VAL:HG12	17	0.33
(3,1515)	1:32:A:ARG:HA	1:36:A:VAL:HG13	17	0.33
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD11	14	0.33
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD12	14	0.33
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD13	14	0.33
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD11	14	0.33
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD12	14	0.33
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD13	14	0.33
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD11	14	0.33
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD12	14	0.33
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD13	14	0.33
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG21	8	0.33
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG22	8	0.33
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG23	8	0.33
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG21	8	0.33
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG22	8	0.33
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG23	8	0.33
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG21	8	0.33
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG22	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG23	8	0.33
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG21	19	0.33
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG22	19	0.33
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG23	19	0.33
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE1	15	0.33
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE2	15	0.33
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE1	15	0.33
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE2	15	0.33
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE1	15	0.33
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE2	15	0.33
(3,1320)	1:6:A:ILE:HG21	1:115:A:THR:HB	3	0.33
(3,1320)	1:6:A:ILE:HG22	1:115:A:THR:HB	3	0.33
(3,1320)	1:6:A:ILE:HG23	1:115:A:THR:HB	3	0.33
(3,1320)	1:6:A:ILE:HG21	1:115:A:THR:HB	19	0.33
(3,1320)	1:6:A:ILE:HG22	1:115:A:THR:HB	19	0.33
(3,1320)	1:6:A:ILE:HG23	1:115:A:THR:HB	19	0.33
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG21	12	0.33
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG22	12	0.33
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG23	12	0.33
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG21	12	0.33
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG22	12	0.33
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG23	12	0.33
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG21	12	0.33
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG22	12	0.33
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG23	12	0.33
(3,1315)	1:59:A:ILE:HG21	1:65:A:ILE:HA	14	0.33
(3,1315)	1:59:A:ILE:HG22	1:65:A:ILE:HA	14	0.33
(3,1315)	1:59:A:ILE:HG23	1:65:A:ILE:HA	14	0.33
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG21	9	0.33
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG22	9	0.33
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG23	9	0.33
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG21	18	0.33
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG22	18	0.33
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG23	18	0.33
(3,1310)	1:55:A:ILE:HG21	1:58:A:THR:HB	15	0.33
(3,1310)	1:55:A:ILE:HG22	1:58:A:THR:HB	15	0.33
(3,1310)	1:55:A:ILE:HG23	1:58:A:THR:HB	15	0.33
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG21	6	0.33
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG22	6	0.33
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG23	6	0.33
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG21	6	0.33
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG22	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG23	6	0.33
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG21	6	0.33
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG22	6	0.33
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG23	6	0.33
(3,1293)	1:43:A:VAL:HG21	1:44:A:LEU:HA	12	0.33
(3,1293)	1:43:A:VAL:HG22	1:44:A:LEU:HA	12	0.33
(3,1293)	1:43:A:VAL:HG23	1:44:A:LEU:HA	12	0.33
(3,1282)	1:4:A:LEU:HB2	1:5:A:THR:HB	6	0.33
(3,1282)	1:4:A:LEU:HB3	1:5:A:THR:HB	6	0.33
(3,1272)	1:13:A:ALA:HA	1:17:A:ASP:H	6	0.33
(3,1215)	1:59:A:ILE:HB	1:65:A:ILE:HD11	17	0.33
(3,1215)	1:59:A:ILE:HB	1:65:A:ILE:HD12	17	0.33
(3,1215)	1:59:A:ILE:HB	1:65:A:ILE:HD13	17	0.33
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG2	5	0.33
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG3	5	0.33
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG2	5	0.33
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG3	5	0.33
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG2	5	0.33
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG3	5	0.33
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG2	11	0.33
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG3	11	0.33
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG2	11	0.33
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG3	11	0.33
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG2	11	0.33
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG3	11	0.33
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD11	3	0.33
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD12	3	0.33
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD13	3	0.33
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD11	3	0.33
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD12	3	0.33
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD13	3	0.33
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD11	3	0.33
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD12	3	0.33
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD13	3	0.33
(3,1156)	1:11:A:LEU:HD11	1:12:A:GLY:HA3	7	0.33
(3,1156)	1:11:A:LEU:HD12	1:12:A:GLY:HA3	7	0.33
(3,1156)	1:11:A:LEU:HD13	1:12:A:GLY:HA3	7	0.33
(3,1116)	1:41:A:ALA:HB1	1:55:A:ILE:HG12	20	0.33
(3,1116)	1:41:A:ALA:HB1	1:55:A:ILE:HG13	20	0.33
(3,1116)	1:41:A:ALA:HB2	1:55:A:ILE:HG12	20	0.33
(3,1116)	1:41:A:ALA:HB2	1:55:A:ILE:HG13	20	0.33
(3,1116)	1:41:A:ALA:HB3	1:55:A:ILE:HG12	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1116)	1:41:A:ALA:HB3	1:55:A:ILE:HG13	20	0.33
(3,1099)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	18	0.33
(3,1099)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	18	0.33
(3,1099)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	18	0.33
(3,1054)	1:31:A:GLU:HA	1:34:A:ARG:H	3	0.33
(3,1042)	1:18:A:ALA:HB1	1:20:A:LEU:HD21	11	0.33
(3,1042)	1:18:A:ALA:HB1	1:20:A:LEU:HD22	11	0.33
(3,1042)	1:18:A:ALA:HB1	1:20:A:LEU:HD23	11	0.33
(3,1042)	1:18:A:ALA:HB2	1:20:A:LEU:HD21	11	0.33
(3,1042)	1:18:A:ALA:HB2	1:20:A:LEU:HD22	11	0.33
(3,1042)	1:18:A:ALA:HB2	1:20:A:LEU:HD23	11	0.33
(3,1042)	1:18:A:ALA:HB3	1:20:A:LEU:HD21	11	0.33
(3,1042)	1:18:A:ALA:HB3	1:20:A:LEU:HD22	11	0.33
(3,1042)	1:18:A:ALA:HB3	1:20:A:LEU:HD23	11	0.33
(3,995)	1:96:A:PHE:H	1:107:A:VAL:H	17	0.33
(3,936)	1:11:A:LEU:H	1:13:A:ALA:H	5	0.33
(3,901)	1:104:A:VAL:HG11	1:128:A:VAL:H	16	0.33
(3,901)	1:104:A:VAL:HG12	1:128:A:VAL:H	16	0.33
(3,901)	1:104:A:VAL:HG13	1:128:A:VAL:H	16	0.33
(3,901)	1:104:A:VAL:HG21	1:128:A:VAL:H	16	0.33
(3,901)	1:104:A:VAL:HG22	1:128:A:VAL:H	16	0.33
(3,901)	1:104:A:VAL:HG23	1:128:A:VAL:H	16	0.33
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG21	9	0.33
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG22	9	0.33
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG23	9	0.33
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG21	14	0.33
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG22	14	0.33
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG23	14	0.33
(3,821)	1:67:A:LEU:H	1:68:A:VAL:H	17	0.33
(3,811)	1:62:A:ARG:H	1:64:A:GLY:H	6	0.33
(3,781)	1:41:A:ALA:H	1:55:A:ILE:HG12	20	0.33
(3,781)	1:41:A:ALA:H	1:55:A:ILE:HG13	20	0.33
(3,772)	1:34:A:ARG:H	1:36:A:VAL:H	6	0.33
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB2	3	0.33
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB3	3	0.33
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB2	13	0.33
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB3	13	0.33
(3,756)	1:27:A:GLN:HB2	1:29:A:ALA:H	10	0.33
(3,756)	1:27:A:GLN:HB3	1:29:A:ALA:H	10	0.33
(3,752)	1:23:A:ASP:HB2	1:27:A:GLN:H	9	0.33
(3,752)	1:23:A:ASP:HB3	1:27:A:GLN:H	9	0.33
(3,745)	1:51:A:SER:H	1:54:A:ARG:H	18	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,719)	1:10:A:ARG:HA	1:12:A:GLY:H	4	0.33
(3,699)	1:124:A:LEU:HD21	1:125:A:THR:H	7	0.33
(3,699)	1:124:A:LEU:HD22	1:125:A:THR:H	7	0.33
(3,699)	1:124:A:LEU:HD23	1:125:A:THR:H	7	0.33
(3,699)	1:124:A:LEU:HD21	1:125:A:THR:H	19	0.33
(3,699)	1:124:A:LEU:HD22	1:125:A:THR:H	19	0.33
(3,699)	1:124:A:LEU:HD23	1:125:A:THR:H	19	0.33
(3,668)	1:56:A:ALA:HB1	1:133:A:GLN:HE21	17	0.33
(3,668)	1:56:A:ALA:HB2	1:133:A:GLN:HE21	17	0.33
(3,668)	1:56:A:ALA:HB3	1:133:A:GLN:HE21	17	0.33
(3,665)	1:59:A:ILE:HG21	1:64:A:GLY:H	4	0.33
(3,665)	1:59:A:ILE:HG22	1:64:A:GLY:H	4	0.33
(3,665)	1:59:A:ILE:HG23	1:64:A:GLY:H	4	0.33
(3,665)	1:59:A:ILE:HG21	1:64:A:GLY:H	14	0.33
(3,665)	1:59:A:ILE:HG22	1:64:A:GLY:H	14	0.33
(3,665)	1:59:A:ILE:HG23	1:64:A:GLY:H	14	0.33
(3,655)	1:22:A:THR:H	1:25:A:GLU:HA	5	0.33
(3,655)	1:22:A:THR:H	1:25:A:GLU:HA	16	0.33
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD21	5	0.33
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD22	5	0.33
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD23	5	0.33
(3,536)	1:39:A:SER:HA	1:42:A:GLU:H	11	0.33
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD21	14	0.33
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD22	14	0.33
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD23	14	0.33
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD21	16	0.33
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD22	16	0.33
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD23	16	0.33
(3,404)	1:118:A:LEU:HD11	1:132:A:TYR:H	13	0.33
(3,404)	1:118:A:LEU:HD12	1:132:A:TYR:H	13	0.33
(3,404)	1:118:A:LEU:HD13	1:132:A:TYR:H	13	0.33
(3,302)	1:33:A:HIS:H	1:43:A:VAL:HG21	9	0.33
(3,302)	1:33:A:HIS:H	1:43:A:VAL:HG22	9	0.33
(3,302)	1:33:A:HIS:H	1:43:A:VAL:HG23	9	0.33
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG21	11	0.33
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG22	11	0.33
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG23	11	0.33
(3,214)	1:109:A:PHE:H	1:134:A:THR:HB	12	0.33
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG11	8	0.33
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG12	8	0.33
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG13	8	0.33
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG11	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG12	13	0.33
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG13	13	0.33
(3,92)	1:121:A:VAL:HG21	1:122:A:GLU:H	3	0.33
(3,92)	1:121:A:VAL:HG22	1:122:A:GLU:H	3	0.33
(3,92)	1:121:A:VAL:HG23	1:122:A:GLU:H	3	0.33
(3,92)	1:121:A:VAL:HG21	1:122:A:GLU:H	15	0.33
(3,92)	1:121:A:VAL:HG22	1:122:A:GLU:H	15	0.33
(3,92)	1:121:A:VAL:HG23	1:122:A:GLU:H	15	0.33
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD11	4	0.33
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD12	4	0.33
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD13	4	0.33
(3,7)	1:94:A:ILE:HB	1:108:A:ALA:H	8	0.33
(4,13)	1:109:A:PHE:O	1:134:A:THR:N	14	0.32
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB2	16	0.32
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB3	16	0.32
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB2	16	0.32
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB3	16	0.32
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB2	16	0.32
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB3	16	0.32
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB2	20	0.32
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB3	20	0.32
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB2	20	0.32
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB3	20	0.32
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB2	20	0.32
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB3	20	0.32
(3,2073)	1:96:A:PHE:HB2	1:108:A:ALA:H	3	0.32
(3,2073)	1:96:A:PHE:HB3	1:108:A:ALA:H	3	0.32
(3,2056)	1:91:A:LEU:HD11	1:120:A:GLU:HB2	5	0.32
(3,2056)	1:91:A:LEU:HD11	1:120:A:GLU:HB3	5	0.32
(3,2056)	1:91:A:LEU:HD12	1:120:A:GLU:HB2	5	0.32
(3,2056)	1:91:A:LEU:HD12	1:120:A:GLU:HB3	5	0.32
(3,2056)	1:91:A:LEU:HD13	1:120:A:GLU:HB2	5	0.32
(3,2056)	1:91:A:LEU:HD13	1:120:A:GLU:HB3	5	0.32
(3,2027)	1:84:A:PRO:HB2	1:87:A:LYS:H	12	0.32
(3,2027)	1:84:A:PRO:HB3	1:87:A:LYS:H	12	0.32
(3,1950)	1:60:A:GLU:H	1:133:A:GLN:HE21	13	0.32
(3,1950)	1:60:A:GLU:H	1:133:A:GLN:HE22	13	0.32
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB2	18	0.32
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB3	18	0.32
(3,1906)	1:50:A:LEU:HB2	1:55:A:ILE:HA	20	0.32
(3,1906)	1:50:A:LEU:HB3	1:55:A:ILE:HA	20	0.32
(3,1823)	1:32:A:ARG:HG2	1:36:A:VAL:HG11	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1823)	1:32:A:ARG:HG2	1:36:A:VAL:HG12	19	0.32
(3,1823)	1:32:A:ARG:HG2	1:36:A:VAL:HG13	19	0.32
(3,1823)	1:32:A:ARG:HG3	1:36:A:VAL:HG11	19	0.32
(3,1823)	1:32:A:ARG:HG3	1:36:A:VAL:HG12	19	0.32
(3,1823)	1:32:A:ARG:HG3	1:36:A:VAL:HG13	19	0.32
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG2	9	0.32
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG3	9	0.32
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD2	9	0.32
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD3	9	0.32
(3,1723)	1:8:A:ASP:H	1:39:A:SER:HB2	5	0.32
(3,1723)	1:8:A:ASP:H	1:39:A:SER:HB3	5	0.32
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD11	9	0.32
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD12	9	0.32
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD13	9	0.32
(3,1611)	1:104:A:VAL:HG11	1:128:A:VAL:HB	1	0.32
(3,1611)	1:104:A:VAL:HG12	1:128:A:VAL:HB	1	0.32
(3,1611)	1:104:A:VAL:HG13	1:128:A:VAL:HB	1	0.32
(3,1611)	1:104:A:VAL:HG21	1:128:A:VAL:HB	1	0.32
(3,1611)	1:104:A:VAL:HG22	1:128:A:VAL:HB	1	0.32
(3,1611)	1:104:A:VAL:HG23	1:128:A:VAL:HB	1	0.32
(3,1611)	1:104:A:VAL:HG11	1:128:A:VAL:HB	4	0.32
(3,1611)	1:104:A:VAL:HG12	1:128:A:VAL:HB	4	0.32
(3,1611)	1:104:A:VAL:HG13	1:128:A:VAL:HB	4	0.32
(3,1611)	1:104:A:VAL:HG21	1:128:A:VAL:HB	4	0.32
(3,1611)	1:104:A:VAL:HG22	1:128:A:VAL:HB	4	0.32
(3,1611)	1:104:A:VAL:HG23	1:128:A:VAL:HB	4	0.32
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD21	10	0.32
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD22	10	0.32
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD23	10	0.32
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG21	2	0.32
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG22	2	0.32
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG23	2	0.32
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG21	2	0.32
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG22	2	0.32
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG23	2	0.32
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG21	2	0.32
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG22	2	0.32
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG23	2	0.32
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG21	1	0.32
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG22	1	0.32
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG23	1	0.32
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG21	1	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG22	1	0.32
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG23	1	0.32
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG21	1	0.32
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG22	1	0.32
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG23	1	0.32
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG21	7	0.32
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG22	7	0.32
(3,1427)	1:83:A:LEU:HD21	1:125:A:THR:HG23	7	0.32
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG21	7	0.32
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG22	7	0.32
(3,1427)	1:83:A:LEU:HD22	1:125:A:THR:HG23	7	0.32
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG21	7	0.32
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG22	7	0.32
(3,1427)	1:83:A:LEU:HD23	1:125:A:THR:HG23	7	0.32
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG21	9	0.32
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG22	9	0.32
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG23	9	0.32
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG21	6	0.32
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG22	6	0.32
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG23	6	0.32
(3,1380)	1:101:A:GLU:HB2	1:102:A:ALA:HB1	9	0.32
(3,1380)	1:101:A:GLU:HB2	1:102:A:ALA:HB2	9	0.32
(3,1380)	1:101:A:GLU:HB2	1:102:A:ALA:HB3	9	0.32
(3,1380)	1:101:A:GLU:HB3	1:102:A:ALA:HB1	9	0.32
(3,1380)	1:101:A:GLU:HB3	1:102:A:ALA:HB2	9	0.32
(3,1380)	1:101:A:GLU:HB3	1:102:A:ALA:HB3	9	0.32
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD21	19	0.32
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD22	19	0.32
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD23	19	0.32
(3,1337)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	9	0.32
(3,1337)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	9	0.32
(3,1337)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	9	0.32
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG21	14	0.32
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG22	14	0.32
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG23	14	0.32
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG21	14	0.32
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG22	14	0.32
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG23	14	0.32
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG21	14	0.32
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG22	14	0.32
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG23	14	0.32
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG21	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG22	19	0.32
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG23	19	0.32
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG21	19	0.32
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG22	19	0.32
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG23	19	0.32
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG21	19	0.32
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG22	19	0.32
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG23	19	0.32
(3,1324)	1:6:A:ILE:HG21	1:115:A:THR:HA	2	0.32
(3,1324)	1:6:A:ILE:HG22	1:115:A:THR:HA	2	0.32
(3,1324)	1:6:A:ILE:HG23	1:115:A:THR:HA	2	0.32
(3,1282)	1:4:A:LEU:HB2	1:5:A:THR:HB	12	0.32
(3,1282)	1:4:A:LEU:HB3	1:5:A:THR:HB	12	0.32
(3,1255)	1:67:A:LEU:HD11	1:138:A:ALA:HB1	6	0.32
(3,1255)	1:67:A:LEU:HD11	1:138:A:ALA:HB2	6	0.32
(3,1255)	1:67:A:LEU:HD11	1:138:A:ALA:HB3	6	0.32
(3,1255)	1:67:A:LEU:HD12	1:138:A:ALA:HB1	6	0.32
(3,1255)	1:67:A:LEU:HD12	1:138:A:ALA:HB2	6	0.32
(3,1255)	1:67:A:LEU:HD12	1:138:A:ALA:HB3	6	0.32
(3,1255)	1:67:A:LEU:HD13	1:138:A:ALA:HB1	6	0.32
(3,1255)	1:67:A:LEU:HD13	1:138:A:ALA:HB2	6	0.32
(3,1255)	1:67:A:LEU:HD13	1:138:A:ALA:HB3	6	0.32
(3,1232)	1:120:A:GLU:HA	1:123:A:ASP:H	10	0.32
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD11	4	0.32
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD12	4	0.32
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD13	4	0.32
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD11	4	0.32
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD12	4	0.32
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD13	4	0.32
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD11	4	0.32
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD12	4	0.32
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD13	4	0.32
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD11	6	0.32
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD12	6	0.32
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD13	6	0.32
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD11	6	0.32
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD12	6	0.32
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD13	6	0.32
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD11	6	0.32
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD12	6	0.32
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD13	6	0.32
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD11	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD12	19	0.32
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD13	19	0.32
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD11	19	0.32
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD12	19	0.32
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD13	19	0.32
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD11	19	0.32
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD12	19	0.32
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD13	19	0.32
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD21	3	0.32
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD22	3	0.32
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD23	3	0.32
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD21	3	0.32
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD22	3	0.32
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD23	3	0.32
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD21	3	0.32
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD22	3	0.32
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD23	3	0.32
(3,1004)	1:109:A:PHE:H	1:133:A:GLN:H	1	0.32
(3,1004)	1:109:A:PHE:H	1:133:A:GLN:H	4	0.32
(3,936)	1:11:A:LEU:H	1:13:A:ALA:H	9	0.32
(3,912)	1:56:A:ALA:HA	1:133:A:GLN:HE21	11	0.32
(3,901)	1:104:A:VAL:HG11	1:128:A:VAL:H	9	0.32
(3,901)	1:104:A:VAL:HG12	1:128:A:VAL:H	9	0.32
(3,901)	1:104:A:VAL:HG13	1:128:A:VAL:H	9	0.32
(3,901)	1:104:A:VAL:HG21	1:128:A:VAL:H	9	0.32
(3,901)	1:104:A:VAL:HG22	1:128:A:VAL:H	9	0.32
(3,901)	1:104:A:VAL:HG23	1:128:A:VAL:H	9	0.32
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG21	17	0.32
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG22	17	0.32
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG23	17	0.32
(3,851)	1:89:A:LYS:HA	1:93:A:ALA:H	9	0.32
(3,832)	1:80:A:LYS:H	1:82:A:LEU:HG	10	0.32
(3,821)	1:67:A:LEU:H	1:68:A:VAL:H	10	0.32
(3,821)	1:67:A:LEU:H	1:68:A:VAL:H	16	0.32
(3,811)	1:62:A:ARG:H	1:64:A:GLY:H	7	0.32
(3,799)	1:24:A:GLU:H	1:27:A:GLN:HB2	12	0.32
(3,799)	1:24:A:GLU:H	1:27:A:GLN:HB3	12	0.32
(3,789)	1:45:A:VAL:H	1:48:A:GLY:H	4	0.32
(3,765)	1:29:A:ALA:HA	1:33:A:HIS:H	13	0.32
(3,752)	1:23:A:ASP:HB2	1:27:A:GLN:H	10	0.32
(3,752)	1:23:A:ASP:HB3	1:27:A:GLN:H	10	0.32
(3,744)	1:45:A:VAL:HG11	1:52:A:GLU:H	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,744)	1:45:A:VAL:HG12	1:52:A:GLU:H	9	0.32
(3,744)	1:45:A:VAL:HG13	1:52:A:GLU:H	9	0.32
(3,731)	1:18:A:ALA:H	1:20:A:LEU:HG	6	0.32
(3,731)	1:18:A:ALA:H	1:20:A:LEU:HG	14	0.32
(3,699)	1:124:A:LEU:HD21	1:125:A:THR:H	9	0.32
(3,699)	1:124:A:LEU:HD22	1:125:A:THR:H	9	0.32
(3,699)	1:124:A:LEU:HD23	1:125:A:THR:H	9	0.32
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD21	7	0.32
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD22	7	0.32
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD23	7	0.32
(3,644)	1:36:A:VAL:HG11	1:37:A:GLY:H	11	0.32
(3,644)	1:36:A:VAL:HG12	1:37:A:GLY:H	11	0.32
(3,644)	1:36:A:VAL:HG13	1:37:A:GLY:H	11	0.32
(3,628)	1:109:A:PHE:HB3	1:111:A:ASN:H	17	0.32
(3,625)	1:110:A:LEU:HG	1:135:A:THR:H	7	0.32
(3,536)	1:39:A:SER:HA	1:42:A:GLU:H	2	0.32
(3,523)	1:35:A:GLU:H	1:36:A:VAL:HG11	3	0.32
(3,523)	1:35:A:GLU:H	1:36:A:VAL:HG12	3	0.32
(3,523)	1:35:A:GLU:H	1:36:A:VAL:HG13	3	0.32
(3,502)	1:81:A:ALA:H	1:82:A:LEU:HG	16	0.32
(3,457)	1:26:A:LEU:HD21	1:27:A:GLN:H	10	0.32
(3,457)	1:26:A:LEU:HD22	1:27:A:GLN:H	10	0.32
(3,457)	1:26:A:LEU:HD23	1:27:A:GLN:H	10	0.32
(3,425)	1:132:A:TYR:HE1	1:133:A:GLN:H	6	0.32
(3,425)	1:132:A:TYR:HE2	1:133:A:GLN:H	6	0.32
(3,413)	1:107:A:VAL:HB	1:132:A:TYR:H	13	0.32
(3,404)	1:118:A:LEU:HD11	1:132:A:TYR:H	20	0.32
(3,404)	1:118:A:LEU:HD12	1:132:A:TYR:H	20	0.32
(3,404)	1:118:A:LEU:HD13	1:132:A:TYR:H	20	0.32
(3,338)	1:57:A:GLN:H	1:58:A:THR:HB	19	0.32
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG21	9	0.32
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG22	9	0.32
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG23	9	0.32
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG21	17	0.32
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG22	17	0.32
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG23	17	0.32
(3,196)	1:55:A:ILE:HD11	1:56:A:ALA:H	2	0.32
(3,196)	1:55:A:ILE:HD12	1:56:A:ALA:H	2	0.32
(3,196)	1:55:A:ILE:HD13	1:56:A:ALA:H	2	0.32
(3,92)	1:121:A:VAL:HG21	1:122:A:GLU:H	5	0.32
(3,92)	1:121:A:VAL:HG22	1:122:A:GLU:H	5	0.32
(3,92)	1:121:A:VAL:HG23	1:122:A:GLU:H	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD11	2	0.32
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD12	2	0.32
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD13	2	0.32
(3,78)	1:11:A:LEU:HD21	1:40:A:LEU:H	15	0.32
(3,78)	1:11:A:LEU:HD22	1:40:A:LEU:H	15	0.32
(3,78)	1:11:A:LEU:HD23	1:40:A:LEU:H	15	0.32
(3,74)	1:5:A:THR:HG21	1:40:A:LEU:H	16	0.32
(3,74)	1:5:A:THR:HG22	1:40:A:LEU:H	16	0.32
(3,74)	1:5:A:THR:HG23	1:40:A:LEU:H	16	0.32
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG21	1	0.31
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG22	1	0.31
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG23	1	0.31
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG21	1	0.31
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG22	1	0.31
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG23	1	0.31
(3,2101)	1:106:A:ARG:HD2	1:132:A:TYR:HE1	5	0.31
(3,2101)	1:106:A:ARG:HD2	1:132:A:TYR:HE2	5	0.31
(3,2101)	1:106:A:ARG:HD3	1:132:A:TYR:HE1	5	0.31
(3,2101)	1:106:A:ARG:HD3	1:132:A:TYR:HE2	5	0.31
(3,2073)	1:96:A:PHE:HB2	1:108:A:ALA:H	17	0.31
(3,2073)	1:96:A:PHE:HB3	1:108:A:ALA:H	17	0.31
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB2	12	0.31
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB3	12	0.31
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB2	15	0.31
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB3	15	0.31
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB2	14	0.31
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB3	14	0.31
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB2	19	0.31
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB3	19	0.31
(3,1914)	1:51:A:SER:HB2	1:53:A:ARG:HA	12	0.31
(3,1914)	1:51:A:SER:HB3	1:53:A:ARG:HA	12	0.31
(3,1871)	1:44:A:LEU:HB2	1:49:A:LEU:H	4	0.31
(3,1871)	1:44:A:LEU:HB3	1:49:A:LEU:H	4	0.31
(3,1871)	1:44:A:LEU:HB2	1:49:A:LEU:H	8	0.31
(3,1871)	1:44:A:LEU:HB3	1:49:A:LEU:H	8	0.31
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB2	10	0.31
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB3	10	0.31
(3,1784)	1:21:A:LEU:HB2	1:25:A:GLU:H	16	0.31
(3,1784)	1:21:A:LEU:HB3	1:25:A:GLU:H	16	0.31
(3,1784)	1:21:A:LEU:HB2	1:25:A:GLU:H	17	0.31
(3,1784)	1:21:A:LEU:HB3	1:25:A:GLU:H	17	0.31
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD21	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD22	20	0.31
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD23	20	0.31
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD21	20	0.31
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD22	20	0.31
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD23	20	0.31
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG2	7	0.31
(3,1757)	1:14:A:ALA:HB1	1:62:A:ARG:HG3	7	0.31
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG2	7	0.31
(3,1757)	1:14:A:ALA:HB2	1:62:A:ARG:HG3	7	0.31
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG2	7	0.31
(3,1757)	1:14:A:ALA:HB3	1:62:A:ARG:HG3	7	0.31
(3,1715)	1:7:A:GLY:HA2	1:12:A:GLY:H	12	0.31
(3,1715)	1:7:A:GLY:HA3	1:12:A:GLY:H	12	0.31
(3,1715)	1:7:A:GLY:HA2	1:12:A:GLY:H	16	0.31
(3,1715)	1:7:A:GLY:HA3	1:12:A:GLY:H	16	0.31
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB2	10	0.31
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB3	10	0.31
(3,1705)	1:6:A:ILE:HA	1:9:A:LYS:HG2	13	0.31
(3,1705)	1:6:A:ILE:HA	1:9:A:LYS:HG3	13	0.31
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG21	2	0.31
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG22	2	0.31
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG23	2	0.31
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG21	15	0.31
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG22	15	0.31
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG23	15	0.31
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG21	15	0.31
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG22	15	0.31
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG23	15	0.31
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG21	15	0.31
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG22	15	0.31
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG23	15	0.31
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG11	14	0.31
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG12	14	0.31
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG13	14	0.31
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG11	14	0.31
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG12	14	0.31
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG13	14	0.31
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG11	14	0.31
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG12	14	0.31
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG13	14	0.31
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG21	20	0.31
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG22	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG23	20	0.31
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG21	20	0.31
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG22	20	0.31
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG23	20	0.31
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG21	20	0.31
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG22	20	0.31
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG23	20	0.31
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG21	18	0.31
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG22	18	0.31
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG23	18	0.31
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG21	18	0.31
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG22	18	0.31
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG23	18	0.31
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG21	18	0.31
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG22	18	0.31
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG23	18	0.31
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG21	6	0.31
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG22	6	0.31
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG23	6	0.31
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG21	6	0.31
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG22	6	0.31
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG23	6	0.31
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG21	6	0.31
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG22	6	0.31
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG23	6	0.31
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA2	8	0.31
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA3	8	0.31
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA2	8	0.31
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA3	8	0.31
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA2	8	0.31
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA3	8	0.31
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG21	2	0.31
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG22	2	0.31
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG23	2	0.31
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE1	17	0.31
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE2	17	0.31
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE1	17	0.31
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE2	17	0.31
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE1	17	0.31
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE2	17	0.31
(3,1282)	1:4:A:LEU:HB2	1:5:A:THR:HB	20	0.31
(3,1282)	1:4:A:LEU:HB3	1:5:A:THR:HB	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1254)	1:134:A:THR:HG21	1:138:A:ALA:HB1	3	0.31
(3,1254)	1:134:A:THR:HG21	1:138:A:ALA:HB2	3	0.31
(3,1254)	1:134:A:THR:HG21	1:138:A:ALA:HB3	3	0.31
(3,1254)	1:134:A:THR:HG22	1:138:A:ALA:HB1	3	0.31
(3,1254)	1:134:A:THR:HG22	1:138:A:ALA:HB2	3	0.31
(3,1254)	1:134:A:THR:HG22	1:138:A:ALA:HB3	3	0.31
(3,1254)	1:134:A:THR:HG23	1:138:A:ALA:HB1	3	0.31
(3,1254)	1:134:A:THR:HG23	1:138:A:ALA:HB2	3	0.31
(3,1254)	1:134:A:THR:HG23	1:138:A:ALA:HB3	3	0.31
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG21	17	0.31
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG22	17	0.31
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG23	17	0.31
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG21	17	0.31
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG22	17	0.31
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG23	17	0.31
(3,1233)	1:120:A:GLU:HA	1:123:A:ASP:HB2	9	0.31
(3,1221)	1:111:A:ASN:HA	1:111:A:ASN:HD22	4	0.31
(3,1202)	1:18:A:ALA:HB1	1:58:A:THR:HG21	20	0.31
(3,1202)	1:18:A:ALA:HB1	1:58:A:THR:HG22	20	0.31
(3,1202)	1:18:A:ALA:HB1	1:58:A:THR:HG23	20	0.31
(3,1202)	1:18:A:ALA:HB2	1:58:A:THR:HG21	20	0.31
(3,1202)	1:18:A:ALA:HB2	1:58:A:THR:HG22	20	0.31
(3,1202)	1:18:A:ALA:HB2	1:58:A:THR:HG23	20	0.31
(3,1202)	1:18:A:ALA:HB3	1:58:A:THR:HG21	20	0.31
(3,1202)	1:18:A:ALA:HB3	1:58:A:THR:HG22	20	0.31
(3,1202)	1:18:A:ALA:HB3	1:58:A:THR:HG23	20	0.31
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD11	13	0.31
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD12	13	0.31
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD13	13	0.31
(3,1151)	1:116:A:LEU:HG	1:117:A:SER:H	5	0.31
(3,1099)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	20	0.31
(3,1099)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	20	0.31
(3,1099)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	20	0.31
(3,1025)	1:22:A:THR:HB	1:23:A:ASP:H	1	0.31
(3,990)	1:5:A:THR:H	1:8:A:ASP:HA	19	0.31
(3,988)	1:56:A:ALA:HA	1:58:A:THR:H	9	0.31
(3,821)	1:67:A:LEU:H	1:68:A:VAL:H	5	0.31
(3,821)	1:67:A:LEU:H	1:68:A:VAL:H	15	0.31
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB2	17	0.31
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB3	17	0.31
(3,763)	1:32:A:ARG:H	1:35:A:GLU:H	19	0.31
(3,753)	1:26:A:LEU:HD21	1:27:A:GLN:H	15	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,753)	1:26:A:LEU:HD22	1:27:A:GLN:H	15	0.31
(3,753)	1:26:A:LEU:HD23	1:27:A:GLN:H	15	0.31
(3,712)	1:4:A:LEU:HD11	1:8:A:ASP:H	12	0.31
(3,712)	1:4:A:LEU:HD12	1:8:A:ASP:H	12	0.31
(3,712)	1:4:A:LEU:HD13	1:8:A:ASP:H	12	0.31
(3,711)	1:6:A:ILE:HG21	1:8:A:ASP:H	17	0.31
(3,711)	1:6:A:ILE:HG22	1:8:A:ASP:H	17	0.31
(3,711)	1:6:A:ILE:HG23	1:8:A:ASP:H	17	0.31
(3,699)	1:124:A:LEU:HD21	1:125:A:THR:H	5	0.31
(3,699)	1:124:A:LEU:HD22	1:125:A:THR:H	5	0.31
(3,699)	1:124:A:LEU:HD23	1:125:A:THR:H	5	0.31
(3,682)	1:150:A:LEU:HD21	1:151:A:GLY:H	9	0.31
(3,682)	1:150:A:LEU:HD22	1:151:A:GLY:H	9	0.31
(3,682)	1:150:A:LEU:HD23	1:151:A:GLY:H	9	0.31
(3,673)	1:59:A:ILE:HG21	1:133:A:GLN:HE22	2	0.31
(3,673)	1:59:A:ILE:HG22	1:133:A:GLN:HE22	2	0.31
(3,673)	1:59:A:ILE:HG23	1:133:A:GLN:HE22	2	0.31
(3,668)	1:56:A:ALA:HB1	1:133:A:GLN:HE21	8	0.31
(3,668)	1:56:A:ALA:HB2	1:133:A:GLN:HE21	8	0.31
(3,668)	1:56:A:ALA:HB3	1:133:A:GLN:HE21	8	0.31
(3,644)	1:36:A:VAL:HG11	1:37:A:GLY:H	20	0.31
(3,644)	1:36:A:VAL:HG12	1:37:A:GLY:H	20	0.31
(3,644)	1:36:A:VAL:HG13	1:37:A:GLY:H	20	0.31
(3,632)	1:110:A:LEU:HG	1:111:A:ASN:H	15	0.31
(3,628)	1:109:A:PHE:HB3	1:111:A:ASN:H	18	0.31
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD11	9	0.31
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD12	9	0.31
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD13	9	0.31
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD11	17	0.31
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD12	17	0.31
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD13	17	0.31
(3,491)	1:56:A:ALA:HB1	1:58:A:THR:H	13	0.31
(3,491)	1:56:A:ALA:HB2	1:58:A:THR:H	13	0.31
(3,491)	1:56:A:ALA:HB3	1:58:A:THR:H	13	0.31
(3,395)	1:25:A:GLU:HB2	1:26:A:LEU:H	17	0.31
(3,307)	1:33:A:HIS:H	1:43:A:VAL:HB	10	0.31
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG21	1	0.31
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG22	1	0.31
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG23	1	0.31
(3,264)	1:134:A:THR:HG21	1:139:A:PHE:H	20	0.31
(3,264)	1:134:A:THR:HG22	1:139:A:PHE:H	20	0.31
(3,264)	1:134:A:THR:HG23	1:139:A:PHE:H	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,211)	1:121:A:VAL:HG21	1:123:A:ASP:H	5	0.31
(3,211)	1:121:A:VAL:HG22	1:123:A:ASP:H	5	0.31
(3,211)	1:121:A:VAL:HG23	1:123:A:ASP:H	5	0.31
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD21	6	0.31
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD22	6	0.31
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD23	6	0.31
(3,191)	1:56:A:ALA:H	1:59:A:ILE:HB	16	0.31
(3,141)	1:56:A:ALA:HB1	1:59:A:ILE:H	19	0.31
(3,141)	1:56:A:ALA:HB2	1:59:A:ILE:H	19	0.31
(3,141)	1:56:A:ALA:HB3	1:59:A:ILE:H	19	0.31
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD11	20	0.31
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD12	20	0.31
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD13	20	0.31
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD21	5	0.31
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD22	5	0.31
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD23	5	0.31
(3,72)	1:45:A:VAL:HG21	1:46:A:ASP:H	2	0.31
(3,72)	1:45:A:VAL:HG22	1:46:A:ASP:H	2	0.31
(3,72)	1:45:A:VAL:HG23	1:46:A:ASP:H	2	0.31
(3,72)	1:45:A:VAL:HG21	1:46:A:ASP:H	12	0.31
(3,72)	1:45:A:VAL:HG22	1:46:A:ASP:H	12	0.31
(3,72)	1:45:A:VAL:HG23	1:46:A:ASP:H	12	0.31
(3,53)	1:83:A:LEU:HG	1:88:A:ALA:H	14	0.31
(4,15)	1:109:A:PHE:N	1:132:A:TYR:O	8	0.3
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB2	17	0.3
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB3	17	0.3
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB2	17	0.3
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB3	17	0.3
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB2	17	0.3
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB3	17	0.3
(3,2113)	1:110:A:LEU:HD11	1:136:A:LYS:HB2	18	0.3
(3,2113)	1:110:A:LEU:HD11	1:136:A:LYS:HB3	18	0.3
(3,2113)	1:110:A:LEU:HD12	1:136:A:LYS:HB2	18	0.3
(3,2113)	1:110:A:LEU:HD12	1:136:A:LYS:HB3	18	0.3
(3,2113)	1:110:A:LEU:HD13	1:136:A:LYS:HB2	18	0.3
(3,2113)	1:110:A:LEU:HD13	1:136:A:LYS:HB3	18	0.3
(3,2066)	1:93:A:ALA:H	1:94:A:ILE:HG12	12	0.3
(3,2066)	1:93:A:ALA:H	1:94:A:ILE:HG13	12	0.3
(3,2035)	1:85:A:ALA:HB1	1:147:A:TYR:HB2	19	0.3
(3,2035)	1:85:A:ALA:HB1	1:147:A:TYR:HB3	19	0.3
(3,2035)	1:85:A:ALA:HB2	1:147:A:TYR:HB2	19	0.3
(3,2035)	1:85:A:ALA:HB2	1:147:A:TYR:HB3	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2035)	1:85:A:ALA:HB3	1:147:A:TYR:HB2	19	0.3
(3,2035)	1:85:A:ALA:HB3	1:147:A:TYR:HB3	19	0.3
(3,1915)	1:51:A:SER:HB2	1:54:A:ARG:H	10	0.3
(3,1915)	1:51:A:SER:HB3	1:54:A:ARG:H	10	0.3
(3,1874)	1:44:A:LEU:HB2	1:51:A:SER:H	4	0.3
(3,1874)	1:44:A:LEU:HB3	1:51:A:SER:H	4	0.3
(3,1874)	1:44:A:LEU:HB2	1:51:A:SER:H	17	0.3
(3,1874)	1:44:A:LEU:HB3	1:51:A:SER:H	17	0.3
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE21	2	0.3
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE22	2	0.3
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE21	2	0.3
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE22	2	0.3
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE21	2	0.3
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE22	2	0.3
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	15	0.3
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB3	15	0.3
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	15	0.3
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB3	15	0.3
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	15	0.3
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB3	15	0.3
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG2	7	0.3
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG3	7	0.3
(3,1681)	1:140:A:LEU:HD11	1:141:A:TYR:HA	6	0.3
(3,1681)	1:140:A:LEU:HD12	1:141:A:TYR:HA	6	0.3
(3,1681)	1:140:A:LEU:HD13	1:141:A:TYR:HA	6	0.3
(3,1681)	1:140:A:LEU:HD11	1:141:A:TYR:HA	9	0.3
(3,1681)	1:140:A:LEU:HD12	1:141:A:TYR:HA	9	0.3
(3,1681)	1:140:A:LEU:HD13	1:141:A:TYR:HA	9	0.3
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG21	1	0.3
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG22	1	0.3
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG23	1	0.3
(3,1658)	1:93:A:ALA:HB1	1:121:A:VAL:HG11	7	0.3
(3,1658)	1:93:A:ALA:HB1	1:121:A:VAL:HG12	7	0.3
(3,1658)	1:93:A:ALA:HB1	1:121:A:VAL:HG13	7	0.3
(3,1658)	1:93:A:ALA:HB2	1:121:A:VAL:HG11	7	0.3
(3,1658)	1:93:A:ALA:HB2	1:121:A:VAL:HG12	7	0.3
(3,1658)	1:93:A:ALA:HB2	1:121:A:VAL:HG13	7	0.3
(3,1658)	1:93:A:ALA:HB3	1:121:A:VAL:HG11	7	0.3
(3,1658)	1:93:A:ALA:HB3	1:121:A:VAL:HG12	7	0.3
(3,1658)	1:93:A:ALA:HB3	1:121:A:VAL:HG13	7	0.3
(3,1611)	1:104:A:VAL:HG11	1:128:A:VAL:HB	13	0.3
(3,1611)	1:104:A:VAL:HG12	1:128:A:VAL:HB	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1611)	1:104:A:VAL:HG13	1:128:A:VAL:HB	13	0.3
(3,1611)	1:104:A:VAL:HG21	1:128:A:VAL:HB	13	0.3
(3,1611)	1:104:A:VAL:HG22	1:128:A:VAL:HB	13	0.3
(3,1611)	1:104:A:VAL:HG23	1:128:A:VAL:HB	13	0.3
(3,1551)	1:15:A:LEU:HD11	1:50:A:LEU:HD11	16	0.3
(3,1551)	1:15:A:LEU:HD11	1:50:A:LEU:HD12	16	0.3
(3,1551)	1:15:A:LEU:HD11	1:50:A:LEU:HD13	16	0.3
(3,1551)	1:15:A:LEU:HD12	1:50:A:LEU:HD11	16	0.3
(3,1551)	1:15:A:LEU:HD12	1:50:A:LEU:HD12	16	0.3
(3,1551)	1:15:A:LEU:HD12	1:50:A:LEU:HD13	16	0.3
(3,1551)	1:15:A:LEU:HD13	1:50:A:LEU:HD11	16	0.3
(3,1551)	1:15:A:LEU:HD13	1:50:A:LEU:HD12	16	0.3
(3,1551)	1:15:A:LEU:HD13	1:50:A:LEU:HD13	16	0.3
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG21	19	0.3
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG22	19	0.3
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG23	19	0.3
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG21	19	0.3
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG22	19	0.3
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG23	19	0.3
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG21	19	0.3
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG22	19	0.3
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG23	19	0.3
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG21	13	0.3
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG22	13	0.3
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG23	13	0.3
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG21	13	0.3
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG22	13	0.3
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG23	13	0.3
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG21	13	0.3
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG22	13	0.3
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG23	13	0.3
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG21	19	0.3
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG22	19	0.3
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG23	19	0.3
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG21	20	0.3
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG22	20	0.3
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG23	20	0.3
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE1	6	0.3
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE2	6	0.3
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE1	12	0.3
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE2	12	0.3
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE1	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE2	14	0.3
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG21	7	0.3
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG22	7	0.3
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG23	7	0.3
(3,1293)	1:43:A:VAL:HG21	1:44:A:LEU:HA	6	0.3
(3,1293)	1:43:A:VAL:HG22	1:44:A:LEU:HA	6	0.3
(3,1293)	1:43:A:VAL:HG23	1:44:A:LEU:HA	6	0.3
(3,1282)	1:4:A:LEU:HB2	1:5:A:THR:HB	3	0.3
(3,1282)	1:4:A:LEU:HB3	1:5:A:THR:HB	3	0.3
(3,1254)	1:134:A:THR:HG21	1:138:A:ALA:HB1	12	0.3
(3,1254)	1:134:A:THR:HG21	1:138:A:ALA:HB2	12	0.3
(3,1254)	1:134:A:THR:HG21	1:138:A:ALA:HB3	12	0.3
(3,1254)	1:134:A:THR:HG22	1:138:A:ALA:HB1	12	0.3
(3,1254)	1:134:A:THR:HG22	1:138:A:ALA:HB2	12	0.3
(3,1254)	1:134:A:THR:HG22	1:138:A:ALA:HB3	12	0.3
(3,1254)	1:134:A:THR:HG23	1:138:A:ALA:HB1	12	0.3
(3,1254)	1:134:A:THR:HG23	1:138:A:ALA:HB2	12	0.3
(3,1254)	1:134:A:THR:HG23	1:138:A:ALA:HB3	12	0.3
(3,1151)	1:116:A:LEU:HG	1:117:A:SER:H	3	0.3
(3,1133)	1:110:A:LEU:HD21	1:134:A:THR:HG21	13	0.3
(3,1133)	1:110:A:LEU:HD21	1:134:A:THR:HG22	13	0.3
(3,1133)	1:110:A:LEU:HD21	1:134:A:THR:HG23	13	0.3
(3,1133)	1:110:A:LEU:HD22	1:134:A:THR:HG21	13	0.3
(3,1133)	1:110:A:LEU:HD22	1:134:A:THR:HG22	13	0.3
(3,1133)	1:110:A:LEU:HD22	1:134:A:THR:HG23	13	0.3
(3,1133)	1:110:A:LEU:HD23	1:134:A:THR:HG21	13	0.3
(3,1133)	1:110:A:LEU:HD23	1:134:A:THR:HG22	13	0.3
(3,1133)	1:110:A:LEU:HD23	1:134:A:THR:HG23	13	0.3
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD21	1	0.3
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD22	1	0.3
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD23	1	0.3
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD21	1	0.3
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD22	1	0.3
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD23	1	0.3
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD21	1	0.3
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD22	1	0.3
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD23	1	0.3
(3,1004)	1:109:A:PHE:H	1:133:A:GLN:H	8	0.3
(3,978)	1:32:A:ARG:H	1:34:A:ARG:HB2	3	0.3
(3,978)	1:32:A:ARG:H	1:34:A:ARG:HB3	3	0.3
(3,952)	1:70:A:LEU:HD21	1:73:A:VAL:H	12	0.3
(3,952)	1:70:A:LEU:HD22	1:73:A:VAL:H	12	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,952)	1:70:A:LEU:HD23	1:73:A:VAL:H	12	0.3
(3,936)	1:11:A:LEU:H	1:13:A:ALA:H	14	0.3
(3,808)	1:61:A:ASP:H	1:65:A:ILE:H	12	0.3
(3,789)	1:45:A:VAL:H	1:48:A:GLY:H	20	0.3
(3,774)	1:35:A:GLU:HB3	1:36:A:VAL:H	8	0.3
(3,711)	1:6:A:ILE:HG21	1:8:A:ASP:H	16	0.3
(3,711)	1:6:A:ILE:HG22	1:8:A:ASP:H	16	0.3
(3,711)	1:6:A:ILE:HG23	1:8:A:ASP:H	16	0.3
(3,699)	1:124:A:LEU:HD21	1:125:A:THR:H	6	0.3
(3,699)	1:124:A:LEU:HD22	1:125:A:THR:H	6	0.3
(3,699)	1:124:A:LEU:HD23	1:125:A:THR:H	6	0.3
(3,699)	1:124:A:LEU:HD21	1:125:A:THR:H	11	0.3
(3,699)	1:124:A:LEU:HD22	1:125:A:THR:H	11	0.3
(3,699)	1:124:A:LEU:HD23	1:125:A:THR:H	11	0.3
(3,699)	1:124:A:LEU:HD21	1:125:A:THR:H	18	0.3
(3,699)	1:124:A:LEU:HD22	1:125:A:THR:H	18	0.3
(3,699)	1:124:A:LEU:HD23	1:125:A:THR:H	18	0.3
(3,655)	1:22:A:THR:H	1:25:A:GLU:HA	11	0.3
(3,596)	1:83:A:LEU:HD11	1:89:A:LYS:H	11	0.3
(3,596)	1:83:A:LEU:HD12	1:89:A:LYS:H	11	0.3
(3,596)	1:83:A:LEU:HD13	1:89:A:LYS:H	11	0.3
(3,437)	1:121:A:VAL:HA	1:124:A:LEU:H	12	0.3
(3,373)	1:26:A:LEU:H	1:27:A:GLN:HB2	5	0.3
(3,373)	1:26:A:LEU:H	1:27:A:GLN:HB3	5	0.3
(3,307)	1:33:A:HIS:H	1:43:A:VAL:HB	1	0.3
(3,283)	1:143:A:LEU:H	1:143:A:LEU:HG	6	0.3
(3,273)	1:150:A:LEU:H	1:150:A:LEU:HD11	18	0.3
(3,273)	1:150:A:LEU:H	1:150:A:LEU:HD12	18	0.3
(3,273)	1:150:A:LEU:H	1:150:A:LEU:HD13	18	0.3
(3,268)	1:119:A:GLU:HB2	1:120:A:GLU:H	4	0.3
(3,268)	1:119:A:GLU:HB3	1:120:A:GLU:H	4	0.3
(3,268)	1:119:A:GLU:HB2	1:120:A:GLU:H	18	0.3
(3,268)	1:119:A:GLU:HB3	1:120:A:GLU:H	18	0.3
(3,257)	1:59:A:ILE:HG21	1:65:A:ILE:H	7	0.3
(3,257)	1:59:A:ILE:HG22	1:65:A:ILE:H	7	0.3
(3,257)	1:59:A:ILE:HG23	1:65:A:ILE:H	7	0.3
(3,233)	1:28:A:ARG:HA	1:32:A:ARG:H	8	0.3
(3,135)	1:116:A:LEU:HG	1:118:A:LEU:H	6	0.3
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD21	3	0.3
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD22	3	0.3
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD23	3	0.3
(3,74)	1:5:A:THR:HG21	1:40:A:LEU:H	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,74)	1:5:A:THR:HG22	1:40:A:LEU:H	7	0.3
(3,74)	1:5:A:THR:HG23	1:40:A:LEU:H	7	0.3
(3,72)	1:45:A:VAL:HG21	1:46:A:ASP:H	15	0.3
(3,72)	1:45:A:VAL:HG22	1:46:A:ASP:H	15	0.3
(3,72)	1:45:A:VAL:HG23	1:46:A:ASP:H	15	0.3
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG21	5	0.29
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG22	5	0.29
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG23	5	0.29
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG21	5	0.29
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG22	5	0.29
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG23	5	0.29
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG21	6	0.29
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG22	6	0.29
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG23	6	0.29
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG21	6	0.29
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG22	6	0.29
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG23	6	0.29
(3,2162)	1:122:A:GLU:HG2	1:129:A:VAL:H	4	0.29
(3,2162)	1:122:A:GLU:HG3	1:129:A:VAL:H	4	0.29
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB2	5	0.29
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB3	5	0.29
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB2	5	0.29
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB3	5	0.29
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB2	5	0.29
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB3	5	0.29
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG21	4	0.29
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG22	4	0.29
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG23	4	0.29
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG21	4	0.29
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG22	4	0.29
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG23	4	0.29
(3,2027)	1:84:A:PRO:HB2	1:87:A:LYS:H	9	0.29
(3,2027)	1:84:A:PRO:HB3	1:87:A:LYS:H	9	0.29
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB2	9	0.29
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB3	9	0.29
(3,2003)	1:75:A:ILE:HG21	1:95:A:PRO:HB2	14	0.29
(3,2003)	1:75:A:ILE:HG21	1:95:A:PRO:HB3	14	0.29
(3,2003)	1:75:A:ILE:HG22	1:95:A:PRO:HB2	14	0.29
(3,2003)	1:75:A:ILE:HG22	1:95:A:PRO:HB3	14	0.29
(3,2003)	1:75:A:ILE:HG23	1:95:A:PRO:HB2	14	0.29
(3,2003)	1:75:A:ILE:HG23	1:95:A:PRO:HB3	14	0.29
(3,1932)	1:57:A:GLN:HG2	1:58:A:THR:HA	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1932)	1:57:A:GLN:HG3	1:58:A:THR:HA	4	0.29
(3,1932)	1:57:A:GLN:HG2	1:58:A:THR:HA	17	0.29
(3,1932)	1:57:A:GLN:HG3	1:58:A:THR:HA	17	0.29
(3,1932)	1:57:A:GLN:HG2	1:58:A:THR:HA	19	0.29
(3,1932)	1:57:A:GLN:HG3	1:58:A:THR:HA	19	0.29
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB2	5	0.29
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB3	5	0.29
(3,1907)	1:50:A:LEU:HB2	1:55:A:ILE:HB	9	0.29
(3,1907)	1:50:A:LEU:HB3	1:55:A:ILE:HB	9	0.29
(3,1874)	1:44:A:LEU:HB2	1:51:A:SER:H	19	0.29
(3,1874)	1:44:A:LEU:HB3	1:51:A:SER:H	19	0.29
(3,1823)	1:32:A:ARG:HG2	1:36:A:VAL:HG11	17	0.29
(3,1823)	1:32:A:ARG:HG2	1:36:A:VAL:HG12	17	0.29
(3,1823)	1:32:A:ARG:HG2	1:36:A:VAL:HG13	17	0.29
(3,1823)	1:32:A:ARG:HG3	1:36:A:VAL:HG11	17	0.29
(3,1823)	1:32:A:ARG:HG3	1:36:A:VAL:HG12	17	0.29
(3,1823)	1:32:A:ARG:HG3	1:36:A:VAL:HG13	17	0.29
(3,1803)	1:29:A:ALA:H	1:30:A:LEU:HB2	17	0.29
(3,1803)	1:29:A:ALA:H	1:30:A:LEU:HB3	17	0.29
(3,1784)	1:21:A:LEU:HB2	1:25:A:GLU:H	3	0.29
(3,1784)	1:21:A:LEU:HB3	1:25:A:GLU:H	3	0.29
(3,1769)	1:16:A:LEU:HB2	1:17:A:ASP:HA	17	0.29
(3,1769)	1:16:A:LEU:HB3	1:17:A:ASP:HA	17	0.29
(3,1715)	1:7:A:GLY:HA2	1:12:A:GLY:H	3	0.29
(3,1715)	1:7:A:GLY:HA3	1:12:A:GLY:H	3	0.29
(3,1715)	1:7:A:GLY:HA2	1:12:A:GLY:H	5	0.29
(3,1715)	1:7:A:GLY:HA3	1:12:A:GLY:H	5	0.29
(3,1715)	1:7:A:GLY:HA2	1:12:A:GLY:H	14	0.29
(3,1715)	1:7:A:GLY:HA3	1:12:A:GLY:H	14	0.29
(3,1681)	1:140:A:LEU:HD11	1:141:A:TYR:HA	4	0.29
(3,1681)	1:140:A:LEU:HD12	1:141:A:TYR:HA	4	0.29
(3,1681)	1:140:A:LEU:HD13	1:141:A:TYR:HA	4	0.29
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG21	17	0.29
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG22	17	0.29
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG23	17	0.29
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG21	17	0.29
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG22	17	0.29
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG23	17	0.29
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE1	19	0.29
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE2	19	0.29
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE1	19	0.29
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE2	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE1	19	0.29
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE2	19	0.29
(3,1616)	1:79:A:VAL:HG21	1:105:A:VAL:HG11	2	0.29
(3,1616)	1:79:A:VAL:HG21	1:105:A:VAL:HG12	2	0.29
(3,1616)	1:79:A:VAL:HG21	1:105:A:VAL:HG13	2	0.29
(3,1616)	1:79:A:VAL:HG22	1:105:A:VAL:HG11	2	0.29
(3,1616)	1:79:A:VAL:HG22	1:105:A:VAL:HG12	2	0.29
(3,1616)	1:79:A:VAL:HG22	1:105:A:VAL:HG13	2	0.29
(3,1616)	1:79:A:VAL:HG23	1:105:A:VAL:HG11	2	0.29
(3,1616)	1:79:A:VAL:HG23	1:105:A:VAL:HG12	2	0.29
(3,1616)	1:79:A:VAL:HG23	1:105:A:VAL:HG13	2	0.29
(3,1611)	1:104:A:VAL:HG11	1:128:A:VAL:HB	20	0.29
(3,1611)	1:104:A:VAL:HG12	1:128:A:VAL:HB	20	0.29
(3,1611)	1:104:A:VAL:HG13	1:128:A:VAL:HB	20	0.29
(3,1611)	1:104:A:VAL:HG21	1:128:A:VAL:HB	20	0.29
(3,1611)	1:104:A:VAL:HG22	1:128:A:VAL:HB	20	0.29
(3,1611)	1:104:A:VAL:HG23	1:128:A:VAL:HB	20	0.29
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD11	4	0.29
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD12	4	0.29
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD13	4	0.29
(3,1454)	1:67:A:LEU:HD11	1:133:A:GLN:HG2	18	0.29
(3,1454)	1:67:A:LEU:HD11	1:133:A:GLN:HG3	18	0.29
(3,1454)	1:67:A:LEU:HD12	1:133:A:GLN:HG2	18	0.29
(3,1454)	1:67:A:LEU:HD12	1:133:A:GLN:HG3	18	0.29
(3,1454)	1:67:A:LEU:HD13	1:133:A:GLN:HG2	18	0.29
(3,1454)	1:67:A:LEU:HD13	1:133:A:GLN:HG3	18	0.29
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG21	6	0.29
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG22	6	0.29
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG23	6	0.29
(3,1320)	1:6:A:ILE:HG21	1:115:A:THR:HB	13	0.29
(3,1320)	1:6:A:ILE:HG22	1:115:A:THR:HB	13	0.29
(3,1320)	1:6:A:ILE:HG23	1:115:A:THR:HB	13	0.29
(3,1315)	1:59:A:ILE:HG21	1:65:A:ILE:HA	10	0.29
(3,1315)	1:59:A:ILE:HG22	1:65:A:ILE:HA	10	0.29
(3,1315)	1:59:A:ILE:HG23	1:65:A:ILE:HA	10	0.29
(3,1257)	1:135:A:THR:HG21	1:138:A:ALA:HB1	7	0.29
(3,1257)	1:135:A:THR:HG21	1:138:A:ALA:HB2	7	0.29
(3,1257)	1:135:A:THR:HG21	1:138:A:ALA:HB3	7	0.29
(3,1257)	1:135:A:THR:HG22	1:138:A:ALA:HB1	7	0.29
(3,1257)	1:135:A:THR:HG22	1:138:A:ALA:HB2	7	0.29
(3,1257)	1:135:A:THR:HG22	1:138:A:ALA:HB3	7	0.29
(3,1257)	1:135:A:THR:HG23	1:138:A:ALA:HB1	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1257)	1:135:A:THR:HG23	1:138:A:ALA:HB2	7	0.29
(3,1257)	1:135:A:THR:HG23	1:138:A:ALA:HB3	7	0.29
(3,1156)	1:11:A:LEU:HD11	1:12:A:GLY:HA3	18	0.29
(3,1156)	1:11:A:LEU:HD12	1:12:A:GLY:HA3	18	0.29
(3,1156)	1:11:A:LEU:HD13	1:12:A:GLY:HA3	18	0.29
(3,1094)	1:14:A:ALA:HB1	1:58:A:THR:HG21	2	0.29
(3,1094)	1:14:A:ALA:HB1	1:58:A:THR:HG22	2	0.29
(3,1094)	1:14:A:ALA:HB1	1:58:A:THR:HG23	2	0.29
(3,1094)	1:14:A:ALA:HB2	1:58:A:THR:HG21	2	0.29
(3,1094)	1:14:A:ALA:HB2	1:58:A:THR:HG22	2	0.29
(3,1094)	1:14:A:ALA:HB2	1:58:A:THR:HG23	2	0.29
(3,1094)	1:14:A:ALA:HB3	1:58:A:THR:HG21	2	0.29
(3,1094)	1:14:A:ALA:HB3	1:58:A:THR:HG22	2	0.29
(3,1094)	1:14:A:ALA:HB3	1:58:A:THR:HG23	2	0.29
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD11	2	0.29
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD12	2	0.29
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD13	2	0.29
(3,1054)	1:31:A:GLU:HA	1:34:A:ARG:H	6	0.29
(3,1054)	1:31:A:GLU:HA	1:34:A:ARG:H	11	0.29
(3,996)	1:98:A:LEU:H	1:106:A:ARG:HB2	17	0.29
(3,996)	1:98:A:LEU:H	1:106:A:ARG:HB3	17	0.29
(3,973)	1:30:A:LEU:H	1:33:A:HIS:H	8	0.29
(3,936)	1:11:A:LEU:H	1:13:A:ALA:H	16	0.29
(3,897)	1:105:A:VAL:HG21	1:125:A:THR:H	7	0.29
(3,897)	1:105:A:VAL:HG22	1:125:A:THR:H	7	0.29
(3,897)	1:105:A:VAL:HG23	1:125:A:THR:H	7	0.29
(3,897)	1:105:A:VAL:HG21	1:125:A:THR:H	14	0.29
(3,897)	1:105:A:VAL:HG22	1:125:A:THR:H	14	0.29
(3,897)	1:105:A:VAL:HG23	1:125:A:THR:H	14	0.29
(3,832)	1:80:A:LYS:H	1:82:A:LEU:HG	17	0.29
(3,821)	1:67:A:LEU:H	1:68:A:VAL:H	7	0.29
(3,789)	1:45:A:VAL:H	1:48:A:GLY:H	13	0.29
(3,752)	1:23:A:ASP:HB2	1:27:A:GLN:H	18	0.29
(3,752)	1:23:A:ASP:HB3	1:27:A:GLN:H	18	0.29
(3,718)	1:22:A:THR:H	1:26:A:LEU:H	6	0.29
(3,710)	1:7:A:GLY:H	1:115:A:THR:HB	16	0.29
(3,699)	1:124:A:LEU:HD21	1:125:A:THR:H	8	0.29
(3,699)	1:124:A:LEU:HD22	1:125:A:THR:H	8	0.29
(3,699)	1:124:A:LEU:HD23	1:125:A:THR:H	8	0.29
(3,682)	1:150:A:LEU:HD21	1:151:A:GLY:H	7	0.29
(3,682)	1:150:A:LEU:HD22	1:151:A:GLY:H	7	0.29
(3,682)	1:150:A:LEU:HD23	1:151:A:GLY:H	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,681)	1:48:A:GLY:H	1:50:A:LEU:H	13	0.29
(3,662)	1:35:A:GLU:HB2	1:36:A:VAL:H	16	0.29
(3,596)	1:83:A:LEU:HD11	1:89:A:LYS:H	5	0.29
(3,596)	1:83:A:LEU:HD12	1:89:A:LYS:H	5	0.29
(3,596)	1:83:A:LEU:HD13	1:89:A:LYS:H	5	0.29
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD21	15	0.29
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD22	15	0.29
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD23	15	0.29
(3,553)	1:77:A:PRO:HB3	1:78:A:LYS:H	3	0.29
(3,502)	1:81:A:ALA:H	1:82:A:LEU:HG	2	0.29
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD11	3	0.29
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD12	3	0.29
(3,495)	1:147:A:TYR:H	1:150:A:LEU:HD13	3	0.29
(3,425)	1:132:A:TYR:HE1	1:133:A:GLN:H	10	0.29
(3,425)	1:132:A:TYR:HE2	1:133:A:GLN:H	10	0.29
(3,307)	1:33:A:HIS:H	1:43:A:VAL:HB	9	0.29
(3,268)	1:119:A:GLU:HB2	1:120:A:GLU:H	12	0.29
(3,268)	1:119:A:GLU:HB3	1:120:A:GLU:H	12	0.29
(3,264)	1:134:A:THR:HG21	1:139:A:PHE:H	13	0.29
(3,264)	1:134:A:THR:HG22	1:139:A:PHE:H	13	0.29
(3,264)	1:134:A:THR:HG23	1:139:A:PHE:H	13	0.29
(3,214)	1:109:A:PHE:H	1:134:A:THR:HB	11	0.29
(3,211)	1:121:A:VAL:HG21	1:123:A:ASP:H	4	0.29
(3,211)	1:121:A:VAL:HG22	1:123:A:ASP:H	4	0.29
(3,211)	1:121:A:VAL:HG23	1:123:A:ASP:H	4	0.29
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG11	7	0.29
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG12	7	0.29
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG13	7	0.29
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD21	7	0.29
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD22	7	0.29
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD23	7	0.29
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD21	12	0.29
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD22	12	0.29
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD23	12	0.29
(3,141)	1:56:A:ALA:HB1	1:59:A:ILE:H	14	0.29
(3,141)	1:56:A:ALA:HB2	1:59:A:ILE:H	14	0.29
(3,141)	1:56:A:ALA:HB3	1:59:A:ILE:H	14	0.29
(3,135)	1:116:A:LEU:HG	1:118:A:LEU:H	10	0.29
(3,116)	1:68:A:VAL:H	1:108:A:ALA:HB1	7	0.29
(3,116)	1:68:A:VAL:H	1:108:A:ALA:HB2	7	0.29
(3,116)	1:68:A:VAL:H	1:108:A:ALA:HB3	7	0.29
(3,92)	1:121:A:VAL:HG21	1:122:A:GLU:H	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,92)	1:121:A:VAL:HG22	1:122:A:GLU:H	10	0.29
(3,92)	1:121:A:VAL:HG23	1:122:A:GLU:H	10	0.29
(3,92)	1:121:A:VAL:HG21	1:122:A:GLU:H	11	0.29
(3,92)	1:121:A:VAL:HG22	1:122:A:GLU:H	11	0.29
(3,92)	1:121:A:VAL:HG23	1:122:A:GLU:H	11	0.29
(3,72)	1:45:A:VAL:HG21	1:46:A:ASP:H	7	0.29
(3,72)	1:45:A:VAL:HG22	1:46:A:ASP:H	7	0.29
(3,72)	1:45:A:VAL:HG23	1:46:A:ASP:H	7	0.29
(3,33)	1:99:A:ASP:H	1:105:A:VAL:HB	11	0.29
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG21	13	0.29
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG22	13	0.29
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG23	13	0.29
(4,18)	1:94:A:ILE:H	1:108:A:ALA:O	14	0.28
(3,2217)	1:153:A:PRO:HB2	1:154:A:VAL:H	13	0.28
(3,2217)	1:153:A:PRO:HB3	1:154:A:VAL:H	13	0.28
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG21	11	0.28
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG22	11	0.28
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG23	11	0.28
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG21	11	0.28
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG22	11	0.28
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG23	11	0.28
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG21	13	0.28
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG22	13	0.28
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG23	13	0.28
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG21	13	0.28
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG22	13	0.28
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG23	13	0.28
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB2	6	0.28
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB3	6	0.28
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB2	10	0.28
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB3	10	0.28
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB2	16	0.28
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB3	16	0.28
(3,2005)	1:75:A:ILE:HD11	1:96:A:PHE:HB2	6	0.28
(3,2005)	1:75:A:ILE:HD11	1:96:A:PHE:HB3	6	0.28
(3,2005)	1:75:A:ILE:HD12	1:96:A:PHE:HB2	6	0.28
(3,2005)	1:75:A:ILE:HD12	1:96:A:PHE:HB3	6	0.28
(3,2005)	1:75:A:ILE:HD13	1:96:A:PHE:HB2	6	0.28
(3,2005)	1:75:A:ILE:HD13	1:96:A:PHE:HB3	6	0.28
(3,1953)	1:60:A:GLU:HG2	1:65:A:ILE:H	9	0.28
(3,1953)	1:60:A:GLU:HG3	1:65:A:ILE:H	9	0.28
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB2	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB3	12	0.28
(3,1916)	1:51:A:SER:HB2	1:54:A:ARG:HG2	2	0.28
(3,1916)	1:51:A:SER:HB2	1:54:A:ARG:HG3	2	0.28
(3,1916)	1:51:A:SER:HB3	1:54:A:ARG:HG2	2	0.28
(3,1916)	1:51:A:SER:HB3	1:54:A:ARG:HG3	2	0.28
(3,1915)	1:51:A:SER:HB2	1:54:A:ARG:H	8	0.28
(3,1915)	1:51:A:SER:HB3	1:54:A:ARG:H	8	0.28
(3,1880)	1:45:A:VAL:HA	1:51:A:SER:HB2	6	0.28
(3,1880)	1:45:A:VAL:HA	1:51:A:SER:HB3	6	0.28
(3,1871)	1:44:A:LEU:HB2	1:49:A:LEU:H	10	0.28
(3,1871)	1:44:A:LEU:HB3	1:49:A:LEU:H	10	0.28
(3,1769)	1:16:A:LEU:HB2	1:17:A:ASP:HA	18	0.28
(3,1769)	1:16:A:LEU:HB3	1:17:A:ASP:HA	18	0.28
(3,1769)	1:16:A:LEU:HB2	1:17:A:ASP:HA	20	0.28
(3,1769)	1:16:A:LEU:HB3	1:17:A:ASP:HA	20	0.28
(3,1765)	1:15:A:LEU:HB2	1:50:A:LEU:HD11	20	0.28
(3,1765)	1:15:A:LEU:HB2	1:50:A:LEU:HD12	20	0.28
(3,1765)	1:15:A:LEU:HB2	1:50:A:LEU:HD13	20	0.28
(3,1765)	1:15:A:LEU:HB3	1:50:A:LEU:HD11	20	0.28
(3,1765)	1:15:A:LEU:HB3	1:50:A:LEU:HD12	20	0.28
(3,1765)	1:15:A:LEU:HB3	1:50:A:LEU:HD13	20	0.28
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD21	17	0.28
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD22	17	0.28
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD23	17	0.28
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD21	17	0.28
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD22	17	0.28
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD23	17	0.28
(3,1758)	1:14:A:ALA:HB1	1:62:A:ARG:HD2	11	0.28
(3,1758)	1:14:A:ALA:HB1	1:62:A:ARG:HD3	11	0.28
(3,1758)	1:14:A:ALA:HB2	1:62:A:ARG:HD2	11	0.28
(3,1758)	1:14:A:ALA:HB2	1:62:A:ARG:HD3	11	0.28
(3,1758)	1:14:A:ALA:HB3	1:62:A:ARG:HD2	11	0.28
(3,1758)	1:14:A:ALA:HB3	1:62:A:ARG:HD3	11	0.28
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	7	0.28
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB3	7	0.28
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	7	0.28
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB3	7	0.28
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	7	0.28
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB3	7	0.28
(3,1738)	1:10:A:ARG:HB2	1:13:A:ALA:H	8	0.28
(3,1738)	1:10:A:ARG:HB3	1:13:A:ALA:H	8	0.28
(3,1738)	1:10:A:ARG:HB2	1:13:A:ALA:H	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1738)	1:10:A:ARG:HB3	1:13:A:ALA:H	11	0.28
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG2	9	0.28
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG3	9	0.28
(3,1691)	1:139:A:PHE:HD1	1:143:A:LEU:HD11	6	0.28
(3,1691)	1:139:A:PHE:HD1	1:143:A:LEU:HD12	6	0.28
(3,1691)	1:139:A:PHE:HD1	1:143:A:LEU:HD13	6	0.28
(3,1691)	1:139:A:PHE:HD2	1:143:A:LEU:HD11	6	0.28
(3,1691)	1:139:A:PHE:HD2	1:143:A:LEU:HD12	6	0.28
(3,1691)	1:139:A:PHE:HD2	1:143:A:LEU:HD13	6	0.28
(3,1681)	1:140:A:LEU:HD11	1:141:A:TYR:HA	3	0.28
(3,1681)	1:140:A:LEU:HD12	1:141:A:TYR:HA	3	0.28
(3,1681)	1:140:A:LEU:HD13	1:141:A:TYR:HA	3	0.28
(3,1681)	1:140:A:LEU:HD11	1:141:A:TYR:HA	20	0.28
(3,1681)	1:140:A:LEU:HD12	1:141:A:TYR:HA	20	0.28
(3,1681)	1:140:A:LEU:HD13	1:141:A:TYR:HA	20	0.28
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD11	6	0.28
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD12	6	0.28
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD13	6	0.28
(3,1635)	1:110:A:LEU:HD11	1:136:A:LYS:H	5	0.28
(3,1635)	1:110:A:LEU:HD12	1:136:A:LYS:H	5	0.28
(3,1635)	1:110:A:LEU:HD13	1:136:A:LYS:H	5	0.28
(3,1611)	1:104:A:VAL:HG11	1:128:A:VAL:HB	11	0.28
(3,1611)	1:104:A:VAL:HG12	1:128:A:VAL:HB	11	0.28
(3,1611)	1:104:A:VAL:HG13	1:128:A:VAL:HB	11	0.28
(3,1611)	1:104:A:VAL:HG21	1:128:A:VAL:HB	11	0.28
(3,1611)	1:104:A:VAL:HG22	1:128:A:VAL:HB	11	0.28
(3,1611)	1:104:A:VAL:HG23	1:128:A:VAL:HB	11	0.28
(3,1611)	1:104:A:VAL:HG11	1:128:A:VAL:HB	18	0.28
(3,1611)	1:104:A:VAL:HG12	1:128:A:VAL:HB	18	0.28
(3,1611)	1:104:A:VAL:HG13	1:128:A:VAL:HB	18	0.28
(3,1611)	1:104:A:VAL:HG21	1:128:A:VAL:HB	18	0.28
(3,1611)	1:104:A:VAL:HG22	1:128:A:VAL:HB	18	0.28
(3,1611)	1:104:A:VAL:HG23	1:128:A:VAL:HB	18	0.28
(3,1606)	1:98:A:LEU:HD11	1:99:A:ASP:H	7	0.28
(3,1606)	1:98:A:LEU:HD12	1:99:A:ASP:H	7	0.28
(3,1606)	1:98:A:LEU:HD13	1:99:A:ASP:H	7	0.28
(3,1605)	1:98:A:LEU:HA	1:98:A:LEU:HD11	19	0.28
(3,1605)	1:98:A:LEU:HA	1:98:A:LEU:HD12	19	0.28
(3,1605)	1:98:A:LEU:HA	1:98:A:LEU:HD13	19	0.28
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG21	11	0.28
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG22	11	0.28
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG23	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG21	11	0.28
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG22	11	0.28
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG23	11	0.28
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG21	11	0.28
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG22	11	0.28
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG23	11	0.28
(3,1499)	1:150:A:LEU:HA	1:150:A:LEU:HD11	1	0.28
(3,1499)	1:150:A:LEU:HA	1:150:A:LEU:HD12	1	0.28
(3,1499)	1:150:A:LEU:HA	1:150:A:LEU:HD13	1	0.28
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG21	12	0.28
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG22	12	0.28
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG23	12	0.28
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG21	12	0.28
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG22	12	0.28
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG23	12	0.28
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG21	12	0.28
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG22	12	0.28
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG23	12	0.28
(3,1448)	1:109:A:PHE:HD1	1:133:A:GLN:HA	3	0.28
(3,1448)	1:109:A:PHE:HD2	1:133:A:GLN:HA	3	0.28
(3,1448)	1:109:A:PHE:HD1	1:133:A:GLN:HA	6	0.28
(3,1448)	1:109:A:PHE:HD2	1:133:A:GLN:HA	6	0.28
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG21	8	0.28
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG22	8	0.28
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG23	8	0.28
(3,1337)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	18	0.28
(3,1337)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	18	0.28
(3,1337)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	18	0.28
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG21	6	0.28
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG22	6	0.28
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG23	6	0.28
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG21	6	0.28
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG22	6	0.28
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG23	6	0.28
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG21	6	0.28
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG22	6	0.28
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG23	6	0.28
(3,1302)	1:52:A:GLU:HA	1:55:A:ILE:HG21	9	0.28
(3,1302)	1:52:A:GLU:HA	1:55:A:ILE:HG22	9	0.28
(3,1302)	1:52:A:GLU:HA	1:55:A:ILE:HG23	9	0.28
(3,1272)	1:13:A:ALA:HA	1:17:A:ASP:H	3	0.28
(3,1272)	1:13:A:ALA:HA	1:17:A:ASP:H	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG21	9	0.28
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG22	9	0.28
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG23	9	0.28
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG21	9	0.28
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG22	9	0.28
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG23	9	0.28
(3,1236)	1:121:A:VAL:HA	1:124:A:LEU:HB3	6	0.28
(3,1210)	1:59:A:ILE:HG21	1:133:A:GLN:HG2	5	0.28
(3,1210)	1:59:A:ILE:HG21	1:133:A:GLN:HG3	5	0.28
(3,1210)	1:59:A:ILE:HG22	1:133:A:GLN:HG2	5	0.28
(3,1210)	1:59:A:ILE:HG22	1:133:A:GLN:HG3	5	0.28
(3,1210)	1:59:A:ILE:HG23	1:133:A:GLN:HG2	5	0.28
(3,1210)	1:59:A:ILE:HG23	1:133:A:GLN:HG3	5	0.28
(3,1193)	1:52:A:GLU:HB2	1:55:A:ILE:HD11	6	0.28
(3,1193)	1:52:A:GLU:HB2	1:55:A:ILE:HD12	6	0.28
(3,1193)	1:52:A:GLU:HB2	1:55:A:ILE:HD13	6	0.28
(3,1193)	1:52:A:GLU:HB3	1:55:A:ILE:HD11	6	0.28
(3,1193)	1:52:A:GLU:HB3	1:55:A:ILE:HD12	6	0.28
(3,1193)	1:52:A:GLU:HB3	1:55:A:ILE:HD13	6	0.28
(3,1189)	1:50:A:LEU:HA	1:55:A:ILE:HD11	15	0.28
(3,1189)	1:50:A:LEU:HA	1:55:A:ILE:HD12	15	0.28
(3,1189)	1:50:A:LEU:HA	1:55:A:ILE:HD13	15	0.28
(3,1099)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	11	0.28
(3,1099)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	11	0.28
(3,1099)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	11	0.28
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD11	12	0.28
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD12	12	0.28
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD13	12	0.28
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD11	12	0.28
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD12	12	0.28
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD13	12	0.28
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD11	12	0.28
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD12	12	0.28
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD13	12	0.28
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD11	12	0.28
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD12	12	0.28
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD13	12	0.28
(3,1042)	1:18:A:ALA:HB1	1:20:A:LEU:HD21	7	0.28
(3,1042)	1:18:A:ALA:HB1	1:20:A:LEU:HD22	7	0.28
(3,1042)	1:18:A:ALA:HB1	1:20:A:LEU:HD23	7	0.28
(3,1042)	1:18:A:ALA:HB2	1:20:A:LEU:HD21	7	0.28
(3,1042)	1:18:A:ALA:HB2	1:20:A:LEU:HD22	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1042)	1:18:A:ALA:HB2	1:20:A:LEU:HD23	7	0.28
(3,1042)	1:18:A:ALA:HB3	1:20:A:LEU:HD21	7	0.28
(3,1042)	1:18:A:ALA:HB3	1:20:A:LEU:HD22	7	0.28
(3,1042)	1:18:A:ALA:HB3	1:20:A:LEU:HD23	7	0.28
(3,1001)	1:69:A:GLU:H	1:70:A:LEU:HD11	8	0.28
(3,1001)	1:69:A:GLU:H	1:70:A:LEU:HD12	8	0.28
(3,1001)	1:69:A:GLU:H	1:70:A:LEU:HD13	8	0.28
(3,982)	1:39:A:SER:H	1:43:A:VAL:H	9	0.28
(3,973)	1:30:A:LEU:H	1:33:A:HIS:H	15	0.28
(3,936)	1:11:A:LEU:H	1:13:A:ALA:H	3	0.28
(3,851)	1:89:A:LYS:HA	1:93:A:ALA:H	10	0.28
(3,832)	1:80:A:LYS:H	1:82:A:LEU:HG	11	0.28
(3,822)	1:68:A:VAL:H	1:132:A:TYR:HD1	4	0.28
(3,822)	1:68:A:VAL:H	1:132:A:TYR:HD2	4	0.28
(3,821)	1:67:A:LEU:H	1:68:A:VAL:H	2	0.28
(3,779)	1:39:A:SER:HA	1:41:A:ALA:H	2	0.28
(3,752)	1:23:A:ASP:HB2	1:27:A:GLN:H	11	0.28
(3,752)	1:23:A:ASP:HB3	1:27:A:GLN:H	11	0.28
(3,712)	1:4:A:LEU:HD11	1:8:A:ASP:H	5	0.28
(3,712)	1:4:A:LEU:HD12	1:8:A:ASP:H	5	0.28
(3,712)	1:4:A:LEU:HD13	1:8:A:ASP:H	5	0.28
(3,699)	1:124:A:LEU:HD21	1:125:A:THR:H	17	0.28
(3,699)	1:124:A:LEU:HD22	1:125:A:THR:H	17	0.28
(3,699)	1:124:A:LEU:HD23	1:125:A:THR:H	17	0.28
(3,681)	1:48:A:GLY:H	1:50:A:LEU:H	17	0.28
(3,668)	1:56:A:ALA:HB1	1:133:A:GLN:HE21	2	0.28
(3,668)	1:56:A:ALA:HB2	1:133:A:GLN:HE21	2	0.28
(3,668)	1:56:A:ALA:HB3	1:133:A:GLN:HE21	2	0.28
(3,655)	1:22:A:THR:H	1:25:A:GLU:HA	10	0.28
(3,651)	1:122:A:GLU:HA	1:126:A:GLY:H	7	0.28
(3,651)	1:122:A:GLU:HA	1:126:A:GLY:H	9	0.28
(3,628)	1:109:A:PHE:HB3	1:111:A:ASN:H	20	0.28
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD21	11	0.28
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD22	11	0.28
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD23	11	0.28
(3,553)	1:77:A:PRO:HB3	1:78:A:LYS:H	17	0.28
(3,469)	1:83:A:LEU:HD11	1:87:A:LYS:H	15	0.28
(3,469)	1:83:A:LEU:HD12	1:87:A:LYS:H	15	0.28
(3,469)	1:83:A:LEU:HD13	1:87:A:LYS:H	15	0.28
(3,410)	1:109:A:PHE:HE1	1:132:A:TYR:H	2	0.28
(3,410)	1:109:A:PHE:HE2	1:132:A:TYR:H	2	0.28
(3,408)	1:129:A:VAL:HG21	1:132:A:TYR:H	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,408)	1:129:A:VAL:HG22	1:132:A:TYR:H	10	0.28
(3,408)	1:129:A:VAL:HG23	1:132:A:TYR:H	10	0.28
(3,408)	1:129:A:VAL:HG21	1:132:A:TYR:H	15	0.28
(3,408)	1:129:A:VAL:HG22	1:132:A:TYR:H	15	0.28
(3,408)	1:129:A:VAL:HG23	1:132:A:TYR:H	15	0.28
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD11	11	0.28
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD12	11	0.28
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD13	11	0.28
(3,385)	1:75:A:ILE:HG21	1:80:A:LYS:H	14	0.28
(3,385)	1:75:A:ILE:HG22	1:80:A:LYS:H	14	0.28
(3,385)	1:75:A:ILE:HG23	1:80:A:LYS:H	14	0.28
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG11	4	0.28
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG12	4	0.28
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG13	4	0.28
(3,361)	1:140:A:LEU:HD11	1:141:A:TYR:H	7	0.28
(3,361)	1:140:A:LEU:HD12	1:141:A:TYR:H	7	0.28
(3,361)	1:140:A:LEU:HD13	1:141:A:TYR:H	7	0.28
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG21	15	0.28
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG22	15	0.28
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG23	15	0.28
(3,143)	1:55:A:ILE:HG21	1:59:A:ILE:H	10	0.28
(3,143)	1:55:A:ILE:HG22	1:59:A:ILE:H	10	0.28
(3,143)	1:55:A:ILE:HG23	1:59:A:ILE:H	10	0.28
(3,141)	1:56:A:ALA:HB1	1:59:A:ILE:H	16	0.28
(3,141)	1:56:A:ALA:HB2	1:59:A:ILE:H	16	0.28
(3,141)	1:56:A:ALA:HB3	1:59:A:ILE:H	16	0.28
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD11	13	0.28
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD12	13	0.28
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD13	13	0.28
(3,135)	1:116:A:LEU:HG	1:118:A:LEU:H	1	0.28
(3,135)	1:116:A:LEU:HG	1:118:A:LEU:H	13	0.28
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD21	2	0.28
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD22	2	0.28
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD23	2	0.28
(3,102)	1:107:A:VAL:H	1:118:A:LEU:HD11	11	0.28
(3,102)	1:107:A:VAL:H	1:118:A:LEU:HD12	11	0.28
(3,102)	1:107:A:VAL:H	1:118:A:LEU:HD13	11	0.28
(4,20)	1:94:A:ILE:O	1:108:A:ALA:H	19	0.27
(3,2161)	1:122:A:GLU:HG2	1:128:A:VAL:HA	2	0.27
(3,2161)	1:122:A:GLU:HG3	1:128:A:VAL:HA	2	0.27
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG2	3	0.27
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG3	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB2	12	0.27
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB3	12	0.27
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB2	12	0.27
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB3	12	0.27
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB2	12	0.27
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB3	12	0.27
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG21	6	0.27
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG22	6	0.27
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG23	6	0.27
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG21	6	0.27
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG22	6	0.27
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG23	6	0.27
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB2	8	0.27
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB3	8	0.27
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB2	12	0.27
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB3	12	0.27
(3,1990)	1:70:A:LEU:HB2	1:134:A:THR:HA	20	0.27
(3,1990)	1:70:A:LEU:HB3	1:134:A:THR:HA	20	0.27
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB2	3	0.27
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB3	3	0.27
(3,1917)	1:53:A:ARG:HA	1:53:A:ARG:HD2	6	0.27
(3,1917)	1:53:A:ARG:HA	1:53:A:ARG:HD3	6	0.27
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD11	4	0.27
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD12	4	0.27
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD13	4	0.27
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD11	4	0.27
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD12	4	0.27
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD13	4	0.27
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG2	10	0.27
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG3	10	0.27
(3,1769)	1:16:A:LEU:HB2	1:17:A:ASP:HA	14	0.27
(3,1769)	1:16:A:LEU:HB3	1:17:A:ASP:HA	14	0.27
(3,1562)	1:68:A:VAL:HG21	1:132:A:TYR:HE1	12	0.27
(3,1562)	1:68:A:VAL:HG21	1:132:A:TYR:HE2	12	0.27
(3,1562)	1:68:A:VAL:HG22	1:132:A:TYR:HE1	12	0.27
(3,1562)	1:68:A:VAL:HG22	1:132:A:TYR:HE2	12	0.27
(3,1562)	1:68:A:VAL:HG23	1:132:A:TYR:HE1	12	0.27
(3,1562)	1:68:A:VAL:HG23	1:132:A:TYR:HE2	12	0.27
(3,1537)	1:44:A:LEU:HD21	1:55:A:ILE:HG12	8	0.27
(3,1537)	1:44:A:LEU:HD21	1:55:A:ILE:HG13	8	0.27
(3,1537)	1:44:A:LEU:HD22	1:55:A:ILE:HG12	8	0.27
(3,1537)	1:44:A:LEU:HD22	1:55:A:ILE:HG13	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1537)	1:44:A:LEU:HD23	1:55:A:ILE:HG12	8	0.27
(3,1537)	1:44:A:LEU:HD23	1:55:A:ILE:HG13	8	0.27
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG21	19	0.27
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG22	19	0.27
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG23	19	0.27
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG21	19	0.27
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG22	19	0.27
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG23	19	0.27
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG21	19	0.27
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG22	19	0.27
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG23	19	0.27
(3,1493)	1:107:A:VAL:HG11	1:118:A:LEU:HG	7	0.27
(3,1493)	1:107:A:VAL:HG12	1:118:A:LEU:HG	7	0.27
(3,1493)	1:107:A:VAL:HG13	1:118:A:LEU:HG	7	0.27
(3,1493)	1:107:A:VAL:HG11	1:118:A:LEU:HG	17	0.27
(3,1493)	1:107:A:VAL:HG12	1:118:A:LEU:HG	17	0.27
(3,1493)	1:107:A:VAL:HG13	1:118:A:LEU:HG	17	0.27
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD21	2	0.27
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD22	2	0.27
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD23	2	0.27
(3,1465)	1:65:A:ILE:HG21	1:66:A:PRO:HG2	3	0.27
(3,1465)	1:65:A:ILE:HG21	1:66:A:PRO:HG3	3	0.27
(3,1465)	1:65:A:ILE:HG22	1:66:A:PRO:HG2	3	0.27
(3,1465)	1:65:A:ILE:HG22	1:66:A:PRO:HG3	3	0.27
(3,1465)	1:65:A:ILE:HG23	1:66:A:PRO:HG2	3	0.27
(3,1465)	1:65:A:ILE:HG23	1:66:A:PRO:HG3	3	0.27
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG21	4	0.27
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG22	4	0.27
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG23	4	0.27
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG21	7	0.27
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG22	7	0.27
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG23	7	0.27
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG21	5	0.27
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG22	5	0.27
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG23	5	0.27
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE1	5	0.27
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE2	5	0.27
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE1	5	0.27
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE2	5	0.27
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE1	5	0.27
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE2	5	0.27
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD2	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD3	15	0.27
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG21	4	0.27
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG22	4	0.27
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG23	4	0.27
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG21	17	0.27
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG22	17	0.27
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG23	17	0.27
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG21	17	0.27
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG22	17	0.27
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG23	17	0.27
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG21	17	0.27
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG22	17	0.27
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG23	17	0.27
(3,1277)	1:14:A:ALA:HB1	1:62:A:ARG:HD2	18	0.27
(3,1277)	1:14:A:ALA:HB2	1:62:A:ARG:HD2	18	0.27
(3,1277)	1:14:A:ALA:HB3	1:62:A:ARG:HD2	18	0.27
(3,1277)	1:14:A:ALA:HB1	1:62:A:ARG:HD3	18	0.27
(3,1277)	1:14:A:ALA:HB2	1:62:A:ARG:HD3	18	0.27
(3,1277)	1:14:A:ALA:HB3	1:62:A:ARG:HD3	18	0.27
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB1	11	0.27
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB2	11	0.27
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB3	11	0.27
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB1	11	0.27
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB2	11	0.27
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB3	11	0.27
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB1	11	0.27
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB2	11	0.27
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB3	11	0.27
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG21	8	0.27
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG22	8	0.27
(3,1245)	1:52:A:GLU:HB2	1:135:A:THR:HG23	8	0.27
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG21	8	0.27
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG22	8	0.27
(3,1245)	1:52:A:GLU:HB3	1:135:A:THR:HG23	8	0.27
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD11	13	0.27
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD12	13	0.27
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD13	13	0.27
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD11	13	0.27
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD12	13	0.27
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD13	13	0.27
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD11	13	0.27
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD12	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD13	13	0.27
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD11	9	0.27
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD12	9	0.27
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD13	9	0.27
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD11	9	0.27
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD12	9	0.27
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD13	9	0.27
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD11	9	0.27
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD12	9	0.27
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD13	9	0.27
(3,986)	1:43:A:VAL:HB	1:46:A:ASP:H	15	0.27
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG21	20	0.27
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG22	20	0.27
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG23	20	0.27
(3,851)	1:89:A:LYS:HA	1:93:A:ALA:H	2	0.27
(3,850)	1:92:A:LYS:HG2	1:93:A:ALA:H	20	0.27
(3,850)	1:92:A:LYS:HG3	1:93:A:ALA:H	20	0.27
(3,832)	1:80:A:LYS:H	1:82:A:LEU:HG	14	0.27
(3,832)	1:80:A:LYS:H	1:82:A:LEU:HG	16	0.27
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB2	4	0.27
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB3	4	0.27
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB2	9	0.27
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB3	9	0.27
(3,744)	1:45:A:VAL:HG11	1:52:A:GLU:H	15	0.27
(3,744)	1:45:A:VAL:HG12	1:52:A:GLU:H	15	0.27
(3,744)	1:45:A:VAL:HG13	1:52:A:GLU:H	15	0.27
(3,731)	1:18:A:ALA:H	1:20:A:LEU:HG	7	0.27
(3,712)	1:4:A:LEU:HD11	1:8:A:ASP:H	18	0.27
(3,712)	1:4:A:LEU:HD12	1:8:A:ASP:H	18	0.27
(3,712)	1:4:A:LEU:HD13	1:8:A:ASP:H	18	0.27
(3,684)	1:48:A:GLY:H	1:49:A:LEU:HG	10	0.27
(3,681)	1:48:A:GLY:H	1:50:A:LEU:H	7	0.27
(3,681)	1:48:A:GLY:H	1:50:A:LEU:H	14	0.27
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD21	3	0.27
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD22	3	0.27
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD23	3	0.27
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD21	8	0.27
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD22	8	0.27
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD23	8	0.27
(3,553)	1:77:A:PRO:HB3	1:78:A:LYS:H	7	0.27
(3,518)	1:94:A:ILE:H	1:94:A:ILE:HG12	1	0.27
(3,500)	1:85:A:ALA:HB1	1:147:A:TYR:H	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,500)	1:85:A:ALA:HB2	1:147:A:TYR:H	14	0.27
(3,500)	1:85:A:ALA:HB3	1:147:A:TYR:H	14	0.27
(3,500)	1:85:A:ALA:HB1	1:147:A:TYR:H	16	0.27
(3,500)	1:85:A:ALA:HB2	1:147:A:TYR:H	16	0.27
(3,500)	1:85:A:ALA:HB3	1:147:A:TYR:H	16	0.27
(3,410)	1:109:A:PHE:HE1	1:132:A:TYR:H	19	0.27
(3,410)	1:109:A:PHE:HE2	1:132:A:TYR:H	19	0.27
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD11	16	0.27
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD12	16	0.27
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD13	16	0.27
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG11	10	0.27
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG12	10	0.27
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG13	10	0.27
(3,211)	1:121:A:VAL:HG21	1:123:A:ASP:H	9	0.27
(3,211)	1:121:A:VAL:HG22	1:123:A:ASP:H	9	0.27
(3,211)	1:121:A:VAL:HG23	1:123:A:ASP:H	9	0.27
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG11	3	0.27
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG12	3	0.27
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG13	3	0.27
(3,135)	1:116:A:LEU:HG	1:118:A:LEU:H	7	0.27
(3,116)	1:68:A:VAL:H	1:108:A:ALA:HB1	14	0.27
(3,116)	1:68:A:VAL:H	1:108:A:ALA:HB2	14	0.27
(3,116)	1:68:A:VAL:H	1:108:A:ALA:HB3	14	0.27
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE1	5	0.27
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE2	5	0.27
(3,92)	1:121:A:VAL:HG21	1:122:A:GLU:H	12	0.27
(3,92)	1:121:A:VAL:HG22	1:122:A:GLU:H	12	0.27
(3,92)	1:121:A:VAL:HG23	1:122:A:GLU:H	12	0.27
(3,78)	1:11:A:LEU:HD21	1:40:A:LEU:H	2	0.27
(3,78)	1:11:A:LEU:HD22	1:40:A:LEU:H	2	0.27
(3,78)	1:11:A:LEU:HD23	1:40:A:LEU:H	2	0.27
(3,74)	1:5:A:THR:HG21	1:40:A:LEU:H	2	0.27
(3,74)	1:5:A:THR:HG22	1:40:A:LEU:H	2	0.27
(3,74)	1:5:A:THR:HG23	1:40:A:LEU:H	2	0.27
(3,33)	1:99:A:ASP:H	1:105:A:VAL:HB	17	0.27
(3,23)	1:122:A:GLU:HB2	1:129:A:VAL:H	1	0.27
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG21	9	0.26
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG22	9	0.26
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG23	9	0.26
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG21	9	0.26
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG22	9	0.26
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG23	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2097)	1:105:A:VAL:H	1:127:A:LEU:HB2	19	0.26
(3,2097)	1:105:A:VAL:H	1:127:A:LEU:HB3	19	0.26
(3,2070)	1:95:A:PRO:HB2	1:97:A:ALA:H	12	0.26
(3,2070)	1:95:A:PRO:HB3	1:97:A:ALA:H	12	0.26
(3,2058)	1:91:A:LEU:HD21	1:120:A:GLU:HB2	8	0.26
(3,2058)	1:91:A:LEU:HD21	1:120:A:GLU:HB3	8	0.26
(3,2058)	1:91:A:LEU:HD22	1:120:A:GLU:HB2	8	0.26
(3,2058)	1:91:A:LEU:HD22	1:120:A:GLU:HB3	8	0.26
(3,2058)	1:91:A:LEU:HD23	1:120:A:GLU:HB2	8	0.26
(3,2058)	1:91:A:LEU:HD23	1:120:A:GLU:HB3	8	0.26
(3,2007)	1:77:A:PRO:HB2	1:78:A:LYS:H	3	0.26
(3,2007)	1:77:A:PRO:HB3	1:78:A:LYS:H	3	0.26
(3,2007)	1:77:A:PRO:HB2	1:78:A:LYS:H	17	0.26
(3,2007)	1:77:A:PRO:HB3	1:78:A:LYS:H	17	0.26
(3,2005)	1:75:A:ILE:HD11	1:96:A:PHE:HB2	8	0.26
(3,2005)	1:75:A:ILE:HD11	1:96:A:PHE:HB3	8	0.26
(3,2005)	1:75:A:ILE:HD12	1:96:A:PHE:HB2	8	0.26
(3,2005)	1:75:A:ILE:HD12	1:96:A:PHE:HB3	8	0.26
(3,2005)	1:75:A:ILE:HD13	1:96:A:PHE:HB2	8	0.26
(3,2005)	1:75:A:ILE:HD13	1:96:A:PHE:HB3	8	0.26
(3,1984)	1:68:A:VAL:HG21	1:70:A:LEU:HB2	8	0.26
(3,1984)	1:68:A:VAL:HG21	1:70:A:LEU:HB3	8	0.26
(3,1984)	1:68:A:VAL:HG22	1:70:A:LEU:HB2	8	0.26
(3,1984)	1:68:A:VAL:HG22	1:70:A:LEU:HB3	8	0.26
(3,1984)	1:68:A:VAL:HG23	1:70:A:LEU:HB2	8	0.26
(3,1984)	1:68:A:VAL:HG23	1:70:A:LEU:HB3	8	0.26
(3,1950)	1:60:A:GLU:H	1:133:A:GLN:HE21	2	0.26
(3,1950)	1:60:A:GLU:H	1:133:A:GLN:HE22	2	0.26
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB2	1	0.26
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB3	1	0.26
(3,1906)	1:50:A:LEU:HB2	1:55:A:ILE:HA	10	0.26
(3,1906)	1:50:A:LEU:HB3	1:55:A:ILE:HA	10	0.26
(3,1906)	1:50:A:LEU:HB2	1:55:A:ILE:HA	16	0.26
(3,1906)	1:50:A:LEU:HB3	1:55:A:ILE:HA	16	0.26
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD11	3	0.26
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD12	3	0.26
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD13	3	0.26
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD11	3	0.26
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD12	3	0.26
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD13	3	0.26
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB2	8	0.26
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB3	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1783)	1:21:A:LEU:HB2	1:22:A:THR:HA	2	0.26
(3,1783)	1:21:A:LEU:HB3	1:22:A:THR:HA	2	0.26
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG2	1	0.26
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG3	1	0.26
(3,1681)	1:140:A:LEU:HD11	1:141:A:TYR:HA	16	0.26
(3,1681)	1:140:A:LEU:HD12	1:141:A:TYR:HA	16	0.26
(3,1681)	1:140:A:LEU:HD13	1:141:A:TYR:HA	16	0.26
(3,1635)	1:110:A:LEU:HD11	1:136:A:LYS:H	8	0.26
(3,1635)	1:110:A:LEU:HD12	1:136:A:LYS:H	8	0.26
(3,1635)	1:110:A:LEU:HD13	1:136:A:LYS:H	8	0.26
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG21	2	0.26
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG22	2	0.26
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG23	2	0.26
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG21	2	0.26
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG22	2	0.26
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG23	2	0.26
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG21	2	0.26
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG22	2	0.26
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG23	2	0.26
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG21	12	0.26
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG22	12	0.26
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG23	12	0.26
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG21	12	0.26
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG22	12	0.26
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG23	12	0.26
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG21	12	0.26
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG22	12	0.26
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG23	12	0.26
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE1	2	0.26
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE2	2	0.26
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE1	2	0.26
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE2	2	0.26
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE1	2	0.26
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE2	2	0.26
(3,1611)	1:104:A:VAL:HG11	1:128:A:VAL:HB	7	0.26
(3,1611)	1:104:A:VAL:HG12	1:128:A:VAL:HB	7	0.26
(3,1611)	1:104:A:VAL:HG13	1:128:A:VAL:HB	7	0.26
(3,1611)	1:104:A:VAL:HG21	1:128:A:VAL:HB	7	0.26
(3,1611)	1:104:A:VAL:HG22	1:128:A:VAL:HB	7	0.26
(3,1611)	1:104:A:VAL:HG23	1:128:A:VAL:HB	7	0.26
(3,1519)	1:30:A:LEU:HG	1:40:A:LEU:HD11	9	0.26
(3,1519)	1:30:A:LEU:HG	1:40:A:LEU:HD12	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1519)	1:30:A:LEU:HG	1:40:A:LEU:HD13	9	0.26
(3,1516)	1:30:A:LEU:HD21	1:40:A:LEU:HD11	14	0.26
(3,1516)	1:30:A:LEU:HD21	1:40:A:LEU:HD12	14	0.26
(3,1516)	1:30:A:LEU:HD21	1:40:A:LEU:HD13	14	0.26
(3,1516)	1:30:A:LEU:HD22	1:40:A:LEU:HD11	14	0.26
(3,1516)	1:30:A:LEU:HD22	1:40:A:LEU:HD12	14	0.26
(3,1516)	1:30:A:LEU:HD22	1:40:A:LEU:HD13	14	0.26
(3,1516)	1:30:A:LEU:HD23	1:40:A:LEU:HD11	14	0.26
(3,1516)	1:30:A:LEU:HD23	1:40:A:LEU:HD12	14	0.26
(3,1516)	1:30:A:LEU:HD23	1:40:A:LEU:HD13	14	0.26
(3,1493)	1:107:A:VAL:HG11	1:118:A:LEU:HG	12	0.26
(3,1493)	1:107:A:VAL:HG12	1:118:A:LEU:HG	12	0.26
(3,1493)	1:107:A:VAL:HG13	1:118:A:LEU:HG	12	0.26
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD11	1	0.26
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD12	1	0.26
(3,1469)	1:88:A:ALA:HB1	1:94:A:ILE:HD13	1	0.26
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD11	1	0.26
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD12	1	0.26
(3,1469)	1:88:A:ALA:HB2	1:94:A:ILE:HD13	1	0.26
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD11	1	0.26
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD12	1	0.26
(3,1469)	1:88:A:ALA:HB3	1:94:A:ILE:HD13	1	0.26
(3,1438)	1:109:A:PHE:HD1	1:131:A:PRO:HA	11	0.26
(3,1438)	1:109:A:PHE:HD2	1:131:A:PRO:HA	11	0.26
(3,1362)	1:94:A:ILE:HG21	1:139:A:PHE:HA	10	0.26
(3,1362)	1:94:A:ILE:HG22	1:139:A:PHE:HA	10	0.26
(3,1362)	1:94:A:ILE:HG23	1:139:A:PHE:HA	10	0.26
(3,1361)	1:94:A:ILE:HG21	1:95:A:PRO:HG2	7	0.26
(3,1361)	1:94:A:ILE:HG21	1:95:A:PRO:HG3	7	0.26
(3,1361)	1:94:A:ILE:HG22	1:95:A:PRO:HG2	7	0.26
(3,1361)	1:94:A:ILE:HG22	1:95:A:PRO:HG3	7	0.26
(3,1361)	1:94:A:ILE:HG23	1:95:A:PRO:HG2	7	0.26
(3,1361)	1:94:A:ILE:HG23	1:95:A:PRO:HG3	7	0.26
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE1	6	0.26
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE2	6	0.26
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE1	6	0.26
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE2	6	0.26
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE1	6	0.26
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE2	6	0.26
(3,1315)	1:59:A:ILE:HG21	1:65:A:ILE:HA	4	0.26
(3,1315)	1:59:A:ILE:HG22	1:65:A:ILE:HA	4	0.26
(3,1315)	1:59:A:ILE:HG23	1:65:A:ILE:HA	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1308)	1:20:A:LEU:HD21	1:58:A:THR:HA	17	0.26
(3,1308)	1:20:A:LEU:HD22	1:58:A:THR:HA	17	0.26
(3,1308)	1:20:A:LEU:HD23	1:58:A:THR:HA	17	0.26
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG21	11	0.26
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG22	11	0.26
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG23	11	0.26
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG21	11	0.26
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG22	11	0.26
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG23	11	0.26
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG21	11	0.26
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG22	11	0.26
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG23	11	0.26
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB1	17	0.26
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB2	17	0.26
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB3	17	0.26
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB1	17	0.26
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB2	17	0.26
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB3	17	0.26
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB1	17	0.26
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB2	17	0.26
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB3	17	0.26
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD11	18	0.26
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD12	18	0.26
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD13	18	0.26
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD11	18	0.26
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD12	18	0.26
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD13	18	0.26
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD11	18	0.26
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD12	18	0.26
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD13	18	0.26
(3,1115)	1:136:A:LYS:HE2	1:140:A:LEU:HD11	3	0.26
(3,1115)	1:136:A:LYS:HE2	1:140:A:LEU:HD12	3	0.26
(3,1115)	1:136:A:LYS:HE2	1:140:A:LEU:HD13	3	0.26
(3,1115)	1:136:A:LYS:HE3	1:140:A:LEU:HD11	3	0.26
(3,1115)	1:136:A:LYS:HE3	1:140:A:LEU:HD12	3	0.26
(3,1115)	1:136:A:LYS:HE3	1:140:A:LEU:HD13	3	0.26
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD11	11	0.26
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD12	11	0.26
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD13	11	0.26
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD11	11	0.26
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD12	11	0.26
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD13	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD11	11	0.26
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD12	11	0.26
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD13	11	0.26
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD11	14	0.26
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD12	14	0.26
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD13	14	0.26
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD11	14	0.26
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD12	14	0.26
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD13	14	0.26
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD11	14	0.26
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD12	14	0.26
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD13	14	0.26
(3,1005)	1:106:A:ARG:HA	1:132:A:TYR:H	17	0.26
(3,936)	1:11:A:LEU:H	1:13:A:ALA:H	10	0.26
(3,936)	1:11:A:LEU:H	1:13:A:ALA:H	17	0.26
(3,891)	1:121:A:VAL:H	1:123:A:ASP:H	14	0.26
(3,861)	1:99:A:ASP:H	1:106:A:ARG:H	13	0.26
(3,853)	1:93:A:ALA:H	1:139:A:PHE:HD1	7	0.26
(3,853)	1:93:A:ALA:H	1:139:A:PHE:HD2	7	0.26
(3,821)	1:67:A:LEU:H	1:68:A:VAL:H	12	0.26
(3,811)	1:62:A:ARG:H	1:64:A:GLY:H	10	0.26
(3,781)	1:41:A:ALA:H	1:55:A:ILE:HG12	6	0.26
(3,781)	1:41:A:ALA:H	1:55:A:ILE:HG13	6	0.26
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB2	19	0.26
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB3	19	0.26
(3,761)	1:27:A:GLN:HG2	1:30:A:LEU:H	6	0.26
(3,761)	1:27:A:GLN:HG3	1:30:A:LEU:H	6	0.26
(3,756)	1:27:A:GLN:HB2	1:29:A:ALA:H	11	0.26
(3,756)	1:27:A:GLN:HB3	1:29:A:ALA:H	11	0.26
(3,753)	1:26:A:LEU:HD21	1:27:A:GLN:H	14	0.26
(3,753)	1:26:A:LEU:HD22	1:27:A:GLN:H	14	0.26
(3,753)	1:26:A:LEU:HD23	1:27:A:GLN:H	14	0.26
(3,745)	1:51:A:SER:H	1:54:A:ARG:H	17	0.26
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD21	20	0.26
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD22	20	0.26
(3,721)	1:25:A:GLU:H	1:26:A:LEU:HD23	20	0.26
(3,705)	1:2:A:SER:H	1:3:A:VAL:HA	5	0.26
(3,705)	1:2:A:SER:H	1:3:A:VAL:HA	12	0.26
(3,647)	1:126:A:GLY:H	1:127:A:LEU:HG	11	0.26
(3,643)	1:33:A:HIS:HA	1:37:A:GLY:H	18	0.26
(3,638)	1:84:A:PRO:HB3	1:86:A:GLU:H	4	0.26
(3,596)	1:83:A:LEU:HD11	1:89:A:LYS:H	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,596)	1:83:A:LEU:HD12	1:89:A:LYS:H	15	0.26
(3,596)	1:83:A:LEU:HD13	1:89:A:LYS:H	15	0.26
(3,550)	1:145:A:LYS:H	1:145:A:LYS:HE2	3	0.26
(3,550)	1:145:A:LYS:H	1:145:A:LYS:HE3	3	0.26
(3,518)	1:94:A:ILE:H	1:94:A:ILE:HG12	7	0.26
(3,515)	1:94:A:ILE:H	1:139:A:PHE:HE1	6	0.26
(3,515)	1:94:A:ILE:H	1:139:A:PHE:HE2	6	0.26
(3,497)	1:143:A:LEU:HA	1:147:A:TYR:H	3	0.26
(3,457)	1:26:A:LEU:HD21	1:27:A:GLN:H	13	0.26
(3,457)	1:26:A:LEU:HD22	1:27:A:GLN:H	13	0.26
(3,457)	1:26:A:LEU:HD23	1:27:A:GLN:H	13	0.26
(3,413)	1:107:A:VAL:HB	1:132:A:TYR:H	15	0.26
(3,395)	1:25:A:GLU:HB2	1:26:A:LEU:H	12	0.26
(3,341)	1:61:A:ASP:H	1:64:A:GLY:H	10	0.26
(3,338)	1:57:A:GLN:H	1:58:A:THR:HB	16	0.26
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD11	3	0.26
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD12	3	0.26
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD13	3	0.26
(3,275)	1:11:A:LEU:HA	1:13:A:ALA:H	5	0.26
(3,275)	1:11:A:LEU:HA	1:13:A:ALA:H	19	0.26
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD21	2	0.26
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD22	2	0.26
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD23	2	0.26
(3,273)	1:150:A:LEU:H	1:150:A:LEU:HD11	12	0.26
(3,273)	1:150:A:LEU:H	1:150:A:LEU:HD12	12	0.26
(3,273)	1:150:A:LEU:H	1:150:A:LEU:HD13	12	0.26
(3,242)	1:9:A:LYS:H	1:9:A:LYS:HD2	2	0.26
(3,242)	1:9:A:LYS:H	1:9:A:LYS:HD3	2	0.26
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG21	16	0.26
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG22	16	0.26
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG23	16	0.26
(3,223)	1:109:A:PHE:H	1:133:A:GLN:HG2	15	0.26
(3,223)	1:109:A:PHE:H	1:133:A:GLN:HG3	15	0.26
(3,214)	1:109:A:PHE:H	1:134:A:THR:HB	4	0.26
(3,191)	1:56:A:ALA:H	1:59:A:ILE:HB	14	0.26
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD2	15	0.26
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD3	15	0.26
(3,145)	1:144:A:ALA:HB1	1:152:A:LEU:H	1	0.26
(3,145)	1:144:A:ALA:HB2	1:152:A:LEU:H	1	0.26
(3,145)	1:144:A:ALA:HB3	1:152:A:LEU:H	1	0.26
(3,105)	1:93:A:ALA:H	1:139:A:PHE:HE1	11	0.26
(3,105)	1:93:A:ALA:H	1:139:A:PHE:HE2	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE1	9	0.26
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE2	9	0.26
(3,92)	1:121:A:VAL:HG21	1:122:A:GLU:H	4	0.26
(3,92)	1:121:A:VAL:HG22	1:122:A:GLU:H	4	0.26
(3,92)	1:121:A:VAL:HG23	1:122:A:GLU:H	4	0.26
(3,92)	1:121:A:VAL:HG21	1:122:A:GLU:H	6	0.26
(3,92)	1:121:A:VAL:HG22	1:122:A:GLU:H	6	0.26
(3,92)	1:121:A:VAL:HG23	1:122:A:GLU:H	6	0.26
(3,2181)	1:134:A:THR:HG21	1:139:A:PHE:HB2	6	0.25
(3,2181)	1:134:A:THR:HG21	1:139:A:PHE:HB3	6	0.25
(3,2181)	1:134:A:THR:HG22	1:139:A:PHE:HB2	6	0.25
(3,2181)	1:134:A:THR:HG22	1:139:A:PHE:HB3	6	0.25
(3,2181)	1:134:A:THR:HG23	1:139:A:PHE:HB2	6	0.25
(3,2181)	1:134:A:THR:HG23	1:139:A:PHE:HB3	6	0.25
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG21	8	0.25
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG22	8	0.25
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG23	8	0.25
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG21	8	0.25
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG22	8	0.25
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG23	8	0.25
(3,2146)	1:120:A:GLU:HA	1:123:A:ASP:HB2	7	0.25
(3,2146)	1:120:A:GLU:HA	1:123:A:ASP:HB3	7	0.25
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB2	3	0.25
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB3	3	0.25
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB2	3	0.25
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB3	3	0.25
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB2	3	0.25
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB3	3	0.25
(3,2104)	1:109:A:PHE:H	1:132:A:TYR:HB2	15	0.25
(3,2104)	1:109:A:PHE:H	1:132:A:TYR:HB3	15	0.25
(3,2101)	1:106:A:ARG:HD2	1:132:A:TYR:HE1	6	0.25
(3,2101)	1:106:A:ARG:HD2	1:132:A:TYR:HE2	6	0.25
(3,2101)	1:106:A:ARG:HD3	1:132:A:TYR:HE1	6	0.25
(3,2101)	1:106:A:ARG:HD3	1:132:A:TYR:HE2	6	0.25
(3,2073)	1:96:A:PHE:HB2	1:108:A:ALA:H	11	0.25
(3,2073)	1:96:A:PHE:HB3	1:108:A:ALA:H	11	0.25
(3,2066)	1:93:A:ALA:H	1:94:A:ILE:HG12	16	0.25
(3,2066)	1:93:A:ALA:H	1:94:A:ILE:HG13	16	0.25
(3,2027)	1:84:A:PRO:HB2	1:87:A:LYS:H	15	0.25
(3,2027)	1:84:A:PRO:HB3	1:87:A:LYS:H	15	0.25
(3,2027)	1:84:A:PRO:HB2	1:87:A:LYS:H	16	0.25
(3,2027)	1:84:A:PRO:HB3	1:87:A:LYS:H	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB2	18	0.25
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB3	18	0.25
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB2	16	0.25
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB3	16	0.25
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB2	17	0.25
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB3	17	0.25
(3,1907)	1:50:A:LEU:HB2	1:55:A:ILE:HB	10	0.25
(3,1907)	1:50:A:LEU:HB3	1:55:A:ILE:HB	10	0.25
(3,1907)	1:50:A:LEU:HB2	1:55:A:ILE:HB	20	0.25
(3,1907)	1:50:A:LEU:HB3	1:55:A:ILE:HB	20	0.25
(3,1906)	1:50:A:LEU:HB2	1:55:A:ILE:HA	12	0.25
(3,1906)	1:50:A:LEU:HB3	1:55:A:ILE:HA	12	0.25
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD11	8	0.25
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD12	8	0.25
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD13	8	0.25
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD11	8	0.25
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD12	8	0.25
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD13	8	0.25
(3,1831)	1:32:A:ARG:HD2	1:37:A:GLY:H	5	0.25
(3,1831)	1:32:A:ARG:HD3	1:37:A:GLY:H	5	0.25
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG2	8	0.25
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG3	8	0.25
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB2	15	0.25
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB3	15	0.25
(3,1784)	1:21:A:LEU:HB2	1:25:A:GLU:H	7	0.25
(3,1784)	1:21:A:LEU:HB3	1:25:A:GLU:H	7	0.25
(3,1783)	1:21:A:LEU:HB2	1:22:A:THR:HA	6	0.25
(3,1783)	1:21:A:LEU:HB3	1:22:A:THR:HA	6	0.25
(3,1769)	1:16:A:LEU:HB2	1:17:A:ASP:HA	19	0.25
(3,1769)	1:16:A:LEU:HB3	1:17:A:ASP:HA	19	0.25
(3,1730)	1:9:A:LYS:H	1:9:A:LYS:HG2	12	0.25
(3,1730)	1:9:A:LYS:H	1:9:A:LYS:HG3	12	0.25
(3,1579)	1:79:A:VAL:HG11	1:98:A:LEU:H	2	0.25
(3,1579)	1:79:A:VAL:HG12	1:98:A:LEU:H	2	0.25
(3,1579)	1:79:A:VAL:HG13	1:98:A:LEU:H	2	0.25
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG11	2	0.25
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG12	2	0.25
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG13	2	0.25
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG11	2	0.25
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG12	2	0.25
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG13	2	0.25
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG11	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG12	2	0.25
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG13	2	0.25
(3,1551)	1:15:A:LEU:HD11	1:50:A:LEU:HD11	20	0.25
(3,1551)	1:15:A:LEU:HD11	1:50:A:LEU:HD12	20	0.25
(3,1551)	1:15:A:LEU:HD11	1:50:A:LEU:HD13	20	0.25
(3,1551)	1:15:A:LEU:HD12	1:50:A:LEU:HD11	20	0.25
(3,1551)	1:15:A:LEU:HD12	1:50:A:LEU:HD12	20	0.25
(3,1551)	1:15:A:LEU:HD12	1:50:A:LEU:HD13	20	0.25
(3,1551)	1:15:A:LEU:HD13	1:50:A:LEU:HD11	20	0.25
(3,1551)	1:15:A:LEU:HD13	1:50:A:LEU:HD12	20	0.25
(3,1551)	1:15:A:LEU:HD13	1:50:A:LEU:HD13	20	0.25
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG21	19	0.25
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG22	19	0.25
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG23	19	0.25
(3,1518)	1:29:A:ALA:HB1	1:40:A:LEU:HD11	8	0.25
(3,1518)	1:29:A:ALA:HB1	1:40:A:LEU:HD12	8	0.25
(3,1518)	1:29:A:ALA:HB1	1:40:A:LEU:HD13	8	0.25
(3,1518)	1:29:A:ALA:HB2	1:40:A:LEU:HD11	8	0.25
(3,1518)	1:29:A:ALA:HB2	1:40:A:LEU:HD12	8	0.25
(3,1518)	1:29:A:ALA:HB2	1:40:A:LEU:HD13	8	0.25
(3,1518)	1:29:A:ALA:HB3	1:40:A:LEU:HD11	8	0.25
(3,1518)	1:29:A:ALA:HB3	1:40:A:LEU:HD12	8	0.25
(3,1518)	1:29:A:ALA:HB3	1:40:A:LEU:HD13	8	0.25
(3,1438)	1:109:A:PHE:HD1	1:131:A:PRO:HA	13	0.25
(3,1438)	1:109:A:PHE:HD2	1:131:A:PRO:HA	13	0.25
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG21	11	0.25
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG22	11	0.25
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG23	11	0.25
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG21	17	0.25
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG22	17	0.25
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG23	17	0.25
(3,1324)	1:6:A:ILE:HG21	1:115:A:THR:HA	9	0.25
(3,1324)	1:6:A:ILE:HG22	1:115:A:THR:HA	9	0.25
(3,1324)	1:6:A:ILE:HG23	1:115:A:THR:HA	9	0.25
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG21	2	0.25
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG22	2	0.25
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG23	2	0.25
(3,1282)	1:4:A:LEU:HB2	1:5:A:THR:HB	15	0.25
(3,1282)	1:4:A:LEU:HB3	1:5:A:THR:HB	15	0.25
(3,1272)	1:13:A:ALA:HA	1:17:A:ASP:H	9	0.25
(3,1266)	1:2:A:SER:HB2	1:3:A:VAL:HA	14	0.25
(3,1266)	1:2:A:SER:HB3	1:3:A:VAL:HA	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD11	1	0.25
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD12	1	0.25
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD13	1	0.25
(3,983)	1:40:A:LEU:H	1:43:A:VAL:H	11	0.25
(3,982)	1:39:A:SER:H	1:43:A:VAL:H	11	0.25
(3,978)	1:32:A:ARG:H	1:34:A:ARG:HB2	5	0.25
(3,978)	1:32:A:ARG:H	1:34:A:ARG:HB3	5	0.25
(3,927)	1:145:A:LYS:H	1:147:A:TYR:H	17	0.25
(3,901)	1:104:A:VAL:HG11	1:128:A:VAL:H	14	0.25
(3,901)	1:104:A:VAL:HG12	1:128:A:VAL:H	14	0.25
(3,901)	1:104:A:VAL:HG13	1:128:A:VAL:H	14	0.25
(3,901)	1:104:A:VAL:HG21	1:128:A:VAL:H	14	0.25
(3,901)	1:104:A:VAL:HG22	1:128:A:VAL:H	14	0.25
(3,901)	1:104:A:VAL:HG23	1:128:A:VAL:H	14	0.25
(3,861)	1:99:A:ASP:H	1:106:A:ARG:H	8	0.25
(3,832)	1:80:A:LYS:H	1:82:A:LEU:HG	8	0.25
(3,811)	1:62:A:ARG:H	1:64:A:GLY:H	20	0.25
(3,808)	1:61:A:ASP:H	1:65:A:ILE:H	3	0.25
(3,789)	1:45:A:VAL:H	1:48:A:GLY:H	11	0.25
(3,763)	1:32:A:ARG:H	1:35:A:GLU:H	6	0.25
(3,752)	1:23:A:ASP:HB2	1:27:A:GLN:H	17	0.25
(3,752)	1:23:A:ASP:HB3	1:27:A:GLN:H	17	0.25
(3,711)	1:6:A:ILE:HG21	1:8:A:ASP:H	12	0.25
(3,711)	1:6:A:ILE:HG22	1:8:A:ASP:H	12	0.25
(3,711)	1:6:A:ILE:HG23	1:8:A:ASP:H	12	0.25
(3,699)	1:124:A:LEU:HD21	1:125:A:THR:H	2	0.25
(3,699)	1:124:A:LEU:HD22	1:125:A:THR:H	2	0.25
(3,699)	1:124:A:LEU:HD23	1:125:A:THR:H	2	0.25
(3,682)	1:150:A:LEU:HD21	1:151:A:GLY:H	2	0.25
(3,682)	1:150:A:LEU:HD22	1:151:A:GLY:H	2	0.25
(3,682)	1:150:A:LEU:HD23	1:151:A:GLY:H	2	0.25
(3,681)	1:48:A:GLY:H	1:50:A:LEU:H	3	0.25
(3,673)	1:59:A:ILE:HG21	1:133:A:GLN:HE22	16	0.25
(3,673)	1:59:A:ILE:HG22	1:133:A:GLN:HE22	16	0.25
(3,673)	1:59:A:ILE:HG23	1:133:A:GLN:HE22	16	0.25
(3,665)	1:59:A:ILE:HG21	1:64:A:GLY:H	10	0.25
(3,665)	1:59:A:ILE:HG22	1:64:A:GLY:H	10	0.25
(3,665)	1:59:A:ILE:HG23	1:64:A:GLY:H	10	0.25
(3,660)	1:32:A:ARG:HA	1:36:A:VAL:H	1	0.25
(3,651)	1:122:A:GLU:HA	1:126:A:GLY:H	3	0.25
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD21	3	0.25
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD22	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD23	3	0.25
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD21	12	0.25
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD22	12	0.25
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD23	12	0.25
(3,642)	1:35:A:GLU:H	1:37:A:GLY:H	8	0.25
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG12	8	0.25
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG13	8	0.25
(3,503)	1:80:A:LYS:HD2	1:81:A:ALA:H	13	0.25
(3,503)	1:80:A:LYS:HD3	1:81:A:ALA:H	13	0.25
(3,497)	1:143:A:LEU:HA	1:147:A:TYR:H	8	0.25
(3,491)	1:56:A:ALA:HB1	1:58:A:THR:H	19	0.25
(3,491)	1:56:A:ALA:HB2	1:58:A:THR:H	19	0.25
(3,491)	1:56:A:ALA:HB3	1:58:A:THR:H	19	0.25
(3,451)	1:15:A:LEU:H	1:15:A:LEU:HD21	7	0.25
(3,451)	1:15:A:LEU:H	1:15:A:LEU:HD22	7	0.25
(3,451)	1:15:A:LEU:H	1:15:A:LEU:HD23	7	0.25
(3,451)	1:15:A:LEU:H	1:15:A:LEU:HD21	16	0.25
(3,451)	1:15:A:LEU:H	1:15:A:LEU:HD22	16	0.25
(3,451)	1:15:A:LEU:H	1:15:A:LEU:HD23	16	0.25
(3,409)	1:109:A:PHE:HD1	1:132:A:TYR:H	4	0.25
(3,409)	1:109:A:PHE:HD2	1:132:A:TYR:H	4	0.25
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG11	2	0.25
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG12	2	0.25
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG13	2	0.25
(3,355)	1:27:A:GLN:HG2	1:28:A:ARG:H	10	0.25
(3,355)	1:27:A:GLN:HG3	1:28:A:ARG:H	10	0.25
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG11	15	0.25
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG12	15	0.25
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG13	15	0.25
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG21	5	0.25
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG22	5	0.25
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG23	5	0.25
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG21	17	0.25
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG22	17	0.25
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG23	17	0.25
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG21	19	0.25
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG22	19	0.25
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG23	19	0.25
(3,214)	1:109:A:PHE:H	1:134:A:THR:HB	3	0.25
(3,211)	1:121:A:VAL:HG21	1:123:A:ASP:H	6	0.25
(3,211)	1:121:A:VAL:HG22	1:123:A:ASP:H	6	0.25
(3,211)	1:121:A:VAL:HG23	1:123:A:ASP:H	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG11	5	0.25
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG12	5	0.25
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG13	5	0.25
(3,141)	1:56:A:ALA:HB1	1:59:A:ILE:H	12	0.25
(3,141)	1:56:A:ALA:HB2	1:59:A:ILE:H	12	0.25
(3,141)	1:56:A:ALA:HB3	1:59:A:ILE:H	12	0.25
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD11	18	0.25
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD12	18	0.25
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD13	18	0.25
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD21	12	0.25
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD22	12	0.25
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD23	12	0.25
(3,116)	1:68:A:VAL:H	1:108:A:ALA:HB1	1	0.25
(3,116)	1:68:A:VAL:H	1:108:A:ALA:HB2	1	0.25
(3,116)	1:68:A:VAL:H	1:108:A:ALA:HB3	1	0.25
(3,92)	1:121:A:VAL:HG21	1:122:A:GLU:H	14	0.25
(3,92)	1:121:A:VAL:HG22	1:122:A:GLU:H	14	0.25
(3,92)	1:121:A:VAL:HG23	1:122:A:GLU:H	14	0.25
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD11	3	0.25
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD12	3	0.25
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD13	3	0.25
(4,13)	1:109:A:PHE:O	1:134:A:THR:N	2	0.24
(3,2113)	1:110:A:LEU:HD11	1:136:A:LYS:HB2	5	0.24
(3,2113)	1:110:A:LEU:HD11	1:136:A:LYS:HB3	5	0.24
(3,2113)	1:110:A:LEU:HD12	1:136:A:LYS:HB2	5	0.24
(3,2113)	1:110:A:LEU:HD12	1:136:A:LYS:HB3	5	0.24
(3,2113)	1:110:A:LEU:HD13	1:136:A:LYS:HB2	5	0.24
(3,2113)	1:110:A:LEU:HD13	1:136:A:LYS:HB3	5	0.24
(3,2111)	1:110:A:LEU:HB2	1:111:A:ASN:HD21	20	0.24
(3,2111)	1:110:A:LEU:HB2	1:111:A:ASN:HD22	20	0.24
(3,2111)	1:110:A:LEU:HB3	1:111:A:ASN:HD21	20	0.24
(3,2111)	1:110:A:LEU:HB3	1:111:A:ASN:HD22	20	0.24
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG21	2	0.24
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG22	2	0.24
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG23	2	0.24
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG21	2	0.24
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG22	2	0.24
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG23	2	0.24
(3,2050)	1:90:A:GLU:HB2	1:91:A:LEU:H	4	0.24
(3,2050)	1:90:A:GLU:HB3	1:91:A:LEU:H	4	0.24
(3,2027)	1:84:A:PRO:HB2	1:87:A:LYS:H	1	0.24
(3,2027)	1:84:A:PRO:HB3	1:87:A:LYS:H	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2027)	1:84:A:PRO:HB2	1:87:A:LYS:H	3	0.24
(3,2027)	1:84:A:PRO:HB3	1:87:A:LYS:H	3	0.24
(3,2005)	1:75:A:ILE:HD11	1:96:A:PHE:HB2	18	0.24
(3,2005)	1:75:A:ILE:HD11	1:96:A:PHE:HB3	18	0.24
(3,2005)	1:75:A:ILE:HD12	1:96:A:PHE:HB2	18	0.24
(3,2005)	1:75:A:ILE:HD12	1:96:A:PHE:HB3	18	0.24
(3,2005)	1:75:A:ILE:HD13	1:96:A:PHE:HB2	18	0.24
(3,2005)	1:75:A:ILE:HD13	1:96:A:PHE:HB3	18	0.24
(3,1990)	1:70:A:LEU:HB2	1:134:A:THR:HA	18	0.24
(3,1990)	1:70:A:LEU:HB3	1:134:A:THR:HA	18	0.24
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB2	7	0.24
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB3	7	0.24
(3,1917)	1:53:A:ARG:HA	1:53:A:ARG:HD2	10	0.24
(3,1917)	1:53:A:ARG:HA	1:53:A:ARG:HD3	10	0.24
(3,1831)	1:32:A:ARG:HD2	1:37:A:GLY:H	6	0.24
(3,1831)	1:32:A:ARG:HD3	1:37:A:GLY:H	6	0.24
(3,1783)	1:21:A:LEU:HB2	1:22:A:THR:HA	13	0.24
(3,1783)	1:21:A:LEU:HB3	1:22:A:THR:HA	13	0.24
(3,1783)	1:21:A:LEU:HB2	1:22:A:THR:HA	14	0.24
(3,1783)	1:21:A:LEU:HB3	1:22:A:THR:HA	14	0.24
(3,1770)	1:16:A:LEU:HD21	1:17:A:ASP:HB2	4	0.24
(3,1770)	1:16:A:LEU:HD21	1:17:A:ASP:HB3	4	0.24
(3,1770)	1:16:A:LEU:HD22	1:17:A:ASP:HB2	4	0.24
(3,1770)	1:16:A:LEU:HD22	1:17:A:ASP:HB3	4	0.24
(3,1770)	1:16:A:LEU:HD23	1:17:A:ASP:HB2	4	0.24
(3,1770)	1:16:A:LEU:HD23	1:17:A:ASP:HB3	4	0.24
(3,1765)	1:15:A:LEU:HB2	1:50:A:LEU:HD11	17	0.24
(3,1765)	1:15:A:LEU:HB2	1:50:A:LEU:HD12	17	0.24
(3,1765)	1:15:A:LEU:HB2	1:50:A:LEU:HD13	17	0.24
(3,1765)	1:15:A:LEU:HB3	1:50:A:LEU:HD11	17	0.24
(3,1765)	1:15:A:LEU:HB3	1:50:A:LEU:HD12	17	0.24
(3,1765)	1:15:A:LEU:HB3	1:50:A:LEU:HD13	17	0.24
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	1	0.24
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB3	1	0.24
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	1	0.24
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB3	1	0.24
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	1	0.24
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB3	1	0.24
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	11	0.24
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB3	11	0.24
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	11	0.24
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB3	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	11	0.24
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB3	11	0.24
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB2	11	0.24
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB3	11	0.24
(3,1681)	1:140:A:LEU:HD11	1:141:A:TYR:HA	2	0.24
(3,1681)	1:140:A:LEU:HD12	1:141:A:TYR:HA	2	0.24
(3,1681)	1:140:A:LEU:HD13	1:141:A:TYR:HA	2	0.24
(3,1681)	1:140:A:LEU:HD11	1:141:A:TYR:HA	18	0.24
(3,1681)	1:140:A:LEU:HD12	1:141:A:TYR:HA	18	0.24
(3,1681)	1:140:A:LEU:HD13	1:141:A:TYR:HA	18	0.24
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG21	6	0.24
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG22	6	0.24
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG23	6	0.24
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG21	6	0.24
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG22	6	0.24
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG23	6	0.24
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD21	3	0.24
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD22	3	0.24
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD23	3	0.24
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD21	3	0.24
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD22	3	0.24
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD23	3	0.24
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD11	15	0.24
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD12	15	0.24
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD13	15	0.24
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG21	11	0.24
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG22	11	0.24
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG23	11	0.24
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG21	11	0.24
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG22	11	0.24
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG23	11	0.24
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG21	11	0.24
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG22	11	0.24
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG23	11	0.24
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA2	10	0.24
(3,1429)	1:150:A:LEU:HD11	1:151:A:GLY:HA3	10	0.24
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA2	10	0.24
(3,1429)	1:150:A:LEU:HD12	1:151:A:GLY:HA3	10	0.24
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA2	10	0.24
(3,1429)	1:150:A:LEU:HD13	1:151:A:GLY:HA3	10	0.24
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG21	5	0.24
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG22	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG23	5	0.24
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE1	16	0.24
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE2	16	0.24
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG21	1	0.24
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG22	1	0.24
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG23	1	0.24
(3,1362)	1:94:A:ILE:HG21	1:139:A:PHE:HA	3	0.24
(3,1362)	1:94:A:ILE:HG22	1:139:A:PHE:HA	3	0.24
(3,1362)	1:94:A:ILE:HG23	1:139:A:PHE:HA	3	0.24
(3,1320)	1:6:A:ILE:HG21	1:115:A:THR:HB	12	0.24
(3,1320)	1:6:A:ILE:HG22	1:115:A:THR:HB	12	0.24
(3,1320)	1:6:A:ILE:HG23	1:115:A:THR:HB	12	0.24
(3,1315)	1:59:A:ILE:HG21	1:65:A:ILE:HA	5	0.24
(3,1315)	1:59:A:ILE:HG22	1:65:A:ILE:HA	5	0.24
(3,1315)	1:59:A:ILE:HG23	1:65:A:ILE:HA	5	0.24
(3,1310)	1:55:A:ILE:HG21	1:58:A:THR:HB	10	0.24
(3,1310)	1:55:A:ILE:HG22	1:58:A:THR:HB	10	0.24
(3,1310)	1:55:A:ILE:HG23	1:58:A:THR:HB	10	0.24
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG21	9	0.24
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG22	9	0.24
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG23	9	0.24
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG21	9	0.24
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG22	9	0.24
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG23	9	0.24
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG21	9	0.24
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG22	9	0.24
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG23	9	0.24
(3,1293)	1:43:A:VAL:HG21	1:44:A:LEU:HA	15	0.24
(3,1293)	1:43:A:VAL:HG22	1:44:A:LEU:HA	15	0.24
(3,1293)	1:43:A:VAL:HG23	1:44:A:LEU:HA	15	0.24
(3,1293)	1:43:A:VAL:HG21	1:44:A:LEU:HA	17	0.24
(3,1293)	1:43:A:VAL:HG22	1:44:A:LEU:HA	17	0.24
(3,1293)	1:43:A:VAL:HG23	1:44:A:LEU:HA	17	0.24
(3,1233)	1:120:A:GLU:HA	1:123:A:ASP:HB2	13	0.24
(3,1233)	1:120:A:GLU:HA	1:123:A:ASP:HB2	20	0.24
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG2	2	0.24
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG3	2	0.24
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG2	2	0.24
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG3	2	0.24
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG2	2	0.24
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG3	2	0.24
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG21	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG22	14	0.24
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG23	14	0.24
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG21	14	0.24
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG22	14	0.24
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG23	14	0.24
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG21	14	0.24
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG22	14	0.24
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG23	14	0.24
(3,1193)	1:52:A:GLU:HB2	1:55:A:ILE:HD11	12	0.24
(3,1193)	1:52:A:GLU:HB2	1:55:A:ILE:HD12	12	0.24
(3,1193)	1:52:A:GLU:HB2	1:55:A:ILE:HD13	12	0.24
(3,1193)	1:52:A:GLU:HB3	1:55:A:ILE:HD11	12	0.24
(3,1193)	1:52:A:GLU:HB3	1:55:A:ILE:HD12	12	0.24
(3,1193)	1:52:A:GLU:HB3	1:55:A:ILE:HD13	12	0.24
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD11	4	0.24
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD12	4	0.24
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD13	4	0.24
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD11	4	0.24
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD12	4	0.24
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD13	4	0.24
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD11	4	0.24
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD12	4	0.24
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD13	4	0.24
(3,1156)	1:11:A:LEU:HD11	1:12:A:GLY:HA3	9	0.24
(3,1156)	1:11:A:LEU:HD12	1:12:A:GLY:HA3	9	0.24
(3,1156)	1:11:A:LEU:HD13	1:12:A:GLY:HA3	9	0.24
(3,1151)	1:116:A:LEU:HG	1:117:A:SER:H	6	0.24
(3,1099)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	17	0.24
(3,1099)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	17	0.24
(3,1099)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	17	0.24
(3,1005)	1:106:A:ARG:HA	1:132:A:TYR:H	10	0.24
(3,988)	1:56:A:ALA:HA	1:58:A:THR:H	19	0.24
(3,986)	1:43:A:VAL:HB	1:46:A:ASP:H	6	0.24
(3,967)	1:16:A:LEU:HD11	1:17:A:ASP:H	6	0.24
(3,967)	1:16:A:LEU:HD12	1:17:A:ASP:H	6	0.24
(3,967)	1:16:A:LEU:HD13	1:17:A:ASP:H	6	0.24
(3,952)	1:70:A:LEU:HD21	1:73:A:VAL:H	1	0.24
(3,952)	1:70:A:LEU:HD22	1:73:A:VAL:H	1	0.24
(3,952)	1:70:A:LEU:HD23	1:73:A:VAL:H	1	0.24
(3,891)	1:121:A:VAL:H	1:123:A:ASP:H	12	0.24
(3,832)	1:80:A:LYS:H	1:82:A:LEU:HG	9	0.24
(3,821)	1:67:A:LEU:H	1:68:A:VAL:H	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,731)	1:18:A:ALA:H	1:20:A:LEU:HG	16	0.24
(3,711)	1:6:A:ILE:HG21	1:8:A:ASP:H	1	0.24
(3,711)	1:6:A:ILE:HG22	1:8:A:ASP:H	1	0.24
(3,711)	1:6:A:ILE:HG23	1:8:A:ASP:H	1	0.24
(3,699)	1:124:A:LEU:HD21	1:125:A:THR:H	3	0.24
(3,699)	1:124:A:LEU:HD22	1:125:A:THR:H	3	0.24
(3,699)	1:124:A:LEU:HD23	1:125:A:THR:H	3	0.24
(3,699)	1:124:A:LEU:HD21	1:125:A:THR:H	12	0.24
(3,699)	1:124:A:LEU:HD22	1:125:A:THR:H	12	0.24
(3,699)	1:124:A:LEU:HD23	1:125:A:THR:H	12	0.24
(3,681)	1:48:A:GLY:H	1:50:A:LEU:H	10	0.24
(3,670)	1:59:A:ILE:HB	1:133:A:GLN:HE22	13	0.24
(3,660)	1:32:A:ARG:HA	1:36:A:VAL:H	14	0.24
(3,655)	1:22:A:THR:H	1:25:A:GLU:HA	6	0.24
(3,644)	1:36:A:VAL:HG11	1:37:A:GLY:H	8	0.24
(3,644)	1:36:A:VAL:HG12	1:37:A:GLY:H	8	0.24
(3,644)	1:36:A:VAL:HG13	1:37:A:GLY:H	8	0.24
(3,644)	1:36:A:VAL:HG11	1:37:A:GLY:H	12	0.24
(3,644)	1:36:A:VAL:HG12	1:37:A:GLY:H	12	0.24
(3,644)	1:36:A:VAL:HG13	1:37:A:GLY:H	12	0.24
(3,638)	1:84:A:PRO:HB3	1:86:A:GLU:H	8	0.24
(3,638)	1:84:A:PRO:HB3	1:86:A:GLU:H	15	0.24
(3,523)	1:35:A:GLU:H	1:36:A:VAL:HG11	8	0.24
(3,523)	1:35:A:GLU:H	1:36:A:VAL:HG12	8	0.24
(3,523)	1:35:A:GLU:H	1:36:A:VAL:HG13	8	0.24
(3,457)	1:26:A:LEU:HD21	1:27:A:GLN:H	9	0.24
(3,457)	1:26:A:LEU:HD22	1:27:A:GLN:H	9	0.24
(3,457)	1:26:A:LEU:HD23	1:27:A:GLN:H	9	0.24
(3,408)	1:129:A:VAL:HG21	1:132:A:TYR:H	14	0.24
(3,408)	1:129:A:VAL:HG22	1:132:A:TYR:H	14	0.24
(3,408)	1:129:A:VAL:HG23	1:132:A:TYR:H	14	0.24
(3,404)	1:118:A:LEU:HD11	1:132:A:TYR:H	17	0.24
(3,404)	1:118:A:LEU:HD12	1:132:A:TYR:H	17	0.24
(3,404)	1:118:A:LEU:HD13	1:132:A:TYR:H	17	0.24
(3,396)	1:40:A:LEU:HD11	1:44:A:LEU:H	3	0.24
(3,396)	1:40:A:LEU:HD12	1:44:A:LEU:H	3	0.24
(3,396)	1:40:A:LEU:HD13	1:44:A:LEU:H	3	0.24
(3,310)	1:30:A:LEU:HD21	1:33:A:HIS:H	14	0.24
(3,310)	1:30:A:LEU:HD22	1:33:A:HIS:H	14	0.24
(3,310)	1:30:A:LEU:HD23	1:33:A:HIS:H	14	0.24
(3,275)	1:11:A:LEU:HA	1:13:A:ALA:H	1	0.24
(3,268)	1:119:A:GLU:HB2	1:120:A:GLU:H	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,268)	1:119:A:GLU:HB3	1:120:A:GLU:H	5	0.24
(3,223)	1:109:A:PHE:H	1:133:A:GLN:HG2	6	0.24
(3,223)	1:109:A:PHE:H	1:133:A:GLN:HG3	6	0.24
(3,211)	1:121:A:VAL:HG21	1:123:A:ASP:H	14	0.24
(3,211)	1:121:A:VAL:HG22	1:123:A:ASP:H	14	0.24
(3,211)	1:121:A:VAL:HG23	1:123:A:ASP:H	14	0.24
(3,211)	1:121:A:VAL:HG21	1:123:A:ASP:H	17	0.24
(3,211)	1:121:A:VAL:HG22	1:123:A:ASP:H	17	0.24
(3,211)	1:121:A:VAL:HG23	1:123:A:ASP:H	17	0.24
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD11	11	0.24
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD12	11	0.24
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD13	11	0.24
(3,135)	1:116:A:LEU:HG	1:118:A:LEU:H	2	0.24
(3,105)	1:93:A:ALA:H	1:139:A:PHE:HE1	16	0.24
(3,105)	1:93:A:ALA:H	1:139:A:PHE:HE2	16	0.24
(3,74)	1:5:A:THR:HG21	1:40:A:LEU:H	6	0.24
(3,74)	1:5:A:THR:HG22	1:40:A:LEU:H	6	0.24
(3,74)	1:5:A:THR:HG23	1:40:A:LEU:H	6	0.24
(3,72)	1:45:A:VAL:HG21	1:46:A:ASP:H	20	0.24
(3,72)	1:45:A:VAL:HG22	1:46:A:ASP:H	20	0.24
(3,72)	1:45:A:VAL:HG23	1:46:A:ASP:H	20	0.24
(4,16)	1:109:A:PHE:H	1:132:A:TYR:O	4	0.23
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG2	17	0.23
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG3	17	0.23
(3,2113)	1:110:A:LEU:HD11	1:136:A:LYS:HB2	8	0.23
(3,2113)	1:110:A:LEU:HD11	1:136:A:LYS:HB3	8	0.23
(3,2113)	1:110:A:LEU:HD12	1:136:A:LYS:HB2	8	0.23
(3,2113)	1:110:A:LEU:HD12	1:136:A:LYS:HB3	8	0.23
(3,2113)	1:110:A:LEU:HD13	1:136:A:LYS:HB2	8	0.23
(3,2113)	1:110:A:LEU:HD13	1:136:A:LYS:HB3	8	0.23
(3,2073)	1:96:A:PHE:HB2	1:108:A:ALA:H	7	0.23
(3,2073)	1:96:A:PHE:HB3	1:108:A:ALA:H	7	0.23
(3,2066)	1:93:A:ALA:H	1:94:A:ILE:HG12	19	0.23
(3,2066)	1:93:A:ALA:H	1:94:A:ILE:HG13	19	0.23
(3,2034)	1:85:A:ALA:H	1:87:A:LYS:HB2	9	0.23
(3,2034)	1:85:A:ALA:H	1:87:A:LYS:HB3	9	0.23
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB2	2	0.23
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB3	2	0.23
(3,1990)	1:70:A:LEU:HB2	1:134:A:THR:HA	10	0.23
(3,1990)	1:70:A:LEU:HB3	1:134:A:THR:HA	10	0.23
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	13	0.23
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE22	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	13	0.23
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE22	13	0.23
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	13	0.23
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE22	13	0.23
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB2	11	0.23
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB3	11	0.23
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB2	14	0.23
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB3	14	0.23
(3,1830)	1:32:A:ARG:HD2	1:36:A:VAL:HG21	7	0.23
(3,1830)	1:32:A:ARG:HD2	1:36:A:VAL:HG22	7	0.23
(3,1830)	1:32:A:ARG:HD2	1:36:A:VAL:HG23	7	0.23
(3,1830)	1:32:A:ARG:HD3	1:36:A:VAL:HG21	7	0.23
(3,1830)	1:32:A:ARG:HD3	1:36:A:VAL:HG22	7	0.23
(3,1830)	1:32:A:ARG:HD3	1:36:A:VAL:HG23	7	0.23
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG2	18	0.23
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG3	18	0.23
(3,1803)	1:29:A:ALA:H	1:30:A:LEU:HB2	10	0.23
(3,1803)	1:29:A:ALA:H	1:30:A:LEU:HB3	10	0.23
(3,1803)	1:29:A:ALA:H	1:30:A:LEU:HB2	19	0.23
(3,1803)	1:29:A:ALA:H	1:30:A:LEU:HB3	19	0.23
(3,1783)	1:21:A:LEU:HB2	1:22:A:THR:HA	3	0.23
(3,1783)	1:21:A:LEU:HB3	1:22:A:THR:HA	3	0.23
(3,1783)	1:21:A:LEU:HB2	1:22:A:THR:HA	5	0.23
(3,1783)	1:21:A:LEU:HB3	1:22:A:THR:HA	5	0.23
(3,1681)	1:140:A:LEU:HD11	1:141:A:TYR:HA	12	0.23
(3,1681)	1:140:A:LEU:HD12	1:141:A:TYR:HA	12	0.23
(3,1681)	1:140:A:LEU:HD13	1:141:A:TYR:HA	12	0.23
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE1	10	0.23
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE2	10	0.23
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE1	10	0.23
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE2	10	0.23
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE1	10	0.23
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE2	10	0.23
(3,1611)	1:104:A:VAL:HG11	1:128:A:VAL:HB	19	0.23
(3,1611)	1:104:A:VAL:HG12	1:128:A:VAL:HB	19	0.23
(3,1611)	1:104:A:VAL:HG13	1:128:A:VAL:HB	19	0.23
(3,1611)	1:104:A:VAL:HG21	1:128:A:VAL:HB	19	0.23
(3,1611)	1:104:A:VAL:HG22	1:128:A:VAL:HB	19	0.23
(3,1611)	1:104:A:VAL:HG23	1:128:A:VAL:HB	19	0.23
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD11	16	0.23
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD12	16	0.23
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD13	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1554)	1:20:A:LEU:HA	1:50:A:LEU:HD21	17	0.23
(3,1554)	1:20:A:LEU:HA	1:50:A:LEU:HD22	17	0.23
(3,1554)	1:20:A:LEU:HA	1:50:A:LEU:HD23	17	0.23
(3,1539)	1:45:A:VAL:HG11	1:52:A:GLU:HG2	14	0.23
(3,1539)	1:45:A:VAL:HG11	1:52:A:GLU:HG3	14	0.23
(3,1539)	1:45:A:VAL:HG12	1:52:A:GLU:HG2	14	0.23
(3,1539)	1:45:A:VAL:HG12	1:52:A:GLU:HG3	14	0.23
(3,1539)	1:45:A:VAL:HG13	1:52:A:GLU:HG2	14	0.23
(3,1539)	1:45:A:VAL:HG13	1:52:A:GLU:HG3	14	0.23
(3,1537)	1:44:A:LEU:HD21	1:55:A:ILE:HG12	5	0.23
(3,1537)	1:44:A:LEU:HD21	1:55:A:ILE:HG13	5	0.23
(3,1537)	1:44:A:LEU:HD22	1:55:A:ILE:HG12	5	0.23
(3,1537)	1:44:A:LEU:HD22	1:55:A:ILE:HG13	5	0.23
(3,1537)	1:44:A:LEU:HD23	1:55:A:ILE:HG12	5	0.23
(3,1537)	1:44:A:LEU:HD23	1:55:A:ILE:HG13	5	0.23
(3,1455)	1:67:A:LEU:HA	1:133:A:GLN:HG2	9	0.23
(3,1455)	1:67:A:LEU:HA	1:133:A:GLN:HG3	9	0.23
(3,1448)	1:109:A:PHE:HD1	1:133:A:GLN:HA	8	0.23
(3,1448)	1:109:A:PHE:HD2	1:133:A:GLN:HA	8	0.23
(3,1315)	1:59:A:ILE:HG21	1:65:A:ILE:HA	7	0.23
(3,1315)	1:59:A:ILE:HG22	1:65:A:ILE:HA	7	0.23
(3,1315)	1:59:A:ILE:HG23	1:65:A:ILE:HA	7	0.23
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG21	13	0.23
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG22	13	0.23
(3,1311)	1:14:A:ALA:HA	1:58:A:THR:HG23	13	0.23
(3,1310)	1:55:A:ILE:HG21	1:58:A:THR:HB	19	0.23
(3,1310)	1:55:A:ILE:HG22	1:58:A:THR:HB	19	0.23
(3,1310)	1:55:A:ILE:HG23	1:58:A:THR:HB	19	0.23
(3,1293)	1:43:A:VAL:HG21	1:44:A:LEU:HA	5	0.23
(3,1293)	1:43:A:VAL:HG22	1:44:A:LEU:HA	5	0.23
(3,1293)	1:43:A:VAL:HG23	1:44:A:LEU:HA	5	0.23
(3,1284)	1:31:A:GLU:HA	1:34:A:ARG:HD2	7	0.23
(3,1284)	1:31:A:GLU:HA	1:34:A:ARG:HD3	7	0.23
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB1	2	0.23
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB2	2	0.23
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB3	2	0.23
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB1	2	0.23
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB2	2	0.23
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB3	2	0.23
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB1	2	0.23
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB2	2	0.23
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB3	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1243)	1:52:A:GLU:HB2	1:135:A:THR:HB	2	0.23
(3,1243)	1:52:A:GLU:HB3	1:135:A:THR:HB	2	0.23
(3,1235)	1:83:A:LEU:HD21	1:121:A:VAL:HA	6	0.23
(3,1235)	1:83:A:LEU:HD22	1:121:A:VAL:HA	6	0.23
(3,1235)	1:83:A:LEU:HD23	1:121:A:VAL:HA	6	0.23
(3,1235)	1:83:A:LEU:HD21	1:121:A:VAL:HA	18	0.23
(3,1235)	1:83:A:LEU:HD22	1:121:A:VAL:HA	18	0.23
(3,1235)	1:83:A:LEU:HD23	1:121:A:VAL:HA	18	0.23
(3,1233)	1:120:A:GLU:HA	1:123:A:ASP:HB2	14	0.23
(3,1210)	1:59:A:ILE:HG21	1:133:A:GLN:HG2	16	0.23
(3,1210)	1:59:A:ILE:HG21	1:133:A:GLN:HG3	16	0.23
(3,1210)	1:59:A:ILE:HG22	1:133:A:GLN:HG2	16	0.23
(3,1210)	1:59:A:ILE:HG22	1:133:A:GLN:HG3	16	0.23
(3,1210)	1:59:A:ILE:HG23	1:133:A:GLN:HG2	16	0.23
(3,1210)	1:59:A:ILE:HG23	1:133:A:GLN:HG3	16	0.23
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD11	17	0.23
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD12	17	0.23
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD13	17	0.23
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD11	17	0.23
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD12	17	0.23
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD13	17	0.23
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD11	17	0.23
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD12	17	0.23
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD13	17	0.23
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD11	1	0.23
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD12	1	0.23
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD13	1	0.23
(3,1102)	1:62:A:ARG:HA	1:62:A:ARG:HD3	15	0.23
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD11	13	0.23
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD12	13	0.23
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD13	13	0.23
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD11	13	0.23
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD12	13	0.23
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD13	13	0.23
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD11	13	0.23
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD12	13	0.23
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD13	13	0.23
(3,952)	1:70:A:LEU:HD21	1:73:A:VAL:H	7	0.23
(3,952)	1:70:A:LEU:HD22	1:73:A:VAL:H	7	0.23
(3,952)	1:70:A:LEU:HD23	1:73:A:VAL:H	7	0.23
(3,948)	1:71:A:HIS:HA	1:73:A:VAL:H	15	0.23
(3,891)	1:121:A:VAL:H	1:123:A:ASP:H	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD21	2	0.23
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD22	2	0.23
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD23	2	0.23
(3,832)	1:80:A:LYS:H	1:82:A:LEU:HG	6	0.23
(3,832)	1:80:A:LYS:H	1:82:A:LEU:HG	20	0.23
(3,821)	1:67:A:LEU:H	1:68:A:VAL:H	1	0.23
(3,821)	1:67:A:LEU:H	1:68:A:VAL:H	19	0.23
(3,808)	1:61:A:ASP:H	1:65:A:ILE:H	16	0.23
(3,789)	1:45:A:VAL:H	1:48:A:GLY:H	19	0.23
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD21	14	0.23
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD22	14	0.23
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD23	14	0.23
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD21	16	0.23
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD22	16	0.23
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD23	16	0.23
(3,752)	1:23:A:ASP:HB2	1:27:A:GLN:H	7	0.23
(3,752)	1:23:A:ASP:HB3	1:27:A:GLN:H	7	0.23
(3,711)	1:6:A:ILE:HG21	1:8:A:ASP:H	7	0.23
(3,711)	1:6:A:ILE:HG22	1:8:A:ASP:H	7	0.23
(3,711)	1:6:A:ILE:HG23	1:8:A:ASP:H	7	0.23
(3,702)	1:124:A:LEU:HB3	1:125:A:THR:H	16	0.23
(3,681)	1:48:A:GLY:H	1:50:A:LEU:H	18	0.23
(3,681)	1:48:A:GLY:H	1:50:A:LEU:H	19	0.23
(3,680)	1:6:A:ILE:HG21	1:7:A:GLY:H	19	0.23
(3,680)	1:6:A:ILE:HG22	1:7:A:GLY:H	19	0.23
(3,680)	1:6:A:ILE:HG23	1:7:A:GLY:H	19	0.23
(3,644)	1:36:A:VAL:HG11	1:37:A:GLY:H	13	0.23
(3,644)	1:36:A:VAL:HG12	1:37:A:GLY:H	13	0.23
(3,644)	1:36:A:VAL:HG13	1:37:A:GLY:H	13	0.23
(3,628)	1:109:A:PHE:HB3	1:111:A:ASN:H	3	0.23
(3,609)	1:62:A:ARG:HB2	1:63:A:PHE:H	15	0.23
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD21	1	0.23
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD22	1	0.23
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD23	1	0.23
(3,550)	1:145:A:LYS:H	1:145:A:LYS:HE2	10	0.23
(3,550)	1:145:A:LYS:H	1:145:A:LYS:HE3	10	0.23
(3,518)	1:94:A:ILE:H	1:94:A:ILE:HG12	18	0.23
(3,503)	1:80:A:LYS:HD2	1:81:A:ALA:H	11	0.23
(3,503)	1:80:A:LYS:HD3	1:81:A:ALA:H	11	0.23
(3,491)	1:56:A:ALA:HB1	1:58:A:THR:H	4	0.23
(3,491)	1:56:A:ALA:HB2	1:58:A:THR:H	4	0.23
(3,491)	1:56:A:ALA:HB3	1:58:A:THR:H	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,491)	1:56:A:ALA:HB1	1:58:A:THR:H	14	0.23
(3,491)	1:56:A:ALA:HB2	1:58:A:THR:H	14	0.23
(3,491)	1:56:A:ALA:HB3	1:58:A:THR:H	14	0.23
(3,491)	1:56:A:ALA:HB1	1:58:A:THR:H	18	0.23
(3,491)	1:56:A:ALA:HB2	1:58:A:THR:H	18	0.23
(3,491)	1:56:A:ALA:HB3	1:58:A:THR:H	18	0.23
(3,457)	1:26:A:LEU:HD21	1:27:A:GLN:H	1	0.23
(3,457)	1:26:A:LEU:HD22	1:27:A:GLN:H	1	0.23
(3,457)	1:26:A:LEU:HD23	1:27:A:GLN:H	1	0.23
(3,425)	1:132:A:TYR:HE1	1:133:A:GLN:H	12	0.23
(3,425)	1:132:A:TYR:HE2	1:133:A:GLN:H	12	0.23
(3,425)	1:132:A:TYR:HE1	1:133:A:GLN:H	13	0.23
(3,425)	1:132:A:TYR:HE2	1:133:A:GLN:H	13	0.23
(3,382)	1:25:A:GLU:HB3	1:26:A:LEU:H	19	0.23
(3,346)	1:58:A:THR:HG21	1:61:A:ASP:H	12	0.23
(3,346)	1:58:A:THR:HG22	1:61:A:ASP:H	12	0.23
(3,346)	1:58:A:THR:HG23	1:61:A:ASP:H	12	0.23
(3,338)	1:57:A:GLN:H	1:58:A:THR:HB	11	0.23
(3,223)	1:109:A:PHE:H	1:133:A:GLN:HG2	3	0.23
(3,223)	1:109:A:PHE:H	1:133:A:GLN:HG3	3	0.23
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG11	4	0.23
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG12	4	0.23
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG13	4	0.23
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG11	6	0.23
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG12	6	0.23
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG13	6	0.23
(3,167)	1:55:A:ILE:H	1:55:A:ILE:HG12	5	0.23
(3,167)	1:55:A:ILE:H	1:55:A:ILE:HG13	5	0.23
(3,141)	1:56:A:ALA:HB1	1:59:A:ILE:H	20	0.23
(3,141)	1:56:A:ALA:HB2	1:59:A:ILE:H	20	0.23
(3,141)	1:56:A:ALA:HB3	1:59:A:ILE:H	20	0.23
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD11	17	0.23
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD12	17	0.23
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD13	17	0.23
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD21	1	0.23
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD22	1	0.23
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD23	1	0.23
(3,108)	1:88:A:ALA:HB1	1:93:A:ALA:H	4	0.23
(3,108)	1:88:A:ALA:HB2	1:93:A:ALA:H	4	0.23
(3,108)	1:88:A:ALA:HB3	1:93:A:ALA:H	4	0.23
(3,92)	1:121:A:VAL:HG21	1:122:A:GLU:H	2	0.23
(3,92)	1:121:A:VAL:HG22	1:122:A:GLU:H	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,92)	1:121:A:VAL:HG23	1:122:A:GLU:H	2	0.23
(3,92)	1:121:A:VAL:HG21	1:122:A:GLU:H	8	0.23
(3,92)	1:121:A:VAL:HG22	1:122:A:GLU:H	8	0.23
(3,92)	1:121:A:VAL:HG23	1:122:A:GLU:H	8	0.23
(3,92)	1:121:A:VAL:HG21	1:122:A:GLU:H	16	0.23
(3,92)	1:121:A:VAL:HG22	1:122:A:GLU:H	16	0.23
(3,92)	1:121:A:VAL:HG23	1:122:A:GLU:H	16	0.23
(3,78)	1:11:A:LEU:HD21	1:40:A:LEU:H	3	0.23
(3,78)	1:11:A:LEU:HD22	1:40:A:LEU:H	3	0.23
(3,78)	1:11:A:LEU:HD23	1:40:A:LEU:H	3	0.23
(3,27)	1:129:A:VAL:H	1:129:A:VAL:HB	16	0.23
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG21	1	0.22
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG22	1	0.22
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG23	1	0.22
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG21	1	0.22
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG22	1	0.22
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG23	1	0.22
(3,2035)	1:85:A:ALA:HB1	1:147:A:TYR:HB2	7	0.22
(3,2035)	1:85:A:ALA:HB1	1:147:A:TYR:HB3	7	0.22
(3,2035)	1:85:A:ALA:HB2	1:147:A:TYR:HB2	7	0.22
(3,2035)	1:85:A:ALA:HB2	1:147:A:TYR:HB3	7	0.22
(3,2035)	1:85:A:ALA:HB3	1:147:A:TYR:HB2	7	0.22
(3,2035)	1:85:A:ALA:HB3	1:147:A:TYR:HB3	7	0.22
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB2	15	0.22
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB3	15	0.22
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB2	19	0.22
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB3	19	0.22
(3,2007)	1:77:A:PRO:HB2	1:78:A:LYS:H	7	0.22
(3,2007)	1:77:A:PRO:HB3	1:78:A:LYS:H	7	0.22
(3,1914)	1:51:A:SER:HB2	1:53:A:ARG:HA	15	0.22
(3,1914)	1:51:A:SER:HB3	1:53:A:ARG:HA	15	0.22
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD11	1	0.22
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD12	1	0.22
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD13	1	0.22
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD11	1	0.22
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD12	1	0.22
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD13	1	0.22
(3,1871)	1:44:A:LEU:HB2	1:49:A:LEU:H	3	0.22
(3,1871)	1:44:A:LEU:HB3	1:49:A:LEU:H	3	0.22
(3,1831)	1:32:A:ARG:HD2	1:37:A:GLY:H	8	0.22
(3,1831)	1:32:A:ARG:HD3	1:37:A:GLY:H	8	0.22
(3,1826)	1:32:A:ARG:HD2	1:33:A:HIS:H	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1826)	1:32:A:ARG:HD3	1:33:A:HIS:H	2	0.22
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG2	2	0.22
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG3	2	0.22
(3,1783)	1:21:A:LEU:HB2	1:22:A:THR:HA	17	0.22
(3,1783)	1:21:A:LEU:HB3	1:22:A:THR:HA	17	0.22
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB2	19	0.22
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB3	19	0.22
(3,1611)	1:104:A:VAL:HG11	1:128:A:VAL:HB	3	0.22
(3,1611)	1:104:A:VAL:HG12	1:128:A:VAL:HB	3	0.22
(3,1611)	1:104:A:VAL:HG13	1:128:A:VAL:HB	3	0.22
(3,1611)	1:104:A:VAL:HG21	1:128:A:VAL:HB	3	0.22
(3,1611)	1:104:A:VAL:HG22	1:128:A:VAL:HB	3	0.22
(3,1611)	1:104:A:VAL:HG23	1:128:A:VAL:HB	3	0.22
(3,1577)	1:104:A:VAL:HG11	1:130:A:GLU:HG2	13	0.22
(3,1577)	1:104:A:VAL:HG11	1:130:A:GLU:HG3	13	0.22
(3,1577)	1:104:A:VAL:HG12	1:130:A:GLU:HG2	13	0.22
(3,1577)	1:104:A:VAL:HG12	1:130:A:GLU:HG3	13	0.22
(3,1577)	1:104:A:VAL:HG13	1:130:A:GLU:HG2	13	0.22
(3,1577)	1:104:A:VAL:HG13	1:130:A:GLU:HG3	13	0.22
(3,1577)	1:104:A:VAL:HG21	1:130:A:GLU:HG2	13	0.22
(3,1577)	1:104:A:VAL:HG21	1:130:A:GLU:HG3	13	0.22
(3,1577)	1:104:A:VAL:HG22	1:130:A:GLU:HG2	13	0.22
(3,1577)	1:104:A:VAL:HG22	1:130:A:GLU:HG3	13	0.22
(3,1577)	1:104:A:VAL:HG23	1:130:A:GLU:HG2	13	0.22
(3,1577)	1:104:A:VAL:HG23	1:130:A:GLU:HG3	13	0.22
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG11	12	0.22
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG12	12	0.22
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG13	12	0.22
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG11	12	0.22
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG12	12	0.22
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG13	12	0.22
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG11	12	0.22
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG12	12	0.22
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG13	12	0.22
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG11	16	0.22
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG12	16	0.22
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG13	16	0.22
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG11	16	0.22
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG12	16	0.22
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG13	16	0.22
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG11	16	0.22
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG12	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG13	16	0.22
(3,1571)	1:70:A:LEU:HD21	1:139:A:PHE:HD1	6	0.22
(3,1571)	1:70:A:LEU:HD21	1:139:A:PHE:HD2	6	0.22
(3,1571)	1:70:A:LEU:HD22	1:139:A:PHE:HD1	6	0.22
(3,1571)	1:70:A:LEU:HD22	1:139:A:PHE:HD2	6	0.22
(3,1571)	1:70:A:LEU:HD23	1:139:A:PHE:HD1	6	0.22
(3,1571)	1:70:A:LEU:HD23	1:139:A:PHE:HD2	6	0.22
(3,1562)	1:68:A:VAL:HG21	1:132:A:TYR:HE1	1	0.22
(3,1562)	1:68:A:VAL:HG21	1:132:A:TYR:HE2	1	0.22
(3,1562)	1:68:A:VAL:HG22	1:132:A:TYR:HE1	1	0.22
(3,1562)	1:68:A:VAL:HG22	1:132:A:TYR:HE2	1	0.22
(3,1562)	1:68:A:VAL:HG23	1:132:A:TYR:HE1	1	0.22
(3,1562)	1:68:A:VAL:HG23	1:132:A:TYR:HE2	1	0.22
(3,1554)	1:20:A:LEU:HA	1:50:A:LEU:HD21	20	0.22
(3,1554)	1:20:A:LEU:HA	1:50:A:LEU:HD22	20	0.22
(3,1554)	1:20:A:LEU:HA	1:50:A:LEU:HD23	20	0.22
(3,1537)	1:44:A:LEU:HD21	1:55:A:ILE:HG12	6	0.22
(3,1537)	1:44:A:LEU:HD21	1:55:A:ILE:HG13	6	0.22
(3,1537)	1:44:A:LEU:HD22	1:55:A:ILE:HG12	6	0.22
(3,1537)	1:44:A:LEU:HD22	1:55:A:ILE:HG13	6	0.22
(3,1537)	1:44:A:LEU:HD23	1:55:A:ILE:HG12	6	0.22
(3,1537)	1:44:A:LEU:HD23	1:55:A:ILE:HG13	6	0.22
(3,1533)	1:29:A:ALA:HB1	1:44:A:LEU:HD11	9	0.22
(3,1533)	1:29:A:ALA:HB1	1:44:A:LEU:HD12	9	0.22
(3,1533)	1:29:A:ALA:HB1	1:44:A:LEU:HD13	9	0.22
(3,1533)	1:29:A:ALA:HB2	1:44:A:LEU:HD11	9	0.22
(3,1533)	1:29:A:ALA:HB2	1:44:A:LEU:HD12	9	0.22
(3,1533)	1:29:A:ALA:HB2	1:44:A:LEU:HD13	9	0.22
(3,1533)	1:29:A:ALA:HB3	1:44:A:LEU:HD11	9	0.22
(3,1533)	1:29:A:ALA:HB3	1:44:A:LEU:HD12	9	0.22
(3,1533)	1:29:A:ALA:HB3	1:44:A:LEU:HD13	9	0.22
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG21	5	0.22
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG22	5	0.22
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG23	5	0.22
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG21	5	0.22
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG22	5	0.22
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG23	5	0.22
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG21	5	0.22
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG22	5	0.22
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG23	5	0.22
(3,1520)	1:40:A:LEU:HD11	1:43:A:VAL:HB	12	0.22
(3,1520)	1:40:A:LEU:HD12	1:43:A:VAL:HB	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1520)	1:40:A:LEU:HD13	1:43:A:VAL:HB	12	0.22
(3,1520)	1:40:A:LEU:HD11	1:43:A:VAL:HB	15	0.22
(3,1520)	1:40:A:LEU:HD12	1:43:A:VAL:HB	15	0.22
(3,1520)	1:40:A:LEU:HD13	1:43:A:VAL:HB	15	0.22
(3,1505)	1:15:A:LEU:HA	1:21:A:LEU:HD11	15	0.22
(3,1505)	1:15:A:LEU:HA	1:21:A:LEU:HD12	15	0.22
(3,1505)	1:15:A:LEU:HA	1:21:A:LEU:HD13	15	0.22
(3,1499)	1:150:A:LEU:HA	1:150:A:LEU:HD11	12	0.22
(3,1499)	1:150:A:LEU:HA	1:150:A:LEU:HD12	12	0.22
(3,1499)	1:150:A:LEU:HA	1:150:A:LEU:HD13	12	0.22
(3,1471)	1:83:A:LEU:HG	1:88:A:ALA:HB1	1	0.22
(3,1471)	1:83:A:LEU:HG	1:88:A:ALA:HB2	1	0.22
(3,1471)	1:83:A:LEU:HG	1:88:A:ALA:HB3	1	0.22
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG21	2	0.22
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG22	2	0.22
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG23	2	0.22
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB1	1	0.22
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB2	1	0.22
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB3	1	0.22
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB1	1	0.22
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB2	1	0.22
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB3	1	0.22
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB1	1	0.22
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB2	1	0.22
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB3	1	0.22
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB1	9	0.22
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB2	9	0.22
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB3	9	0.22
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB1	9	0.22
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB2	9	0.22
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB3	9	0.22
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB1	9	0.22
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB2	9	0.22
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB3	9	0.22
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE1	19	0.22
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE2	19	0.22
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE1	19	0.22
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE2	19	0.22
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE1	19	0.22
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE2	19	0.22
(3,1337)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	10	0.22
(3,1337)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1337)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	10	0.22
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG21	8	0.22
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG22	8	0.22
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG23	8	0.22
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG21	8	0.22
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG22	8	0.22
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG23	8	0.22
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG21	8	0.22
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG22	8	0.22
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG23	8	0.22
(3,1293)	1:43:A:VAL:HG21	1:44:A:LEU:HA	20	0.22
(3,1293)	1:43:A:VAL:HG22	1:44:A:LEU:HA	20	0.22
(3,1293)	1:43:A:VAL:HG23	1:44:A:LEU:HA	20	0.22
(3,1233)	1:120:A:GLU:HA	1:123:A:ASP:HB2	19	0.22
(3,1196)	1:56:A:ALA:HA	1:133:A:GLN:HE22	14	0.22
(3,1151)	1:116:A:LEU:HG	1:117:A:SER:H	15	0.22
(3,1133)	1:110:A:LEU:HD21	1:134:A:THR:HG21	14	0.22
(3,1133)	1:110:A:LEU:HD21	1:134:A:THR:HG22	14	0.22
(3,1133)	1:110:A:LEU:HD21	1:134:A:THR:HG23	14	0.22
(3,1133)	1:110:A:LEU:HD22	1:134:A:THR:HG21	14	0.22
(3,1133)	1:110:A:LEU:HD22	1:134:A:THR:HG22	14	0.22
(3,1133)	1:110:A:LEU:HD22	1:134:A:THR:HG23	14	0.22
(3,1133)	1:110:A:LEU:HD23	1:134:A:THR:HG21	14	0.22
(3,1133)	1:110:A:LEU:HD23	1:134:A:THR:HG22	14	0.22
(3,1133)	1:110:A:LEU:HD23	1:134:A:THR:HG23	14	0.22
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD11	20	0.22
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD12	20	0.22
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD13	20	0.22
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD11	20	0.22
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD12	20	0.22
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD13	20	0.22
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD11	20	0.22
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD12	20	0.22
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD13	20	0.22
(3,1005)	1:106:A:ARG:HA	1:132:A:TYR:H	2	0.22
(3,996)	1:98:A:LEU:H	1:106:A:ARG:HB2	14	0.22
(3,996)	1:98:A:LEU:H	1:106:A:ARG:HB3	14	0.22
(3,990)	1:5:A:THR:H	1:8:A:ASP:HA	15	0.22
(3,986)	1:43:A:VAL:HB	1:46:A:ASP:H	16	0.22
(3,891)	1:121:A:VAL:H	1:123:A:ASP:H	3	0.22
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD21	14	0.22
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD22	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD23	14	0.22
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG21	15	0.22
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG22	15	0.22
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG23	15	0.22
(3,811)	1:62:A:ARG:H	1:64:A:GLY:H	17	0.22
(3,789)	1:45:A:VAL:H	1:48:A:GLY:H	3	0.22
(3,789)	1:45:A:VAL:H	1:48:A:GLY:H	5	0.22
(3,789)	1:45:A:VAL:H	1:48:A:GLY:H	8	0.22
(3,759)	1:27:A:GLN:H	1:29:A:ALA:H	11	0.22
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD21	10	0.22
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD22	10	0.22
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD23	10	0.22
(3,752)	1:23:A:ASP:HB2	1:27:A:GLN:H	3	0.22
(3,752)	1:23:A:ASP:HB3	1:27:A:GLN:H	3	0.22
(3,702)	1:124:A:LEU:HB3	1:125:A:THR:H	1	0.22
(3,681)	1:48:A:GLY:H	1:50:A:LEU:H	4	0.22
(3,660)	1:32:A:ARG:HA	1:36:A:VAL:H	16	0.22
(3,651)	1:122:A:GLU:HA	1:126:A:GLY:H	6	0.22
(3,644)	1:36:A:VAL:HG11	1:37:A:GLY:H	1	0.22
(3,644)	1:36:A:VAL:HG12	1:37:A:GLY:H	1	0.22
(3,644)	1:36:A:VAL:HG13	1:37:A:GLY:H	1	0.22
(3,644)	1:36:A:VAL:HG11	1:37:A:GLY:H	6	0.22
(3,644)	1:36:A:VAL:HG12	1:37:A:GLY:H	6	0.22
(3,644)	1:36:A:VAL:HG13	1:37:A:GLY:H	6	0.22
(3,644)	1:36:A:VAL:HG11	1:37:A:GLY:H	10	0.22
(3,644)	1:36:A:VAL:HG12	1:37:A:GLY:H	10	0.22
(3,644)	1:36:A:VAL:HG13	1:37:A:GLY:H	10	0.22
(3,644)	1:36:A:VAL:HG11	1:37:A:GLY:H	16	0.22
(3,644)	1:36:A:VAL:HG12	1:37:A:GLY:H	16	0.22
(3,644)	1:36:A:VAL:HG13	1:37:A:GLY:H	16	0.22
(3,644)	1:36:A:VAL:HG11	1:37:A:GLY:H	18	0.22
(3,644)	1:36:A:VAL:HG12	1:37:A:GLY:H	18	0.22
(3,644)	1:36:A:VAL:HG13	1:37:A:GLY:H	18	0.22
(3,643)	1:33:A:HIS:HA	1:37:A:GLY:H	6	0.22
(3,643)	1:33:A:HIS:HA	1:37:A:GLY:H	9	0.22
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD21	2	0.22
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD22	2	0.22
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD23	2	0.22
(3,441)	1:124:A:LEU:H	1:125:A:THR:HG21	3	0.22
(3,441)	1:124:A:LEU:H	1:125:A:THR:HG22	3	0.22
(3,441)	1:124:A:LEU:H	1:125:A:THR:HG23	3	0.22
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD11	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD12	4	0.22
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD13	4	0.22
(3,363)	1:120:A:GLU:HB2	1:121:A:VAL:H	11	0.22
(3,321)	1:101:A:GLU:HG2	1:102:A:ALA:H	19	0.22
(3,321)	1:101:A:GLU:HG3	1:102:A:ALA:H	19	0.22
(3,273)	1:150:A:LEU:H	1:150:A:LEU:HD11	1	0.22
(3,273)	1:150:A:LEU:H	1:150:A:LEU:HD12	1	0.22
(3,273)	1:150:A:LEU:H	1:150:A:LEU:HD13	1	0.22
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG21	2	0.22
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG22	2	0.22
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG23	2	0.22
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG21	13	0.22
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG22	13	0.22
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG23	13	0.22
(3,264)	1:134:A:THR:HG21	1:139:A:PHE:H	3	0.22
(3,264)	1:134:A:THR:HG22	1:139:A:PHE:H	3	0.22
(3,264)	1:134:A:THR:HG23	1:139:A:PHE:H	3	0.22
(3,242)	1:9:A:LYS:H	1:9:A:LYS:HD2	12	0.22
(3,242)	1:9:A:LYS:H	1:9:A:LYS:HD3	12	0.22
(3,212)	1:123:A:ASP:H	1:124:A:LEU:HD11	20	0.22
(3,212)	1:123:A:ASP:H	1:124:A:LEU:HD12	20	0.22
(3,212)	1:123:A:ASP:H	1:124:A:LEU:HD13	20	0.22
(3,211)	1:121:A:VAL:HG21	1:123:A:ASP:H	11	0.22
(3,211)	1:121:A:VAL:HG22	1:123:A:ASP:H	11	0.22
(3,211)	1:121:A:VAL:HG23	1:123:A:ASP:H	11	0.22
(3,191)	1:56:A:ALA:H	1:59:A:ILE:HB	17	0.22
(3,143)	1:55:A:ILE:HG21	1:59:A:ILE:H	1	0.22
(3,143)	1:55:A:ILE:HG22	1:59:A:ILE:H	1	0.22
(3,143)	1:55:A:ILE:HG23	1:59:A:ILE:H	1	0.22
(3,141)	1:56:A:ALA:HB1	1:59:A:ILE:H	4	0.22
(3,141)	1:56:A:ALA:HB2	1:59:A:ILE:H	4	0.22
(3,141)	1:56:A:ALA:HB3	1:59:A:ILE:H	4	0.22
(3,141)	1:56:A:ALA:HB1	1:59:A:ILE:H	8	0.22
(3,141)	1:56:A:ALA:HB2	1:59:A:ILE:H	8	0.22
(3,141)	1:56:A:ALA:HB3	1:59:A:ILE:H	8	0.22
(3,141)	1:56:A:ALA:HB1	1:59:A:ILE:H	10	0.22
(3,141)	1:56:A:ALA:HB2	1:59:A:ILE:H	10	0.22
(3,141)	1:56:A:ALA:HB3	1:59:A:ILE:H	10	0.22
(3,92)	1:121:A:VAL:HG21	1:122:A:GLU:H	18	0.22
(3,92)	1:121:A:VAL:HG22	1:122:A:GLU:H	18	0.22
(3,92)	1:121:A:VAL:HG23	1:122:A:GLU:H	18	0.22
(3,74)	1:5:A:THR:HG21	1:40:A:LEU:H	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,74)	1:5:A:THR:HG22	1:40:A:LEU:H	5	0.22
(3,74)	1:5:A:THR:HG23	1:40:A:LEU:H	5	0.22
(3,72)	1:45:A:VAL:HG21	1:46:A:ASP:H	10	0.22
(3,72)	1:45:A:VAL:HG22	1:46:A:ASP:H	10	0.22
(3,72)	1:45:A:VAL:HG23	1:46:A:ASP:H	10	0.22
(3,72)	1:45:A:VAL:HG21	1:46:A:ASP:H	14	0.22
(3,72)	1:45:A:VAL:HG22	1:46:A:ASP:H	14	0.22
(3,72)	1:45:A:VAL:HG23	1:46:A:ASP:H	14	0.22
(3,72)	1:45:A:VAL:HG21	1:46:A:ASP:H	19	0.22
(3,72)	1:45:A:VAL:HG22	1:46:A:ASP:H	19	0.22
(3,72)	1:45:A:VAL:HG23	1:46:A:ASP:H	19	0.22
(3,33)	1:99:A:ASP:H	1:105:A:VAL:HB	16	0.22
(3,27)	1:129:A:VAL:H	1:129:A:VAL:HB	6	0.22
(3,27)	1:129:A:VAL:H	1:129:A:VAL:HB	19	0.22
(4,18)	1:94:A:ILE:H	1:108:A:ALA:O	11	0.21
(4,16)	1:109:A:PHE:H	1:132:A:TYR:O	1	0.21
(4,4)	1:105:A:VAL:H	1:128:A:VAL:O	7	0.21
(4,2)	1:103:A:GLY:O	1:128:A:VAL:H	12	0.21
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG21	10	0.21
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG22	10	0.21
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG23	10	0.21
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG21	10	0.21
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG22	10	0.21
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG23	10	0.21
(3,2149)	1:120:A:GLU:HG2	1:123:A:ASP:HB2	20	0.21
(3,2149)	1:120:A:GLU:HG2	1:123:A:ASP:HB3	20	0.21
(3,2149)	1:120:A:GLU:HG3	1:123:A:ASP:HB2	20	0.21
(3,2149)	1:120:A:GLU:HG3	1:123:A:ASP:HB3	20	0.21
(3,2116)	1:111:A:ASN:H	1:111:A:ASN:HD21	19	0.21
(3,2116)	1:111:A:ASN:H	1:111:A:ASN:HD22	19	0.21
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG21	3	0.21
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG22	3	0.21
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG23	3	0.21
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG21	3	0.21
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG22	3	0.21
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG23	3	0.21
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG21	11	0.21
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG22	11	0.21
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG23	11	0.21
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG21	11	0.21
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG22	11	0.21
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG23	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2104)	1:109:A:PHE:H	1:132:A:TYR:HB2	3	0.21
(3,2104)	1:109:A:PHE:H	1:132:A:TYR:HB3	3	0.21
(3,2047)	1:89:A:LYS:HG2	1:90:A:GLU:H	14	0.21
(3,2047)	1:89:A:LYS:HG3	1:90:A:GLU:H	14	0.21
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB2	13	0.21
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB3	13	0.21
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB2	4	0.21
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB3	4	0.21
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB2	7	0.21
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB3	7	0.21
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD11	15	0.21
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD12	15	0.21
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD13	15	0.21
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD11	15	0.21
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD12	15	0.21
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD13	15	0.21
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD11	18	0.21
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD12	18	0.21
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD13	18	0.21
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD11	18	0.21
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD12	18	0.21
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD13	18	0.21
(3,1880)	1:45:A:VAL:HA	1:51:A:SER:HB2	9	0.21
(3,1880)	1:45:A:VAL:HA	1:51:A:SER:HB3	9	0.21
(3,1871)	1:44:A:LEU:HB2	1:49:A:LEU:H	5	0.21
(3,1871)	1:44:A:LEU:HB3	1:49:A:LEU:H	5	0.21
(3,1803)	1:29:A:ALA:H	1:30:A:LEU:HB2	9	0.21
(3,1803)	1:29:A:ALA:H	1:30:A:LEU:HB3	9	0.21
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD2	5	0.21
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD3	5	0.21
(3,1769)	1:16:A:LEU:HB2	1:17:A:ASP:HA	5	0.21
(3,1769)	1:16:A:LEU:HB3	1:17:A:ASP:HA	5	0.21
(3,1769)	1:16:A:LEU:HB2	1:17:A:ASP:HA	11	0.21
(3,1769)	1:16:A:LEU:HB3	1:17:A:ASP:HA	11	0.21
(3,1769)	1:16:A:LEU:HB2	1:17:A:ASP:HA	12	0.21
(3,1769)	1:16:A:LEU:HB3	1:17:A:ASP:HA	12	0.21
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG2	17	0.21
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG3	17	0.21
(3,1689)	1:29:A:ALA:HB1	1:44:A:LEU:HG	13	0.21
(3,1689)	1:29:A:ALA:HB2	1:44:A:LEU:HG	13	0.21
(3,1689)	1:29:A:ALA:HB3	1:44:A:LEU:HG	13	0.21
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG21	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG22	18	0.21
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG23	18	0.21
(3,1580)	1:79:A:VAL:HG11	1:97:A:ALA:HA	14	0.21
(3,1580)	1:79:A:VAL:HG12	1:97:A:ALA:HA	14	0.21
(3,1580)	1:79:A:VAL:HG13	1:97:A:ALA:HA	14	0.21
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG21	7	0.21
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG22	7	0.21
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG23	7	0.21
(3,1505)	1:15:A:LEU:HA	1:21:A:LEU:HD11	3	0.21
(3,1505)	1:15:A:LEU:HA	1:21:A:LEU:HD12	3	0.21
(3,1505)	1:15:A:LEU:HA	1:21:A:LEU:HD13	3	0.21
(3,1456)	1:70:A:LEU:HD21	1:94:A:ILE:HD11	4	0.21
(3,1456)	1:70:A:LEU:HD21	1:94:A:ILE:HD12	4	0.21
(3,1456)	1:70:A:LEU:HD21	1:94:A:ILE:HD13	4	0.21
(3,1456)	1:70:A:LEU:HD22	1:94:A:ILE:HD11	4	0.21
(3,1456)	1:70:A:LEU:HD22	1:94:A:ILE:HD12	4	0.21
(3,1456)	1:70:A:LEU:HD22	1:94:A:ILE:HD13	4	0.21
(3,1456)	1:70:A:LEU:HD23	1:94:A:ILE:HD11	4	0.21
(3,1456)	1:70:A:LEU:HD23	1:94:A:ILE:HD12	4	0.21
(3,1456)	1:70:A:LEU:HD23	1:94:A:ILE:HD13	4	0.21
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG11	14	0.21
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG12	14	0.21
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG13	14	0.21
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG11	14	0.21
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG12	14	0.21
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG13	14	0.21
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG11	14	0.21
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG12	14	0.21
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG13	14	0.21
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG21	4	0.21
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG22	4	0.21
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG23	4	0.21
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG21	9	0.21
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG22	9	0.21
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG23	9	0.21
(3,1391)	1:106:A:ARG:HA	1:130:A:GLU:HG2	5	0.21
(3,1391)	1:106:A:ARG:HA	1:130:A:GLU:HG3	5	0.21
(3,1337)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	14	0.21
(3,1337)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	14	0.21
(3,1337)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	14	0.21
(3,1320)	1:6:A:ILE:HG21	1:115:A:THR:HB	18	0.21
(3,1320)	1:6:A:ILE:HG22	1:115:A:THR:HB	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1320)	1:6:A:ILE:HG23	1:115:A:THR:HB	18	0.21
(3,1315)	1:59:A:ILE:HG21	1:65:A:ILE:HA	1	0.21
(3,1315)	1:59:A:ILE:HG22	1:65:A:ILE:HA	1	0.21
(3,1315)	1:59:A:ILE:HG23	1:65:A:ILE:HA	1	0.21
(3,1264)	1:2:A:SER:HB2	1:3:A:VAL:HG21	5	0.21
(3,1264)	1:2:A:SER:HB2	1:3:A:VAL:HG22	5	0.21
(3,1264)	1:2:A:SER:HB2	1:3:A:VAL:HG23	5	0.21
(3,1264)	1:2:A:SER:HB3	1:3:A:VAL:HG21	5	0.21
(3,1264)	1:2:A:SER:HB3	1:3:A:VAL:HG22	5	0.21
(3,1264)	1:2:A:SER:HB3	1:3:A:VAL:HG23	5	0.21
(3,1254)	1:134:A:THR:HG21	1:138:A:ALA:HB1	11	0.21
(3,1254)	1:134:A:THR:HG21	1:138:A:ALA:HB2	11	0.21
(3,1254)	1:134:A:THR:HG21	1:138:A:ALA:HB3	11	0.21
(3,1254)	1:134:A:THR:HG22	1:138:A:ALA:HB1	11	0.21
(3,1254)	1:134:A:THR:HG22	1:138:A:ALA:HB2	11	0.21
(3,1254)	1:134:A:THR:HG22	1:138:A:ALA:HB3	11	0.21
(3,1254)	1:134:A:THR:HG23	1:138:A:ALA:HB1	11	0.21
(3,1254)	1:134:A:THR:HG23	1:138:A:ALA:HB2	11	0.21
(3,1254)	1:134:A:THR:HG23	1:138:A:ALA:HB3	11	0.21
(3,1235)	1:83:A:LEU:HD21	1:121:A:VAL:HA	14	0.21
(3,1235)	1:83:A:LEU:HD22	1:121:A:VAL:HA	14	0.21
(3,1235)	1:83:A:LEU:HD23	1:121:A:VAL:HA	14	0.21
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD11	6	0.21
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD12	6	0.21
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD13	6	0.21
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD11	6	0.21
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD12	6	0.21
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD13	6	0.21
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD11	6	0.21
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD12	6	0.21
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD13	6	0.21
(3,1042)	1:18:A:ALA:HB1	1:20:A:LEU:HD21	16	0.21
(3,1042)	1:18:A:ALA:HB1	1:20:A:LEU:HD22	16	0.21
(3,1042)	1:18:A:ALA:HB1	1:20:A:LEU:HD23	16	0.21
(3,1042)	1:18:A:ALA:HB2	1:20:A:LEU:HD21	16	0.21
(3,1042)	1:18:A:ALA:HB2	1:20:A:LEU:HD22	16	0.21
(3,1042)	1:18:A:ALA:HB2	1:20:A:LEU:HD23	16	0.21
(3,1042)	1:18:A:ALA:HB3	1:20:A:LEU:HD21	16	0.21
(3,1042)	1:18:A:ALA:HB3	1:20:A:LEU:HD22	16	0.21
(3,1042)	1:18:A:ALA:HB3	1:20:A:LEU:HD23	16	0.21
(3,988)	1:56:A:ALA:HA	1:58:A:THR:H	14	0.21
(3,986)	1:43:A:VAL:HB	1:46:A:ASP:H	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,978)	1:32:A:ARG:H	1:34:A:ARG:HB2	9	0.21
(3,978)	1:32:A:ARG:H	1:34:A:ARG:HB3	9	0.21
(3,976)	1:30:A:LEU:H	1:40:A:LEU:HD21	8	0.21
(3,976)	1:30:A:LEU:H	1:40:A:LEU:HD22	8	0.21
(3,976)	1:30:A:LEU:H	1:40:A:LEU:HD23	8	0.21
(3,971)	1:23:A:ASP:HB2	1:25:A:GLU:H	1	0.21
(3,971)	1:23:A:ASP:HB3	1:25:A:GLU:H	1	0.21
(3,952)	1:70:A:LEU:HD21	1:73:A:VAL:H	10	0.21
(3,952)	1:70:A:LEU:HD22	1:73:A:VAL:H	10	0.21
(3,952)	1:70:A:LEU:HD23	1:73:A:VAL:H	10	0.21
(3,891)	1:121:A:VAL:H	1:123:A:ASP:H	18	0.21
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD21	17	0.21
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD22	17	0.21
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD23	17	0.21
(3,822)	1:68:A:VAL:H	1:132:A:TYR:HD1	18	0.21
(3,822)	1:68:A:VAL:H	1:132:A:TYR:HD2	18	0.21
(3,811)	1:62:A:ARG:H	1:64:A:GLY:H	8	0.21
(3,811)	1:62:A:ARG:H	1:64:A:GLY:H	14	0.21
(3,799)	1:24:A:GLU:H	1:27:A:GLN:HB2	5	0.21
(3,799)	1:24:A:GLU:H	1:27:A:GLN:HB3	5	0.21
(3,789)	1:45:A:VAL:H	1:48:A:GLY:H	10	0.21
(3,774)	1:35:A:GLU:HB3	1:36:A:VAL:H	18	0.21
(3,711)	1:6:A:ILE:HG21	1:8:A:ASP:H	13	0.21
(3,711)	1:6:A:ILE:HG22	1:8:A:ASP:H	13	0.21
(3,711)	1:6:A:ILE:HG23	1:8:A:ASP:H	13	0.21
(3,702)	1:124:A:LEU:HB3	1:125:A:THR:H	7	0.21
(3,699)	1:124:A:LEU:HD21	1:125:A:THR:H	10	0.21
(3,699)	1:124:A:LEU:HD22	1:125:A:THR:H	10	0.21
(3,699)	1:124:A:LEU:HD23	1:125:A:THR:H	10	0.21
(3,681)	1:48:A:GLY:H	1:50:A:LEU:H	5	0.21
(3,647)	1:126:A:GLY:H	1:127:A:LEU:HG	5	0.21
(3,644)	1:36:A:VAL:HG11	1:37:A:GLY:H	2	0.21
(3,644)	1:36:A:VAL:HG12	1:37:A:GLY:H	2	0.21
(3,644)	1:36:A:VAL:HG13	1:37:A:GLY:H	2	0.21
(3,644)	1:36:A:VAL:HG11	1:37:A:GLY:H	3	0.21
(3,644)	1:36:A:VAL:HG12	1:37:A:GLY:H	3	0.21
(3,644)	1:36:A:VAL:HG13	1:37:A:GLY:H	3	0.21
(3,597)	1:89:A:LYS:H	1:143:A:LEU:HD11	10	0.21
(3,597)	1:89:A:LYS:H	1:143:A:LEU:HD12	10	0.21
(3,597)	1:89:A:LYS:H	1:143:A:LEU:HD13	10	0.21
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD21	9	0.21
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD22	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD23	9	0.21
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD21	14	0.21
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD22	14	0.21
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD23	14	0.21
(3,485)	1:143:A:LEU:HD21	1:144:A:ALA:H	2	0.21
(3,485)	1:143:A:LEU:HD22	1:144:A:ALA:H	2	0.21
(3,485)	1:143:A:LEU:HD23	1:144:A:ALA:H	2	0.21
(3,469)	1:83:A:LEU:HD11	1:87:A:LYS:H	1	0.21
(3,469)	1:83:A:LEU:HD12	1:87:A:LYS:H	1	0.21
(3,469)	1:83:A:LEU:HD13	1:87:A:LYS:H	1	0.21
(3,451)	1:15:A:LEU:H	1:15:A:LEU:HD21	4	0.21
(3,451)	1:15:A:LEU:H	1:15:A:LEU:HD22	4	0.21
(3,451)	1:15:A:LEU:H	1:15:A:LEU:HD23	4	0.21
(3,428)	1:119:A:GLU:H	1:121:A:VAL:HB	7	0.21
(3,388)	1:98:A:LEU:HA	1:104:A:VAL:H	19	0.21
(3,386)	1:79:A:VAL:HG21	1:80:A:LYS:H	14	0.21
(3,386)	1:79:A:VAL:HG22	1:80:A:LYS:H	14	0.21
(3,386)	1:79:A:VAL:HG23	1:80:A:LYS:H	14	0.21
(3,385)	1:75:A:ILE:HG21	1:80:A:LYS:H	18	0.21
(3,385)	1:75:A:ILE:HG22	1:80:A:LYS:H	18	0.21
(3,385)	1:75:A:ILE:HG23	1:80:A:LYS:H	18	0.21
(3,368)	1:45:A:VAL:HG21	1:49:A:LEU:H	8	0.21
(3,368)	1:45:A:VAL:HG22	1:49:A:LEU:H	8	0.21
(3,368)	1:45:A:VAL:HG23	1:49:A:LEU:H	8	0.21
(3,346)	1:58:A:THR:HG21	1:61:A:ASP:H	13	0.21
(3,346)	1:58:A:THR:HG22	1:61:A:ASP:H	13	0.21
(3,346)	1:58:A:THR:HG23	1:61:A:ASP:H	13	0.21
(3,338)	1:57:A:GLN:H	1:58:A:THR:HB	2	0.21
(3,307)	1:33:A:HIS:H	1:43:A:VAL:HB	13	0.21
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG11	1	0.21
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG12	1	0.21
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG13	1	0.21
(3,302)	1:33:A:HIS:H	1:43:A:VAL:HG21	3	0.21
(3,302)	1:33:A:HIS:H	1:43:A:VAL:HG22	3	0.21
(3,302)	1:33:A:HIS:H	1:43:A:VAL:HG23	3	0.21
(3,273)	1:150:A:LEU:H	1:150:A:LEU:HD11	8	0.21
(3,273)	1:150:A:LEU:H	1:150:A:LEU:HD12	8	0.21
(3,273)	1:150:A:LEU:H	1:150:A:LEU:HD13	8	0.21
(3,257)	1:59:A:ILE:HG21	1:65:A:ILE:H	5	0.21
(3,257)	1:59:A:ILE:HG22	1:65:A:ILE:H	5	0.21
(3,257)	1:59:A:ILE:HG23	1:65:A:ILE:H	5	0.21
(3,242)	1:9:A:LYS:H	1:9:A:LYS:HD2	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,242)	1:9:A:LYS:H	1:9:A:LYS:HD3	20	0.21
(3,211)	1:121:A:VAL:HG21	1:123:A:ASP:H	8	0.21
(3,211)	1:121:A:VAL:HG22	1:123:A:ASP:H	8	0.21
(3,211)	1:121:A:VAL:HG23	1:123:A:ASP:H	8	0.21
(3,202)	1:122:A:GLU:HA	1:127:A:LEU:H	3	0.21
(3,179)	1:51:A:SER:HB2	1:52:A:GLU:H	17	0.21
(3,161)	1:115:A:THR:HG21	1:118:A:LEU:H	6	0.21
(3,161)	1:115:A:THR:HG22	1:118:A:LEU:H	6	0.21
(3,161)	1:115:A:THR:HG23	1:118:A:LEU:H	6	0.21
(3,141)	1:56:A:ALA:HB1	1:59:A:ILE:H	17	0.21
(3,141)	1:56:A:ALA:HB2	1:59:A:ILE:H	17	0.21
(3,141)	1:56:A:ALA:HB3	1:59:A:ILE:H	17	0.21
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD11	1	0.21
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD12	1	0.21
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD13	1	0.21
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD11	6	0.21
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD12	6	0.21
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD13	6	0.21
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD11	14	0.21
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD12	14	0.21
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD13	14	0.21
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD11	15	0.21
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD12	15	0.21
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD13	15	0.21
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD21	14	0.21
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD22	14	0.21
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD23	14	0.21
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD21	17	0.21
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD22	17	0.21
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD23	17	0.21
(3,108)	1:88:A:ALA:HB1	1:93:A:ALA:H	3	0.21
(3,108)	1:88:A:ALA:HB2	1:93:A:ALA:H	3	0.21
(3,108)	1:88:A:ALA:HB3	1:93:A:ALA:H	3	0.21
(3,78)	1:11:A:LEU:HD21	1:40:A:LEU:H	4	0.21
(3,78)	1:11:A:LEU:HD22	1:40:A:LEU:H	4	0.21
(3,78)	1:11:A:LEU:HD23	1:40:A:LEU:H	4	0.21
(3,72)	1:45:A:VAL:HG21	1:46:A:ASP:H	5	0.21
(3,72)	1:45:A:VAL:HG22	1:46:A:ASP:H	5	0.21
(3,72)	1:45:A:VAL:HG23	1:46:A:ASP:H	5	0.21
(3,72)	1:45:A:VAL:HG21	1:46:A:ASP:H	9	0.21
(3,72)	1:45:A:VAL:HG22	1:46:A:ASP:H	9	0.21
(3,72)	1:45:A:VAL:HG23	1:46:A:ASP:H	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,27)	1:129:A:VAL:H	1:129:A:VAL:HB	9	0.21
(3,23)	1:122:A:GLU:HB2	1:129:A:VAL:H	12	0.21
(4,18)	1:94:A:ILE:H	1:108:A:ALA:O	8	0.2
(4,16)	1:109:A:PHE:H	1:132:A:TYR:O	5	0.2
(3,2214)	1:150:A:LEU:HB2	1:152:A:LEU:H	10	0.2
(3,2214)	1:150:A:LEU:HB3	1:152:A:LEU:H	10	0.2
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB2	2	0.2
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB3	2	0.2
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB2	2	0.2
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB3	2	0.2
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB2	2	0.2
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB3	2	0.2
(3,2062)	1:92:A:LYS:HB2	1:110:A:LEU:H	2	0.2
(3,2062)	1:92:A:LYS:HB3	1:110:A:LEU:H	2	0.2
(3,2056)	1:91:A:LEU:HD11	1:120:A:GLU:HB2	10	0.2
(3,2056)	1:91:A:LEU:HD11	1:120:A:GLU:HB3	10	0.2
(3,2056)	1:91:A:LEU:HD12	1:120:A:GLU:HB2	10	0.2
(3,2056)	1:91:A:LEU:HD12	1:120:A:GLU:HB3	10	0.2
(3,2056)	1:91:A:LEU:HD13	1:120:A:GLU:HB2	10	0.2
(3,2056)	1:91:A:LEU:HD13	1:120:A:GLU:HB3	10	0.2
(3,2034)	1:85:A:ALA:H	1:87:A:LYS:HB2	13	0.2
(3,2034)	1:85:A:ALA:H	1:87:A:LYS:HB3	13	0.2
(3,2027)	1:84:A:PRO:HB2	1:87:A:LYS:H	13	0.2
(3,2027)	1:84:A:PRO:HB3	1:87:A:LYS:H	13	0.2
(3,2003)	1:75:A:ILE:HG21	1:95:A:PRO:HB2	8	0.2
(3,2003)	1:75:A:ILE:HG21	1:95:A:PRO:HB3	8	0.2
(3,2003)	1:75:A:ILE:HG22	1:95:A:PRO:HB2	8	0.2
(3,2003)	1:75:A:ILE:HG22	1:95:A:PRO:HB3	8	0.2
(3,2003)	1:75:A:ILE:HG23	1:95:A:PRO:HB2	8	0.2
(3,2003)	1:75:A:ILE:HG23	1:95:A:PRO:HB3	8	0.2
(3,1934)	1:58:A:THR:HA	1:61:A:ASP:HB2	13	0.2
(3,1934)	1:58:A:THR:HA	1:61:A:ASP:HB3	13	0.2
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB2	9	0.2
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB3	9	0.2
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB2	20	0.2
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB3	20	0.2
(3,1915)	1:51:A:SER:HB2	1:54:A:ARG:H	16	0.2
(3,1915)	1:51:A:SER:HB3	1:54:A:ARG:H	16	0.2
(3,1906)	1:50:A:LEU:HB2	1:55:A:ILE:HA	9	0.2
(3,1906)	1:50:A:LEU:HB3	1:55:A:ILE:HA	9	0.2
(3,1906)	1:50:A:LEU:HB2	1:55:A:ILE:HA	17	0.2
(3,1906)	1:50:A:LEU:HB3	1:55:A:ILE:HA	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD11	6	0.2
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD12	6	0.2
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD13	6	0.2
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD11	6	0.2
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD12	6	0.2
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD13	6	0.2
(3,1880)	1:45:A:VAL:HA	1:51:A:SER:HB2	14	0.2
(3,1880)	1:45:A:VAL:HA	1:51:A:SER:HB3	14	0.2
(3,1826)	1:32:A:ARG:HD2	1:33:A:HIS:H	13	0.2
(3,1826)	1:32:A:ARG:HD3	1:33:A:HIS:H	13	0.2
(3,1794)	1:25:A:GLU:HB2	1:27:A:GLN:H	11	0.2
(3,1794)	1:25:A:GLU:HB3	1:27:A:GLN:H	11	0.2
(3,1784)	1:21:A:LEU:HB2	1:25:A:GLU:H	14	0.2
(3,1784)	1:21:A:LEU:HB3	1:25:A:GLU:H	14	0.2
(3,1783)	1:21:A:LEU:HB2	1:22:A:THR:HA	4	0.2
(3,1783)	1:21:A:LEU:HB3	1:22:A:THR:HA	4	0.2
(3,1783)	1:21:A:LEU:HB2	1:22:A:THR:HA	9	0.2
(3,1783)	1:21:A:LEU:HB3	1:22:A:THR:HA	9	0.2
(3,1783)	1:21:A:LEU:HB2	1:22:A:THR:HA	18	0.2
(3,1783)	1:21:A:LEU:HB3	1:22:A:THR:HA	18	0.2
(3,1783)	1:21:A:LEU:HB2	1:22:A:THR:HA	20	0.2
(3,1783)	1:21:A:LEU:HB3	1:22:A:THR:HA	20	0.2
(3,1769)	1:16:A:LEU:HB2	1:17:A:ASP:HA	9	0.2
(3,1769)	1:16:A:LEU:HB3	1:17:A:ASP:HA	9	0.2
(3,1765)	1:15:A:LEU:HB2	1:50:A:LEU:HD11	3	0.2
(3,1765)	1:15:A:LEU:HB2	1:50:A:LEU:HD12	3	0.2
(3,1765)	1:15:A:LEU:HB2	1:50:A:LEU:HD13	3	0.2
(3,1765)	1:15:A:LEU:HB3	1:50:A:LEU:HD11	3	0.2
(3,1765)	1:15:A:LEU:HB3	1:50:A:LEU:HD12	3	0.2
(3,1765)	1:15:A:LEU:HB3	1:50:A:LEU:HD13	3	0.2
(3,1758)	1:14:A:ALA:HB1	1:62:A:ARG:HD2	9	0.2
(3,1758)	1:14:A:ALA:HB1	1:62:A:ARG:HD3	9	0.2
(3,1758)	1:14:A:ALA:HB2	1:62:A:ARG:HD2	9	0.2
(3,1758)	1:14:A:ALA:HB2	1:62:A:ARG:HD3	9	0.2
(3,1758)	1:14:A:ALA:HB3	1:62:A:ARG:HD2	9	0.2
(3,1758)	1:14:A:ALA:HB3	1:62:A:ARG:HD3	9	0.2
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG2	6	0.2
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG3	6	0.2
(3,1715)	1:7:A:GLY:HA2	1:12:A:GLY:H	11	0.2
(3,1715)	1:7:A:GLY:HA3	1:12:A:GLY:H	11	0.2
(3,1691)	1:139:A:PHE:HD1	1:143:A:LEU:HD11	17	0.2
(3,1691)	1:139:A:PHE:HD1	1:143:A:LEU:HD12	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1691)	1:139:A:PHE:HD1	1:143:A:LEU:HD13	17	0.2
(3,1691)	1:139:A:PHE:HD2	1:143:A:LEU:HD11	17	0.2
(3,1691)	1:139:A:PHE:HD2	1:143:A:LEU:HD12	17	0.2
(3,1691)	1:139:A:PHE:HD2	1:143:A:LEU:HD13	17	0.2
(3,1681)	1:140:A:LEU:HD11	1:141:A:TYR:HA	15	0.2
(3,1681)	1:140:A:LEU:HD12	1:141:A:TYR:HA	15	0.2
(3,1681)	1:140:A:LEU:HD13	1:141:A:TYR:HA	15	0.2
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE1	6	0.2
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE2	6	0.2
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE1	6	0.2
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE2	6	0.2
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE1	6	0.2
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE2	6	0.2
(3,1616)	1:79:A:VAL:HG21	1:105:A:VAL:HG11	13	0.2
(3,1616)	1:79:A:VAL:HG21	1:105:A:VAL:HG12	13	0.2
(3,1616)	1:79:A:VAL:HG21	1:105:A:VAL:HG13	13	0.2
(3,1616)	1:79:A:VAL:HG22	1:105:A:VAL:HG11	13	0.2
(3,1616)	1:79:A:VAL:HG22	1:105:A:VAL:HG12	13	0.2
(3,1616)	1:79:A:VAL:HG22	1:105:A:VAL:HG13	13	0.2
(3,1616)	1:79:A:VAL:HG23	1:105:A:VAL:HG11	13	0.2
(3,1616)	1:79:A:VAL:HG23	1:105:A:VAL:HG12	13	0.2
(3,1616)	1:79:A:VAL:HG23	1:105:A:VAL:HG13	13	0.2
(3,1605)	1:98:A:LEU:HA	1:98:A:LEU:HD11	6	0.2
(3,1605)	1:98:A:LEU:HA	1:98:A:LEU:HD12	6	0.2
(3,1605)	1:98:A:LEU:HA	1:98:A:LEU:HD13	6	0.2
(3,1553)	1:20:A:LEU:H	1:50:A:LEU:HD11	7	0.2
(3,1553)	1:20:A:LEU:H	1:50:A:LEU:HD12	7	0.2
(3,1553)	1:20:A:LEU:H	1:50:A:LEU:HD13	7	0.2
(3,1537)	1:44:A:LEU:HD21	1:55:A:ILE:HG12	2	0.2
(3,1537)	1:44:A:LEU:HD21	1:55:A:ILE:HG13	2	0.2
(3,1537)	1:44:A:LEU:HD22	1:55:A:ILE:HG12	2	0.2
(3,1537)	1:44:A:LEU:HD22	1:55:A:ILE:HG13	2	0.2
(3,1537)	1:44:A:LEU:HD23	1:55:A:ILE:HG12	2	0.2
(3,1537)	1:44:A:LEU:HD23	1:55:A:ILE:HG13	2	0.2
(3,1493)	1:107:A:VAL:HG11	1:118:A:LEU:HG	16	0.2
(3,1493)	1:107:A:VAL:HG12	1:118:A:LEU:HG	16	0.2
(3,1493)	1:107:A:VAL:HG13	1:118:A:LEU:HG	16	0.2
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD11	10	0.2
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD12	10	0.2
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD13	10	0.2
(3,1465)	1:65:A:ILE:HG21	1:66:A:PRO:HG2	7	0.2
(3,1465)	1:65:A:ILE:HG21	1:66:A:PRO:HG3	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1465)	1:65:A:ILE:HG22	1:66:A:PRO:HG2	7	0.2
(3,1465)	1:65:A:ILE:HG22	1:66:A:PRO:HG3	7	0.2
(3,1465)	1:65:A:ILE:HG23	1:66:A:PRO:HG2	7	0.2
(3,1465)	1:65:A:ILE:HG23	1:66:A:PRO:HG3	7	0.2
(3,1401)	1:94:A:ILE:H	1:108:A:ALA:HB1	8	0.2
(3,1401)	1:94:A:ILE:H	1:108:A:ALA:HB2	8	0.2
(3,1401)	1:94:A:ILE:H	1:108:A:ALA:HB3	8	0.2
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD21	8	0.2
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD22	8	0.2
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD23	8	0.2
(3,1324)	1:6:A:ILE:HG21	1:115:A:THR:HA	12	0.2
(3,1324)	1:6:A:ILE:HG22	1:115:A:THR:HA	12	0.2
(3,1324)	1:6:A:ILE:HG23	1:115:A:THR:HA	12	0.2
(3,1173)	1:27:A:GLN:HA	1:30:A:LEU:H	20	0.2
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD11	14	0.2
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD12	14	0.2
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD13	14	0.2
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD11	14	0.2
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD12	14	0.2
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD13	14	0.2
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD11	14	0.2
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD12	14	0.2
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD13	14	0.2
(3,1151)	1:116:A:LEU:HG	1:117:A:SER:H	13	0.2
(3,1116)	1:41:A:ALA:HB1	1:55:A:ILE:HG12	4	0.2
(3,1116)	1:41:A:ALA:HB1	1:55:A:ILE:HG13	4	0.2
(3,1116)	1:41:A:ALA:HB2	1:55:A:ILE:HG12	4	0.2
(3,1116)	1:41:A:ALA:HB2	1:55:A:ILE:HG13	4	0.2
(3,1116)	1:41:A:ALA:HB3	1:55:A:ILE:HG12	4	0.2
(3,1116)	1:41:A:ALA:HB3	1:55:A:ILE:HG13	4	0.2
(3,1094)	1:14:A:ALA:HB1	1:58:A:THR:HG21	4	0.2
(3,1094)	1:14:A:ALA:HB1	1:58:A:THR:HG22	4	0.2
(3,1094)	1:14:A:ALA:HB1	1:58:A:THR:HG23	4	0.2
(3,1094)	1:14:A:ALA:HB2	1:58:A:THR:HG21	4	0.2
(3,1094)	1:14:A:ALA:HB2	1:58:A:THR:HG22	4	0.2
(3,1094)	1:14:A:ALA:HB2	1:58:A:THR:HG23	4	0.2
(3,1094)	1:14:A:ALA:HB3	1:58:A:THR:HG21	4	0.2
(3,1094)	1:14:A:ALA:HB3	1:58:A:THR:HG22	4	0.2
(3,1094)	1:14:A:ALA:HB3	1:58:A:THR:HG23	4	0.2
(3,1054)	1:31:A:GLU:HA	1:34:A:ARG:H	1	0.2
(3,1052)	1:26:A:LEU:HA	1:29:A:ALA:HB1	10	0.2
(3,1052)	1:26:A:LEU:HA	1:29:A:ALA:HB2	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1052)	1:26:A:LEU:HA	1:29:A:ALA:HB3	10	0.2
(3,1005)	1:106:A:ARG:HA	1:132:A:TYR:H	4	0.2
(3,1004)	1:109:A:PHE:H	1:133:A:GLN:H	11	0.2
(3,988)	1:56:A:ALA:HA	1:58:A:THR:H	5	0.2
(3,988)	1:56:A:ALA:HA	1:58:A:THR:H	18	0.2
(3,967)	1:16:A:LEU:HD11	1:17:A:ASP:H	2	0.2
(3,967)	1:16:A:LEU:HD12	1:17:A:ASP:H	2	0.2
(3,967)	1:16:A:LEU:HD13	1:17:A:ASP:H	2	0.2
(3,901)	1:104:A:VAL:HG11	1:128:A:VAL:H	17	0.2
(3,901)	1:104:A:VAL:HG12	1:128:A:VAL:H	17	0.2
(3,901)	1:104:A:VAL:HG13	1:128:A:VAL:H	17	0.2
(3,901)	1:104:A:VAL:HG21	1:128:A:VAL:H	17	0.2
(3,901)	1:104:A:VAL:HG22	1:128:A:VAL:H	17	0.2
(3,901)	1:104:A:VAL:HG23	1:128:A:VAL:H	17	0.2
(3,894)	1:123:A:ASP:H	1:125:A:THR:H	4	0.2
(3,894)	1:123:A:ASP:H	1:125:A:THR:H	15	0.2
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD21	9	0.2
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD22	9	0.2
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD23	9	0.2
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD21	11	0.2
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD22	11	0.2
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD23	11	0.2
(3,858)	1:95:A:PRO:HA	1:97:A:ALA:H	2	0.2
(3,821)	1:67:A:LEU:H	1:68:A:VAL:H	14	0.2
(3,799)	1:24:A:GLU:H	1:27:A:GLN:HB2	2	0.2
(3,799)	1:24:A:GLU:H	1:27:A:GLN:HB3	2	0.2
(3,789)	1:45:A:VAL:H	1:48:A:GLY:H	9	0.2
(3,763)	1:32:A:ARG:H	1:35:A:GLU:H	15	0.2
(3,756)	1:27:A:GLN:HB2	1:29:A:ALA:H	16	0.2
(3,756)	1:27:A:GLN:HB3	1:29:A:ALA:H	16	0.2
(3,718)	1:22:A:THR:H	1:26:A:LEU:H	20	0.2
(3,711)	1:6:A:ILE:HG21	1:8:A:ASP:H	6	0.2
(3,711)	1:6:A:ILE:HG22	1:8:A:ASP:H	6	0.2
(3,711)	1:6:A:ILE:HG23	1:8:A:ASP:H	6	0.2
(3,682)	1:150:A:LEU:HD21	1:151:A:GLY:H	16	0.2
(3,682)	1:150:A:LEU:HD22	1:151:A:GLY:H	16	0.2
(3,682)	1:150:A:LEU:HD23	1:151:A:GLY:H	16	0.2
(3,681)	1:48:A:GLY:H	1:50:A:LEU:H	9	0.2
(3,681)	1:48:A:GLY:H	1:50:A:LEU:H	15	0.2
(3,668)	1:56:A:ALA:HB1	1:133:A:GLN:HE21	6	0.2
(3,668)	1:56:A:ALA:HB2	1:133:A:GLN:HE21	6	0.2
(3,668)	1:56:A:ALA:HB3	1:133:A:GLN:HE21	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,665)	1:59:A:ILE:HG21	1:64:A:GLY:H	7	0.2
(3,665)	1:59:A:ILE:HG22	1:64:A:GLY:H	7	0.2
(3,665)	1:59:A:ILE:HG23	1:64:A:GLY:H	7	0.2
(3,665)	1:59:A:ILE:HG21	1:64:A:GLY:H	15	0.2
(3,665)	1:59:A:ILE:HG22	1:64:A:GLY:H	15	0.2
(3,665)	1:59:A:ILE:HG23	1:64:A:GLY:H	15	0.2
(3,649)	1:22:A:THR:H	1:25:A:GLU:HG2	12	0.2
(3,649)	1:22:A:THR:H	1:25:A:GLU:HG3	12	0.2
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD21	8	0.2
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD22	8	0.2
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD23	8	0.2
(3,647)	1:126:A:GLY:H	1:127:A:LEU:HG	8	0.2
(3,644)	1:36:A:VAL:HG11	1:37:A:GLY:H	17	0.2
(3,644)	1:36:A:VAL:HG12	1:37:A:GLY:H	17	0.2
(3,644)	1:36:A:VAL:HG13	1:37:A:GLY:H	17	0.2
(3,643)	1:33:A:HIS:HA	1:37:A:GLY:H	12	0.2
(3,631)	1:110:A:LEU:HB3	1:111:A:ASN:H	4	0.2
(3,628)	1:109:A:PHE:HB3	1:111:A:ASN:H	4	0.2
(3,607)	1:59:A:ILE:HA	1:63:A:PHE:H	10	0.2
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG12	10	0.2
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG13	10	0.2
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD21	10	0.2
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD22	10	0.2
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD23	10	0.2
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD21	17	0.2
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD22	17	0.2
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD23	17	0.2
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD21	20	0.2
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD22	20	0.2
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD23	20	0.2
(3,425)	1:132:A:TYR:HE1	1:133:A:GLN:H	7	0.2
(3,425)	1:132:A:TYR:HE2	1:133:A:GLN:H	7	0.2
(3,425)	1:132:A:TYR:HE1	1:133:A:GLN:H	8	0.2
(3,425)	1:132:A:TYR:HE2	1:133:A:GLN:H	8	0.2
(3,425)	1:132:A:TYR:HE1	1:133:A:GLN:H	20	0.2
(3,425)	1:132:A:TYR:HE2	1:133:A:GLN:H	20	0.2
(3,413)	1:107:A:VAL:HB	1:132:A:TYR:H	4	0.2
(3,396)	1:40:A:LEU:HD11	1:44:A:LEU:H	8	0.2
(3,396)	1:40:A:LEU:HD12	1:44:A:LEU:H	8	0.2
(3,396)	1:40:A:LEU:HD13	1:44:A:LEU:H	8	0.2
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG11	3	0.2
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG12	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG13	3	0.2
(3,363)	1:120:A:GLU:HB2	1:121:A:VAL:H	12	0.2
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD11	7	0.2
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD12	7	0.2
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD13	7	0.2
(3,307)	1:33:A:HIS:H	1:43:A:VAL:HB	4	0.2
(3,220)	1:30:A:LEU:HG	1:31:A:GLU:H	16	0.2
(3,211)	1:121:A:VAL:HG21	1:123:A:ASP:H	15	0.2
(3,211)	1:121:A:VAL:HG22	1:123:A:ASP:H	15	0.2
(3,211)	1:121:A:VAL:HG23	1:123:A:ASP:H	15	0.2
(3,211)	1:121:A:VAL:HG21	1:123:A:ASP:H	20	0.2
(3,211)	1:121:A:VAL:HG22	1:123:A:ASP:H	20	0.2
(3,211)	1:121:A:VAL:HG23	1:123:A:ASP:H	20	0.2
(3,191)	1:56:A:ALA:H	1:59:A:ILE:HB	19	0.2
(3,191)	1:56:A:ALA:H	1:59:A:ILE:HB	20	0.2
(3,167)	1:55:A:ILE:H	1:55:A:ILE:HG12	12	0.2
(3,167)	1:55:A:ILE:H	1:55:A:ILE:HG13	12	0.2
(3,141)	1:56:A:ALA:HB1	1:59:A:ILE:H	13	0.2
(3,141)	1:56:A:ALA:HB2	1:59:A:ILE:H	13	0.2
(3,141)	1:56:A:ALA:HB3	1:59:A:ILE:H	13	0.2
(3,135)	1:116:A:LEU:HG	1:118:A:LEU:H	19	0.2
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE1	17	0.2
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE2	17	0.2
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD11	16	0.2
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD12	16	0.2
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD13	16	0.2
(3,45)	1:3:A:VAL:HB	1:4:A:LEU:H	14	0.2
(3,37)	1:105:A:VAL:H	1:129:A:VAL:HB	13	0.2
(3,27)	1:129:A:VAL:H	1:129:A:VAL:HB	7	0.2
(3,22)	1:122:A:GLU:HA	1:129:A:VAL:H	4	0.2
(3,4)	1:104:A:VAL:HG11	1:130:A:GLU:H	2	0.2
(3,4)	1:104:A:VAL:HG12	1:130:A:GLU:H	2	0.2
(3,4)	1:104:A:VAL:HG13	1:130:A:GLU:H	2	0.2
(3,4)	1:104:A:VAL:HG21	1:130:A:GLU:H	2	0.2
(3,4)	1:104:A:VAL:HG22	1:130:A:GLU:H	2	0.2
(3,4)	1:104:A:VAL:HG23	1:130:A:GLU:H	2	0.2
(4,15)	1:109:A:PHE:N	1:132:A:TYR:O	4	0.19
(4,13)	1:109:A:PHE:O	1:134:A:THR:N	7	0.19
(4,13)	1:109:A:PHE:O	1:134:A:THR:N	17	0.19
(3,2149)	1:120:A:GLU:HG2	1:123:A:ASP:HB2	10	0.19
(3,2149)	1:120:A:GLU:HG2	1:123:A:ASP:HB3	10	0.19
(3,2149)	1:120:A:GLU:HG3	1:123:A:ASP:HB2	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2149)	1:120:A:GLU:HG3	1:123:A:ASP:HB3	10	0.19
(3,2101)	1:106:A:ARG:HD2	1:132:A:TYR:HE1	13	0.19
(3,2101)	1:106:A:ARG:HD2	1:132:A:TYR:HE2	13	0.19
(3,2101)	1:106:A:ARG:HD3	1:132:A:TYR:HE1	13	0.19
(3,2101)	1:106:A:ARG:HD3	1:132:A:TYR:HE2	13	0.19
(3,2066)	1:93:A:ALA:H	1:94:A:ILE:HG12	7	0.19
(3,2066)	1:93:A:ALA:H	1:94:A:ILE:HG13	7	0.19
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB2	4	0.19
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB3	4	0.19
(3,2034)	1:85:A:ALA:H	1:87:A:LYS:HB2	12	0.19
(3,2034)	1:85:A:ALA:H	1:87:A:LYS:HB3	12	0.19
(3,2027)	1:84:A:PRO:HB2	1:87:A:LYS:H	2	0.19
(3,2027)	1:84:A:PRO:HB3	1:87:A:LYS:H	2	0.19
(3,2027)	1:84:A:PRO:HB2	1:87:A:LYS:H	18	0.19
(3,2027)	1:84:A:PRO:HB3	1:87:A:LYS:H	18	0.19
(3,2016)	1:81:A:ALA:H	1:82:A:LEU:HB2	16	0.19
(3,2016)	1:81:A:ALA:H	1:82:A:LEU:HB3	16	0.19
(3,2015)	1:80:A:LYS:HB2	1:81:A:ALA:H	16	0.19
(3,2015)	1:80:A:LYS:HB3	1:81:A:ALA:H	16	0.19
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB2	1	0.19
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB3	1	0.19
(3,1963)	1:62:A:ARG:HG2	1:63:A:PHE:H	6	0.19
(3,1963)	1:62:A:ARG:HG3	1:63:A:PHE:H	6	0.19
(3,1954)	1:60:A:GLU:HG2	1:66:A:PRO:HA	9	0.19
(3,1954)	1:60:A:GLU:HG3	1:66:A:PRO:HA	9	0.19
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	17	0.19
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE22	17	0.19
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	17	0.19
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE22	17	0.19
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	17	0.19
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE22	17	0.19
(3,1917)	1:53:A:ARG:HA	1:53:A:ARG:HD2	18	0.19
(3,1917)	1:53:A:ARG:HA	1:53:A:ARG:HD3	18	0.19
(3,1906)	1:50:A:LEU:HB2	1:55:A:ILE:HA	14	0.19
(3,1906)	1:50:A:LEU:HB3	1:55:A:ILE:HA	14	0.19
(3,1851)	1:39:A:SER:H	1:111:A:ASN:HD21	5	0.19
(3,1851)	1:39:A:SER:H	1:111:A:ASN:HD22	5	0.19
(3,1817)	1:32:A:ARG:H	1:33:A:HIS:HB2	10	0.19
(3,1817)	1:32:A:ARG:H	1:33:A:HIS:HB3	10	0.19
(3,1784)	1:21:A:LEU:HB2	1:25:A:GLU:H	9	0.19
(3,1784)	1:21:A:LEU:HB3	1:25:A:GLU:H	9	0.19
(3,1769)	1:16:A:LEU:HB2	1:17:A:ASP:HA	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1769)	1:16:A:LEU:HB3	1:17:A:ASP:HA	8	0.19
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD21	11	0.19
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD22	11	0.19
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD23	11	0.19
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD21	11	0.19
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD22	11	0.19
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD23	11	0.19
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG2	14	0.19
(3,1722)	1:8:A:ASP:H	1:9:A:LYS:HG3	14	0.19
(3,1716)	1:7:A:GLY:HA2	1:113:A:LEU:HA	19	0.19
(3,1716)	1:7:A:GLY:HA3	1:113:A:LEU:HA	19	0.19
(3,1715)	1:7:A:GLY:HA2	1:12:A:GLY:H	2	0.19
(3,1715)	1:7:A:GLY:HA3	1:12:A:GLY:H	2	0.19
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB2	2	0.19
(3,1712)	1:7:A:GLY:H	1:39:A:SER:HB3	2	0.19
(3,1706)	1:6:A:ILE:HB	1:116:A:LEU:HB2	1	0.19
(3,1706)	1:6:A:ILE:HB	1:116:A:LEU:HB3	1	0.19
(3,1706)	1:6:A:ILE:HB	1:116:A:LEU:HB2	17	0.19
(3,1706)	1:6:A:ILE:HB	1:116:A:LEU:HB3	17	0.19
(3,1689)	1:29:A:ALA:HB1	1:44:A:LEU:HG	8	0.19
(3,1689)	1:29:A:ALA:HB2	1:44:A:LEU:HG	8	0.19
(3,1689)	1:29:A:ALA:HB3	1:44:A:LEU:HG	8	0.19
(3,1616)	1:79:A:VAL:HG21	1:105:A:VAL:HG11	18	0.19
(3,1616)	1:79:A:VAL:HG21	1:105:A:VAL:HG12	18	0.19
(3,1616)	1:79:A:VAL:HG21	1:105:A:VAL:HG13	18	0.19
(3,1616)	1:79:A:VAL:HG22	1:105:A:VAL:HG11	18	0.19
(3,1616)	1:79:A:VAL:HG22	1:105:A:VAL:HG12	18	0.19
(3,1616)	1:79:A:VAL:HG22	1:105:A:VAL:HG13	18	0.19
(3,1616)	1:79:A:VAL:HG23	1:105:A:VAL:HG11	18	0.19
(3,1616)	1:79:A:VAL:HG23	1:105:A:VAL:HG12	18	0.19
(3,1616)	1:79:A:VAL:HG23	1:105:A:VAL:HG13	18	0.19
(3,1596)	1:83:A:LEU:HD21	1:125:A:THR:HB	13	0.19
(3,1596)	1:83:A:LEU:HD22	1:125:A:THR:HB	13	0.19
(3,1596)	1:83:A:LEU:HD23	1:125:A:THR:HB	13	0.19
(3,1474)	1:75:A:ILE:HB	1:146:A:HIS:HE1	5	0.19
(3,1465)	1:65:A:ILE:HG21	1:66:A:PRO:HG2	18	0.19
(3,1465)	1:65:A:ILE:HG21	1:66:A:PRO:HG3	18	0.19
(3,1465)	1:65:A:ILE:HG22	1:66:A:PRO:HG2	18	0.19
(3,1465)	1:65:A:ILE:HG22	1:66:A:PRO:HG3	18	0.19
(3,1465)	1:65:A:ILE:HG23	1:66:A:PRO:HG2	18	0.19
(3,1465)	1:65:A:ILE:HG23	1:66:A:PRO:HG3	18	0.19
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG21	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG22	3	0.19
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG23	3	0.19
(3,1337)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	12	0.19
(3,1337)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	12	0.19
(3,1337)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	12	0.19
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG21	4	0.19
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG22	4	0.19
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG23	4	0.19
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG21	13	0.19
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG22	13	0.19
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG23	13	0.19
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG21	13	0.19
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG22	13	0.19
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG23	13	0.19
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG21	13	0.19
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG22	13	0.19
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG23	13	0.19
(3,1304)	1:55:A:ILE:HG21	1:59:A:ILE:HB	15	0.19
(3,1304)	1:55:A:ILE:HG22	1:59:A:ILE:HB	15	0.19
(3,1304)	1:55:A:ILE:HG23	1:59:A:ILE:HB	15	0.19
(3,1210)	1:59:A:ILE:HG21	1:133:A:GLN:HG2	7	0.19
(3,1210)	1:59:A:ILE:HG21	1:133:A:GLN:HG3	7	0.19
(3,1210)	1:59:A:ILE:HG22	1:133:A:GLN:HG2	7	0.19
(3,1210)	1:59:A:ILE:HG22	1:133:A:GLN:HG3	7	0.19
(3,1210)	1:59:A:ILE:HG23	1:133:A:GLN:HG2	7	0.19
(3,1210)	1:59:A:ILE:HG23	1:133:A:GLN:HG3	7	0.19
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD11	1	0.19
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD12	1	0.19
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD13	1	0.19
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD11	1	0.19
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD12	1	0.19
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD13	1	0.19
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD11	1	0.19
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD12	1	0.19
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD13	1	0.19
(3,1151)	1:116:A:LEU:HG	1:117:A:SER:H	4	0.19
(3,1056)	1:122:A:GLU:HA	1:129:A:VAL:HG11	10	0.19
(3,1056)	1:122:A:GLU:HA	1:129:A:VAL:HG12	10	0.19
(3,1056)	1:122:A:GLU:HA	1:129:A:VAL:HG13	10	0.19
(3,988)	1:56:A:ALA:HA	1:58:A:THR:H	16	0.19
(3,967)	1:16:A:LEU:HD11	1:17:A:ASP:H	20	0.19
(3,967)	1:16:A:LEU:HD12	1:17:A:ASP:H	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,967)	1:16:A:LEU:HD13	1:17:A:ASP:H	20	0.19
(3,936)	1:11:A:LEU:H	1:13:A:ALA:H	4	0.19
(3,891)	1:121:A:VAL:H	1:123:A:ASP:H	11	0.19
(3,891)	1:121:A:VAL:H	1:123:A:ASP:H	20	0.19
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD21	5	0.19
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD22	5	0.19
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD23	5	0.19
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD21	8	0.19
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD22	8	0.19
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD23	8	0.19
(3,861)	1:99:A:ASP:H	1:106:A:ARG:H	7	0.19
(3,835)	1:82:A:LEU:H	1:95:A:PRO:HG2	7	0.19
(3,835)	1:82:A:LEU:H	1:95:A:PRO:HG3	7	0.19
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD11	10	0.19
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD12	10	0.19
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD13	10	0.19
(3,808)	1:61:A:ASP:H	1:65:A:ILE:H	6	0.19
(3,799)	1:24:A:GLU:H	1:27:A:GLN:HB2	7	0.19
(3,799)	1:24:A:GLU:H	1:27:A:GLN:HB3	7	0.19
(3,774)	1:35:A:GLU:HB3	1:36:A:VAL:H	19	0.19
(3,710)	1:7:A:GLY:H	1:115:A:THR:HB	9	0.19
(3,687)	1:19:A:GLY:H	1:21:A:LEU:H	3	0.19
(3,684)	1:48:A:GLY:H	1:49:A:LEU:HG	7	0.19
(3,682)	1:150:A:LEU:HD21	1:151:A:GLY:H	11	0.19
(3,682)	1:150:A:LEU:HD22	1:151:A:GLY:H	11	0.19
(3,682)	1:150:A:LEU:HD23	1:151:A:GLY:H	11	0.19
(3,681)	1:48:A:GLY:H	1:50:A:LEU:H	1	0.19
(3,681)	1:48:A:GLY:H	1:50:A:LEU:H	6	0.19
(3,660)	1:32:A:ARG:HA	1:36:A:VAL:H	9	0.19
(3,647)	1:126:A:GLY:H	1:127:A:LEU:HG	20	0.19
(3,643)	1:33:A:HIS:HA	1:37:A:GLY:H	14	0.19
(3,643)	1:33:A:HIS:HA	1:37:A:GLY:H	17	0.19
(3,632)	1:110:A:LEU:HG	1:111:A:ASN:H	16	0.19
(3,631)	1:110:A:LEU:HB3	1:111:A:ASN:H	2	0.19
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD21	4	0.19
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD22	4	0.19
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD23	4	0.19
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD21	18	0.19
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD22	18	0.19
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD23	18	0.19
(3,518)	1:94:A:ILE:H	1:94:A:ILE:HG12	14	0.19
(3,502)	1:81:A:ALA:H	1:82:A:LEU:HG	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,491)	1:56:A:ALA:HB1	1:58:A:THR:H	3	0.19
(3,491)	1:56:A:ALA:HB2	1:58:A:THR:H	3	0.19
(3,491)	1:56:A:ALA:HB3	1:58:A:THR:H	3	0.19
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD21	10	0.19
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD22	10	0.19
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD23	10	0.19
(3,408)	1:129:A:VAL:HG21	1:132:A:TYR:H	5	0.19
(3,408)	1:129:A:VAL:HG22	1:132:A:TYR:H	5	0.19
(3,408)	1:129:A:VAL:HG23	1:132:A:TYR:H	5	0.19
(3,383)	1:79:A:VAL:HB	1:80:A:LYS:H	15	0.19
(3,321)	1:101:A:GLU:HG2	1:102:A:ALA:H	15	0.19
(3,321)	1:101:A:GLU:HG3	1:102:A:ALA:H	15	0.19
(3,302)	1:33:A:HIS:H	1:43:A:VAL:HG21	15	0.19
(3,302)	1:33:A:HIS:H	1:43:A:VAL:HG22	15	0.19
(3,302)	1:33:A:HIS:H	1:43:A:VAL:HG23	15	0.19
(3,273)	1:150:A:LEU:H	1:150:A:LEU:HD11	10	0.19
(3,273)	1:150:A:LEU:H	1:150:A:LEU:HD12	10	0.19
(3,273)	1:150:A:LEU:H	1:150:A:LEU:HD13	10	0.19
(3,257)	1:59:A:ILE:HG21	1:65:A:ILE:H	9	0.19
(3,257)	1:59:A:ILE:HG22	1:65:A:ILE:H	9	0.19
(3,257)	1:59:A:ILE:HG23	1:65:A:ILE:H	9	0.19
(3,257)	1:59:A:ILE:HG21	1:65:A:ILE:H	11	0.19
(3,257)	1:59:A:ILE:HG22	1:65:A:ILE:H	11	0.19
(3,257)	1:59:A:ILE:HG23	1:65:A:ILE:H	11	0.19
(3,214)	1:109:A:PHE:H	1:134:A:THR:HB	1	0.19
(3,214)	1:109:A:PHE:H	1:134:A:THR:HB	2	0.19
(3,203)	1:127:A:LEU:H	1:127:A:LEU:HG	6	0.19
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD2	1	0.19
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD3	1	0.19
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD2	19	0.19
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD3	19	0.19
(3,155)	1:8:A:ASP:H	1:9:A:LYS:HB2	20	0.19
(3,155)	1:8:A:ASP:H	1:9:A:LYS:HB3	20	0.19
(3,153)	1:6:A:ILE:HA	1:8:A:ASP:H	12	0.19
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD21	16	0.19
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD22	16	0.19
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD23	16	0.19
(3,92)	1:121:A:VAL:HG21	1:122:A:GLU:H	7	0.19
(3,92)	1:121:A:VAL:HG22	1:122:A:GLU:H	7	0.19
(3,92)	1:121:A:VAL:HG23	1:122:A:GLU:H	7	0.19
(3,92)	1:121:A:VAL:HG21	1:122:A:GLU:H	19	0.19
(3,92)	1:121:A:VAL:HG22	1:122:A:GLU:H	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,92)	1:121:A:VAL:HG23	1:122:A:GLU:H	19	0.19
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD11	14	0.19
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD12	14	0.19
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD13	14	0.19
(3,74)	1:5:A:THR:HG21	1:40:A:LEU:H	8	0.19
(3,74)	1:5:A:THR:HG22	1:40:A:LEU:H	8	0.19
(3,74)	1:5:A:THR:HG23	1:40:A:LEU:H	8	0.19
(3,72)	1:45:A:VAL:HG21	1:46:A:ASP:H	8	0.19
(3,72)	1:45:A:VAL:HG22	1:46:A:ASP:H	8	0.19
(3,72)	1:45:A:VAL:HG23	1:46:A:ASP:H	8	0.19
(3,45)	1:3:A:VAL:HB	1:4:A:LEU:H	4	0.19
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG21	9	0.19
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG22	9	0.19
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG23	9	0.19
(4,18)	1:94:A:ILE:H	1:108:A:ALA:O	12	0.18
(4,1)	1:103:A:GLY:O	1:128:A:VAL:N	1	0.18
(3,2158)	1:122:A:GLU:HB2	1:129:A:VAL:H	19	0.18
(3,2158)	1:122:A:GLU:HB3	1:129:A:VAL:H	19	0.18
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG2	2	0.18
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG3	2	0.18
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB2	18	0.18
(3,2131)	1:116:A:LEU:HD21	1:117:A:SER:HB3	18	0.18
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB2	18	0.18
(3,2131)	1:116:A:LEU:HD22	1:117:A:SER:HB3	18	0.18
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB2	18	0.18
(3,2131)	1:116:A:LEU:HD23	1:117:A:SER:HB3	18	0.18
(3,2104)	1:109:A:PHE:H	1:132:A:TYR:HB2	19	0.18
(3,2104)	1:109:A:PHE:H	1:132:A:TYR:HB3	19	0.18
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB2	3	0.18
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB3	3	0.18
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB2	17	0.18
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB3	17	0.18
(3,2034)	1:85:A:ALA:H	1:87:A:LYS:HB2	15	0.18
(3,2034)	1:85:A:ALA:H	1:87:A:LYS:HB3	15	0.18
(3,2027)	1:84:A:PRO:HB2	1:87:A:LYS:H	14	0.18
(3,2027)	1:84:A:PRO:HB3	1:87:A:LYS:H	14	0.18
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB2	11	0.18
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB3	11	0.18
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB2	20	0.18
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB3	20	0.18
(3,1990)	1:70:A:LEU:HB2	1:134:A:THR:HA	9	0.18
(3,1990)	1:70:A:LEU:HB3	1:134:A:THR:HA	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1906)	1:50:A:LEU:HB2	1:55:A:ILE:HA	4	0.18
(3,1906)	1:50:A:LEU:HB3	1:55:A:ILE:HA	4	0.18
(3,1846)	1:36:A:VAL:HG21	1:37:A:GLY:HA2	16	0.18
(3,1846)	1:36:A:VAL:HG21	1:37:A:GLY:HA3	16	0.18
(3,1846)	1:36:A:VAL:HG22	1:37:A:GLY:HA2	16	0.18
(3,1846)	1:36:A:VAL:HG22	1:37:A:GLY:HA3	16	0.18
(3,1846)	1:36:A:VAL:HG23	1:37:A:GLY:HA2	16	0.18
(3,1846)	1:36:A:VAL:HG23	1:37:A:GLY:HA3	16	0.18
(3,1803)	1:29:A:ALA:H	1:30:A:LEU:HB2	4	0.18
(3,1803)	1:29:A:ALA:H	1:30:A:LEU:HB3	4	0.18
(3,1803)	1:29:A:ALA:H	1:30:A:LEU:HB2	7	0.18
(3,1803)	1:29:A:ALA:H	1:30:A:LEU:HB3	7	0.18
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB2	9	0.18
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB3	9	0.18
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB2	9	0.18
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB3	9	0.18
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB2	9	0.18
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB3	9	0.18
(3,1784)	1:21:A:LEU:HB2	1:25:A:GLU:H	4	0.18
(3,1784)	1:21:A:LEU:HB3	1:25:A:GLU:H	4	0.18
(3,1783)	1:21:A:LEU:HB2	1:22:A:THR:HA	16	0.18
(3,1783)	1:21:A:LEU:HB3	1:22:A:THR:HA	16	0.18
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD2	11	0.18
(3,1773)	1:18:A:ALA:H	1:62:A:ARG:HD3	11	0.18
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD21	16	0.18
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD22	16	0.18
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD23	16	0.18
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD21	16	0.18
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD22	16	0.18
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD23	16	0.18
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG21	10	0.18
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG22	10	0.18
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG23	10	0.18
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG21	10	0.18
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG22	10	0.18
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG23	10	0.18
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG21	12	0.18
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG22	12	0.18
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG23	12	0.18
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG21	12	0.18
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG22	12	0.18
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG23	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG21	11	0.18
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG22	11	0.18
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG23	11	0.18
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG21	19	0.18
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG22	19	0.18
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG23	19	0.18
(3,1658)	1:93:A:ALA:HB1	1:121:A:VAL:HG11	13	0.18
(3,1658)	1:93:A:ALA:HB1	1:121:A:VAL:HG12	13	0.18
(3,1658)	1:93:A:ALA:HB1	1:121:A:VAL:HG13	13	0.18
(3,1658)	1:93:A:ALA:HB2	1:121:A:VAL:HG11	13	0.18
(3,1658)	1:93:A:ALA:HB2	1:121:A:VAL:HG12	13	0.18
(3,1658)	1:93:A:ALA:HB2	1:121:A:VAL:HG13	13	0.18
(3,1658)	1:93:A:ALA:HB3	1:121:A:VAL:HG11	13	0.18
(3,1658)	1:93:A:ALA:HB3	1:121:A:VAL:HG12	13	0.18
(3,1658)	1:93:A:ALA:HB3	1:121:A:VAL:HG13	13	0.18
(3,1520)	1:40:A:LEU:HD11	1:43:A:VAL:HB	13	0.18
(3,1520)	1:40:A:LEU:HD12	1:43:A:VAL:HB	13	0.18
(3,1520)	1:40:A:LEU:HD13	1:43:A:VAL:HB	13	0.18
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG21	7	0.18
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG22	7	0.18
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG23	7	0.18
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG21	7	0.18
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG22	7	0.18
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG23	7	0.18
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG21	7	0.18
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG22	7	0.18
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG23	7	0.18
(3,1505)	1:15:A:LEU:HA	1:21:A:LEU:HD11	10	0.18
(3,1505)	1:15:A:LEU:HA	1:21:A:LEU:HD12	10	0.18
(3,1505)	1:15:A:LEU:HA	1:21:A:LEU:HD13	10	0.18
(3,1499)	1:150:A:LEU:HA	1:150:A:LEU:HD11	18	0.18
(3,1499)	1:150:A:LEU:HA	1:150:A:LEU:HD12	18	0.18
(3,1499)	1:150:A:LEU:HA	1:150:A:LEU:HD13	18	0.18
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD21	18	0.18
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD22	18	0.18
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD23	18	0.18
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG21	11	0.18
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG22	11	0.18
(3,1424)	1:121:A:VAL:HA	1:125:A:THR:HG23	11	0.18
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG21	18	0.18
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG22	18	0.18
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG23	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG21	11	0.18
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG22	11	0.18
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG23	11	0.18
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG21	12	0.18
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG22	12	0.18
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG23	12	0.18
(3,1384)	1:104:A:VAL:HA	1:128:A:VAL:HB	2	0.18
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG21	9	0.18
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG22	9	0.18
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG23	9	0.18
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG21	11	0.18
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG22	11	0.18
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG23	11	0.18
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG21	11	0.18
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG22	11	0.18
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG23	11	0.18
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG21	11	0.18
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG22	11	0.18
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG23	11	0.18
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG21	18	0.18
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG22	18	0.18
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG23	18	0.18
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG21	18	0.18
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG22	18	0.18
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG23	18	0.18
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG21	18	0.18
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG22	18	0.18
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG23	18	0.18
(3,1323)	1:6:A:ILE:HB	1:116:A:LEU:HB3	7	0.18
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG21	3	0.18
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG22	3	0.18
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG23	3	0.18
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG21	3	0.18
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG22	3	0.18
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG23	3	0.18
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG21	3	0.18
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG22	3	0.18
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG23	3	0.18
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG21	17	0.18
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG22	17	0.18
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG23	17	0.18
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG21	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG22	17	0.18
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG23	17	0.18
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG21	17	0.18
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG22	17	0.18
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG23	17	0.18
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG21	20	0.18
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG22	20	0.18
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG23	20	0.18
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG21	20	0.18
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG22	20	0.18
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG23	20	0.18
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG21	20	0.18
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG22	20	0.18
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG23	20	0.18
(3,1277)	1:14:A:ALA:HB1	1:62:A:ARG:HD2	17	0.18
(3,1277)	1:14:A:ALA:HB2	1:62:A:ARG:HD2	17	0.18
(3,1277)	1:14:A:ALA:HB3	1:62:A:ARG:HD2	17	0.18
(3,1277)	1:14:A:ALA:HB1	1:62:A:ARG:HD3	17	0.18
(3,1277)	1:14:A:ALA:HB2	1:62:A:ARG:HD3	17	0.18
(3,1277)	1:14:A:ALA:HB3	1:62:A:ARG:HD3	17	0.18
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD11	7	0.18
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD12	7	0.18
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD13	7	0.18
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD11	12	0.18
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD12	12	0.18
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD13	12	0.18
(3,1156)	1:11:A:LEU:HD11	1:12:A:GLY:HA3	16	0.18
(3,1156)	1:11:A:LEU:HD12	1:12:A:GLY:HA3	16	0.18
(3,1156)	1:11:A:LEU:HD13	1:12:A:GLY:HA3	16	0.18
(3,1126)	1:24:A:GLU:HA	1:24:A:GLU:HG2	16	0.18
(3,1126)	1:24:A:GLU:HA	1:24:A:GLU:HG3	16	0.18
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD11	16	0.18
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD12	16	0.18
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD13	16	0.18
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD21	7	0.18
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD22	7	0.18
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD23	7	0.18
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD21	7	0.18
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD22	7	0.18
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD23	7	0.18
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD21	7	0.18
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD22	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD23	7	0.18
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD21	8	0.18
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD22	8	0.18
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD23	8	0.18
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD21	8	0.18
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD22	8	0.18
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD23	8	0.18
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD21	8	0.18
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD22	8	0.18
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD23	8	0.18
(3,1042)	1:18:A:ALA:HB1	1:20:A:LEU:HD21	3	0.18
(3,1042)	1:18:A:ALA:HB1	1:20:A:LEU:HD22	3	0.18
(3,1042)	1:18:A:ALA:HB1	1:20:A:LEU:HD23	3	0.18
(3,1042)	1:18:A:ALA:HB2	1:20:A:LEU:HD21	3	0.18
(3,1042)	1:18:A:ALA:HB2	1:20:A:LEU:HD22	3	0.18
(3,1042)	1:18:A:ALA:HB2	1:20:A:LEU:HD23	3	0.18
(3,1042)	1:18:A:ALA:HB3	1:20:A:LEU:HD21	3	0.18
(3,1042)	1:18:A:ALA:HB3	1:20:A:LEU:HD22	3	0.18
(3,1042)	1:18:A:ALA:HB3	1:20:A:LEU:HD23	3	0.18
(3,1042)	1:18:A:ALA:HB1	1:20:A:LEU:HD21	9	0.18
(3,1042)	1:18:A:ALA:HB1	1:20:A:LEU:HD22	9	0.18
(3,1042)	1:18:A:ALA:HB1	1:20:A:LEU:HD23	9	0.18
(3,1042)	1:18:A:ALA:HB2	1:20:A:LEU:HD21	9	0.18
(3,1042)	1:18:A:ALA:HB2	1:20:A:LEU:HD22	9	0.18
(3,1042)	1:18:A:ALA:HB2	1:20:A:LEU:HD23	9	0.18
(3,1042)	1:18:A:ALA:HB3	1:20:A:LEU:HD21	9	0.18
(3,1042)	1:18:A:ALA:HB3	1:20:A:LEU:HD22	9	0.18
(3,1042)	1:18:A:ALA:HB3	1:20:A:LEU:HD23	9	0.18
(3,995)	1:96:A:PHE:H	1:107:A:VAL:H	9	0.18
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG21	19	0.18
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG22	19	0.18
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG23	19	0.18
(3,936)	1:11:A:LEU:H	1:13:A:ALA:H	19	0.18
(3,901)	1:104:A:VAL:HG11	1:128:A:VAL:H	2	0.18
(3,901)	1:104:A:VAL:HG12	1:128:A:VAL:H	2	0.18
(3,901)	1:104:A:VAL:HG13	1:128:A:VAL:H	2	0.18
(3,901)	1:104:A:VAL:HG21	1:128:A:VAL:H	2	0.18
(3,901)	1:104:A:VAL:HG22	1:128:A:VAL:H	2	0.18
(3,901)	1:104:A:VAL:HG23	1:128:A:VAL:H	2	0.18
(3,901)	1:104:A:VAL:HG11	1:128:A:VAL:H	11	0.18
(3,901)	1:104:A:VAL:HG12	1:128:A:VAL:H	11	0.18
(3,901)	1:104:A:VAL:HG13	1:128:A:VAL:H	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,901)	1:104:A:VAL:HG21	1:128:A:VAL:H	11	0.18
(3,901)	1:104:A:VAL:HG22	1:128:A:VAL:H	11	0.18
(3,901)	1:104:A:VAL:HG23	1:128:A:VAL:H	11	0.18
(3,891)	1:121:A:VAL:H	1:123:A:ASP:H	15	0.18
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD21	20	0.18
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD22	20	0.18
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD23	20	0.18
(3,872)	1:95:A:PRO:HA	1:107:A:VAL:H	2	0.18
(3,861)	1:99:A:ASP:H	1:106:A:ARG:H	5	0.18
(3,808)	1:61:A:ASP:H	1:65:A:ILE:H	8	0.18
(3,808)	1:61:A:ASP:H	1:65:A:ILE:H	19	0.18
(3,789)	1:45:A:VAL:H	1:48:A:GLY:H	14	0.18
(3,759)	1:27:A:GLN:H	1:29:A:ALA:H	16	0.18
(3,752)	1:23:A:ASP:HB2	1:27:A:GLN:H	2	0.18
(3,752)	1:23:A:ASP:HB3	1:27:A:GLN:H	2	0.18
(3,711)	1:6:A:ILE:HG21	1:8:A:ASP:H	10	0.18
(3,711)	1:6:A:ILE:HG22	1:8:A:ASP:H	10	0.18
(3,711)	1:6:A:ILE:HG23	1:8:A:ASP:H	10	0.18
(3,711)	1:6:A:ILE:HG21	1:8:A:ASP:H	14	0.18
(3,711)	1:6:A:ILE:HG22	1:8:A:ASP:H	14	0.18
(3,711)	1:6:A:ILE:HG23	1:8:A:ASP:H	14	0.18
(3,702)	1:124:A:LEU:HB3	1:125:A:THR:H	18	0.18
(3,699)	1:124:A:LEU:HD21	1:125:A:THR:H	13	0.18
(3,699)	1:124:A:LEU:HD22	1:125:A:THR:H	13	0.18
(3,699)	1:124:A:LEU:HD23	1:125:A:THR:H	13	0.18
(3,699)	1:124:A:LEU:HD21	1:125:A:THR:H	14	0.18
(3,699)	1:124:A:LEU:HD22	1:125:A:THR:H	14	0.18
(3,699)	1:124:A:LEU:HD23	1:125:A:THR:H	14	0.18
(3,684)	1:48:A:GLY:H	1:49:A:LEU:HG	17	0.18
(3,682)	1:150:A:LEU:HD21	1:151:A:GLY:H	19	0.18
(3,682)	1:150:A:LEU:HD22	1:151:A:GLY:H	19	0.18
(3,682)	1:150:A:LEU:HD23	1:151:A:GLY:H	19	0.18
(3,666)	1:59:A:ILE:HB	1:133:A:GLN:HE21	12	0.18
(3,647)	1:126:A:GLY:H	1:127:A:LEU:HG	18	0.18
(3,644)	1:36:A:VAL:HG11	1:37:A:GLY:H	7	0.18
(3,644)	1:36:A:VAL:HG12	1:37:A:GLY:H	7	0.18
(3,644)	1:36:A:VAL:HG13	1:37:A:GLY:H	7	0.18
(3,643)	1:33:A:HIS:HA	1:37:A:GLY:H	10	0.18
(3,631)	1:110:A:LEU:HB3	1:111:A:ASN:H	11	0.18
(3,628)	1:109:A:PHE:HB3	1:111:A:ASN:H	8	0.18
(3,628)	1:109:A:PHE:HB3	1:111:A:ASN:H	19	0.18
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD21	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD22	20	0.18
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD23	20	0.18
(3,553)	1:77:A:PRO:HB3	1:78:A:LYS:H	14	0.18
(3,548)	1:78:A:LYS:H	1:78:A:LYS:HG2	14	0.18
(3,548)	1:78:A:LYS:H	1:78:A:LYS:HG3	14	0.18
(3,536)	1:39:A:SER:HA	1:42:A:GLU:H	5	0.18
(3,493)	1:20:A:LEU:HD11	1:58:A:THR:H	10	0.18
(3,493)	1:20:A:LEU:HD12	1:58:A:THR:H	10	0.18
(3,493)	1:20:A:LEU:HD13	1:58:A:THR:H	10	0.18
(3,491)	1:56:A:ALA:HB1	1:58:A:THR:H	1	0.18
(3,491)	1:56:A:ALA:HB2	1:58:A:THR:H	1	0.18
(3,491)	1:56:A:ALA:HB3	1:58:A:THR:H	1	0.18
(3,491)	1:56:A:ALA:HB1	1:58:A:THR:H	9	0.18
(3,491)	1:56:A:ALA:HB2	1:58:A:THR:H	9	0.18
(3,491)	1:56:A:ALA:HB3	1:58:A:THR:H	9	0.18
(3,413)	1:107:A:VAL:HB	1:132:A:TYR:H	19	0.18
(3,369)	1:49:A:LEU:H	1:49:A:LEU:HD11	9	0.18
(3,369)	1:49:A:LEU:H	1:49:A:LEU:HD12	9	0.18
(3,369)	1:49:A:LEU:H	1:49:A:LEU:HD13	9	0.18
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG11	5	0.18
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG12	5	0.18
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG13	5	0.18
(3,363)	1:120:A:GLU:HB2	1:121:A:VAL:H	13	0.18
(3,363)	1:120:A:GLU:HB2	1:121:A:VAL:H	19	0.18
(3,355)	1:27:A:GLN:HG2	1:28:A:ARG:H	16	0.18
(3,355)	1:27:A:GLN:HG3	1:28:A:ARG:H	16	0.18
(3,346)	1:58:A:THR:HG21	1:61:A:ASP:H	2	0.18
(3,346)	1:58:A:THR:HG22	1:61:A:ASP:H	2	0.18
(3,346)	1:58:A:THR:HG23	1:61:A:ASP:H	2	0.18
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD11	2	0.18
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD12	2	0.18
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD13	2	0.18
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD11	19	0.18
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD12	19	0.18
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD13	19	0.18
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG21	15	0.18
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG22	15	0.18
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG23	15	0.18
(3,220)	1:30:A:LEU:HG	1:31:A:GLU:H	8	0.18
(3,214)	1:109:A:PHE:H	1:134:A:THR:HB	20	0.18
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD21	4	0.18
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD22	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD23	4	0.18
(3,203)	1:127:A:LEU:H	1:127:A:LEU:HG	20	0.18
(3,196)	1:55:A:ILE:HD11	1:56:A:ALA:H	5	0.18
(3,196)	1:55:A:ILE:HD12	1:56:A:ALA:H	5	0.18
(3,196)	1:55:A:ILE:HD13	1:56:A:ALA:H	5	0.18
(3,143)	1:55:A:ILE:HG21	1:59:A:ILE:H	15	0.18
(3,143)	1:55:A:ILE:HG22	1:59:A:ILE:H	15	0.18
(3,143)	1:55:A:ILE:HG23	1:59:A:ILE:H	15	0.18
(3,141)	1:56:A:ALA:HB1	1:59:A:ILE:H	18	0.18
(3,141)	1:56:A:ALA:HB2	1:59:A:ILE:H	18	0.18
(3,141)	1:56:A:ALA:HB3	1:59:A:ILE:H	18	0.18
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD11	7	0.18
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD12	7	0.18
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD13	7	0.18
(3,135)	1:116:A:LEU:HG	1:118:A:LEU:H	17	0.18
(3,115)	1:67:A:LEU:HG	1:68:A:VAL:H	6	0.18
(3,27)	1:129:A:VAL:H	1:129:A:VAL:HB	1	0.18
(3,27)	1:129:A:VAL:H	1:129:A:VAL:HB	17	0.18
(4,20)	1:94:A:ILE:O	1:108:A:ALA:H	8	0.17
(4,15)	1:109:A:PHE:N	1:132:A:TYR:O	1	0.17
(4,2)	1:103:A:GLY:O	1:128:A:VAL:H	1	0.17
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG2	9	0.17
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG3	9	0.17
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG21	10	0.17
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG22	10	0.17
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG23	10	0.17
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG21	10	0.17
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG22	10	0.17
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG23	10	0.17
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG21	16	0.17
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG22	16	0.17
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG23	16	0.17
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG21	16	0.17
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG22	16	0.17
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG23	16	0.17
(3,2073)	1:96:A:PHE:HB2	1:108:A:ALA:H	1	0.17
(3,2073)	1:96:A:PHE:HB3	1:108:A:ALA:H	1	0.17
(3,2073)	1:96:A:PHE:HB2	1:108:A:ALA:H	6	0.17
(3,2073)	1:96:A:PHE:HB3	1:108:A:ALA:H	6	0.17
(3,2035)	1:85:A:ALA:HB1	1:147:A:TYR:HB2	8	0.17
(3,2035)	1:85:A:ALA:HB1	1:147:A:TYR:HB3	8	0.17
(3,2035)	1:85:A:ALA:HB2	1:147:A:TYR:HB2	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2035)	1:85:A:ALA:HB2	1:147:A:TYR:HB3	8	0.17
(3,2035)	1:85:A:ALA:HB3	1:147:A:TYR:HB2	8	0.17
(3,2035)	1:85:A:ALA:HB3	1:147:A:TYR:HB3	8	0.17
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB2	13	0.17
(3,2014)	1:80:A:LYS:H	1:82:A:LEU:HB3	13	0.17
(3,2007)	1:77:A:PRO:HB2	1:78:A:LYS:H	14	0.17
(3,2007)	1:77:A:PRO:HB3	1:78:A:LYS:H	14	0.17
(3,1997)	1:73:A:VAL:HG21	1:96:A:PHE:HB2	6	0.17
(3,1997)	1:73:A:VAL:HG21	1:96:A:PHE:HB3	6	0.17
(3,1997)	1:73:A:VAL:HG22	1:96:A:PHE:HB2	6	0.17
(3,1997)	1:73:A:VAL:HG22	1:96:A:PHE:HB3	6	0.17
(3,1997)	1:73:A:VAL:HG23	1:96:A:PHE:HB2	6	0.17
(3,1997)	1:73:A:VAL:HG23	1:96:A:PHE:HB3	6	0.17
(3,1960)	1:62:A:ARG:HA	1:62:A:ARG:HD2	15	0.17
(3,1960)	1:62:A:ARG:HA	1:62:A:ARG:HD3	15	0.17
(3,1928)	1:57:A:GLN:HB2	1:58:A:THR:HG21	5	0.17
(3,1928)	1:57:A:GLN:HB2	1:58:A:THR:HG22	5	0.17
(3,1928)	1:57:A:GLN:HB2	1:58:A:THR:HG23	5	0.17
(3,1928)	1:57:A:GLN:HB3	1:58:A:THR:HG21	5	0.17
(3,1928)	1:57:A:GLN:HB3	1:58:A:THR:HG22	5	0.17
(3,1928)	1:57:A:GLN:HB3	1:58:A:THR:HG23	5	0.17
(3,1907)	1:50:A:LEU:HB2	1:55:A:ILE:HB	14	0.17
(3,1907)	1:50:A:LEU:HB3	1:55:A:ILE:HB	14	0.17
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD11	16	0.17
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD12	16	0.17
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD13	16	0.17
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD11	16	0.17
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD12	16	0.17
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD13	16	0.17
(3,1851)	1:39:A:SER:H	1:111:A:ASN:HD21	2	0.17
(3,1851)	1:39:A:SER:H	1:111:A:ASN:HD22	2	0.17
(3,1826)	1:32:A:ARG:HD2	1:33:A:HIS:H	3	0.17
(3,1826)	1:32:A:ARG:HD3	1:33:A:HIS:H	3	0.17
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG2	19	0.17
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG3	19	0.17
(3,1783)	1:21:A:LEU:HB2	1:22:A:THR:HA	19	0.17
(3,1783)	1:21:A:LEU:HB3	1:22:A:THR:HA	19	0.17
(3,1689)	1:29:A:ALA:HB1	1:44:A:LEU:HG	9	0.17
(3,1689)	1:29:A:ALA:HB2	1:44:A:LEU:HG	9	0.17
(3,1689)	1:29:A:ALA:HB3	1:44:A:LEU:HG	9	0.17
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD21	20	0.17
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD22	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD23	20	0.17
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD21	20	0.17
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD22	20	0.17
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD23	20	0.17
(3,1605)	1:98:A:LEU:HA	1:98:A:LEU:HD11	13	0.17
(3,1605)	1:98:A:LEU:HA	1:98:A:LEU:HD12	13	0.17
(3,1605)	1:98:A:LEU:HA	1:98:A:LEU:HD13	13	0.17
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD11	3	0.17
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD12	3	0.17
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD13	3	0.17
(3,1533)	1:29:A:ALA:HB1	1:44:A:LEU:HD11	1	0.17
(3,1533)	1:29:A:ALA:HB1	1:44:A:LEU:HD12	1	0.17
(3,1533)	1:29:A:ALA:HB1	1:44:A:LEU:HD13	1	0.17
(3,1533)	1:29:A:ALA:HB2	1:44:A:LEU:HD11	1	0.17
(3,1533)	1:29:A:ALA:HB2	1:44:A:LEU:HD12	1	0.17
(3,1533)	1:29:A:ALA:HB2	1:44:A:LEU:HD13	1	0.17
(3,1533)	1:29:A:ALA:HB3	1:44:A:LEU:HD11	1	0.17
(3,1533)	1:29:A:ALA:HB3	1:44:A:LEU:HD12	1	0.17
(3,1533)	1:29:A:ALA:HB3	1:44:A:LEU:HD13	1	0.17
(3,1520)	1:40:A:LEU:HD11	1:43:A:VAL:HB	10	0.17
(3,1520)	1:40:A:LEU:HD12	1:43:A:VAL:HB	10	0.17
(3,1520)	1:40:A:LEU:HD13	1:43:A:VAL:HB	10	0.17
(3,1499)	1:150:A:LEU:HA	1:150:A:LEU:HD11	4	0.17
(3,1499)	1:150:A:LEU:HA	1:150:A:LEU:HD12	4	0.17
(3,1499)	1:150:A:LEU:HA	1:150:A:LEU:HD13	4	0.17
(3,1493)	1:107:A:VAL:HG11	1:118:A:LEU:HG	18	0.17
(3,1493)	1:107:A:VAL:HG12	1:118:A:LEU:HG	18	0.17
(3,1493)	1:107:A:VAL:HG13	1:118:A:LEU:HG	18	0.17
(3,1454)	1:67:A:LEU:HD11	1:133:A:GLN:HG2	9	0.17
(3,1454)	1:67:A:LEU:HD11	1:133:A:GLN:HG3	9	0.17
(3,1454)	1:67:A:LEU:HD12	1:133:A:GLN:HG2	9	0.17
(3,1454)	1:67:A:LEU:HD12	1:133:A:GLN:HG3	9	0.17
(3,1454)	1:67:A:LEU:HD13	1:133:A:GLN:HG2	9	0.17
(3,1454)	1:67:A:LEU:HD13	1:133:A:GLN:HG3	9	0.17
(3,1454)	1:67:A:LEU:HD11	1:133:A:GLN:HG2	19	0.17
(3,1454)	1:67:A:LEU:HD11	1:133:A:GLN:HG3	19	0.17
(3,1454)	1:67:A:LEU:HD12	1:133:A:GLN:HG2	19	0.17
(3,1454)	1:67:A:LEU:HD12	1:133:A:GLN:HG3	19	0.17
(3,1454)	1:67:A:LEU:HD13	1:133:A:GLN:HG2	19	0.17
(3,1454)	1:67:A:LEU:HD13	1:133:A:GLN:HG3	19	0.17
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG11	18	0.17
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG12	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1428)	1:125:A:THR:HG21	1:129:A:VAL:HG13	18	0.17
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG11	18	0.17
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG12	18	0.17
(3,1428)	1:125:A:THR:HG22	1:129:A:VAL:HG13	18	0.17
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG11	18	0.17
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG12	18	0.17
(3,1428)	1:125:A:THR:HG23	1:129:A:VAL:HG13	18	0.17
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG21	5	0.17
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG22	5	0.17
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG23	5	0.17
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG21	10	0.17
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG22	10	0.17
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG23	10	0.17
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB1	16	0.17
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB2	16	0.17
(3,1407)	1:68:A:VAL:HG11	1:108:A:ALA:HB3	16	0.17
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB1	16	0.17
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB2	16	0.17
(3,1407)	1:68:A:VAL:HG12	1:108:A:ALA:HB3	16	0.17
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB1	16	0.17
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB2	16	0.17
(3,1407)	1:68:A:VAL:HG13	1:108:A:ALA:HB3	16	0.17
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG21	16	0.17
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG22	16	0.17
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG23	16	0.17
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD21	15	0.17
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD22	15	0.17
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD23	15	0.17
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG21	9	0.17
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG22	9	0.17
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG23	9	0.17
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG21	9	0.17
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG22	9	0.17
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG23	9	0.17
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG21	9	0.17
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG22	9	0.17
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG23	9	0.17
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG21	4	0.17
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG22	4	0.17
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG23	4	0.17
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG21	4	0.17
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG22	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG23	4	0.17
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG21	4	0.17
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG22	4	0.17
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG23	4	0.17
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG21	14	0.17
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG22	14	0.17
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG23	14	0.17
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG21	14	0.17
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG22	14	0.17
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG23	14	0.17
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG21	14	0.17
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG22	14	0.17
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG23	14	0.17
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG21	18	0.17
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG22	18	0.17
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG23	18	0.17
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG21	18	0.17
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG22	18	0.17
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG23	18	0.17
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG21	18	0.17
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG22	18	0.17
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG23	18	0.17
(3,1304)	1:55:A:ILE:HG21	1:59:A:ILE:HB	7	0.17
(3,1304)	1:55:A:ILE:HG22	1:59:A:ILE:HB	7	0.17
(3,1304)	1:55:A:ILE:HG23	1:59:A:ILE:HB	7	0.17
(3,1302)	1:52:A:GLU:HA	1:55:A:ILE:HG21	19	0.17
(3,1302)	1:52:A:GLU:HA	1:55:A:ILE:HG22	19	0.17
(3,1302)	1:52:A:GLU:HA	1:55:A:ILE:HG23	19	0.17
(3,1264)	1:2:A:SER:HB2	1:3:A:VAL:HG21	2	0.17
(3,1264)	1:2:A:SER:HB2	1:3:A:VAL:HG22	2	0.17
(3,1264)	1:2:A:SER:HB2	1:3:A:VAL:HG23	2	0.17
(3,1264)	1:2:A:SER:HB3	1:3:A:VAL:HG21	2	0.17
(3,1264)	1:2:A:SER:HB3	1:3:A:VAL:HG22	2	0.17
(3,1264)	1:2:A:SER:HB3	1:3:A:VAL:HG23	2	0.17
(3,1252)	1:150:A:LEU:HD11	1:153:A:PRO:HD2	9	0.17
(3,1252)	1:150:A:LEU:HD12	1:153:A:PRO:HD2	9	0.17
(3,1252)	1:150:A:LEU:HD13	1:153:A:PRO:HD2	9	0.17
(3,1252)	1:150:A:LEU:HD11	1:153:A:PRO:HD3	9	0.17
(3,1252)	1:150:A:LEU:HD12	1:153:A:PRO:HD3	9	0.17
(3,1252)	1:150:A:LEU:HD13	1:153:A:PRO:HD3	9	0.17
(3,1246)	1:110:A:LEU:HD11	1:136:A:LYS:HA	16	0.17
(3,1246)	1:110:A:LEU:HD12	1:136:A:LYS:HA	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1246)	1:110:A:LEU:HD13	1:136:A:LYS:HA	16	0.17
(3,1235)	1:83:A:LEU:HD21	1:121:A:VAL:HA	5	0.17
(3,1235)	1:83:A:LEU:HD22	1:121:A:VAL:HA	5	0.17
(3,1235)	1:83:A:LEU:HD23	1:121:A:VAL:HA	5	0.17
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD11	11	0.17
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD12	11	0.17
(3,1160)	1:13:A:ALA:HB1	1:16:A:LEU:HD13	11	0.17
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD11	11	0.17
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD12	11	0.17
(3,1160)	1:13:A:ALA:HB2	1:16:A:LEU:HD13	11	0.17
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD11	11	0.17
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD12	11	0.17
(3,1160)	1:13:A:ALA:HB3	1:16:A:LEU:HD13	11	0.17
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD11	7	0.17
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD12	7	0.17
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD13	7	0.17
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD21	1	0.17
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD22	1	0.17
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD23	1	0.17
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD21	1	0.17
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD22	1	0.17
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD23	1	0.17
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD21	1	0.17
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD22	1	0.17
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD23	1	0.17
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD21	16	0.17
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD22	16	0.17
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD23	16	0.17
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD21	16	0.17
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD22	16	0.17
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD23	16	0.17
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD21	16	0.17
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD22	16	0.17
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD23	16	0.17
(3,1005)	1:106:A:ARG:HA	1:132:A:TYR:H	3	0.17
(3,988)	1:56:A:ALA:HA	1:58:A:THR:H	8	0.17
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG21	18	0.17
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG22	18	0.17
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG23	18	0.17
(3,986)	1:43:A:VAL:HB	1:46:A:ASP:H	18	0.17
(3,981)	1:33:A:HIS:HA	1:38:A:GLY:H	20	0.17
(3,901)	1:104:A:VAL:HG11	1:128:A:VAL:H	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,901)	1:104:A:VAL:HG12	1:128:A:VAL:H	6	0.17
(3,901)	1:104:A:VAL:HG13	1:128:A:VAL:H	6	0.17
(3,901)	1:104:A:VAL:HG21	1:128:A:VAL:H	6	0.17
(3,901)	1:104:A:VAL:HG22	1:128:A:VAL:H	6	0.17
(3,901)	1:104:A:VAL:HG23	1:128:A:VAL:H	6	0.17
(3,901)	1:104:A:VAL:HG11	1:128:A:VAL:H	10	0.17
(3,901)	1:104:A:VAL:HG12	1:128:A:VAL:H	10	0.17
(3,901)	1:104:A:VAL:HG13	1:128:A:VAL:H	10	0.17
(3,901)	1:104:A:VAL:HG21	1:128:A:VAL:H	10	0.17
(3,901)	1:104:A:VAL:HG22	1:128:A:VAL:H	10	0.17
(3,901)	1:104:A:VAL:HG23	1:128:A:VAL:H	10	0.17
(3,901)	1:104:A:VAL:HG11	1:128:A:VAL:H	15	0.17
(3,901)	1:104:A:VAL:HG12	1:128:A:VAL:H	15	0.17
(3,901)	1:104:A:VAL:HG13	1:128:A:VAL:H	15	0.17
(3,901)	1:104:A:VAL:HG21	1:128:A:VAL:H	15	0.17
(3,901)	1:104:A:VAL:HG22	1:128:A:VAL:H	15	0.17
(3,901)	1:104:A:VAL:HG23	1:128:A:VAL:H	15	0.17
(3,897)	1:105:A:VAL:HG21	1:125:A:THR:H	13	0.17
(3,897)	1:105:A:VAL:HG22	1:125:A:THR:H	13	0.17
(3,897)	1:105:A:VAL:HG23	1:125:A:THR:H	13	0.17
(3,883)	1:6:A:ILE:HG21	1:116:A:LEU:H	17	0.17
(3,883)	1:6:A:ILE:HG22	1:116:A:LEU:H	17	0.17
(3,883)	1:6:A:ILE:HG23	1:116:A:LEU:H	17	0.17
(3,861)	1:99:A:ASP:H	1:106:A:ARG:H	14	0.17
(3,853)	1:93:A:ALA:H	1:139:A:PHE:HD1	19	0.17
(3,853)	1:93:A:ALA:H	1:139:A:PHE:HD2	19	0.17
(3,832)	1:80:A:LYS:H	1:82:A:LEU:HG	4	0.17
(3,806)	1:59:A:ILE:H	1:61:A:ASP:H	13	0.17
(3,763)	1:32:A:ARG:H	1:35:A:GLU:H	10	0.17
(3,756)	1:27:A:GLN:HB2	1:29:A:ALA:H	2	0.17
(3,756)	1:27:A:GLN:HB3	1:29:A:ALA:H	2	0.17
(3,756)	1:27:A:GLN:HB2	1:29:A:ALA:H	8	0.17
(3,756)	1:27:A:GLN:HB3	1:29:A:ALA:H	8	0.17
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD21	11	0.17
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD22	11	0.17
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD23	11	0.17
(3,702)	1:124:A:LEU:HB3	1:125:A:THR:H	19	0.17
(3,682)	1:150:A:LEU:HD21	1:151:A:GLY:H	20	0.17
(3,682)	1:150:A:LEU:HD22	1:151:A:GLY:H	20	0.17
(3,682)	1:150:A:LEU:HD23	1:151:A:GLY:H	20	0.17
(3,681)	1:48:A:GLY:H	1:50:A:LEU:H	16	0.17
(3,680)	1:6:A:ILE:HG21	1:7:A:GLY:H	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,680)	1:6:A:ILE:HG22	1:7:A:GLY:H	16	0.17
(3,680)	1:6:A:ILE:HG23	1:7:A:GLY:H	16	0.17
(3,672)	1:56:A:ALA:HB1	1:133:A:GLN:HE22	1	0.17
(3,672)	1:56:A:ALA:HB2	1:133:A:GLN:HE22	1	0.17
(3,672)	1:56:A:ALA:HB3	1:133:A:GLN:HE22	1	0.17
(3,651)	1:122:A:GLU:HA	1:126:A:GLY:H	12	0.17
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD21	4	0.17
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD22	4	0.17
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD23	4	0.17
(3,647)	1:126:A:GLY:H	1:127:A:LEU:HG	10	0.17
(3,644)	1:36:A:VAL:HG11	1:37:A:GLY:H	5	0.17
(3,644)	1:36:A:VAL:HG12	1:37:A:GLY:H	5	0.17
(3,644)	1:36:A:VAL:HG13	1:37:A:GLY:H	5	0.17
(3,644)	1:36:A:VAL:HG11	1:37:A:GLY:H	9	0.17
(3,644)	1:36:A:VAL:HG12	1:37:A:GLY:H	9	0.17
(3,644)	1:36:A:VAL:HG13	1:37:A:GLY:H	9	0.17
(3,643)	1:33:A:HIS:HA	1:37:A:GLY:H	19	0.17
(3,638)	1:84:A:PRO:HB3	1:86:A:GLU:H	11	0.17
(3,628)	1:109:A:PHE:HB3	1:111:A:ASN:H	10	0.17
(3,596)	1:83:A:LEU:HD11	1:89:A:LYS:H	20	0.17
(3,596)	1:83:A:LEU:HD12	1:89:A:LYS:H	20	0.17
(3,596)	1:83:A:LEU:HD13	1:89:A:LYS:H	20	0.17
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG12	3	0.17
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG13	3	0.17
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG12	13	0.17
(3,588)	1:51:A:SER:H	1:55:A:ILE:HG13	13	0.17
(3,577)	1:44:A:LEU:HB2	1:50:A:LEU:H	4	0.17
(3,577)	1:44:A:LEU:HB2	1:50:A:LEU:H	15	0.17
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD21	6	0.17
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD22	6	0.17
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD23	6	0.17
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD21	19	0.17
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD22	19	0.17
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD23	19	0.17
(3,558)	1:113:A:LEU:H	1:113:A:LEU:HG	14	0.17
(3,553)	1:77:A:PRO:HB3	1:78:A:LYS:H	18	0.17
(3,536)	1:39:A:SER:HA	1:42:A:GLU:H	9	0.17
(3,509)	1:91:A:LEU:H	1:91:A:LEU:HD21	3	0.17
(3,509)	1:91:A:LEU:H	1:91:A:LEU:HD22	3	0.17
(3,509)	1:91:A:LEU:H	1:91:A:LEU:HD23	3	0.17
(3,500)	1:85:A:ALA:HB1	1:147:A:TYR:H	3	0.17
(3,500)	1:85:A:ALA:HB2	1:147:A:TYR:H	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,500)	1:85:A:ALA:HB3	1:147:A:TYR:H	3	0.17
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD21	5	0.17
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD22	5	0.17
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD23	5	0.17
(3,444)	1:118:A:LEU:HD21	1:119:A:GLU:H	8	0.17
(3,444)	1:118:A:LEU:HD22	1:119:A:GLU:H	8	0.17
(3,444)	1:118:A:LEU:HD23	1:119:A:GLU:H	8	0.17
(3,413)	1:107:A:VAL:HB	1:132:A:TYR:H	10	0.17
(3,413)	1:107:A:VAL:HB	1:132:A:TYR:H	17	0.17
(3,409)	1:109:A:PHE:HD1	1:132:A:TYR:H	15	0.17
(3,409)	1:109:A:PHE:HD2	1:132:A:TYR:H	15	0.17
(3,408)	1:129:A:VAL:HG21	1:132:A:TYR:H	1	0.17
(3,408)	1:129:A:VAL:HG22	1:132:A:TYR:H	1	0.17
(3,408)	1:129:A:VAL:HG23	1:132:A:TYR:H	1	0.17
(3,408)	1:129:A:VAL:HG21	1:132:A:TYR:H	19	0.17
(3,408)	1:129:A:VAL:HG22	1:132:A:TYR:H	19	0.17
(3,408)	1:129:A:VAL:HG23	1:132:A:TYR:H	19	0.17
(3,363)	1:120:A:GLU:HB2	1:121:A:VAL:H	9	0.17
(3,362)	1:32:A:ARG:HA	1:34:A:ARG:H	6	0.17
(3,338)	1:57:A:GLN:H	1:58:A:THR:HB	18	0.17
(3,264)	1:134:A:THR:HG21	1:139:A:PHE:H	4	0.17
(3,264)	1:134:A:THR:HG22	1:139:A:PHE:H	4	0.17
(3,264)	1:134:A:THR:HG23	1:139:A:PHE:H	4	0.17
(3,225)	1:31:A:GLU:H	1:31:A:GLU:HG3	12	0.17
(3,211)	1:121:A:VAL:HG21	1:123:A:ASP:H	3	0.17
(3,211)	1:121:A:VAL:HG22	1:123:A:ASP:H	3	0.17
(3,211)	1:121:A:VAL:HG23	1:123:A:ASP:H	3	0.17
(3,196)	1:55:A:ILE:HD11	1:56:A:ALA:H	3	0.17
(3,196)	1:55:A:ILE:HD12	1:56:A:ALA:H	3	0.17
(3,196)	1:55:A:ILE:HD13	1:56:A:ALA:H	3	0.17
(3,167)	1:55:A:ILE:H	1:55:A:ILE:HG12	2	0.17
(3,167)	1:55:A:ILE:H	1:55:A:ILE:HG13	2	0.17
(3,135)	1:116:A:LEU:HG	1:118:A:LEU:H	12	0.17
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD21	20	0.17
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD22	20	0.17
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD23	20	0.17
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE1	10	0.17
(3,95)	1:107:A:VAL:H	1:109:A:PHE:HE2	10	0.17
(4,20)	1:94:A:ILE:O	1:108:A:ALA:H	3	0.16
(4,20)	1:94:A:ILE:O	1:108:A:ALA:H	15	0.16
(4,15)	1:109:A:PHE:N	1:132:A:TYR:O	5	0.16
(4,2)	1:103:A:GLY:O	1:128:A:VAL:H	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2158)	1:122:A:GLU:HB2	1:129:A:VAL:H	1	0.16
(3,2158)	1:122:A:GLU:HB3	1:129:A:VAL:H	1	0.16
(3,2158)	1:122:A:GLU:HB2	1:129:A:VAL:H	12	0.16
(3,2158)	1:122:A:GLU:HB3	1:129:A:VAL:H	12	0.16
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG2	10	0.16
(3,2151)	1:121:A:VAL:H	1:122:A:GLU:HG3	10	0.16
(3,2149)	1:120:A:GLU:HG2	1:123:A:ASP:HB2	11	0.16
(3,2149)	1:120:A:GLU:HG2	1:123:A:ASP:HB3	11	0.16
(3,2149)	1:120:A:GLU:HG3	1:123:A:ASP:HB2	11	0.16
(3,2149)	1:120:A:GLU:HG3	1:123:A:ASP:HB3	11	0.16
(3,2112)	1:110:A:LEU:HB2	1:134:A:THR:HG21	20	0.16
(3,2112)	1:110:A:LEU:HB2	1:134:A:THR:HG22	20	0.16
(3,2112)	1:110:A:LEU:HB2	1:134:A:THR:HG23	20	0.16
(3,2112)	1:110:A:LEU:HB3	1:134:A:THR:HG21	20	0.16
(3,2112)	1:110:A:LEU:HB3	1:134:A:THR:HG22	20	0.16
(3,2112)	1:110:A:LEU:HB3	1:134:A:THR:HG23	20	0.16
(3,2082)	1:98:A:LEU:HB2	1:106:A:ARG:H	19	0.16
(3,2082)	1:98:A:LEU:HB3	1:106:A:ARG:H	19	0.16
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB2	10	0.16
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB3	10	0.16
(3,2016)	1:81:A:ALA:H	1:82:A:LEU:HB2	6	0.16
(3,2016)	1:81:A:ALA:H	1:82:A:LEU:HB3	6	0.16
(3,2016)	1:81:A:ALA:H	1:82:A:LEU:HB2	17	0.16
(3,2016)	1:81:A:ALA:H	1:82:A:LEU:HB3	17	0.16
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	11	0.16
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE22	11	0.16
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	11	0.16
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE22	11	0.16
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	11	0.16
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE22	11	0.16
(3,1932)	1:57:A:GLN:HG2	1:58:A:THR:HA	13	0.16
(3,1932)	1:57:A:GLN:HG3	1:58:A:THR:HA	13	0.16
(3,1914)	1:51:A:SER:HB2	1:53:A:ARG:HA	8	0.16
(3,1914)	1:51:A:SER:HB3	1:53:A:ARG:HA	8	0.16
(3,1912)	1:51:A:SER:HB2	1:52:A:GLU:H	13	0.16
(3,1912)	1:51:A:SER:HB3	1:52:A:GLU:H	13	0.16
(3,1906)	1:50:A:LEU:HB2	1:55:A:ILE:HA	19	0.16
(3,1906)	1:50:A:LEU:HB3	1:55:A:ILE:HA	19	0.16
(3,1880)	1:45:A:VAL:HA	1:51:A:SER:HB2	11	0.16
(3,1880)	1:45:A:VAL:HA	1:51:A:SER:HB3	11	0.16
(3,1846)	1:36:A:VAL:HG21	1:37:A:GLY:HA2	6	0.16
(3,1846)	1:36:A:VAL:HG21	1:37:A:GLY:HA3	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1846)	1:36:A:VAL:HG22	1:37:A:GLY:HA2	6	0.16
(3,1846)	1:36:A:VAL:HG22	1:37:A:GLY:HA3	6	0.16
(3,1846)	1:36:A:VAL:HG23	1:37:A:GLY:HA2	6	0.16
(3,1846)	1:36:A:VAL:HG23	1:37:A:GLY:HA3	6	0.16
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE21	16	0.16
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE22	16	0.16
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE21	16	0.16
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE22	16	0.16
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE21	16	0.16
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE22	16	0.16
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB2	18	0.16
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB3	18	0.16
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	5	0.16
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB3	5	0.16
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	5	0.16
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB3	5	0.16
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	5	0.16
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB3	5	0.16
(3,1715)	1:7:A:GLY:HA2	1:12:A:GLY:H	6	0.16
(3,1715)	1:7:A:GLY:HA3	1:12:A:GLY:H	6	0.16
(3,1715)	1:7:A:GLY:HA2	1:12:A:GLY:H	10	0.16
(3,1715)	1:7:A:GLY:HA3	1:12:A:GLY:H	10	0.16
(3,1658)	1:93:A:ALA:HB1	1:121:A:VAL:HG11	20	0.16
(3,1658)	1:93:A:ALA:HB1	1:121:A:VAL:HG12	20	0.16
(3,1658)	1:93:A:ALA:HB1	1:121:A:VAL:HG13	20	0.16
(3,1658)	1:93:A:ALA:HB2	1:121:A:VAL:HG11	20	0.16
(3,1658)	1:93:A:ALA:HB2	1:121:A:VAL:HG12	20	0.16
(3,1658)	1:93:A:ALA:HB2	1:121:A:VAL:HG13	20	0.16
(3,1658)	1:93:A:ALA:HB3	1:121:A:VAL:HG11	20	0.16
(3,1658)	1:93:A:ALA:HB3	1:121:A:VAL:HG12	20	0.16
(3,1658)	1:93:A:ALA:HB3	1:121:A:VAL:HG13	20	0.16
(3,1644)	1:113:A:LEU:HD21	1:114:A:ASP:H	18	0.16
(3,1644)	1:113:A:LEU:HD22	1:114:A:ASP:H	18	0.16
(3,1644)	1:113:A:LEU:HD23	1:114:A:ASP:H	18	0.16
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD21	6	0.16
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD22	6	0.16
(3,1643)	1:112:A:PRO:HG2	1:113:A:LEU:HD23	6	0.16
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD21	6	0.16
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD22	6	0.16
(3,1643)	1:112:A:PRO:HG3	1:113:A:LEU:HD23	6	0.16
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD11	14	0.16
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD12	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1636)	1:68:A:VAL:HB	1:70:A:LEU:HD13	14	0.16
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG21	6	0.16
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG22	6	0.16
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG23	6	0.16
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG21	6	0.16
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG22	6	0.16
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG23	6	0.16
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG21	6	0.16
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG22	6	0.16
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG23	6	0.16
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG21	18	0.16
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG22	18	0.16
(3,1630)	1:110:A:LEU:HD11	1:134:A:THR:HG23	18	0.16
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG21	18	0.16
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG22	18	0.16
(3,1630)	1:110:A:LEU:HD12	1:134:A:THR:HG23	18	0.16
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG21	18	0.16
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG22	18	0.16
(3,1630)	1:110:A:LEU:HD13	1:134:A:THR:HG23	18	0.16
(3,1611)	1:104:A:VAL:HG11	1:128:A:VAL:HB	6	0.16
(3,1611)	1:104:A:VAL:HG12	1:128:A:VAL:HB	6	0.16
(3,1611)	1:104:A:VAL:HG13	1:128:A:VAL:HB	6	0.16
(3,1611)	1:104:A:VAL:HG21	1:128:A:VAL:HB	6	0.16
(3,1611)	1:104:A:VAL:HG22	1:128:A:VAL:HB	6	0.16
(3,1611)	1:104:A:VAL:HG23	1:128:A:VAL:HB	6	0.16
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG21	7	0.16
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG22	7	0.16
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG23	7	0.16
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG21	7	0.16
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG22	7	0.16
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG23	7	0.16
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG21	7	0.16
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG22	7	0.16
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG23	7	0.16
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG21	8	0.16
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG22	8	0.16
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG23	8	0.16
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG21	8	0.16
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG22	8	0.16
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG23	8	0.16
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG21	8	0.16
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG22	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG23	8	0.16
(3,1520)	1:40:A:LEU:HD11	1:43:A:VAL:HB	8	0.16
(3,1520)	1:40:A:LEU:HD12	1:43:A:VAL:HB	8	0.16
(3,1520)	1:40:A:LEU:HD13	1:43:A:VAL:HB	8	0.16
(3,1499)	1:150:A:LEU:HA	1:150:A:LEU:HD11	8	0.16
(3,1499)	1:150:A:LEU:HA	1:150:A:LEU:HD12	8	0.16
(3,1499)	1:150:A:LEU:HA	1:150:A:LEU:HD13	8	0.16
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD21	4	0.16
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD22	4	0.16
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD23	4	0.16
(3,1448)	1:109:A:PHE:HD1	1:133:A:GLN:HA	5	0.16
(3,1448)	1:109:A:PHE:HD2	1:133:A:GLN:HA	5	0.16
(3,1414)	1:110:A:LEU:HA	1:134:A:THR:HG21	20	0.16
(3,1414)	1:110:A:LEU:HA	1:134:A:THR:HG22	20	0.16
(3,1414)	1:110:A:LEU:HA	1:134:A:THR:HG23	20	0.16
(3,1373)	1:97:A:ALA:HB1	1:105:A:VAL:HG11	6	0.16
(3,1373)	1:97:A:ALA:HB1	1:105:A:VAL:HG12	6	0.16
(3,1373)	1:97:A:ALA:HB1	1:105:A:VAL:HG13	6	0.16
(3,1373)	1:97:A:ALA:HB2	1:105:A:VAL:HG11	6	0.16
(3,1373)	1:97:A:ALA:HB2	1:105:A:VAL:HG12	6	0.16
(3,1373)	1:97:A:ALA:HB2	1:105:A:VAL:HG13	6	0.16
(3,1373)	1:97:A:ALA:HB3	1:105:A:VAL:HG11	6	0.16
(3,1373)	1:97:A:ALA:HB3	1:105:A:VAL:HG12	6	0.16
(3,1373)	1:97:A:ALA:HB3	1:105:A:VAL:HG13	6	0.16
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD2	13	0.16
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD3	13	0.16
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG21	15	0.16
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG22	15	0.16
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG23	15	0.16
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG21	15	0.16
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG22	15	0.16
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG23	15	0.16
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG21	15	0.16
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG22	15	0.16
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG23	15	0.16
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG21	18	0.16
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG22	18	0.16
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG23	18	0.16
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG21	18	0.16
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG22	18	0.16
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG23	18	0.16
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG21	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG22	18	0.16
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG23	18	0.16
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG21	19	0.16
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG22	19	0.16
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG23	19	0.16
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG21	19	0.16
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG22	19	0.16
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG23	19	0.16
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG21	19	0.16
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG22	19	0.16
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG23	19	0.16
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG21	16	0.16
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG22	16	0.16
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG23	16	0.16
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG21	16	0.16
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG22	16	0.16
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG23	16	0.16
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG21	16	0.16
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG22	16	0.16
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG23	16	0.16
(3,1266)	1:2:A:SER:HB2	1:3:A:VAL:HA	1	0.16
(3,1266)	1:2:A:SER:HB3	1:3:A:VAL:HA	1	0.16
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB1	7	0.16
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB2	7	0.16
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB3	7	0.16
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB1	7	0.16
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB2	7	0.16
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB3	7	0.16
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB1	7	0.16
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB2	7	0.16
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB3	7	0.16
(3,1254)	1:134:A:THR:HG21	1:138:A:ALA:HB1	17	0.16
(3,1254)	1:134:A:THR:HG21	1:138:A:ALA:HB2	17	0.16
(3,1254)	1:134:A:THR:HG21	1:138:A:ALA:HB3	17	0.16
(3,1254)	1:134:A:THR:HG22	1:138:A:ALA:HB1	17	0.16
(3,1254)	1:134:A:THR:HG22	1:138:A:ALA:HB2	17	0.16
(3,1254)	1:134:A:THR:HG22	1:138:A:ALA:HB3	17	0.16
(3,1254)	1:134:A:THR:HG23	1:138:A:ALA:HB1	17	0.16
(3,1254)	1:134:A:THR:HG23	1:138:A:ALA:HB2	17	0.16
(3,1254)	1:134:A:THR:HG23	1:138:A:ALA:HB3	17	0.16
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD11	9	0.16
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD12	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD13	9	0.16
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD11	9	0.16
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD12	9	0.16
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD13	9	0.16
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD11	9	0.16
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD12	9	0.16
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD13	9	0.16
(3,1156)	1:11:A:LEU:HD11	1:12:A:GLY:HA3	19	0.16
(3,1156)	1:11:A:LEU:HD12	1:12:A:GLY:HA3	19	0.16
(3,1156)	1:11:A:LEU:HD13	1:12:A:GLY:HA3	19	0.16
(3,1116)	1:41:A:ALA:HB1	1:55:A:ILE:HG12	13	0.16
(3,1116)	1:41:A:ALA:HB1	1:55:A:ILE:HG13	13	0.16
(3,1116)	1:41:A:ALA:HB2	1:55:A:ILE:HG12	13	0.16
(3,1116)	1:41:A:ALA:HB2	1:55:A:ILE:HG13	13	0.16
(3,1116)	1:41:A:ALA:HB3	1:55:A:ILE:HG12	13	0.16
(3,1116)	1:41:A:ALA:HB3	1:55:A:ILE:HG13	13	0.16
(3,996)	1:98:A:LEU:H	1:106:A:ARG:HB2	6	0.16
(3,996)	1:98:A:LEU:H	1:106:A:ARG:HB3	6	0.16
(3,996)	1:98:A:LEU:H	1:106:A:ARG:HB2	11	0.16
(3,996)	1:98:A:LEU:H	1:106:A:ARG:HB3	11	0.16
(3,994)	1:96:A:PHE:H	1:108:A:ALA:H	13	0.16
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG21	12	0.16
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG22	12	0.16
(3,987)	1:52:A:GLU:H	1:135:A:THR:HG23	12	0.16
(3,981)	1:33:A:HIS:HA	1:38:A:GLY:H	1	0.16
(3,971)	1:23:A:ASP:HB2	1:25:A:GLU:H	9	0.16
(3,971)	1:23:A:ASP:HB3	1:25:A:GLU:H	9	0.16
(3,924)	1:143:A:LEU:H	1:143:A:LEU:HD21	3	0.16
(3,924)	1:143:A:LEU:H	1:143:A:LEU:HD22	3	0.16
(3,924)	1:143:A:LEU:H	1:143:A:LEU:HD23	3	0.16
(3,843)	1:87:A:LYS:H	1:89:A:LYS:H	8	0.16
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD11	13	0.16
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD12	13	0.16
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD13	13	0.16
(3,832)	1:80:A:LYS:H	1:82:A:LEU:HG	1	0.16
(3,789)	1:45:A:VAL:H	1:48:A:GLY:H	18	0.16
(3,784)	1:44:A:LEU:H	1:46:A:ASP:H	6	0.16
(3,765)	1:29:A:ALA:HA	1:33:A:HIS:H	15	0.16
(3,763)	1:32:A:ARG:H	1:35:A:GLU:H	1	0.16
(3,763)	1:32:A:ARG:H	1:35:A:GLU:H	2	0.16
(3,761)	1:27:A:GLN:HG2	1:30:A:LEU:H	4	0.16
(3,761)	1:27:A:GLN:HG3	1:30:A:LEU:H	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,753)	1:26:A:LEU:HD21	1:27:A:GLN:H	12	0.16
(3,753)	1:26:A:LEU:HD22	1:27:A:GLN:H	12	0.16
(3,753)	1:26:A:LEU:HD23	1:27:A:GLN:H	12	0.16
(3,711)	1:6:A:ILE:HG21	1:8:A:ASP:H	18	0.16
(3,711)	1:6:A:ILE:HG22	1:8:A:ASP:H	18	0.16
(3,711)	1:6:A:ILE:HG23	1:8:A:ASP:H	18	0.16
(3,702)	1:124:A:LEU:HB3	1:125:A:THR:H	5	0.16
(3,655)	1:22:A:THR:H	1:25:A:GLU:HA	7	0.16
(3,655)	1:22:A:THR:H	1:25:A:GLU:HA	9	0.16
(3,647)	1:126:A:GLY:H	1:127:A:LEU:HG	16	0.16
(3,628)	1:109:A:PHE:HB3	1:111:A:ASN:H	16	0.16
(3,624)	1:134:A:THR:HB	1:135:A:THR:H	18	0.16
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD21	2	0.16
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD22	2	0.16
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD23	2	0.16
(3,577)	1:44:A:LEU:HB2	1:50:A:LEU:H	10	0.16
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD21	12	0.16
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD22	12	0.16
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD23	12	0.16
(3,558)	1:113:A:LEU:H	1:113:A:LEU:HG	4	0.16
(3,558)	1:113:A:LEU:H	1:113:A:LEU:HG	19	0.16
(3,541)	1:45:A:VAL:HA	1:47:A:MET:H	6	0.16
(3,523)	1:35:A:GLU:H	1:36:A:VAL:HG11	5	0.16
(3,523)	1:35:A:GLU:H	1:36:A:VAL:HG12	5	0.16
(3,523)	1:35:A:GLU:H	1:36:A:VAL:HG13	5	0.16
(3,523)	1:35:A:GLU:H	1:36:A:VAL:HG11	6	0.16
(3,523)	1:35:A:GLU:H	1:36:A:VAL:HG12	6	0.16
(3,523)	1:35:A:GLU:H	1:36:A:VAL:HG13	6	0.16
(3,523)	1:35:A:GLU:H	1:36:A:VAL:HG11	20	0.16
(3,523)	1:35:A:GLU:H	1:36:A:VAL:HG12	20	0.16
(3,523)	1:35:A:GLU:H	1:36:A:VAL:HG13	20	0.16
(3,500)	1:85:A:ALA:HB1	1:147:A:TYR:H	12	0.16
(3,500)	1:85:A:ALA:HB2	1:147:A:TYR:H	12	0.16
(3,500)	1:85:A:ALA:HB3	1:147:A:TYR:H	12	0.16
(3,491)	1:56:A:ALA:HB1	1:58:A:THR:H	12	0.16
(3,491)	1:56:A:ALA:HB2	1:58:A:THR:H	12	0.16
(3,491)	1:56:A:ALA:HB3	1:58:A:THR:H	12	0.16
(3,491)	1:56:A:ALA:HB1	1:58:A:THR:H	20	0.16
(3,491)	1:56:A:ALA:HB2	1:58:A:THR:H	20	0.16
(3,491)	1:56:A:ALA:HB3	1:58:A:THR:H	20	0.16
(3,410)	1:109:A:PHE:HE1	1:132:A:TYR:H	4	0.16
(3,410)	1:109:A:PHE:HE2	1:132:A:TYR:H	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,368)	1:45:A:VAL:HG21	1:49:A:LEU:H	10	0.16
(3,368)	1:45:A:VAL:HG22	1:49:A:LEU:H	10	0.16
(3,368)	1:45:A:VAL:HG23	1:49:A:LEU:H	10	0.16
(3,341)	1:61:A:ASP:H	1:64:A:GLY:H	16	0.16
(3,283)	1:143:A:LEU:H	1:143:A:LEU:HG	18	0.16
(3,275)	1:11:A:LEU:HA	1:13:A:ALA:H	7	0.16
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG21	11	0.16
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG22	11	0.16
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG23	11	0.16
(3,212)	1:123:A:ASP:H	1:124:A:LEU:HD11	9	0.16
(3,212)	1:123:A:ASP:H	1:124:A:LEU:HD12	9	0.16
(3,212)	1:123:A:ASP:H	1:124:A:LEU:HD13	9	0.16
(3,184)	1:141:A:TYR:HD1	1:142:A:ALA:H	17	0.16
(3,184)	1:141:A:TYR:HD2	1:142:A:ALA:H	17	0.16
(3,172)	1:13:A:ALA:HB1	1:17:A:ASP:H	3	0.16
(3,172)	1:13:A:ALA:HB2	1:17:A:ASP:H	3	0.16
(3,172)	1:13:A:ALA:HB3	1:17:A:ASP:H	3	0.16
(3,148)	1:93:A:ALA:HA	1:110:A:LEU:H	2	0.16
(3,143)	1:55:A:ILE:HG21	1:59:A:ILE:H	9	0.16
(3,143)	1:55:A:ILE:HG22	1:59:A:ILE:H	9	0.16
(3,143)	1:55:A:ILE:HG23	1:59:A:ILE:H	9	0.16
(3,108)	1:88:A:ALA:HB1	1:93:A:ALA:H	17	0.16
(3,108)	1:88:A:ALA:HB2	1:93:A:ALA:H	17	0.16
(3,108)	1:88:A:ALA:HB3	1:93:A:ALA:H	17	0.16
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD11	18	0.16
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD12	18	0.16
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD13	18	0.16
(3,78)	1:11:A:LEU:HD21	1:40:A:LEU:H	8	0.16
(3,78)	1:11:A:LEU:HD22	1:40:A:LEU:H	8	0.16
(3,78)	1:11:A:LEU:HD23	1:40:A:LEU:H	8	0.16
(3,27)	1:129:A:VAL:H	1:129:A:VAL:HB	14	0.16
(2,1)	1:109:A:PHE:H	1:134:A:THR:HB	18	0.16
(4,19)	1:94:A:ILE:O	1:108:A:ALA:N	8	0.15
(4,16)	1:109:A:PHE:H	1:132:A:TYR:O	14	0.15
(4,4)	1:105:A:VAL:H	1:128:A:VAL:O	1	0.15
(4,4)	1:105:A:VAL:H	1:128:A:VAL:O	9	0.15
(4,4)	1:105:A:VAL:H	1:128:A:VAL:O	16	0.15
(4,4)	1:105:A:VAL:H	1:128:A:VAL:O	17	0.15
(4,1)	1:103:A:GLY:O	1:128:A:VAL:N	20	0.15
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG21	17	0.15
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG22	17	0.15
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG23	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG21	17	0.15
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG22	17	0.15
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG23	17	0.15
(3,2162)	1:122:A:GLU:HG2	1:129:A:VAL:H	5	0.15
(3,2162)	1:122:A:GLU:HG3	1:129:A:VAL:H	5	0.15
(3,2141)	1:118:A:LEU:HD21	1:131:A:PRO:HB2	19	0.15
(3,2141)	1:118:A:LEU:HD21	1:131:A:PRO:HB3	19	0.15
(3,2141)	1:118:A:LEU:HD22	1:131:A:PRO:HB2	19	0.15
(3,2141)	1:118:A:LEU:HD22	1:131:A:PRO:HB3	19	0.15
(3,2141)	1:118:A:LEU:HD23	1:131:A:PRO:HB2	19	0.15
(3,2141)	1:118:A:LEU:HD23	1:131:A:PRO:HB3	19	0.15
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB2	18	0.15
(3,2128)	1:115:A:THR:HG21	1:116:A:LEU:HB3	18	0.15
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB2	18	0.15
(3,2128)	1:115:A:THR:HG22	1:116:A:LEU:HB3	18	0.15
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB2	18	0.15
(3,2128)	1:115:A:THR:HG23	1:116:A:LEU:HB3	18	0.15
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG21	12	0.15
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG22	12	0.15
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG23	12	0.15
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG21	12	0.15
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG22	12	0.15
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG23	12	0.15
(3,2050)	1:90:A:GLU:HB2	1:91:A:LEU:H	17	0.15
(3,2050)	1:90:A:GLU:HB3	1:91:A:LEU:H	17	0.15
(3,2047)	1:89:A:LYS:HG2	1:90:A:GLU:H	3	0.15
(3,2047)	1:89:A:LYS:HG3	1:90:A:GLU:H	3	0.15
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB2	14	0.15
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB3	14	0.15
(3,2035)	1:85:A:ALA:HB1	1:147:A:TYR:HB2	4	0.15
(3,2035)	1:85:A:ALA:HB1	1:147:A:TYR:HB3	4	0.15
(3,2035)	1:85:A:ALA:HB2	1:147:A:TYR:HB2	4	0.15
(3,2035)	1:85:A:ALA:HB2	1:147:A:TYR:HB3	4	0.15
(3,2035)	1:85:A:ALA:HB3	1:147:A:TYR:HB2	4	0.15
(3,2035)	1:85:A:ALA:HB3	1:147:A:TYR:HB3	4	0.15
(3,2034)	1:85:A:ALA:H	1:87:A:LYS:HB2	11	0.15
(3,2034)	1:85:A:ALA:H	1:87:A:LYS:HB3	11	0.15
(3,2034)	1:85:A:ALA:H	1:87:A:LYS:HB2	19	0.15
(3,2034)	1:85:A:ALA:H	1:87:A:LYS:HB3	19	0.15
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB2	19	0.15
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB3	19	0.15
(3,1917)	1:53:A:ARG:HA	1:53:A:ARG:HD2	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1917)	1:53:A:ARG:HA	1:53:A:ARG:HD3	4	0.15
(3,1815)	1:32:A:ARG:H	1:32:A:ARG:HG2	7	0.15
(3,1815)	1:32:A:ARG:H	1:32:A:ARG:HG3	7	0.15
(3,1803)	1:29:A:ALA:H	1:30:A:LEU:HB2	3	0.15
(3,1803)	1:29:A:ALA:H	1:30:A:LEU:HB3	3	0.15
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB2	2	0.15
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB3	2	0.15
(3,1784)	1:21:A:LEU:HB2	1:25:A:GLU:H	1	0.15
(3,1784)	1:21:A:LEU:HB3	1:25:A:GLU:H	1	0.15
(3,1783)	1:21:A:LEU:HB2	1:22:A:THR:HA	1	0.15
(3,1783)	1:21:A:LEU:HB3	1:22:A:THR:HA	1	0.15
(3,1783)	1:21:A:LEU:HB2	1:22:A:THR:HA	7	0.15
(3,1783)	1:21:A:LEU:HB3	1:22:A:THR:HA	7	0.15
(3,1777)	1:19:A:GLY:HA2	1:21:A:LEU:HA	9	0.15
(3,1777)	1:19:A:GLY:HA3	1:21:A:LEU:HA	9	0.15
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	9	0.15
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB3	9	0.15
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	9	0.15
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB3	9	0.15
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	9	0.15
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB3	9	0.15
(3,1748)	1:11:A:LEU:HB2	1:113:A:LEU:HD21	10	0.15
(3,1748)	1:11:A:LEU:HB2	1:113:A:LEU:HD22	10	0.15
(3,1748)	1:11:A:LEU:HB2	1:113:A:LEU:HD23	10	0.15
(3,1748)	1:11:A:LEU:HB3	1:113:A:LEU:HD21	10	0.15
(3,1748)	1:11:A:LEU:HB3	1:113:A:LEU:HD22	10	0.15
(3,1748)	1:11:A:LEU:HB3	1:113:A:LEU:HD23	10	0.15
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD11	18	0.15
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD12	18	0.15
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD13	18	0.15
(3,1613)	1:105:A:VAL:HG11	1:129:A:VAL:HA	19	0.15
(3,1613)	1:105:A:VAL:HG12	1:129:A:VAL:HA	19	0.15
(3,1613)	1:105:A:VAL:HG13	1:129:A:VAL:HA	19	0.15
(3,1605)	1:98:A:LEU:HA	1:98:A:LEU:HD11	1	0.15
(3,1605)	1:98:A:LEU:HA	1:98:A:LEU:HD12	1	0.15
(3,1605)	1:98:A:LEU:HA	1:98:A:LEU:HD13	1	0.15
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG21	19	0.15
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG22	19	0.15
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG23	19	0.15
(3,1384)	1:104:A:VAL:HA	1:128:A:VAL:HB	18	0.15
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD21	18	0.15
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD22	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1377)	1:18:A:ALA:HA	1:20:A:LEU:HD23	18	0.15
(3,1372)	1:97:A:ALA:HB1	1:98:A:LEU:HD21	8	0.15
(3,1372)	1:97:A:ALA:HB1	1:98:A:LEU:HD22	8	0.15
(3,1372)	1:97:A:ALA:HB1	1:98:A:LEU:HD23	8	0.15
(3,1372)	1:97:A:ALA:HB2	1:98:A:LEU:HD21	8	0.15
(3,1372)	1:97:A:ALA:HB2	1:98:A:LEU:HD22	8	0.15
(3,1372)	1:97:A:ALA:HB2	1:98:A:LEU:HD23	8	0.15
(3,1372)	1:97:A:ALA:HB3	1:98:A:LEU:HD21	8	0.15
(3,1372)	1:97:A:ALA:HB3	1:98:A:LEU:HD22	8	0.15
(3,1372)	1:97:A:ALA:HB3	1:98:A:LEU:HD23	8	0.15
(3,1372)	1:97:A:ALA:HB1	1:98:A:LEU:HD21	10	0.15
(3,1372)	1:97:A:ALA:HB1	1:98:A:LEU:HD22	10	0.15
(3,1372)	1:97:A:ALA:HB1	1:98:A:LEU:HD23	10	0.15
(3,1372)	1:97:A:ALA:HB2	1:98:A:LEU:HD21	10	0.15
(3,1372)	1:97:A:ALA:HB2	1:98:A:LEU:HD22	10	0.15
(3,1372)	1:97:A:ALA:HB2	1:98:A:LEU:HD23	10	0.15
(3,1372)	1:97:A:ALA:HB3	1:98:A:LEU:HD21	10	0.15
(3,1372)	1:97:A:ALA:HB3	1:98:A:LEU:HD22	10	0.15
(3,1372)	1:97:A:ALA:HB3	1:98:A:LEU:HD23	10	0.15
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE1	9	0.15
(3,1351)	1:93:A:ALA:HB1	1:109:A:PHE:HE2	9	0.15
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE1	9	0.15
(3,1351)	1:93:A:ALA:HB2	1:109:A:PHE:HE2	9	0.15
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE1	9	0.15
(3,1351)	1:93:A:ALA:HB3	1:109:A:PHE:HE2	9	0.15
(3,1345)	1:88:A:ALA:HB1	1:94:A:ILE:HG21	13	0.15
(3,1345)	1:88:A:ALA:HB1	1:94:A:ILE:HG22	13	0.15
(3,1345)	1:88:A:ALA:HB1	1:94:A:ILE:HG23	13	0.15
(3,1345)	1:88:A:ALA:HB2	1:94:A:ILE:HG21	13	0.15
(3,1345)	1:88:A:ALA:HB2	1:94:A:ILE:HG22	13	0.15
(3,1345)	1:88:A:ALA:HB2	1:94:A:ILE:HG23	13	0.15
(3,1345)	1:88:A:ALA:HB3	1:94:A:ILE:HG21	13	0.15
(3,1345)	1:88:A:ALA:HB3	1:94:A:ILE:HG22	13	0.15
(3,1345)	1:88:A:ALA:HB3	1:94:A:ILE:HG23	13	0.15
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG21	13	0.15
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG22	13	0.15
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG23	13	0.15
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG21	16	0.15
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG22	16	0.15
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG23	16	0.15
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG21	17	0.15
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG22	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG23	17	0.15
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG21	19	0.15
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG22	19	0.15
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG23	19	0.15
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG21	19	0.15
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG22	19	0.15
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG23	19	0.15
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG21	19	0.15
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG22	19	0.15
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG23	19	0.15
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG21	2	0.15
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG22	2	0.15
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG23	2	0.15
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG21	2	0.15
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG22	2	0.15
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG23	2	0.15
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG21	2	0.15
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG22	2	0.15
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG23	2	0.15
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG21	9	0.15
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG22	9	0.15
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG23	9	0.15
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG21	9	0.15
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG22	9	0.15
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG23	9	0.15
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG21	9	0.15
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG22	9	0.15
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG23	9	0.15
(3,1310)	1:55:A:ILE:HG21	1:58:A:THR:HB	3	0.15
(3,1310)	1:55:A:ILE:HG22	1:58:A:THR:HB	3	0.15
(3,1310)	1:55:A:ILE:HG23	1:58:A:THR:HB	3	0.15
(3,1302)	1:52:A:GLU:HA	1:55:A:ILE:HG21	10	0.15
(3,1302)	1:52:A:GLU:HA	1:55:A:ILE:HG22	10	0.15
(3,1302)	1:52:A:GLU:HA	1:55:A:ILE:HG23	10	0.15
(3,1274)	1:13:A:ALA:HB1	1:14:A:ALA:HA	19	0.15
(3,1274)	1:13:A:ALA:HB2	1:14:A:ALA:HA	19	0.15
(3,1274)	1:13:A:ALA:HB3	1:14:A:ALA:HA	19	0.15
(3,1258)	1:68:A:VAL:HG21	1:134:A:THR:HB	3	0.15
(3,1258)	1:68:A:VAL:HG22	1:134:A:THR:HB	3	0.15
(3,1258)	1:68:A:VAL:HG23	1:134:A:THR:HB	3	0.15
(3,1222)	1:112:A:PRO:HA	1:113:A:LEU:HA	20	0.15
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG21	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG22	12	0.15
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG23	12	0.15
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG21	12	0.15
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG22	12	0.15
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG23	12	0.15
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG21	12	0.15
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG22	12	0.15
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG23	12	0.15
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD11	15	0.15
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD12	15	0.15
(3,1165)	1:14:A:ALA:HB1	1:20:A:LEU:HD13	15	0.15
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD11	15	0.15
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD12	15	0.15
(3,1165)	1:14:A:ALA:HB2	1:20:A:LEU:HD13	15	0.15
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD11	15	0.15
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD12	15	0.15
(3,1165)	1:14:A:ALA:HB3	1:20:A:LEU:HD13	15	0.15
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD11	9	0.15
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD12	9	0.15
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD13	9	0.15
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD11	15	0.15
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD12	15	0.15
(3,1158)	1:13:A:ALA:HA	1:16:A:LEU:HD13	15	0.15
(3,1156)	1:11:A:LEU:HD11	1:12:A:GLY:HA3	14	0.15
(3,1156)	1:11:A:LEU:HD12	1:12:A:GLY:HA3	14	0.15
(3,1156)	1:11:A:LEU:HD13	1:12:A:GLY:HA3	14	0.15
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD21	4	0.15
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD22	4	0.15
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD23	4	0.15
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD21	4	0.15
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD22	4	0.15
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD23	4	0.15
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD21	4	0.15
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD22	4	0.15
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD23	4	0.15
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD21	18	0.15
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD22	18	0.15
(3,1108)	1:65:A:ILE:HD11	1:113:A:LEU:HD23	18	0.15
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD21	18	0.15
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD22	18	0.15
(3,1108)	1:65:A:ILE:HD12	1:113:A:LEU:HD23	18	0.15
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD21	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD22	18	0.15
(3,1108)	1:65:A:ILE:HD13	1:113:A:LEU:HD23	18	0.15
(3,1094)	1:14:A:ALA:HB1	1:58:A:THR:HG21	18	0.15
(3,1094)	1:14:A:ALA:HB1	1:58:A:THR:HG22	18	0.15
(3,1094)	1:14:A:ALA:HB1	1:58:A:THR:HG23	18	0.15
(3,1094)	1:14:A:ALA:HB2	1:58:A:THR:HG21	18	0.15
(3,1094)	1:14:A:ALA:HB2	1:58:A:THR:HG22	18	0.15
(3,1094)	1:14:A:ALA:HB2	1:58:A:THR:HG23	18	0.15
(3,1094)	1:14:A:ALA:HB3	1:58:A:THR:HG21	18	0.15
(3,1094)	1:14:A:ALA:HB3	1:58:A:THR:HG22	18	0.15
(3,1094)	1:14:A:ALA:HB3	1:58:A:THR:HG23	18	0.15
(3,1091)	1:58:A:THR:HA	1:61:A:ASP:HB2	8	0.15
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD21	17	0.15
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD22	17	0.15
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD23	17	0.15
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD21	17	0.15
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD22	17	0.15
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD23	17	0.15
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD21	17	0.15
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD22	17	0.15
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD23	17	0.15
(3,1005)	1:106:A:ARG:HA	1:132:A:TYR:H	15	0.15
(3,1001)	1:69:A:GLU:H	1:70:A:LEU:HD11	1	0.15
(3,1001)	1:69:A:GLU:H	1:70:A:LEU:HD12	1	0.15
(3,1001)	1:69:A:GLU:H	1:70:A:LEU:HD13	1	0.15
(3,996)	1:98:A:LEU:H	1:106:A:ARG:HB2	9	0.15
(3,996)	1:98:A:LEU:H	1:106:A:ARG:HB3	9	0.15
(3,988)	1:56:A:ALA:HA	1:58:A:THR:H	4	0.15
(3,986)	1:43:A:VAL:HB	1:46:A:ASP:H	19	0.15
(3,982)	1:39:A:SER:H	1:43:A:VAL:H	10	0.15
(3,967)	1:16:A:LEU:HD11	1:17:A:ASP:H	11	0.15
(3,967)	1:16:A:LEU:HD12	1:17:A:ASP:H	11	0.15
(3,967)	1:16:A:LEU:HD13	1:17:A:ASP:H	11	0.15
(3,967)	1:16:A:LEU:HD11	1:17:A:ASP:H	12	0.15
(3,967)	1:16:A:LEU:HD12	1:17:A:ASP:H	12	0.15
(3,967)	1:16:A:LEU:HD13	1:17:A:ASP:H	12	0.15
(3,936)	1:11:A:LEU:H	1:13:A:ALA:H	13	0.15
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD21	18	0.15
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD22	18	0.15
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD23	18	0.15
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG21	13	0.15
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG22	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG23	13	0.15
(3,850)	1:92:A:LYS:HG2	1:93:A:ALA:H	15	0.15
(3,850)	1:92:A:LYS:HG3	1:93:A:ALA:H	15	0.15
(3,832)	1:80:A:LYS:H	1:82:A:LEU:HG	13	0.15
(3,832)	1:80:A:LYS:H	1:82:A:LEU:HG	15	0.15
(3,826)	1:117:A:SER:H	1:119:A:GLU:H	20	0.15
(3,811)	1:62:A:ARG:H	1:64:A:GLY:H	18	0.15
(3,808)	1:61:A:ASP:H	1:65:A:ILE:H	7	0.15
(3,759)	1:27:A:GLN:H	1:29:A:ALA:H	4	0.15
(3,752)	1:23:A:ASP:HB2	1:27:A:GLN:H	5	0.15
(3,752)	1:23:A:ASP:HB3	1:27:A:GLN:H	5	0.15
(3,745)	1:51:A:SER:H	1:54:A:ARG:H	6	0.15
(3,745)	1:51:A:SER:H	1:54:A:ARG:H	13	0.15
(3,730)	1:14:A:ALA:HB1	1:18:A:ALA:H	5	0.15
(3,730)	1:14:A:ALA:HB2	1:18:A:ALA:H	5	0.15
(3,730)	1:14:A:ALA:HB3	1:18:A:ALA:H	5	0.15
(3,720)	1:11:A:LEU:HD11	1:13:A:ALA:H	9	0.15
(3,720)	1:11:A:LEU:HD12	1:13:A:ALA:H	9	0.15
(3,720)	1:11:A:LEU:HD13	1:13:A:ALA:H	9	0.15
(3,691)	1:124:A:LEU:HG	1:125:A:THR:H	10	0.15
(3,682)	1:150:A:LEU:HD21	1:151:A:GLY:H	17	0.15
(3,682)	1:150:A:LEU:HD22	1:151:A:GLY:H	17	0.15
(3,682)	1:150:A:LEU:HD23	1:151:A:GLY:H	17	0.15
(3,651)	1:122:A:GLU:HA	1:126:A:GLY:H	11	0.15
(3,644)	1:36:A:VAL:HG11	1:37:A:GLY:H	19	0.15
(3,644)	1:36:A:VAL:HG12	1:37:A:GLY:H	19	0.15
(3,644)	1:36:A:VAL:HG13	1:37:A:GLY:H	19	0.15
(3,628)	1:109:A:PHE:HB3	1:111:A:ASN:H	9	0.15
(3,615)	1:62:A:ARG:HB3	1:63:A:PHE:H	6	0.15
(3,596)	1:83:A:LEU:HD11	1:89:A:LYS:H	19	0.15
(3,596)	1:83:A:LEU:HD12	1:89:A:LYS:H	19	0.15
(3,596)	1:83:A:LEU:HD13	1:89:A:LYS:H	19	0.15
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD21	18	0.15
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD22	18	0.15
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD23	18	0.15
(3,503)	1:80:A:LYS:HD2	1:81:A:ALA:H	19	0.15
(3,503)	1:80:A:LYS:HD3	1:81:A:ALA:H	19	0.15
(3,502)	1:81:A:ALA:H	1:82:A:LEU:HG	10	0.15
(3,500)	1:85:A:ALA:HB1	1:147:A:TYR:H	10	0.15
(3,500)	1:85:A:ALA:HB2	1:147:A:TYR:H	10	0.15
(3,500)	1:85:A:ALA:HB3	1:147:A:TYR:H	10	0.15
(3,491)	1:56:A:ALA:HB1	1:58:A:THR:H	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,491)	1:56:A:ALA:HB2	1:58:A:THR:H	7	0.15
(3,491)	1:56:A:ALA:HB3	1:58:A:THR:H	7	0.15
(3,491)	1:56:A:ALA:HB1	1:58:A:THR:H	8	0.15
(3,491)	1:56:A:ALA:HB2	1:58:A:THR:H	8	0.15
(3,491)	1:56:A:ALA:HB3	1:58:A:THR:H	8	0.15
(3,485)	1:143:A:LEU:HD21	1:144:A:ALA:H	19	0.15
(3,485)	1:143:A:LEU:HD22	1:144:A:ALA:H	19	0.15
(3,485)	1:143:A:LEU:HD23	1:144:A:ALA:H	19	0.15
(3,467)	1:78:A:LYS:HB3	1:79:A:VAL:H	12	0.15
(3,439)	1:124:A:LEU:H	1:124:A:LEU:HG	20	0.15
(3,415)	1:137:A:SER:HA	1:140:A:LEU:H	11	0.15
(3,409)	1:109:A:PHE:HD1	1:132:A:TYR:H	16	0.15
(3,409)	1:109:A:PHE:HD2	1:132:A:TYR:H	16	0.15
(3,408)	1:129:A:VAL:HG21	1:132:A:TYR:H	2	0.15
(3,408)	1:129:A:VAL:HG22	1:132:A:TYR:H	2	0.15
(3,408)	1:129:A:VAL:HG23	1:132:A:TYR:H	2	0.15
(3,408)	1:129:A:VAL:HG21	1:132:A:TYR:H	3	0.15
(3,408)	1:129:A:VAL:HG22	1:132:A:TYR:H	3	0.15
(3,408)	1:129:A:VAL:HG23	1:132:A:TYR:H	3	0.15
(3,408)	1:129:A:VAL:HG21	1:132:A:TYR:H	7	0.15
(3,408)	1:129:A:VAL:HG22	1:132:A:TYR:H	7	0.15
(3,408)	1:129:A:VAL:HG23	1:132:A:TYR:H	7	0.15
(3,386)	1:79:A:VAL:HG21	1:80:A:LYS:H	10	0.15
(3,386)	1:79:A:VAL:HG22	1:80:A:LYS:H	10	0.15
(3,386)	1:79:A:VAL:HG23	1:80:A:LYS:H	10	0.15
(3,373)	1:26:A:LEU:H	1:27:A:GLN:HB2	12	0.15
(3,373)	1:26:A:LEU:H	1:27:A:GLN:HB3	12	0.15
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG11	17	0.15
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG12	17	0.15
(3,364)	1:121:A:VAL:H	1:129:A:VAL:HG13	17	0.15
(3,355)	1:27:A:GLN:HG2	1:28:A:ARG:H	4	0.15
(3,355)	1:27:A:GLN:HG3	1:28:A:ARG:H	4	0.15
(3,225)	1:31:A:GLU:H	1:31:A:GLU:HG3	16	0.15
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG11	20	0.15
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG12	20	0.15
(3,210)	1:123:A:ASP:H	1:129:A:VAL:HG13	20	0.15
(3,196)	1:55:A:ILE:HD11	1:56:A:ALA:H	7	0.15
(3,196)	1:55:A:ILE:HD12	1:56:A:ALA:H	7	0.15
(3,196)	1:55:A:ILE:HD13	1:56:A:ALA:H	7	0.15
(3,193)	1:55:A:ILE:HG12	1:56:A:ALA:H	12	0.15
(3,193)	1:55:A:ILE:HG13	1:56:A:ALA:H	12	0.15
(3,191)	1:56:A:ALA:H	1:59:A:ILE:HB	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,167)	1:55:A:ILE:H	1:55:A:ILE:HG12	13	0.15
(3,167)	1:55:A:ILE:H	1:55:A:ILE:HG13	13	0.15
(3,153)	1:6:A:ILE:HA	1:8:A:ASP:H	13	0.15
(3,141)	1:56:A:ALA:HB1	1:59:A:ILE:H	7	0.15
(3,141)	1:56:A:ALA:HB2	1:59:A:ILE:H	7	0.15
(3,141)	1:56:A:ALA:HB3	1:59:A:ILE:H	7	0.15
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD11	5	0.15
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD12	5	0.15
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD13	5	0.15
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD21	18	0.15
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD22	18	0.15
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD23	18	0.15
(3,72)	1:45:A:VAL:HG21	1:46:A:ASP:H	3	0.15
(3,72)	1:45:A:VAL:HG22	1:46:A:ASP:H	3	0.15
(3,72)	1:45:A:VAL:HG23	1:46:A:ASP:H	3	0.15
(3,27)	1:129:A:VAL:H	1:129:A:VAL:HB	3	0.15
(3,27)	1:129:A:VAL:H	1:129:A:VAL:HB	20	0.15
(3,4)	1:104:A:VAL:HG11	1:130:A:GLU:H	11	0.15
(3,4)	1:104:A:VAL:HG12	1:130:A:GLU:H	11	0.15
(3,4)	1:104:A:VAL:HG13	1:130:A:GLU:H	11	0.15
(3,4)	1:104:A:VAL:HG21	1:130:A:GLU:H	11	0.15
(3,4)	1:104:A:VAL:HG22	1:130:A:GLU:H	11	0.15
(3,4)	1:104:A:VAL:HG23	1:130:A:GLU:H	11	0.15
(4,18)	1:94:A:ILE:H	1:108:A:ALA:O	10	0.14
(4,18)	1:94:A:ILE:H	1:108:A:ALA:O	15	0.14
(4,17)	1:94:A:ILE:N	1:108:A:ALA:O	8	0.14
(4,7)	1:107:A:VAL:N	1:130:A:GLU:O	16	0.14
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG21	19	0.14
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG22	19	0.14
(3,2170)	1:124:A:LEU:HB2	1:125:A:THR:HG23	19	0.14
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG21	19	0.14
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG22	19	0.14
(3,2170)	1:124:A:LEU:HB3	1:125:A:THR:HG23	19	0.14
(3,2163)	1:122:A:GLU:HG2	1:129:A:VAL:HG11	7	0.14
(3,2163)	1:122:A:GLU:HG2	1:129:A:VAL:HG12	7	0.14
(3,2163)	1:122:A:GLU:HG2	1:129:A:VAL:HG13	7	0.14
(3,2163)	1:122:A:GLU:HG3	1:129:A:VAL:HG11	7	0.14
(3,2163)	1:122:A:GLU:HG3	1:129:A:VAL:HG12	7	0.14
(3,2163)	1:122:A:GLU:HG3	1:129:A:VAL:HG13	7	0.14
(3,2070)	1:95:A:PRO:HB2	1:97:A:ALA:H	20	0.14
(3,2070)	1:95:A:PRO:HB3	1:97:A:ALA:H	20	0.14
(3,2066)	1:93:A:ALA:H	1:94:A:ILE:HG12	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2066)	1:93:A:ALA:H	1:94:A:ILE:HG13	14	0.14
(3,2056)	1:91:A:LEU:HD11	1:120:A:GLU:HB2	17	0.14
(3,2056)	1:91:A:LEU:HD11	1:120:A:GLU:HB3	17	0.14
(3,2056)	1:91:A:LEU:HD12	1:120:A:GLU:HB2	17	0.14
(3,2056)	1:91:A:LEU:HD12	1:120:A:GLU:HB3	17	0.14
(3,2056)	1:91:A:LEU:HD13	1:120:A:GLU:HB2	17	0.14
(3,2056)	1:91:A:LEU:HD13	1:120:A:GLU:HB3	17	0.14
(3,2050)	1:90:A:GLU:HB2	1:91:A:LEU:H	14	0.14
(3,2050)	1:90:A:GLU:HB3	1:91:A:LEU:H	14	0.14
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB2	7	0.14
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB3	7	0.14
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB2	18	0.14
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB3	18	0.14
(3,2034)	1:85:A:ALA:H	1:87:A:LYS:HB2	18	0.14
(3,2034)	1:85:A:ALA:H	1:87:A:LYS:HB3	18	0.14
(3,2027)	1:84:A:PRO:HB2	1:87:A:LYS:H	11	0.14
(3,2027)	1:84:A:PRO:HB3	1:87:A:LYS:H	11	0.14
(3,2016)	1:81:A:ALA:H	1:82:A:LEU:HB2	9	0.14
(3,2016)	1:81:A:ALA:H	1:82:A:LEU:HB3	9	0.14
(3,1928)	1:57:A:GLN:HB2	1:58:A:THR:HG21	7	0.14
(3,1928)	1:57:A:GLN:HB2	1:58:A:THR:HG22	7	0.14
(3,1928)	1:57:A:GLN:HB2	1:58:A:THR:HG23	7	0.14
(3,1928)	1:57:A:GLN:HB3	1:58:A:THR:HG21	7	0.14
(3,1928)	1:57:A:GLN:HB3	1:58:A:THR:HG22	7	0.14
(3,1928)	1:57:A:GLN:HB3	1:58:A:THR:HG23	7	0.14
(3,1924)	1:56:A:ALA:HA	1:133:A:GLN:HE21	19	0.14
(3,1924)	1:56:A:ALA:HA	1:133:A:GLN:HE22	19	0.14
(3,1917)	1:53:A:ARG:HA	1:53:A:ARG:HD2	9	0.14
(3,1917)	1:53:A:ARG:HA	1:53:A:ARG:HD3	9	0.14
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD11	5	0.14
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD12	5	0.14
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD13	5	0.14
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD11	5	0.14
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD12	5	0.14
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD13	5	0.14
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD11	7	0.14
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD12	7	0.14
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD13	7	0.14
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD11	7	0.14
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD12	7	0.14
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD13	7	0.14
(3,1874)	1:44:A:LEU:HB2	1:51:A:SER:H	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1874)	1:44:A:LEU:HB3	1:51:A:SER:H	16	0.14
(3,1871)	1:44:A:LEU:HB2	1:49:A:LEU:H	20	0.14
(3,1871)	1:44:A:LEU:HB3	1:49:A:LEU:H	20	0.14
(3,1846)	1:36:A:VAL:HG21	1:37:A:GLY:HA2	12	0.14
(3,1846)	1:36:A:VAL:HG21	1:37:A:GLY:HA3	12	0.14
(3,1846)	1:36:A:VAL:HG22	1:37:A:GLY:HA2	12	0.14
(3,1846)	1:36:A:VAL:HG22	1:37:A:GLY:HA3	12	0.14
(3,1846)	1:36:A:VAL:HG23	1:37:A:GLY:HA2	12	0.14
(3,1846)	1:36:A:VAL:HG23	1:37:A:GLY:HA3	12	0.14
(3,1846)	1:36:A:VAL:HG21	1:37:A:GLY:HA2	20	0.14
(3,1846)	1:36:A:VAL:HG21	1:37:A:GLY:HA3	20	0.14
(3,1846)	1:36:A:VAL:HG22	1:37:A:GLY:HA2	20	0.14
(3,1846)	1:36:A:VAL:HG22	1:37:A:GLY:HA3	20	0.14
(3,1846)	1:36:A:VAL:HG23	1:37:A:GLY:HA2	20	0.14
(3,1846)	1:36:A:VAL:HG23	1:37:A:GLY:HA3	20	0.14
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE21	3	0.14
(3,1798)	1:26:A:LEU:HD21	1:27:A:GLN:HE22	3	0.14
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE21	3	0.14
(3,1798)	1:26:A:LEU:HD22	1:27:A:GLN:HE22	3	0.14
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE21	3	0.14
(3,1798)	1:26:A:LEU:HD23	1:27:A:GLN:HE22	3	0.14
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB2	5	0.14
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB3	5	0.14
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB2	7	0.14
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB3	7	0.14
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB2	9	0.14
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB3	9	0.14
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB2	19	0.14
(3,1790)	1:22:A:THR:H	1:26:A:LEU:HB3	19	0.14
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB2	19	0.14
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB3	19	0.14
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB2	19	0.14
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB3	19	0.14
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB2	19	0.14
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB3	19	0.14
(3,1777)	1:19:A:GLY:HA2	1:21:A:LEU:HA	2	0.14
(3,1777)	1:19:A:GLY:HA3	1:21:A:LEU:HA	2	0.14
(3,1777)	1:19:A:GLY:HA2	1:21:A:LEU:HA	7	0.14
(3,1777)	1:19:A:GLY:HA3	1:21:A:LEU:HA	7	0.14
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD21	3	0.14
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD22	3	0.14
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD23	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD21	3	0.14
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD22	3	0.14
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD23	3	0.14
(3,1744)	1:11:A:LEU:HB2	1:12:A:GLY:H	8	0.14
(3,1744)	1:11:A:LEU:HB3	1:12:A:GLY:H	8	0.14
(3,1744)	1:11:A:LEU:HB2	1:12:A:GLY:H	9	0.14
(3,1744)	1:11:A:LEU:HB3	1:12:A:GLY:H	9	0.14
(3,1738)	1:10:A:ARG:HB2	1:13:A:ALA:H	6	0.14
(3,1738)	1:10:A:ARG:HB3	1:13:A:ALA:H	6	0.14
(3,1707)	1:6:A:ILE:HG21	1:7:A:GLY:HA2	17	0.14
(3,1707)	1:6:A:ILE:HG21	1:7:A:GLY:HA3	17	0.14
(3,1707)	1:6:A:ILE:HG22	1:7:A:GLY:HA2	17	0.14
(3,1707)	1:6:A:ILE:HG22	1:7:A:GLY:HA3	17	0.14
(3,1707)	1:6:A:ILE:HG23	1:7:A:GLY:HA2	17	0.14
(3,1707)	1:6:A:ILE:HG23	1:7:A:GLY:HA3	17	0.14
(3,1696)	1:4:A:LEU:H	1:8:A:ASP:HB2	9	0.14
(3,1696)	1:4:A:LEU:H	1:8:A:ASP:HB3	9	0.14
(3,1695)	1:150:A:LEU:HA	1:150:A:LEU:HD21	17	0.14
(3,1695)	1:150:A:LEU:HA	1:150:A:LEU:HD22	17	0.14
(3,1695)	1:150:A:LEU:HA	1:150:A:LEU:HD23	17	0.14
(3,1687)	1:44:A:LEU:HG	1:50:A:LEU:HD11	18	0.14
(3,1687)	1:44:A:LEU:HG	1:50:A:LEU:HD12	18	0.14
(3,1687)	1:44:A:LEU:HG	1:50:A:LEU:HD13	18	0.14
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG21	3	0.14
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG22	3	0.14
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG23	3	0.14
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG21	17	0.14
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG22	17	0.14
(3,1674)	1:118:A:LEU:HG	1:129:A:VAL:HG23	17	0.14
(3,1644)	1:113:A:LEU:HD21	1:114:A:ASP:H	20	0.14
(3,1644)	1:113:A:LEU:HD22	1:114:A:ASP:H	20	0.14
(3,1644)	1:113:A:LEU:HD23	1:114:A:ASP:H	20	0.14
(3,1613)	1:105:A:VAL:HG11	1:129:A:VAL:HA	20	0.14
(3,1613)	1:105:A:VAL:HG12	1:129:A:VAL:HA	20	0.14
(3,1613)	1:105:A:VAL:HG13	1:129:A:VAL:HA	20	0.14
(3,1493)	1:107:A:VAL:HG11	1:118:A:LEU:HG	3	0.14
(3,1493)	1:107:A:VAL:HG12	1:118:A:LEU:HG	3	0.14
(3,1493)	1:107:A:VAL:HG13	1:118:A:LEU:HG	3	0.14
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD11	18	0.14
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD12	18	0.14
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD13	18	0.14
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG21	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG22	20	0.14
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG23	20	0.14
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG21	20	0.14
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG22	20	0.14
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG23	20	0.14
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG21	20	0.14
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG22	20	0.14
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG23	20	0.14
(3,1454)	1:67:A:LEU:HD11	1:133:A:GLN:HG2	4	0.14
(3,1454)	1:67:A:LEU:HD11	1:133:A:GLN:HG3	4	0.14
(3,1454)	1:67:A:LEU:HD12	1:133:A:GLN:HG2	4	0.14
(3,1454)	1:67:A:LEU:HD12	1:133:A:GLN:HG3	4	0.14
(3,1454)	1:67:A:LEU:HD13	1:133:A:GLN:HG2	4	0.14
(3,1454)	1:67:A:LEU:HD13	1:133:A:GLN:HG3	4	0.14
(3,1405)	1:70:A:LEU:HD11	1:108:A:ALA:HB1	15	0.14
(3,1405)	1:70:A:LEU:HD11	1:108:A:ALA:HB2	15	0.14
(3,1405)	1:70:A:LEU:HD11	1:108:A:ALA:HB3	15	0.14
(3,1405)	1:70:A:LEU:HD12	1:108:A:ALA:HB1	15	0.14
(3,1405)	1:70:A:LEU:HD12	1:108:A:ALA:HB2	15	0.14
(3,1405)	1:70:A:LEU:HD12	1:108:A:ALA:HB3	15	0.14
(3,1405)	1:70:A:LEU:HD13	1:108:A:ALA:HB1	15	0.14
(3,1405)	1:70:A:LEU:HD13	1:108:A:ALA:HB2	15	0.14
(3,1405)	1:70:A:LEU:HD13	1:108:A:ALA:HB3	15	0.14
(3,1391)	1:106:A:ARG:HA	1:130:A:GLU:HG2	9	0.14
(3,1391)	1:106:A:ARG:HA	1:130:A:GLU:HG3	9	0.14
(3,1372)	1:97:A:ALA:HB1	1:98:A:LEU:HD21	11	0.14
(3,1372)	1:97:A:ALA:HB1	1:98:A:LEU:HD22	11	0.14
(3,1372)	1:97:A:ALA:HB1	1:98:A:LEU:HD23	11	0.14
(3,1372)	1:97:A:ALA:HB2	1:98:A:LEU:HD21	11	0.14
(3,1372)	1:97:A:ALA:HB2	1:98:A:LEU:HD22	11	0.14
(3,1372)	1:97:A:ALA:HB2	1:98:A:LEU:HD23	11	0.14
(3,1372)	1:97:A:ALA:HB3	1:98:A:LEU:HD21	11	0.14
(3,1372)	1:97:A:ALA:HB3	1:98:A:LEU:HD22	11	0.14
(3,1372)	1:97:A:ALA:HB3	1:98:A:LEU:HD23	11	0.14
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG21	6	0.14
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG22	6	0.14
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG23	6	0.14
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG21	4	0.14
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG22	4	0.14
(3,1328)	1:6:A:ILE:HG21	1:115:A:THR:HG23	4	0.14
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG21	4	0.14
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG22	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1328)	1:6:A:ILE:HG22	1:115:A:THR:HG23	4	0.14
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG21	4	0.14
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG22	4	0.14
(3,1328)	1:6:A:ILE:HG23	1:115:A:THR:HG23	4	0.14
(3,1310)	1:55:A:ILE:HG21	1:58:A:THR:HB	7	0.14
(3,1310)	1:55:A:ILE:HG22	1:58:A:THR:HB	7	0.14
(3,1310)	1:55:A:ILE:HG23	1:58:A:THR:HB	7	0.14
(3,1264)	1:2:A:SER:HB2	1:3:A:VAL:HG21	14	0.14
(3,1264)	1:2:A:SER:HB2	1:3:A:VAL:HG22	14	0.14
(3,1264)	1:2:A:SER:HB2	1:3:A:VAL:HG23	14	0.14
(3,1264)	1:2:A:SER:HB3	1:3:A:VAL:HG21	14	0.14
(3,1264)	1:2:A:SER:HB3	1:3:A:VAL:HG22	14	0.14
(3,1264)	1:2:A:SER:HB3	1:3:A:VAL:HG23	14	0.14
(3,1254)	1:134:A:THR:HG21	1:138:A:ALA:HB1	13	0.14
(3,1254)	1:134:A:THR:HG21	1:138:A:ALA:HB2	13	0.14
(3,1254)	1:134:A:THR:HG21	1:138:A:ALA:HB3	13	0.14
(3,1254)	1:134:A:THR:HG22	1:138:A:ALA:HB1	13	0.14
(3,1254)	1:134:A:THR:HG22	1:138:A:ALA:HB2	13	0.14
(3,1254)	1:134:A:THR:HG22	1:138:A:ALA:HB3	13	0.14
(3,1254)	1:134:A:THR:HG23	1:138:A:ALA:HB1	13	0.14
(3,1254)	1:134:A:THR:HG23	1:138:A:ALA:HB2	13	0.14
(3,1254)	1:134:A:THR:HG23	1:138:A:ALA:HB3	13	0.14
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG2	20	0.14
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG3	20	0.14
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG2	20	0.14
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG3	20	0.14
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG2	20	0.14
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG3	20	0.14
(3,1184)	1:45:A:VAL:HB	1:46:A:ASP:H	20	0.14
(3,1116)	1:41:A:ALA:HB1	1:55:A:ILE:HG12	19	0.14
(3,1116)	1:41:A:ALA:HB1	1:55:A:ILE:HG13	19	0.14
(3,1116)	1:41:A:ALA:HB2	1:55:A:ILE:HG12	19	0.14
(3,1116)	1:41:A:ALA:HB2	1:55:A:ILE:HG13	19	0.14
(3,1116)	1:41:A:ALA:HB3	1:55:A:ILE:HG12	19	0.14
(3,1116)	1:41:A:ALA:HB3	1:55:A:ILE:HG13	19	0.14
(3,1099)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	10	0.14
(3,1099)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	10	0.14
(3,1099)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	10	0.14
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD11	11	0.14
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD12	11	0.14
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD13	11	0.14
(3,995)	1:96:A:PHE:H	1:107:A:VAL:H	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,986)	1:43:A:VAL:HB	1:46:A:ASP:H	11	0.14
(3,973)	1:30:A:LEU:H	1:33:A:HIS:H	11	0.14
(3,971)	1:23:A:ASP:HB2	1:25:A:GLU:H	11	0.14
(3,971)	1:23:A:ASP:HB3	1:25:A:GLU:H	11	0.14
(3,952)	1:70:A:LEU:HD21	1:73:A:VAL:H	8	0.14
(3,952)	1:70:A:LEU:HD22	1:73:A:VAL:H	8	0.14
(3,952)	1:70:A:LEU:HD23	1:73:A:VAL:H	8	0.14
(3,897)	1:105:A:VAL:HG21	1:125:A:THR:H	10	0.14
(3,897)	1:105:A:VAL:HG22	1:125:A:THR:H	10	0.14
(3,897)	1:105:A:VAL:HG23	1:125:A:THR:H	10	0.14
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD21	3	0.14
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD22	3	0.14
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD23	3	0.14
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD21	7	0.14
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD22	7	0.14
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD23	7	0.14
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG21	8	0.14
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG22	8	0.14
(3,870)	1:105:A:VAL:H	1:128:A:VAL:HG23	8	0.14
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD11	2	0.14
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD12	2	0.14
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD13	2	0.14
(3,822)	1:68:A:VAL:H	1:132:A:TYR:HD1	13	0.14
(3,822)	1:68:A:VAL:H	1:132:A:TYR:HD2	13	0.14
(3,811)	1:62:A:ARG:H	1:64:A:GLY:H	3	0.14
(3,811)	1:62:A:ARG:H	1:64:A:GLY:H	4	0.14
(3,811)	1:62:A:ARG:H	1:64:A:GLY:H	16	0.14
(3,772)	1:34:A:ARG:H	1:36:A:VAL:H	10	0.14
(3,756)	1:27:A:GLN:HB2	1:29:A:ALA:H	4	0.14
(3,756)	1:27:A:GLN:HB3	1:29:A:ALA:H	4	0.14
(3,725)	1:15:A:LEU:H	1:58:A:THR:HG21	2	0.14
(3,725)	1:15:A:LEU:H	1:58:A:THR:HG22	2	0.14
(3,725)	1:15:A:LEU:H	1:58:A:THR:HG23	2	0.14
(3,719)	1:10:A:ARG:HA	1:12:A:GLY:H	12	0.14
(3,712)	1:4:A:LEU:HD11	1:8:A:ASP:H	11	0.14
(3,712)	1:4:A:LEU:HD12	1:8:A:ASP:H	11	0.14
(3,712)	1:4:A:LEU:HD13	1:8:A:ASP:H	11	0.14
(3,712)	1:4:A:LEU:HD11	1:8:A:ASP:H	19	0.14
(3,712)	1:4:A:LEU:HD12	1:8:A:ASP:H	19	0.14
(3,712)	1:4:A:LEU:HD13	1:8:A:ASP:H	19	0.14
(3,711)	1:6:A:ILE:HG21	1:8:A:ASP:H	2	0.14
(3,711)	1:6:A:ILE:HG22	1:8:A:ASP:H	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,711)	1:6:A:ILE:HG23	1:8:A:ASP:H	2	0.14
(3,710)	1:7:A:GLY:H	1:115:A:THR:HB	3	0.14
(3,710)	1:7:A:GLY:H	1:115:A:THR:HB	11	0.14
(3,705)	1:2:A:SER:H	1:3:A:VAL:HA	4	0.14
(3,705)	1:2:A:SER:H	1:3:A:VAL:HA	14	0.14
(3,680)	1:6:A:ILE:HG21	1:7:A:GLY:H	1	0.14
(3,680)	1:6:A:ILE:HG22	1:7:A:GLY:H	1	0.14
(3,680)	1:6:A:ILE:HG23	1:7:A:GLY:H	1	0.14
(3,647)	1:126:A:GLY:H	1:127:A:LEU:HG	14	0.14
(3,646)	1:36:A:VAL:HB	1:37:A:GLY:H	12	0.14
(3,644)	1:36:A:VAL:HG11	1:37:A:GLY:H	15	0.14
(3,644)	1:36:A:VAL:HG12	1:37:A:GLY:H	15	0.14
(3,644)	1:36:A:VAL:HG13	1:37:A:GLY:H	15	0.14
(3,638)	1:84:A:PRO:HB3	1:86:A:GLU:H	2	0.14
(3,638)	1:84:A:PRO:HB3	1:86:A:GLU:H	14	0.14
(3,638)	1:84:A:PRO:HB3	1:86:A:GLU:H	16	0.14
(3,638)	1:84:A:PRO:HB3	1:86:A:GLU:H	17	0.14
(3,589)	1:96:A:PHE:H	1:106:A:ARG:HA	9	0.14
(3,577)	1:44:A:LEU:HB2	1:50:A:LEU:H	19	0.14
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD21	7	0.14
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD22	7	0.14
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD23	7	0.14
(3,509)	1:91:A:LEU:H	1:91:A:LEU:HD21	15	0.14
(3,509)	1:91:A:LEU:H	1:91:A:LEU:HD22	15	0.14
(3,509)	1:91:A:LEU:H	1:91:A:LEU:HD23	15	0.14
(3,491)	1:56:A:ALA:HB1	1:58:A:THR:H	2	0.14
(3,491)	1:56:A:ALA:HB2	1:58:A:THR:H	2	0.14
(3,491)	1:56:A:ALA:HB3	1:58:A:THR:H	2	0.14
(3,485)	1:143:A:LEU:HD21	1:144:A:ALA:H	4	0.14
(3,485)	1:143:A:LEU:HD22	1:144:A:ALA:H	4	0.14
(3,485)	1:143:A:LEU:HD23	1:144:A:ALA:H	4	0.14
(3,457)	1:26:A:LEU:HD21	1:27:A:GLN:H	6	0.14
(3,457)	1:26:A:LEU:HD22	1:27:A:GLN:H	6	0.14
(3,457)	1:26:A:LEU:HD23	1:27:A:GLN:H	6	0.14
(3,453)	1:17:A:ASP:HB2	1:18:A:ALA:H	7	0.14
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD21	4	0.14
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD22	4	0.14
(3,446)	1:18:A:ALA:H	1:20:A:LEU:HD23	4	0.14
(3,437)	1:121:A:VAL:HA	1:124:A:LEU:H	5	0.14
(3,425)	1:132:A:TYR:HE1	1:133:A:GLN:H	11	0.14
(3,425)	1:132:A:TYR:HE2	1:133:A:GLN:H	11	0.14
(3,409)	1:109:A:PHE:HD1	1:132:A:TYR:H	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,409)	1:109:A:PHE:HD2	1:132:A:TYR:H	6	0.14
(3,385)	1:75:A:ILE:HG21	1:80:A:LYS:H	9	0.14
(3,385)	1:75:A:ILE:HG22	1:80:A:LYS:H	9	0.14
(3,385)	1:75:A:ILE:HG23	1:80:A:LYS:H	9	0.14
(3,362)	1:32:A:ARG:HA	1:34:A:ARG:H	1	0.14
(3,338)	1:57:A:GLN:H	1:58:A:THR:HB	15	0.14
(3,337)	1:112:A:PRO:HG2	1:114:A:ASP:H	8	0.14
(3,337)	1:112:A:PRO:HG3	1:114:A:ASP:H	8	0.14
(3,321)	1:101:A:GLU:HG2	1:102:A:ALA:H	4	0.14
(3,321)	1:101:A:GLU:HG3	1:102:A:ALA:H	4	0.14
(3,321)	1:101:A:GLU:HG2	1:102:A:ALA:H	12	0.14
(3,321)	1:101:A:GLU:HG3	1:102:A:ALA:H	12	0.14
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD11	14	0.14
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD12	14	0.14
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD13	14	0.14
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD11	17	0.14
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD12	17	0.14
(3,320)	1:41:A:ALA:H	1:44:A:LEU:HD13	17	0.14
(3,316)	1:11:A:LEU:HG	1:41:A:ALA:H	13	0.14
(3,302)	1:33:A:HIS:H	1:43:A:VAL:HG21	13	0.14
(3,302)	1:33:A:HIS:H	1:43:A:VAL:HG22	13	0.14
(3,302)	1:33:A:HIS:H	1:43:A:VAL:HG23	13	0.14
(3,283)	1:143:A:LEU:H	1:143:A:LEU:HG	10	0.14
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG21	6	0.14
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG22	6	0.14
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG23	6	0.14
(3,250)	1:16:A:LEU:H	1:17:A:ASP:HB2	3	0.14
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG21	10	0.14
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG22	10	0.14
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG23	10	0.14
(3,223)	1:109:A:PHE:H	1:133:A:GLN:HG2	1	0.14
(3,223)	1:109:A:PHE:H	1:133:A:GLN:HG3	1	0.14
(3,220)	1:30:A:LEU:HG	1:31:A:GLU:H	2	0.14
(3,196)	1:55:A:ILE:HD11	1:56:A:ALA:H	17	0.14
(3,196)	1:55:A:ILE:HD12	1:56:A:ALA:H	17	0.14
(3,196)	1:55:A:ILE:HD13	1:56:A:ALA:H	17	0.14
(3,169)	1:55:A:ILE:H	1:55:A:ILE:HD11	15	0.14
(3,169)	1:55:A:ILE:H	1:55:A:ILE:HD12	15	0.14
(3,169)	1:55:A:ILE:H	1:55:A:ILE:HD13	15	0.14
(3,167)	1:55:A:ILE:H	1:55:A:ILE:HG12	7	0.14
(3,167)	1:55:A:ILE:H	1:55:A:ILE:HG13	7	0.14
(3,141)	1:56:A:ALA:HB1	1:59:A:ILE:H	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,141)	1:56:A:ALA:HB2	1:59:A:ILE:H	6	0.14
(3,141)	1:56:A:ALA:HB3	1:59:A:ILE:H	6	0.14
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD11	10	0.14
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD12	10	0.14
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD13	10	0.14
(3,108)	1:88:A:ALA:HB1	1:93:A:ALA:H	9	0.14
(3,108)	1:88:A:ALA:HB2	1:93:A:ALA:H	9	0.14
(3,108)	1:88:A:ALA:HB3	1:93:A:ALA:H	9	0.14
(3,72)	1:45:A:VAL:HG21	1:46:A:ASP:H	16	0.14
(3,72)	1:45:A:VAL:HG22	1:46:A:ASP:H	16	0.14
(3,72)	1:45:A:VAL:HG23	1:46:A:ASP:H	16	0.14
(3,33)	1:99:A:ASP:H	1:105:A:VAL:HB	12	0.14
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG21	10	0.14
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG22	10	0.14
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG23	10	0.14
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG21	14	0.14
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG22	14	0.14
(3,14)	1:106:A:ARG:H	1:129:A:VAL:HG23	14	0.14
(3,4)	1:104:A:VAL:HG11	1:130:A:GLU:H	8	0.14
(3,4)	1:104:A:VAL:HG12	1:130:A:GLU:H	8	0.14
(3,4)	1:104:A:VAL:HG13	1:130:A:GLU:H	8	0.14
(3,4)	1:104:A:VAL:HG21	1:130:A:GLU:H	8	0.14
(3,4)	1:104:A:VAL:HG22	1:130:A:GLU:H	8	0.14
(3,4)	1:104:A:VAL:HG23	1:130:A:GLU:H	8	0.14
(2,1)	1:109:A:PHE:H	1:134:A:THR:HB	14	0.14
(4,19)	1:94:A:ILE:O	1:108:A:ALA:N	19	0.13
(4,16)	1:109:A:PHE:H	1:132:A:TYR:O	11	0.13
(4,15)	1:109:A:PHE:N	1:132:A:TYR:O	14	0.13
(4,4)	1:105:A:VAL:H	1:128:A:VAL:O	2	0.13
(4,2)	1:103:A:GLY:O	1:128:A:VAL:H	16	0.13
(4,2)	1:103:A:GLY:O	1:128:A:VAL:H	17	0.13
(4,1)	1:103:A:GLY:O	1:128:A:VAL:N	17	0.13
(3,2197)	1:140:A:LEU:HB2	1:144:A:ALA:H	17	0.13
(3,2197)	1:140:A:LEU:HB3	1:144:A:ALA:H	17	0.13
(3,2182)	1:135:A:THR:H	1:139:A:PHE:HB2	6	0.13
(3,2182)	1:135:A:THR:H	1:139:A:PHE:HB3	6	0.13
(3,2157)	1:122:A:GLU:HB2	1:124:A:LEU:H	16	0.13
(3,2157)	1:122:A:GLU:HB3	1:124:A:LEU:H	16	0.13
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG21	17	0.13
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG22	17	0.13
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG23	17	0.13
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG21	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG22	17	0.13
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG23	17	0.13
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG21	18	0.13
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG22	18	0.13
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG23	18	0.13
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG21	18	0.13
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG22	18	0.13
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG23	18	0.13
(3,2080)	1:98:A:LEU:HB2	1:99:A:ASP:H	9	0.13
(3,2080)	1:98:A:LEU:HB3	1:99:A:ASP:H	9	0.13
(3,2073)	1:96:A:PHE:HB2	1:108:A:ALA:H	13	0.13
(3,2073)	1:96:A:PHE:HB3	1:108:A:ALA:H	13	0.13
(3,2058)	1:91:A:LEU:HD21	1:120:A:GLU:HB2	9	0.13
(3,2058)	1:91:A:LEU:HD21	1:120:A:GLU:HB3	9	0.13
(3,2058)	1:91:A:LEU:HD22	1:120:A:GLU:HB2	9	0.13
(3,2058)	1:91:A:LEU:HD22	1:120:A:GLU:HB3	9	0.13
(3,2058)	1:91:A:LEU:HD23	1:120:A:GLU:HB2	9	0.13
(3,2058)	1:91:A:LEU:HD23	1:120:A:GLU:HB3	9	0.13
(3,2035)	1:85:A:ALA:HB1	1:147:A:TYR:HB2	3	0.13
(3,2035)	1:85:A:ALA:HB1	1:147:A:TYR:HB3	3	0.13
(3,2035)	1:85:A:ALA:HB2	1:147:A:TYR:HB2	3	0.13
(3,2035)	1:85:A:ALA:HB2	1:147:A:TYR:HB3	3	0.13
(3,2035)	1:85:A:ALA:HB3	1:147:A:TYR:HB2	3	0.13
(3,2035)	1:85:A:ALA:HB3	1:147:A:TYR:HB3	3	0.13
(3,2034)	1:85:A:ALA:H	1:87:A:LYS:HB2	10	0.13
(3,2034)	1:85:A:ALA:H	1:87:A:LYS:HB3	10	0.13
(3,2027)	1:84:A:PRO:HB2	1:87:A:LYS:H	7	0.13
(3,2027)	1:84:A:PRO:HB3	1:87:A:LYS:H	7	0.13
(3,2027)	1:84:A:PRO:HB2	1:87:A:LYS:H	17	0.13
(3,2027)	1:84:A:PRO:HB3	1:87:A:LYS:H	17	0.13
(3,2000)	1:74:A:GLU:HG2	1:75:A:ILE:H	17	0.13
(3,2000)	1:74:A:GLU:HG3	1:75:A:ILE:H	17	0.13
(3,1982)	1:68:A:VAL:H	1:132:A:TYR:HB2	5	0.13
(3,1982)	1:68:A:VAL:H	1:132:A:TYR:HB3	5	0.13
(3,1953)	1:60:A:GLU:HG2	1:65:A:ILE:H	18	0.13
(3,1953)	1:60:A:GLU:HG3	1:65:A:ILE:H	18	0.13
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB2	8	0.13
(3,1921)	1:56:A:ALA:H	1:57:A:GLN:HB3	8	0.13
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB2	4	0.13
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB3	4	0.13
(3,1914)	1:51:A:SER:HB2	1:53:A:ARG:HA	19	0.13
(3,1914)	1:51:A:SER:HB3	1:53:A:ARG:HA	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD11	11	0.13
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD12	11	0.13
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD13	11	0.13
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD11	11	0.13
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD12	11	0.13
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD13	11	0.13
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD11	19	0.13
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD12	19	0.13
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD13	19	0.13
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD11	19	0.13
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD12	19	0.13
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD13	19	0.13
(3,1880)	1:45:A:VAL:HA	1:51:A:SER:HB2	19	0.13
(3,1880)	1:45:A:VAL:HA	1:51:A:SER:HB3	19	0.13
(3,1874)	1:44:A:LEU:HB2	1:51:A:SER:H	9	0.13
(3,1874)	1:44:A:LEU:HB3	1:51:A:SER:H	9	0.13
(3,1874)	1:44:A:LEU:HB2	1:51:A:SER:H	11	0.13
(3,1874)	1:44:A:LEU:HB3	1:51:A:SER:H	11	0.13
(3,1846)	1:36:A:VAL:HG21	1:37:A:GLY:HA2	1	0.13
(3,1846)	1:36:A:VAL:HG21	1:37:A:GLY:HA3	1	0.13
(3,1846)	1:36:A:VAL:HG22	1:37:A:GLY:HA2	1	0.13
(3,1846)	1:36:A:VAL:HG22	1:37:A:GLY:HA3	1	0.13
(3,1846)	1:36:A:VAL:HG23	1:37:A:GLY:HA2	1	0.13
(3,1846)	1:36:A:VAL:HG23	1:37:A:GLY:HA3	1	0.13
(3,1846)	1:36:A:VAL:HG21	1:37:A:GLY:HA2	8	0.13
(3,1846)	1:36:A:VAL:HG21	1:37:A:GLY:HA3	8	0.13
(3,1846)	1:36:A:VAL:HG22	1:37:A:GLY:HA2	8	0.13
(3,1846)	1:36:A:VAL:HG22	1:37:A:GLY:HA3	8	0.13
(3,1846)	1:36:A:VAL:HG23	1:37:A:GLY:HA2	8	0.13
(3,1846)	1:36:A:VAL:HG23	1:37:A:GLY:HA3	8	0.13
(3,1807)	1:30:A:LEU:H	1:31:A:GLU:HG2	16	0.13
(3,1807)	1:30:A:LEU:H	1:31:A:GLU:HG3	16	0.13
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG2	16	0.13
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG3	16	0.13
(3,1803)	1:29:A:ALA:H	1:30:A:LEU:HB2	13	0.13
(3,1803)	1:29:A:ALA:H	1:30:A:LEU:HB3	13	0.13
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB2	14	0.13
(3,1788)	1:21:A:LEU:HD21	1:26:A:LEU:HB3	14	0.13
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB2	14	0.13
(3,1788)	1:21:A:LEU:HD22	1:26:A:LEU:HB3	14	0.13
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB2	14	0.13
(3,1788)	1:21:A:LEU:HD23	1:26:A:LEU:HB3	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1784)	1:21:A:LEU:HB2	1:25:A:GLU:H	12	0.13
(3,1784)	1:21:A:LEU:HB3	1:25:A:GLU:H	12	0.13
(3,1783)	1:21:A:LEU:HB2	1:22:A:THR:HA	12	0.13
(3,1783)	1:21:A:LEU:HB3	1:22:A:THR:HA	12	0.13
(3,1644)	1:113:A:LEU:HD21	1:114:A:ASP:H	3	0.13
(3,1644)	1:113:A:LEU:HD22	1:114:A:ASP:H	3	0.13
(3,1644)	1:113:A:LEU:HD23	1:114:A:ASP:H	3	0.13
(3,1644)	1:113:A:LEU:HD21	1:114:A:ASP:H	9	0.13
(3,1644)	1:113:A:LEU:HD22	1:114:A:ASP:H	9	0.13
(3,1644)	1:113:A:LEU:HD23	1:114:A:ASP:H	9	0.13
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD11	20	0.13
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD12	20	0.13
(3,1600)	1:121:A:VAL:HG11	1:124:A:LEU:HD13	20	0.13
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD11	20	0.13
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD12	20	0.13
(3,1600)	1:121:A:VAL:HG12	1:124:A:LEU:HD13	20	0.13
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD11	20	0.13
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD12	20	0.13
(3,1600)	1:121:A:VAL:HG13	1:124:A:LEU:HD13	20	0.13
(3,1596)	1:83:A:LEU:HD21	1:125:A:THR:HB	17	0.13
(3,1596)	1:83:A:LEU:HD22	1:125:A:THR:HB	17	0.13
(3,1596)	1:83:A:LEU:HD23	1:125:A:THR:HB	17	0.13
(3,1568)	1:70:A:LEU:HD21	1:108:A:ALA:HB1	13	0.13
(3,1568)	1:70:A:LEU:HD21	1:108:A:ALA:HB2	13	0.13
(3,1568)	1:70:A:LEU:HD21	1:108:A:ALA:HB3	13	0.13
(3,1568)	1:70:A:LEU:HD22	1:108:A:ALA:HB1	13	0.13
(3,1568)	1:70:A:LEU:HD22	1:108:A:ALA:HB2	13	0.13
(3,1568)	1:70:A:LEU:HD22	1:108:A:ALA:HB3	13	0.13
(3,1568)	1:70:A:LEU:HD23	1:108:A:ALA:HB1	13	0.13
(3,1568)	1:70:A:LEU:HD23	1:108:A:ALA:HB2	13	0.13
(3,1568)	1:70:A:LEU:HD23	1:108:A:ALA:HB3	13	0.13
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG21	16	0.13
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG22	16	0.13
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG23	16	0.13
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG21	16	0.13
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG22	16	0.13
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG23	16	0.13
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG21	16	0.13
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG22	16	0.13
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG23	16	0.13
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG21	18	0.13
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG22	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG23	18	0.13
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG21	18	0.13
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG22	18	0.13
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG23	18	0.13
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG21	18	0.13
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG22	18	0.13
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG23	18	0.13
(3,1523)	1:30:A:LEU:HG	1:40:A:LEU:HD21	14	0.13
(3,1523)	1:30:A:LEU:HG	1:40:A:LEU:HD22	14	0.13
(3,1523)	1:30:A:LEU:HG	1:40:A:LEU:HD23	14	0.13
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD11	1	0.13
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD12	1	0.13
(3,1489)	1:125:A:THR:HB	1:127:A:LEU:HD13	1	0.13
(3,1465)	1:65:A:ILE:HG21	1:66:A:PRO:HG2	11	0.13
(3,1465)	1:65:A:ILE:HG21	1:66:A:PRO:HG3	11	0.13
(3,1465)	1:65:A:ILE:HG22	1:66:A:PRO:HG2	11	0.13
(3,1465)	1:65:A:ILE:HG22	1:66:A:PRO:HG3	11	0.13
(3,1465)	1:65:A:ILE:HG23	1:66:A:PRO:HG2	11	0.13
(3,1465)	1:65:A:ILE:HG23	1:66:A:PRO:HG3	11	0.13
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG21	5	0.13
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG22	5	0.13
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG23	5	0.13
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG21	5	0.13
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG22	5	0.13
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG23	5	0.13
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG21	5	0.13
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG22	5	0.13
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG23	5	0.13
(3,1454)	1:67:A:LEU:HD11	1:133:A:GLN:HG2	13	0.13
(3,1454)	1:67:A:LEU:HD11	1:133:A:GLN:HG3	13	0.13
(3,1454)	1:67:A:LEU:HD12	1:133:A:GLN:HG2	13	0.13
(3,1454)	1:67:A:LEU:HD12	1:133:A:GLN:HG3	13	0.13
(3,1454)	1:67:A:LEU:HD13	1:133:A:GLN:HG2	13	0.13
(3,1454)	1:67:A:LEU:HD13	1:133:A:GLN:HG3	13	0.13
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG21	18	0.13
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG22	18	0.13
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG23	18	0.13
(3,1406)	1:68:A:VAL:HG21	1:108:A:ALA:HB1	3	0.13
(3,1406)	1:68:A:VAL:HG21	1:108:A:ALA:HB2	3	0.13
(3,1406)	1:68:A:VAL:HG21	1:108:A:ALA:HB3	3	0.13
(3,1406)	1:68:A:VAL:HG22	1:108:A:ALA:HB1	3	0.13
(3,1406)	1:68:A:VAL:HG22	1:108:A:ALA:HB2	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1406)	1:68:A:VAL:HG22	1:108:A:ALA:HB3	3	0.13
(3,1406)	1:68:A:VAL:HG23	1:108:A:ALA:HB1	3	0.13
(3,1406)	1:68:A:VAL:HG23	1:108:A:ALA:HB2	3	0.13
(3,1406)	1:68:A:VAL:HG23	1:108:A:ALA:HB3	3	0.13
(3,1391)	1:106:A:ARG:HA	1:130:A:GLU:HG2	7	0.13
(3,1391)	1:106:A:ARG:HA	1:130:A:GLU:HG3	7	0.13
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD2	18	0.13
(3,1333)	1:50:A:LEU:HA	1:54:A:ARG:HD3	18	0.13
(3,1320)	1:6:A:ILE:HG21	1:115:A:THR:HB	9	0.13
(3,1320)	1:6:A:ILE:HG22	1:115:A:THR:HB	9	0.13
(3,1320)	1:6:A:ILE:HG23	1:115:A:THR:HB	9	0.13
(3,1318)	1:62:A:ARG:HA	1:62:A:ARG:HD2	6	0.13
(3,1317)	1:59:A:ILE:HG21	1:65:A:ILE:HG21	10	0.13
(3,1317)	1:59:A:ILE:HG21	1:65:A:ILE:HG22	10	0.13
(3,1317)	1:59:A:ILE:HG21	1:65:A:ILE:HG23	10	0.13
(3,1317)	1:59:A:ILE:HG22	1:65:A:ILE:HG21	10	0.13
(3,1317)	1:59:A:ILE:HG22	1:65:A:ILE:HG22	10	0.13
(3,1317)	1:59:A:ILE:HG22	1:65:A:ILE:HG23	10	0.13
(3,1317)	1:59:A:ILE:HG23	1:65:A:ILE:HG21	10	0.13
(3,1317)	1:59:A:ILE:HG23	1:65:A:ILE:HG22	10	0.13
(3,1317)	1:59:A:ILE:HG23	1:65:A:ILE:HG23	10	0.13
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG21	2	0.13
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG22	2	0.13
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG23	2	0.13
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG21	2	0.13
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG22	2	0.13
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG23	2	0.13
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG21	2	0.13
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG22	2	0.13
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG23	2	0.13
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG21	6	0.13
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG22	6	0.13
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG23	6	0.13
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG21	6	0.13
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG22	6	0.13
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG23	6	0.13
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG21	6	0.13
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG22	6	0.13
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG23	6	0.13
(3,1315)	1:59:A:ILE:HG21	1:65:A:ILE:HA	17	0.13
(3,1315)	1:59:A:ILE:HG22	1:65:A:ILE:HA	17	0.13
(3,1315)	1:59:A:ILE:HG23	1:65:A:ILE:HA	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1266)	1:2:A:SER:HB2	1:3:A:VAL:HA	4	0.13
(3,1266)	1:2:A:SER:HB3	1:3:A:VAL:HA	4	0.13
(3,1210)	1:59:A:ILE:HG21	1:133:A:GLN:HG2	1	0.13
(3,1210)	1:59:A:ILE:HG21	1:133:A:GLN:HG3	1	0.13
(3,1210)	1:59:A:ILE:HG22	1:133:A:GLN:HG2	1	0.13
(3,1210)	1:59:A:ILE:HG22	1:133:A:GLN:HG3	1	0.13
(3,1210)	1:59:A:ILE:HG23	1:133:A:GLN:HG2	1	0.13
(3,1210)	1:59:A:ILE:HG23	1:133:A:GLN:HG3	1	0.13
(3,1189)	1:50:A:LEU:HA	1:55:A:ILE:HD11	18	0.13
(3,1189)	1:50:A:LEU:HA	1:55:A:ILE:HD12	18	0.13
(3,1189)	1:50:A:LEU:HA	1:55:A:ILE:HD13	18	0.13
(3,1164)	1:11:A:LEU:HD11	1:14:A:ALA:HB1	11	0.13
(3,1164)	1:11:A:LEU:HD11	1:14:A:ALA:HB2	11	0.13
(3,1164)	1:11:A:LEU:HD11	1:14:A:ALA:HB3	11	0.13
(3,1164)	1:11:A:LEU:HD12	1:14:A:ALA:HB1	11	0.13
(3,1164)	1:11:A:LEU:HD12	1:14:A:ALA:HB2	11	0.13
(3,1164)	1:11:A:LEU:HD12	1:14:A:ALA:HB3	11	0.13
(3,1164)	1:11:A:LEU:HD13	1:14:A:ALA:HB1	11	0.13
(3,1164)	1:11:A:LEU:HD13	1:14:A:ALA:HB2	11	0.13
(3,1164)	1:11:A:LEU:HD13	1:14:A:ALA:HB3	11	0.13
(3,1156)	1:11:A:LEU:HD11	1:12:A:GLY:HA3	1	0.13
(3,1156)	1:11:A:LEU:HD12	1:12:A:GLY:HA3	1	0.13
(3,1156)	1:11:A:LEU:HD13	1:12:A:GLY:HA3	1	0.13
(3,1151)	1:116:A:LEU:HG	1:117:A:SER:H	10	0.13
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD11	17	0.13
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD12	17	0.13
(3,1083)	1:41:A:ALA:HB1	1:55:A:ILE:HD13	17	0.13
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD11	17	0.13
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD12	17	0.13
(3,1083)	1:41:A:ALA:HB2	1:55:A:ILE:HD13	17	0.13
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD11	17	0.13
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD12	17	0.13
(3,1083)	1:41:A:ALA:HB3	1:55:A:ILE:HD13	17	0.13
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD11	19	0.13
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD12	19	0.13
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD13	19	0.13
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD21	14	0.13
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD22	14	0.13
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD23	14	0.13
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD21	14	0.13
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD22	14	0.13
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD23	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD21	14	0.13
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD22	14	0.13
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD23	14	0.13
(3,1051)	1:54:A:ARG:HA	1:54:A:ARG:HD2	13	0.13
(3,1051)	1:54:A:ARG:HA	1:54:A:ARG:HD3	13	0.13
(3,989)	1:4:A:LEU:H	1:9:A:LYS:HE2	12	0.13
(3,989)	1:4:A:LEU:H	1:9:A:LYS:HE3	12	0.13
(3,986)	1:43:A:VAL:HB	1:46:A:ASP:H	1	0.13
(3,978)	1:32:A:ARG:H	1:34:A:ARG:HB2	13	0.13
(3,978)	1:32:A:ARG:H	1:34:A:ARG:HB3	13	0.13
(3,971)	1:23:A:ASP:HB2	1:25:A:GLU:H	3	0.13
(3,971)	1:23:A:ASP:HB3	1:25:A:GLU:H	3	0.13
(3,952)	1:70:A:LEU:HD21	1:73:A:VAL:H	16	0.13
(3,952)	1:70:A:LEU:HD22	1:73:A:VAL:H	16	0.13
(3,952)	1:70:A:LEU:HD23	1:73:A:VAL:H	16	0.13
(3,948)	1:71:A:HIS:HA	1:73:A:VAL:H	11	0.13
(3,927)	1:145:A:LYS:H	1:147:A:TYR:H	15	0.13
(3,924)	1:143:A:LEU:H	1:143:A:LEU:HD21	12	0.13
(3,924)	1:143:A:LEU:H	1:143:A:LEU:HD22	12	0.13
(3,924)	1:143:A:LEU:H	1:143:A:LEU:HD23	12	0.13
(3,901)	1:104:A:VAL:HG11	1:128:A:VAL:H	3	0.13
(3,901)	1:104:A:VAL:HG12	1:128:A:VAL:H	3	0.13
(3,901)	1:104:A:VAL:HG13	1:128:A:VAL:H	3	0.13
(3,901)	1:104:A:VAL:HG21	1:128:A:VAL:H	3	0.13
(3,901)	1:104:A:VAL:HG22	1:128:A:VAL:H	3	0.13
(3,901)	1:104:A:VAL:HG23	1:128:A:VAL:H	3	0.13
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD21	6	0.13
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD22	6	0.13
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD23	6	0.13
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD11	4	0.13
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD12	4	0.13
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD13	4	0.13
(3,826)	1:117:A:SER:H	1:119:A:GLU:H	11	0.13
(3,822)	1:68:A:VAL:H	1:132:A:TYR:HD1	1	0.13
(3,822)	1:68:A:VAL:H	1:132:A:TYR:HD2	1	0.13
(3,818)	1:63:A:PHE:HD1	1:64:A:GLY:H	2	0.13
(3,818)	1:63:A:PHE:HD2	1:64:A:GLY:H	2	0.13
(3,818)	1:63:A:PHE:HD1	1:64:A:GLY:H	3	0.13
(3,818)	1:63:A:PHE:HD2	1:64:A:GLY:H	3	0.13
(3,818)	1:63:A:PHE:HD1	1:64:A:GLY:H	12	0.13
(3,818)	1:63:A:PHE:HD2	1:64:A:GLY:H	12	0.13
(3,808)	1:61:A:ASP:H	1:65:A:ILE:H	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,763)	1:32:A:ARG:H	1:35:A:GLU:H	13	0.13
(3,759)	1:27:A:GLN:H	1:29:A:ALA:H	2	0.13
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD21	5	0.13
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD22	5	0.13
(3,755)	1:29:A:ALA:H	1:44:A:LEU:HD23	5	0.13
(3,753)	1:26:A:LEU:HD21	1:27:A:GLN:H	20	0.13
(3,753)	1:26:A:LEU:HD22	1:27:A:GLN:H	20	0.13
(3,753)	1:26:A:LEU:HD23	1:27:A:GLN:H	20	0.13
(3,719)	1:10:A:ARG:HA	1:12:A:GLY:H	3	0.13
(3,711)	1:6:A:ILE:HG21	1:8:A:ASP:H	9	0.13
(3,711)	1:6:A:ILE:HG22	1:8:A:ASP:H	9	0.13
(3,711)	1:6:A:ILE:HG23	1:8:A:ASP:H	9	0.13
(3,665)	1:59:A:ILE:HG21	1:64:A:GLY:H	11	0.13
(3,665)	1:59:A:ILE:HG22	1:64:A:GLY:H	11	0.13
(3,665)	1:59:A:ILE:HG23	1:64:A:GLY:H	11	0.13
(3,655)	1:22:A:THR:H	1:25:A:GLU:HA	2	0.13
(3,649)	1:22:A:THR:H	1:25:A:GLU:HG2	16	0.13
(3,649)	1:22:A:THR:H	1:25:A:GLU:HG3	16	0.13
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD21	13	0.13
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD22	13	0.13
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD23	13	0.13
(3,647)	1:126:A:GLY:H	1:127:A:LEU:HG	2	0.13
(3,647)	1:126:A:GLY:H	1:127:A:LEU:HG	7	0.13
(3,647)	1:126:A:GLY:H	1:127:A:LEU:HG	17	0.13
(3,644)	1:36:A:VAL:HG11	1:37:A:GLY:H	14	0.13
(3,644)	1:36:A:VAL:HG12	1:37:A:GLY:H	14	0.13
(3,644)	1:36:A:VAL:HG13	1:37:A:GLY:H	14	0.13
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD21	6	0.13
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD22	6	0.13
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD23	6	0.13
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD21	10	0.13
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD22	10	0.13
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD23	10	0.13
(3,577)	1:44:A:LEU:HB2	1:50:A:LEU:H	3	0.13
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD21	13	0.13
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD22	13	0.13
(3,564)	1:21:A:LEU:H	1:21:A:LEU:HD23	13	0.13
(3,553)	1:77:A:PRO:HB3	1:78:A:LYS:H	15	0.13
(3,550)	1:145:A:LYS:H	1:145:A:LYS:HE2	16	0.13
(3,550)	1:145:A:LYS:H	1:145:A:LYS:HE3	16	0.13
(3,547)	1:78:A:LYS:H	1:78:A:LYS:HD2	2	0.13
(3,547)	1:78:A:LYS:H	1:78:A:LYS:HD3	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,536)	1:39:A:SER:HA	1:42:A:GLU:H	6	0.13
(3,536)	1:39:A:SER:HA	1:42:A:GLU:H	15	0.13
(3,503)	1:80:A:LYS:HD2	1:81:A:ALA:H	8	0.13
(3,503)	1:80:A:LYS:HD3	1:81:A:ALA:H	8	0.13
(3,502)	1:81:A:ALA:H	1:82:A:LEU:HG	17	0.13
(3,497)	1:143:A:LEU:HA	1:147:A:TYR:H	2	0.13
(3,451)	1:15:A:LEU:H	1:15:A:LEU:HD21	2	0.13
(3,451)	1:15:A:LEU:H	1:15:A:LEU:HD22	2	0.13
(3,451)	1:15:A:LEU:H	1:15:A:LEU:HD23	2	0.13
(3,441)	1:124:A:LEU:H	1:125:A:THR:HG21	16	0.13
(3,441)	1:124:A:LEU:H	1:125:A:THR:HG22	16	0.13
(3,441)	1:124:A:LEU:H	1:125:A:THR:HG23	16	0.13
(3,413)	1:107:A:VAL:HB	1:132:A:TYR:H	5	0.13
(3,413)	1:107:A:VAL:HB	1:132:A:TYR:H	16	0.13
(3,383)	1:79:A:VAL:HB	1:80:A:LYS:H	3	0.13
(3,368)	1:45:A:VAL:HG21	1:49:A:LEU:H	3	0.13
(3,368)	1:45:A:VAL:HG22	1:49:A:LEU:H	3	0.13
(3,368)	1:45:A:VAL:HG23	1:49:A:LEU:H	3	0.13
(3,361)	1:140:A:LEU:HD11	1:141:A:TYR:H	15	0.13
(3,361)	1:140:A:LEU:HD12	1:141:A:TYR:H	15	0.13
(3,361)	1:140:A:LEU:HD13	1:141:A:TYR:H	15	0.13
(3,338)	1:57:A:GLN:H	1:58:A:THR:HB	3	0.13
(3,338)	1:57:A:GLN:H	1:58:A:THR:HB	20	0.13
(3,284)	1:143:A:LEU:H	1:143:A:LEU:HB3	20	0.13
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG21	8	0.13
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG22	8	0.13
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG23	8	0.13
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG21	12	0.13
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG22	12	0.13
(3,236)	1:32:A:ARG:H	1:43:A:VAL:HG23	12	0.13
(3,223)	1:109:A:PHE:H	1:133:A:GLN:HG2	19	0.13
(3,223)	1:109:A:PHE:H	1:133:A:GLN:HG3	19	0.13
(3,220)	1:30:A:LEU:HG	1:31:A:GLU:H	13	0.13
(3,196)	1:55:A:ILE:HD11	1:56:A:ALA:H	8	0.13
(3,196)	1:55:A:ILE:HD12	1:56:A:ALA:H	8	0.13
(3,196)	1:55:A:ILE:HD13	1:56:A:ALA:H	8	0.13
(3,196)	1:55:A:ILE:HD11	1:56:A:ALA:H	13	0.13
(3,196)	1:55:A:ILE:HD12	1:56:A:ALA:H	13	0.13
(3,196)	1:55:A:ILE:HD13	1:56:A:ALA:H	13	0.13
(3,193)	1:55:A:ILE:HG12	1:56:A:ALA:H	2	0.13
(3,193)	1:55:A:ILE:HG13	1:56:A:ALA:H	2	0.13
(3,191)	1:56:A:ALA:H	1:59:A:ILE:HB	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,167)	1:55:A:ILE:H	1:55:A:ILE:HG12	17	0.13
(3,167)	1:55:A:ILE:H	1:55:A:ILE:HG13	17	0.13
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD2	3	0.13
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD3	3	0.13
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD2	18	0.13
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD3	18	0.13
(3,153)	1:6:A:ILE:HA	1:8:A:ASP:H	19	0.13
(3,141)	1:56:A:ALA:HB1	1:59:A:ILE:H	2	0.13
(3,141)	1:56:A:ALA:HB2	1:59:A:ILE:H	2	0.13
(3,141)	1:56:A:ALA:HB3	1:59:A:ILE:H	2	0.13
(3,140)	1:144:A:ALA:HA	1:152:A:LEU:H	1	0.13
(3,96)	1:107:A:VAL:H	1:132:A:TYR:HE1	12	0.13
(3,96)	1:107:A:VAL:H	1:132:A:TYR:HE2	12	0.13
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD11	12	0.13
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD12	12	0.13
(3,85)	1:29:A:ALA:H	1:49:A:LEU:HD13	12	0.13
(3,81)	1:40:A:LEU:H	1:40:A:LEU:HD11	18	0.13
(3,81)	1:40:A:LEU:H	1:40:A:LEU:HD12	18	0.13
(3,81)	1:40:A:LEU:H	1:40:A:LEU:HD13	18	0.13
(3,72)	1:45:A:VAL:HG21	1:46:A:ASP:H	1	0.13
(3,72)	1:45:A:VAL:HG22	1:46:A:ASP:H	1	0.13
(3,72)	1:45:A:VAL:HG23	1:46:A:ASP:H	1	0.13
(3,33)	1:99:A:ASP:H	1:105:A:VAL:HB	18	0.13
(3,4)	1:104:A:VAL:HG11	1:130:A:GLU:H	5	0.13
(3,4)	1:104:A:VAL:HG12	1:130:A:GLU:H	5	0.13
(3,4)	1:104:A:VAL:HG13	1:130:A:GLU:H	5	0.13
(3,4)	1:104:A:VAL:HG21	1:130:A:GLU:H	5	0.13
(3,4)	1:104:A:VAL:HG22	1:130:A:GLU:H	5	0.13
(3,4)	1:104:A:VAL:HG23	1:130:A:GLU:H	5	0.13
(4,16)	1:109:A:PHE:H	1:132:A:TYR:O	10	0.12
(4,13)	1:109:A:PHE:O	1:134:A:THR:N	20	0.12
(4,8)	1:107:A:VAL:H	1:130:A:GLU:O	16	0.12
(4,4)	1:105:A:VAL:H	1:128:A:VAL:O	19	0.12
(4,3)	1:105:A:VAL:N	1:128:A:VAL:O	7	0.12
(4,2)	1:103:A:GLY:O	1:128:A:VAL:H	3	0.12
(4,1)	1:103:A:GLY:O	1:128:A:VAL:N	16	0.12
(3,2200)	1:143:A:LEU:H	1:145:A:LYS:HB2	16	0.12
(3,2200)	1:143:A:LEU:H	1:145:A:LYS:HB3	16	0.12
(3,2161)	1:122:A:GLU:HG2	1:128:A:VAL:HA	1	0.12
(3,2161)	1:122:A:GLU:HG3	1:128:A:VAL:HA	1	0.12
(3,2116)	1:111:A:ASN:H	1:111:A:ASN:HD21	5	0.12
(3,2116)	1:111:A:ASN:H	1:111:A:ASN:HD22	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2111)	1:110:A:LEU:HB2	1:111:A:ASN:HD21	16	0.12
(3,2111)	1:110:A:LEU:HB2	1:111:A:ASN:HD22	16	0.12
(3,2111)	1:110:A:LEU:HB3	1:111:A:ASN:HD21	16	0.12
(3,2111)	1:110:A:LEU:HB3	1:111:A:ASN:HD22	16	0.12
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG21	5	0.12
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG22	5	0.12
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG23	5	0.12
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG21	5	0.12
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG22	5	0.12
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG23	5	0.12
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG21	20	0.12
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG22	20	0.12
(3,2107)	1:109:A:PHE:HB2	1:134:A:THR:HG23	20	0.12
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG21	20	0.12
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG22	20	0.12
(3,2107)	1:109:A:PHE:HB3	1:134:A:THR:HG23	20	0.12
(3,2099)	1:106:A:ARG:H	1:106:A:ARG:HG2	19	0.12
(3,2099)	1:106:A:ARG:H	1:106:A:ARG:HG3	19	0.12
(3,2082)	1:98:A:LEU:HB2	1:106:A:ARG:H	14	0.12
(3,2082)	1:98:A:LEU:HB3	1:106:A:ARG:H	14	0.12
(3,2080)	1:98:A:LEU:HB2	1:99:A:ASP:H	14	0.12
(3,2080)	1:98:A:LEU:HB3	1:99:A:ASP:H	14	0.12
(3,2072)	1:96:A:PHE:HB2	1:97:A:ALA:H	10	0.12
(3,2072)	1:96:A:PHE:HB3	1:97:A:ALA:H	10	0.12
(3,2067)	1:94:A:ILE:H	1:94:A:ILE:HG12	13	0.12
(3,2067)	1:94:A:ILE:H	1:94:A:ILE:HG13	13	0.12
(3,2054)	1:91:A:LEU:HB2	1:92:A:LYS:H	11	0.12
(3,2054)	1:91:A:LEU:HB3	1:92:A:LYS:H	11	0.12
(3,2007)	1:77:A:PRO:HB2	1:78:A:LYS:H	2	0.12
(3,2007)	1:77:A:PRO:HB3	1:78:A:LYS:H	2	0.12
(3,2007)	1:77:A:PRO:HB2	1:78:A:LYS:H	6	0.12
(3,2007)	1:77:A:PRO:HB3	1:78:A:LYS:H	6	0.12
(3,2007)	1:77:A:PRO:HB2	1:78:A:LYS:H	18	0.12
(3,2007)	1:77:A:PRO:HB3	1:78:A:LYS:H	18	0.12
(3,1990)	1:70:A:LEU:HB2	1:134:A:THR:HA	7	0.12
(3,1990)	1:70:A:LEU:HB3	1:134:A:THR:HA	7	0.12
(3,1963)	1:62:A:ARG:HG2	1:63:A:PHE:H	7	0.12
(3,1963)	1:62:A:ARG:HG3	1:63:A:PHE:H	7	0.12
(3,1924)	1:56:A:ALA:HA	1:133:A:GLN:HE21	13	0.12
(3,1924)	1:56:A:ALA:HA	1:133:A:GLN:HE22	13	0.12
(3,1878)	1:45:A:VAL:H	1:46:A:ASP:HB2	17	0.12
(3,1878)	1:45:A:VAL:H	1:46:A:ASP:HB3	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1878)	1:45:A:VAL:H	1:46:A:ASP:HB2	19	0.12
(3,1878)	1:45:A:VAL:H	1:46:A:ASP:HB3	19	0.12
(3,1853)	1:39:A:SER:HA	1:111:A:ASN:HD21	10	0.12
(3,1853)	1:39:A:SER:HA	1:111:A:ASN:HD22	10	0.12
(3,1846)	1:36:A:VAL:HG21	1:37:A:GLY:HA2	10	0.12
(3,1846)	1:36:A:VAL:HG21	1:37:A:GLY:HA3	10	0.12
(3,1846)	1:36:A:VAL:HG22	1:37:A:GLY:HA2	10	0.12
(3,1846)	1:36:A:VAL:HG22	1:37:A:GLY:HA3	10	0.12
(3,1846)	1:36:A:VAL:HG23	1:37:A:GLY:HA2	10	0.12
(3,1846)	1:36:A:VAL:HG23	1:37:A:GLY:HA3	10	0.12
(3,1822)	1:32:A:ARG:HG2	1:33:A:HIS:H	8	0.12
(3,1822)	1:32:A:ARG:HG3	1:33:A:HIS:H	8	0.12
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG2	4	0.12
(3,1805)	1:29:A:ALA:HA	1:47:A:MET:HG3	4	0.12
(3,1777)	1:19:A:GLY:HA2	1:21:A:LEU:HA	4	0.12
(3,1777)	1:19:A:GLY:HA3	1:21:A:LEU:HA	4	0.12
(3,1744)	1:11:A:LEU:HB2	1:12:A:GLY:H	14	0.12
(3,1744)	1:11:A:LEU:HB3	1:12:A:GLY:H	14	0.12
(3,1738)	1:10:A:ARG:HB2	1:13:A:ALA:H	2	0.12
(3,1738)	1:10:A:ARG:HB3	1:13:A:ALA:H	2	0.12
(3,1658)	1:93:A:ALA:HB1	1:121:A:VAL:HG11	17	0.12
(3,1658)	1:93:A:ALA:HB1	1:121:A:VAL:HG12	17	0.12
(3,1658)	1:93:A:ALA:HB1	1:121:A:VAL:HG13	17	0.12
(3,1658)	1:93:A:ALA:HB2	1:121:A:VAL:HG11	17	0.12
(3,1658)	1:93:A:ALA:HB2	1:121:A:VAL:HG12	17	0.12
(3,1658)	1:93:A:ALA:HB2	1:121:A:VAL:HG13	17	0.12
(3,1658)	1:93:A:ALA:HB3	1:121:A:VAL:HG11	17	0.12
(3,1658)	1:93:A:ALA:HB3	1:121:A:VAL:HG12	17	0.12
(3,1658)	1:93:A:ALA:HB3	1:121:A:VAL:HG13	17	0.12
(3,1644)	1:113:A:LEU:HD21	1:114:A:ASP:H	1	0.12
(3,1644)	1:113:A:LEU:HD22	1:114:A:ASP:H	1	0.12
(3,1644)	1:113:A:LEU:HD23	1:114:A:ASP:H	1	0.12
(3,1637)	1:110:A:LEU:HD21	1:139:A:PHE:HD1	15	0.12
(3,1637)	1:110:A:LEU:HD21	1:139:A:PHE:HD2	15	0.12
(3,1637)	1:110:A:LEU:HD22	1:139:A:PHE:HD1	15	0.12
(3,1637)	1:110:A:LEU:HD22	1:139:A:PHE:HD2	15	0.12
(3,1637)	1:110:A:LEU:HD23	1:139:A:PHE:HD1	15	0.12
(3,1637)	1:110:A:LEU:HD23	1:139:A:PHE:HD2	15	0.12
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE1	15	0.12
(3,1628)	1:107:A:VAL:HG21	1:109:A:PHE:HE2	15	0.12
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE1	15	0.12
(3,1628)	1:107:A:VAL:HG22	1:109:A:PHE:HE2	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE1	15	0.12
(3,1628)	1:107:A:VAL:HG23	1:109:A:PHE:HE2	15	0.12
(3,1613)	1:105:A:VAL:HG11	1:129:A:VAL:HA	7	0.12
(3,1613)	1:105:A:VAL:HG12	1:129:A:VAL:HA	7	0.12
(3,1613)	1:105:A:VAL:HG13	1:129:A:VAL:HA	7	0.12
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG11	4	0.12
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG12	4	0.12
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG13	4	0.12
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG11	4	0.12
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG12	4	0.12
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG13	4	0.12
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG11	4	0.12
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG12	4	0.12
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG13	4	0.12
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG11	11	0.12
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG12	11	0.12
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG13	11	0.12
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG11	11	0.12
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG12	11	0.12
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG13	11	0.12
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG11	11	0.12
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG12	11	0.12
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG13	11	0.12
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG21	15	0.12
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG22	15	0.12
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG23	15	0.12
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG21	18	0.12
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG22	18	0.12
(3,1527)	1:29:A:ALA:HA	1:43:A:VAL:HG23	18	0.12
(3,1523)	1:30:A:LEU:HG	1:40:A:LEU:HD21	7	0.12
(3,1523)	1:30:A:LEU:HG	1:40:A:LEU:HD22	7	0.12
(3,1523)	1:30:A:LEU:HG	1:40:A:LEU:HD23	7	0.12
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG21	14	0.12
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG22	14	0.12
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG23	14	0.12
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG21	14	0.12
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG22	14	0.12
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG23	14	0.12
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG21	14	0.12
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG22	14	0.12
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG23	14	0.12
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG21	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG22	15	0.12
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG23	15	0.12
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG21	15	0.12
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG22	15	0.12
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG23	15	0.12
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG21	15	0.12
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG22	15	0.12
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG23	15	0.12
(3,1499)	1:150:A:LEU:HA	1:150:A:LEU:HD11	10	0.12
(3,1499)	1:150:A:LEU:HA	1:150:A:LEU:HD12	10	0.12
(3,1499)	1:150:A:LEU:HA	1:150:A:LEU:HD13	10	0.12
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD21	12	0.12
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD22	12	0.12
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD23	12	0.12
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG21	15	0.12
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG22	15	0.12
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG23	15	0.12
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG21	15	0.12
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG22	15	0.12
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG23	15	0.12
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG21	15	0.12
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG22	15	0.12
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG23	15	0.12
(3,1454)	1:67:A:LEU:HD11	1:133:A:GLN:HG2	2	0.12
(3,1454)	1:67:A:LEU:HD11	1:133:A:GLN:HG3	2	0.12
(3,1454)	1:67:A:LEU:HD12	1:133:A:GLN:HG2	2	0.12
(3,1454)	1:67:A:LEU:HD12	1:133:A:GLN:HG3	2	0.12
(3,1454)	1:67:A:LEU:HD13	1:133:A:GLN:HG2	2	0.12
(3,1454)	1:67:A:LEU:HD13	1:133:A:GLN:HG3	2	0.12
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG21	15	0.12
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG22	15	0.12
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG23	15	0.12
(3,1419)	1:123:A:ASP:HB2	1:124:A:LEU:H	15	0.12
(3,1372)	1:97:A:ALA:HB1	1:98:A:LEU:HD21	17	0.12
(3,1372)	1:97:A:ALA:HB1	1:98:A:LEU:HD22	17	0.12
(3,1372)	1:97:A:ALA:HB1	1:98:A:LEU:HD23	17	0.12
(3,1372)	1:97:A:ALA:HB2	1:98:A:LEU:HD21	17	0.12
(3,1372)	1:97:A:ALA:HB2	1:98:A:LEU:HD22	17	0.12
(3,1372)	1:97:A:ALA:HB2	1:98:A:LEU:HD23	17	0.12
(3,1372)	1:97:A:ALA:HB3	1:98:A:LEU:HD21	17	0.12
(3,1372)	1:97:A:ALA:HB3	1:98:A:LEU:HD22	17	0.12
(3,1372)	1:97:A:ALA:HB3	1:98:A:LEU:HD23	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1274)	1:13:A:ALA:HB1	1:14:A:ALA:HA	15	0.12
(3,1274)	1:13:A:ALA:HB2	1:14:A:ALA:HA	15	0.12
(3,1274)	1:13:A:ALA:HB3	1:14:A:ALA:HA	15	0.12
(3,1273)	1:13:A:ALA:HB1	1:16:A:LEU:HB3	13	0.12
(3,1273)	1:13:A:ALA:HB2	1:16:A:LEU:HB3	13	0.12
(3,1273)	1:13:A:ALA:HB3	1:16:A:LEU:HB3	13	0.12
(3,1253)	1:108:A:ALA:HB1	1:134:A:THR:HG21	5	0.12
(3,1253)	1:108:A:ALA:HB1	1:134:A:THR:HG22	5	0.12
(3,1253)	1:108:A:ALA:HB1	1:134:A:THR:HG23	5	0.12
(3,1253)	1:108:A:ALA:HB2	1:134:A:THR:HG21	5	0.12
(3,1253)	1:108:A:ALA:HB2	1:134:A:THR:HG22	5	0.12
(3,1253)	1:108:A:ALA:HB2	1:134:A:THR:HG23	5	0.12
(3,1253)	1:108:A:ALA:HB3	1:134:A:THR:HG21	5	0.12
(3,1253)	1:108:A:ALA:HB3	1:134:A:THR:HG22	5	0.12
(3,1253)	1:108:A:ALA:HB3	1:134:A:THR:HG23	5	0.12
(3,1233)	1:120:A:GLU:HA	1:123:A:ASP:HB2	8	0.12
(3,1222)	1:112:A:PRO:HA	1:113:A:LEU:HA	9	0.12
(3,1222)	1:112:A:PRO:HA	1:113:A:LEU:HA	18	0.12
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD11	14	0.12
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD12	14	0.12
(3,1205)	1:14:A:ALA:HB1	1:59:A:ILE:HD13	14	0.12
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD11	14	0.12
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD12	14	0.12
(3,1205)	1:14:A:ALA:HB2	1:59:A:ILE:HD13	14	0.12
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD11	14	0.12
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD12	14	0.12
(3,1205)	1:14:A:ALA:HB3	1:59:A:ILE:HD13	14	0.12
(3,1184)	1:45:A:VAL:HB	1:46:A:ASP:H	12	0.12
(3,1124)	1:6:A:ILE:HD11	1:116:A:LEU:HA	2	0.12
(3,1124)	1:6:A:ILE:HD12	1:116:A:LEU:HA	2	0.12
(3,1124)	1:6:A:ILE:HD13	1:116:A:LEU:HA	2	0.12
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD11	10	0.12
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD12	10	0.12
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD13	10	0.12
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD11	10	0.12
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD12	10	0.12
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD13	10	0.12
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD11	10	0.12
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD12	10	0.12
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD13	10	0.12
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD11	13	0.12
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD12	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD13	13	0.12
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD11	17	0.12
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD12	17	0.12
(3,1067)	1:41:A:ALA:HA	1:55:A:ILE:HD13	17	0.12
(3,1061)	1:51:A:SER:HB3	1:52:A:GLU:H	12	0.12
(3,1061)	1:51:A:SER:HB3	1:52:A:GLU:H	13	0.12
(3,995)	1:96:A:PHE:H	1:107:A:VAL:H	11	0.12
(3,988)	1:56:A:ALA:HA	1:58:A:THR:H	20	0.12
(3,986)	1:43:A:VAL:HB	1:46:A:ASP:H	8	0.12
(3,952)	1:70:A:LEU:HD21	1:73:A:VAL:H	17	0.12
(3,952)	1:70:A:LEU:HD22	1:73:A:VAL:H	17	0.12
(3,952)	1:70:A:LEU:HD23	1:73:A:VAL:H	17	0.12
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD21	1	0.12
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD22	1	0.12
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD23	1	0.12
(3,851)	1:89:A:LYS:HA	1:93:A:ALA:H	3	0.12
(3,850)	1:92:A:LYS:HG2	1:93:A:ALA:H	7	0.12
(3,850)	1:92:A:LYS:HG3	1:93:A:ALA:H	7	0.12
(3,850)	1:92:A:LYS:HG2	1:93:A:ALA:H	16	0.12
(3,850)	1:92:A:LYS:HG3	1:93:A:ALA:H	16	0.12
(3,843)	1:87:A:LYS:H	1:89:A:LYS:H	4	0.12
(3,827)	1:102:A:ALA:H	1:104:A:VAL:H	13	0.12
(3,811)	1:62:A:ARG:H	1:64:A:GLY:H	9	0.12
(3,808)	1:61:A:ASP:H	1:65:A:ILE:H	14	0.12
(3,789)	1:45:A:VAL:H	1:48:A:GLY:H	16	0.12
(3,781)	1:41:A:ALA:H	1:55:A:ILE:HG12	4	0.12
(3,781)	1:41:A:ALA:H	1:55:A:ILE:HG13	4	0.12
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB2	18	0.12
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB3	18	0.12
(3,745)	1:51:A:SER:H	1:54:A:ARG:H	19	0.12
(3,731)	1:18:A:ALA:H	1:20:A:LEU:HG	10	0.12
(3,731)	1:18:A:ALA:H	1:20:A:LEU:HG	20	0.12
(3,725)	1:15:A:LEU:H	1:58:A:THR:HG21	9	0.12
(3,725)	1:15:A:LEU:H	1:58:A:THR:HG22	9	0.12
(3,725)	1:15:A:LEU:H	1:58:A:THR:HG23	9	0.12
(3,719)	1:10:A:ARG:HA	1:12:A:GLY:H	13	0.12
(3,712)	1:4:A:LEU:HD11	1:8:A:ASP:H	7	0.12
(3,712)	1:4:A:LEU:HD12	1:8:A:ASP:H	7	0.12
(3,712)	1:4:A:LEU:HD13	1:8:A:ASP:H	7	0.12
(3,708)	1:7:A:GLY:H	1:9:A:LYS:H	3	0.12
(3,701)	1:122:A:GLU:HA	1:125:A:THR:H	20	0.12
(3,691)	1:124:A:LEU:HG	1:125:A:THR:H	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,691)	1:124:A:LEU:HG	1:125:A:THR:H	20	0.12
(3,687)	1:19:A:GLY:H	1:21:A:LEU:H	12	0.12
(3,684)	1:48:A:GLY:H	1:49:A:LEU:HG	12	0.12
(3,684)	1:48:A:GLY:H	1:49:A:LEU:HG	20	0.12
(3,681)	1:48:A:GLY:H	1:50:A:LEU:H	8	0.12
(3,677)	1:103:A:GLY:H	1:104:A:VAL:HG11	16	0.12
(3,677)	1:103:A:GLY:H	1:104:A:VAL:HG12	16	0.12
(3,677)	1:103:A:GLY:H	1:104:A:VAL:HG13	16	0.12
(3,677)	1:103:A:GLY:H	1:104:A:VAL:HG21	16	0.12
(3,677)	1:103:A:GLY:H	1:104:A:VAL:HG22	16	0.12
(3,677)	1:103:A:GLY:H	1:104:A:VAL:HG23	16	0.12
(3,655)	1:22:A:THR:H	1:25:A:GLU:HA	12	0.12
(3,628)	1:109:A:PHE:HB3	1:111:A:ASN:H	6	0.12
(3,585)	1:51:A:SER:H	1:54:A:ARG:HB2	20	0.12
(3,585)	1:51:A:SER:H	1:54:A:ARG:HB3	20	0.12
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD21	1	0.12
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD22	1	0.12
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD23	1	0.12
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD21	5	0.12
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD22	5	0.12
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD23	5	0.12
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD21	12	0.12
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD22	12	0.12
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD23	12	0.12
(3,558)	1:113:A:LEU:H	1:113:A:LEU:HG	3	0.12
(3,536)	1:39:A:SER:HA	1:42:A:GLU:H	13	0.12
(3,509)	1:91:A:LEU:H	1:91:A:LEU:HD21	5	0.12
(3,509)	1:91:A:LEU:H	1:91:A:LEU:HD22	5	0.12
(3,509)	1:91:A:LEU:H	1:91:A:LEU:HD23	5	0.12
(3,497)	1:143:A:LEU:HA	1:147:A:TYR:H	14	0.12
(3,493)	1:20:A:LEU:HD11	1:58:A:THR:H	3	0.12
(3,493)	1:20:A:LEU:HD12	1:58:A:THR:H	3	0.12
(3,493)	1:20:A:LEU:HD13	1:58:A:THR:H	3	0.12
(3,469)	1:83:A:LEU:HD11	1:87:A:LYS:H	19	0.12
(3,469)	1:83:A:LEU:HD12	1:87:A:LYS:H	19	0.12
(3,469)	1:83:A:LEU:HD13	1:87:A:LYS:H	19	0.12
(3,467)	1:78:A:LYS:HB3	1:79:A:VAL:H	6	0.12
(3,457)	1:26:A:LEU:HD21	1:27:A:GLN:H	4	0.12
(3,457)	1:26:A:LEU:HD22	1:27:A:GLN:H	4	0.12
(3,457)	1:26:A:LEU:HD23	1:27:A:GLN:H	4	0.12
(3,425)	1:132:A:TYR:HE1	1:133:A:GLN:H	14	0.12
(3,425)	1:132:A:TYR:HE2	1:133:A:GLN:H	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,413)	1:107:A:VAL:HB	1:132:A:TYR:H	11	0.12
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD11	7	0.12
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD12	7	0.12
(3,403)	1:45:A:VAL:H	1:55:A:ILE:HD13	7	0.12
(3,386)	1:79:A:VAL:HG21	1:80:A:LYS:H	13	0.12
(3,386)	1:79:A:VAL:HG22	1:80:A:LYS:H	13	0.12
(3,386)	1:79:A:VAL:HG23	1:80:A:LYS:H	13	0.12
(3,386)	1:79:A:VAL:HG21	1:80:A:LYS:H	15	0.12
(3,386)	1:79:A:VAL:HG22	1:80:A:LYS:H	15	0.12
(3,386)	1:79:A:VAL:HG23	1:80:A:LYS:H	15	0.12
(3,386)	1:79:A:VAL:HG21	1:80:A:LYS:H	16	0.12
(3,386)	1:79:A:VAL:HG22	1:80:A:LYS:H	16	0.12
(3,386)	1:79:A:VAL:HG23	1:80:A:LYS:H	16	0.12
(3,385)	1:75:A:ILE:HG21	1:80:A:LYS:H	17	0.12
(3,385)	1:75:A:ILE:HG22	1:80:A:LYS:H	17	0.12
(3,385)	1:75:A:ILE:HG23	1:80:A:LYS:H	17	0.12
(3,385)	1:75:A:ILE:HG21	1:80:A:LYS:H	19	0.12
(3,385)	1:75:A:ILE:HG22	1:80:A:LYS:H	19	0.12
(3,385)	1:75:A:ILE:HG23	1:80:A:LYS:H	19	0.12
(3,373)	1:26:A:LEU:H	1:27:A:GLN:HB2	11	0.12
(3,373)	1:26:A:LEU:H	1:27:A:GLN:HB3	11	0.12
(3,369)	1:49:A:LEU:H	1:49:A:LEU:HD11	19	0.12
(3,369)	1:49:A:LEU:H	1:49:A:LEU:HD12	19	0.12
(3,369)	1:49:A:LEU:H	1:49:A:LEU:HD13	19	0.12
(3,361)	1:140:A:LEU:HD11	1:141:A:TYR:H	18	0.12
(3,361)	1:140:A:LEU:HD12	1:141:A:TYR:H	18	0.12
(3,361)	1:140:A:LEU:HD13	1:141:A:TYR:H	18	0.12
(3,355)	1:27:A:GLN:HG2	1:28:A:ARG:H	3	0.12
(3,355)	1:27:A:GLN:HG3	1:28:A:ARG:H	3	0.12
(3,338)	1:57:A:GLN:H	1:58:A:THR:HB	4	0.12
(3,338)	1:57:A:GLN:H	1:58:A:THR:HB	9	0.12
(3,310)	1:30:A:LEU:HD21	1:33:A:HIS:H	3	0.12
(3,310)	1:30:A:LEU:HD22	1:33:A:HIS:H	3	0.12
(3,310)	1:30:A:LEU:HD23	1:33:A:HIS:H	3	0.12
(3,310)	1:30:A:LEU:HD21	1:33:A:HIS:H	16	0.12
(3,310)	1:30:A:LEU:HD22	1:33:A:HIS:H	16	0.12
(3,310)	1:30:A:LEU:HD23	1:33:A:HIS:H	16	0.12
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG11	14	0.12
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG12	14	0.12
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG13	14	0.12
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG11	18	0.12
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG12	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG13	18	0.12
(3,278)	1:139:A:PHE:HD1	1:143:A:LEU:H	17	0.12
(3,278)	1:139:A:PHE:HD2	1:143:A:LEU:H	17	0.12
(3,211)	1:121:A:VAL:HG21	1:123:A:ASP:H	18	0.12
(3,211)	1:121:A:VAL:HG22	1:123:A:ASP:H	18	0.12
(3,211)	1:121:A:VAL:HG23	1:123:A:ASP:H	18	0.12
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD21	1	0.12
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD22	1	0.12
(3,207)	1:127:A:LEU:H	1:127:A:LEU:HD23	1	0.12
(3,205)	1:105:A:VAL:HG11	1:127:A:LEU:H	2	0.12
(3,205)	1:105:A:VAL:HG12	1:127:A:LEU:H	2	0.12
(3,205)	1:105:A:VAL:HG13	1:127:A:LEU:H	2	0.12
(3,196)	1:55:A:ILE:HD11	1:56:A:ALA:H	14	0.12
(3,196)	1:55:A:ILE:HD12	1:56:A:ALA:H	14	0.12
(3,196)	1:55:A:ILE:HD13	1:56:A:ALA:H	14	0.12
(3,179)	1:51:A:SER:HB2	1:52:A:GLU:H	13	0.12
(3,172)	1:13:A:ALA:HB1	1:17:A:ASP:H	4	0.12
(3,172)	1:13:A:ALA:HB2	1:17:A:ASP:H	4	0.12
(3,172)	1:13:A:ALA:HB3	1:17:A:ASP:H	4	0.12
(3,141)	1:56:A:ALA:HB1	1:59:A:ILE:H	3	0.12
(3,141)	1:56:A:ALA:HB2	1:59:A:ILE:H	3	0.12
(3,141)	1:56:A:ALA:HB3	1:59:A:ILE:H	3	0.12
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD11	9	0.12
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD12	9	0.12
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD13	9	0.12
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD11	12	0.12
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD12	12	0.12
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD13	12	0.12
(3,124)	1:67:A:LEU:H	1:132:A:TYR:HD1	3	0.12
(3,124)	1:67:A:LEU:H	1:132:A:TYR:HD2	3	0.12
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD21	11	0.12
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD22	11	0.12
(3,122)	1:98:A:LEU:H	1:98:A:LEU:HD23	11	0.12
(3,114)	1:68:A:VAL:H	1:68:A:VAL:HB	5	0.12
(3,108)	1:88:A:ALA:HB1	1:93:A:ALA:H	6	0.12
(3,108)	1:88:A:ALA:HB2	1:93:A:ALA:H	6	0.12
(3,108)	1:88:A:ALA:HB3	1:93:A:ALA:H	6	0.12
(3,92)	1:121:A:VAL:HG21	1:122:A:GLU:H	20	0.12
(3,92)	1:121:A:VAL:HG22	1:122:A:GLU:H	20	0.12
(3,92)	1:121:A:VAL:HG23	1:122:A:GLU:H	20	0.12
(3,72)	1:45:A:VAL:HG21	1:46:A:ASP:H	18	0.12
(3,72)	1:45:A:VAL:HG22	1:46:A:ASP:H	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,72)	1:45:A:VAL:HG23	1:46:A:ASP:H	18	0.12
(3,36)	1:98:A:LEU:HG	1:99:A:ASP:H	19	0.12
(3,34)	1:99:A:ASP:H	1:104:A:VAL:HB	18	0.12
(3,27)	1:129:A:VAL:H	1:129:A:VAL:HB	18	0.12
(3,22)	1:122:A:GLU:HA	1:129:A:VAL:H	15	0.12
(6,8)	1:4:A:LEU:HD21	1:9:A:LYS:HE2	17	0.11
(6,8)	1:4:A:LEU:HD21	1:9:A:LYS:HE3	17	0.11
(6,8)	1:4:A:LEU:HD22	1:9:A:LYS:HE2	17	0.11
(6,8)	1:4:A:LEU:HD22	1:9:A:LYS:HE3	17	0.11
(6,8)	1:4:A:LEU:HD23	1:9:A:LYS:HE2	17	0.11
(6,8)	1:4:A:LEU:HD23	1:9:A:LYS:HE3	17	0.11
(6,7)	1:4:A:LEU:HD11	1:9:A:LYS:HD2	16	0.11
(6,7)	1:4:A:LEU:HD11	1:9:A:LYS:HD3	16	0.11
(6,7)	1:4:A:LEU:HD12	1:9:A:LYS:HD2	16	0.11
(6,7)	1:4:A:LEU:HD12	1:9:A:LYS:HD3	16	0.11
(6,7)	1:4:A:LEU:HD13	1:9:A:LYS:HD2	16	0.11
(6,7)	1:4:A:LEU:HD13	1:9:A:LYS:HD3	16	0.11
(6,6)	1:85:A:ALA:HA	1:142:A:ALA:HB1	20	0.11
(6,6)	1:85:A:ALA:HA	1:142:A:ALA:HB2	20	0.11
(6,6)	1:85:A:ALA:HA	1:142:A:ALA:HB3	20	0.11
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB1	1	0.11
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB2	1	0.11
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB3	1	0.11
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB1	1	0.11
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB2	1	0.11
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB3	1	0.11
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB1	1	0.11
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB2	1	0.11
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB3	1	0.11
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB1	3	0.11
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB2	3	0.11
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB3	3	0.11
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB1	3	0.11
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB2	3	0.11
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB3	3	0.11
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB1	3	0.11
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB2	3	0.11
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB3	3	0.11
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB1	6	0.11
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB2	6	0.11
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB3	6	0.11
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB1	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB2	6	0.11
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB3	6	0.11
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB1	6	0.11
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB2	6	0.11
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB3	6	0.11
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB1	15	0.11
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB2	15	0.11
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB3	15	0.11
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB1	15	0.11
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB2	15	0.11
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB3	15	0.11
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB1	15	0.11
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB2	15	0.11
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB3	15	0.11
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB1	16	0.11
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB2	16	0.11
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB3	16	0.11
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB1	16	0.11
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB2	16	0.11
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB3	16	0.11
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB1	16	0.11
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB2	16	0.11
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB3	16	0.11
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB1	20	0.11
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB2	20	0.11
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB3	20	0.11
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB1	20	0.11
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB2	20	0.11
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB3	20	0.11
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB1	20	0.11
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB2	20	0.11
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB3	20	0.11
(4,20)	1:94:A:ILE:O	1:108:A:ALA:H	1	0.11
(4,19)	1:94:A:ILE:O	1:108:A:ALA:N	15	0.11
(4,15)	1:109:A:PHE:N	1:132:A:TYR:O	11	0.11
(4,10)	1:107:A:VAL:O	1:132:A:TYR:H	11	0.11
(4,3)	1:105:A:VAL:N	1:128:A:VAL:O	16	0.11
(3,2214)	1:150:A:LEU:HB2	1:152:A:LEU:H	1	0.11
(3,2214)	1:150:A:LEU:HB3	1:152:A:LEU:H	1	0.11
(3,2135)	1:117:A:SER:HB2	1:118:A:LEU:HB2	5	0.11
(3,2135)	1:117:A:SER:HB2	1:118:A:LEU:HB3	5	0.11
(3,2135)	1:117:A:SER:HB3	1:118:A:LEU:HB2	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2135)	1:117:A:SER:HB3	1:118:A:LEU:HB3	5	0.11
(3,2112)	1:110:A:LEU:HB2	1:134:A:THR:HG21	4	0.11
(3,2112)	1:110:A:LEU:HB2	1:134:A:THR:HG22	4	0.11
(3,2112)	1:110:A:LEU:HB2	1:134:A:THR:HG23	4	0.11
(3,2112)	1:110:A:LEU:HB3	1:134:A:THR:HG21	4	0.11
(3,2112)	1:110:A:LEU:HB3	1:134:A:THR:HG22	4	0.11
(3,2112)	1:110:A:LEU:HB3	1:134:A:THR:HG23	4	0.11
(3,2112)	1:110:A:LEU:HB2	1:134:A:THR:HG21	6	0.11
(3,2112)	1:110:A:LEU:HB2	1:134:A:THR:HG22	6	0.11
(3,2112)	1:110:A:LEU:HB2	1:134:A:THR:HG23	6	0.11
(3,2112)	1:110:A:LEU:HB3	1:134:A:THR:HG21	6	0.11
(3,2112)	1:110:A:LEU:HB3	1:134:A:THR:HG22	6	0.11
(3,2112)	1:110:A:LEU:HB3	1:134:A:THR:HG23	6	0.11
(3,2080)	1:98:A:LEU:HB2	1:99:A:ASP:H	1	0.11
(3,2080)	1:98:A:LEU:HB3	1:99:A:ASP:H	1	0.11
(3,2080)	1:98:A:LEU:HB2	1:99:A:ASP:H	3	0.11
(3,2080)	1:98:A:LEU:HB3	1:99:A:ASP:H	3	0.11
(3,2080)	1:98:A:LEU:HB2	1:99:A:ASP:H	5	0.11
(3,2080)	1:98:A:LEU:HB3	1:99:A:ASP:H	5	0.11
(3,2080)	1:98:A:LEU:HB2	1:99:A:ASP:H	16	0.11
(3,2080)	1:98:A:LEU:HB3	1:99:A:ASP:H	16	0.11
(3,2080)	1:98:A:LEU:HB2	1:99:A:ASP:H	18	0.11
(3,2080)	1:98:A:LEU:HB3	1:99:A:ASP:H	18	0.11
(3,2080)	1:98:A:LEU:HB2	1:99:A:ASP:H	19	0.11
(3,2080)	1:98:A:LEU:HB3	1:99:A:ASP:H	19	0.11
(3,2058)	1:91:A:LEU:HD21	1:120:A:GLU:HB2	1	0.11
(3,2058)	1:91:A:LEU:HD21	1:120:A:GLU:HB3	1	0.11
(3,2058)	1:91:A:LEU:HD22	1:120:A:GLU:HB2	1	0.11
(3,2058)	1:91:A:LEU:HD22	1:120:A:GLU:HB3	1	0.11
(3,2058)	1:91:A:LEU:HD23	1:120:A:GLU:HB2	1	0.11
(3,2058)	1:91:A:LEU:HD23	1:120:A:GLU:HB3	1	0.11
(3,2047)	1:89:A:LYS:HG2	1:90:A:GLU:H	8	0.11
(3,2047)	1:89:A:LYS:HG3	1:90:A:GLU:H	8	0.11
(3,2044)	1:89:A:LYS:HB2	1:91:A:LEU:H	8	0.11
(3,2044)	1:89:A:LYS:HB3	1:91:A:LEU:H	8	0.11
(3,2027)	1:84:A:PRO:HB2	1:87:A:LYS:H	6	0.11
(3,2027)	1:84:A:PRO:HB3	1:87:A:LYS:H	6	0.11
(3,1968)	1:63:A:PHE:HB2	1:113:A:LEU:HD21	16	0.11
(3,1968)	1:63:A:PHE:HB2	1:113:A:LEU:HD22	16	0.11
(3,1968)	1:63:A:PHE:HB2	1:113:A:LEU:HD23	16	0.11
(3,1968)	1:63:A:PHE:HB3	1:113:A:LEU:HD21	16	0.11
(3,1968)	1:63:A:PHE:HB3	1:113:A:LEU:HD22	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1968)	1:63:A:PHE:HB3	1:113:A:LEU:HD23	16	0.11
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	18	0.11
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE22	18	0.11
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	18	0.11
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE22	18	0.11
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	18	0.11
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE22	18	0.11
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE21	20	0.11
(3,1946)	1:59:A:ILE:HG21	1:133:A:GLN:HE22	20	0.11
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE21	20	0.11
(3,1946)	1:59:A:ILE:HG22	1:133:A:GLN:HE22	20	0.11
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE21	20	0.11
(3,1946)	1:59:A:ILE:HG23	1:133:A:GLN:HE22	20	0.11
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB2	2	0.11
(3,1920)	1:55:A:ILE:H	1:57:A:GLN:HB3	2	0.11
(3,1915)	1:51:A:SER:HB2	1:54:A:ARG:H	5	0.11
(3,1915)	1:51:A:SER:HB3	1:54:A:ARG:H	5	0.11
(3,1906)	1:50:A:LEU:HB2	1:55:A:ILE:HA	2	0.11
(3,1906)	1:50:A:LEU:HB3	1:55:A:ILE:HA	2	0.11
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD11	10	0.11
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD12	10	0.11
(3,1896)	1:48:A:GLY:HA2	1:49:A:LEU:HD13	10	0.11
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD11	10	0.11
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD12	10	0.11
(3,1896)	1:48:A:GLY:HA3	1:49:A:LEU:HD13	10	0.11
(3,1850)	1:39:A:SER:H	1:42:A:GLU:HB2	11	0.11
(3,1850)	1:39:A:SER:H	1:42:A:GLU:HB3	11	0.11
(3,1784)	1:21:A:LEU:HB2	1:25:A:GLU:H	13	0.11
(3,1784)	1:21:A:LEU:HB3	1:25:A:GLU:H	13	0.11
(3,1769)	1:16:A:LEU:HB2	1:17:A:ASP:HA	2	0.11
(3,1769)	1:16:A:LEU:HB3	1:17:A:ASP:HA	2	0.11
(3,1758)	1:14:A:ALA:HB1	1:62:A:ARG:HD2	8	0.11
(3,1758)	1:14:A:ALA:HB1	1:62:A:ARG:HD3	8	0.11
(3,1758)	1:14:A:ALA:HB2	1:62:A:ARG:HD2	8	0.11
(3,1758)	1:14:A:ALA:HB2	1:62:A:ARG:HD3	8	0.11
(3,1758)	1:14:A:ALA:HB3	1:62:A:ARG:HD2	8	0.11
(3,1758)	1:14:A:ALA:HB3	1:62:A:ARG:HD3	8	0.11
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	6	0.11
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB3	6	0.11
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	6	0.11
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB3	6	0.11
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB3	6	0.11
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB2	8	0.11
(3,1754)	1:13:A:ALA:HB1	1:16:A:LEU:HB3	8	0.11
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB2	8	0.11
(3,1754)	1:13:A:ALA:HB2	1:16:A:LEU:HB3	8	0.11
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB2	8	0.11
(3,1754)	1:13:A:ALA:HB3	1:16:A:LEU:HB3	8	0.11
(3,1748)	1:11:A:LEU:HB2	1:113:A:LEU:HD21	8	0.11
(3,1748)	1:11:A:LEU:HB2	1:113:A:LEU:HD22	8	0.11
(3,1748)	1:11:A:LEU:HB2	1:113:A:LEU:HD23	8	0.11
(3,1748)	1:11:A:LEU:HB3	1:113:A:LEU:HD21	8	0.11
(3,1748)	1:11:A:LEU:HB3	1:113:A:LEU:HD22	8	0.11
(3,1748)	1:11:A:LEU:HB3	1:113:A:LEU:HD23	8	0.11
(3,1744)	1:11:A:LEU:HB2	1:12:A:GLY:H	19	0.11
(3,1744)	1:11:A:LEU:HB3	1:12:A:GLY:H	19	0.11
(3,1696)	1:4:A:LEU:H	1:8:A:ASP:HB2	11	0.11
(3,1696)	1:4:A:LEU:H	1:8:A:ASP:HB3	11	0.11
(3,1695)	1:150:A:LEU:HA	1:150:A:LEU:HD21	14	0.11
(3,1695)	1:150:A:LEU:HA	1:150:A:LEU:HD22	14	0.11
(3,1695)	1:150:A:LEU:HA	1:150:A:LEU:HD23	14	0.11
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG21	9	0.11
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG22	9	0.11
(3,1679)	1:109:A:PHE:HE1	1:129:A:VAL:HG23	9	0.11
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG21	9	0.11
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG22	9	0.11
(3,1679)	1:109:A:PHE:HE2	1:129:A:VAL:HG23	9	0.11
(3,1678)	1:118:A:LEU:HA	1:129:A:VAL:HG21	20	0.11
(3,1678)	1:118:A:LEU:HA	1:129:A:VAL:HG22	20	0.11
(3,1678)	1:118:A:LEU:HA	1:129:A:VAL:HG23	20	0.11
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD11	7	0.11
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD12	7	0.11
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD13	7	0.11
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD11	9	0.11
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD12	9	0.11
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD13	9	0.11
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD11	16	0.11
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD12	16	0.11
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD13	16	0.11
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD11	20	0.11
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD12	20	0.11
(3,1652)	1:115:A:THR:HA	1:118:A:LEU:HD13	20	0.11
(3,1644)	1:113:A:LEU:HD21	1:114:A:ASP:H	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1644)	1:113:A:LEU:HD22	1:114:A:ASP:H	7	0.11
(3,1644)	1:113:A:LEU:HD23	1:114:A:ASP:H	7	0.11
(3,1616)	1:79:A:VAL:HG21	1:105:A:VAL:HG11	5	0.11
(3,1616)	1:79:A:VAL:HG21	1:105:A:VAL:HG12	5	0.11
(3,1616)	1:79:A:VAL:HG21	1:105:A:VAL:HG13	5	0.11
(3,1616)	1:79:A:VAL:HG22	1:105:A:VAL:HG11	5	0.11
(3,1616)	1:79:A:VAL:HG22	1:105:A:VAL:HG12	5	0.11
(3,1616)	1:79:A:VAL:HG22	1:105:A:VAL:HG13	5	0.11
(3,1616)	1:79:A:VAL:HG23	1:105:A:VAL:HG11	5	0.11
(3,1616)	1:79:A:VAL:HG23	1:105:A:VAL:HG12	5	0.11
(3,1616)	1:79:A:VAL:HG23	1:105:A:VAL:HG13	5	0.11
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD11	17	0.11
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD12	17	0.11
(3,1589)	1:80:A:LYS:HA	1:82:A:LEU:HD13	17	0.11
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG11	20	0.11
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG12	20	0.11
(3,1573)	1:70:A:LEU:HD21	1:73:A:VAL:HG13	20	0.11
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG11	20	0.11
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG12	20	0.11
(3,1573)	1:70:A:LEU:HD22	1:73:A:VAL:HG13	20	0.11
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG11	20	0.11
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG12	20	0.11
(3,1573)	1:70:A:LEU:HD23	1:73:A:VAL:HG13	20	0.11
(3,1562)	1:68:A:VAL:HG21	1:132:A:TYR:HE1	4	0.11
(3,1562)	1:68:A:VAL:HG21	1:132:A:TYR:HE2	4	0.11
(3,1562)	1:68:A:VAL:HG22	1:132:A:TYR:HE1	4	0.11
(3,1562)	1:68:A:VAL:HG22	1:132:A:TYR:HE2	4	0.11
(3,1562)	1:68:A:VAL:HG23	1:132:A:TYR:HE1	4	0.11
(3,1562)	1:68:A:VAL:HG23	1:132:A:TYR:HE2	4	0.11
(3,1556)	1:67:A:LEU:HD11	1:135:A:THR:HG21	7	0.11
(3,1556)	1:67:A:LEU:HD11	1:135:A:THR:HG22	7	0.11
(3,1556)	1:67:A:LEU:HD11	1:135:A:THR:HG23	7	0.11
(3,1556)	1:67:A:LEU:HD12	1:135:A:THR:HG21	7	0.11
(3,1556)	1:67:A:LEU:HD12	1:135:A:THR:HG22	7	0.11
(3,1556)	1:67:A:LEU:HD12	1:135:A:THR:HG23	7	0.11
(3,1556)	1:67:A:LEU:HD13	1:135:A:THR:HG21	7	0.11
(3,1556)	1:67:A:LEU:HD13	1:135:A:THR:HG22	7	0.11
(3,1556)	1:67:A:LEU:HD13	1:135:A:THR:HG23	7	0.11
(3,1551)	1:15:A:LEU:HD11	1:50:A:LEU:HD11	7	0.11
(3,1551)	1:15:A:LEU:HD11	1:50:A:LEU:HD12	7	0.11
(3,1551)	1:15:A:LEU:HD11	1:50:A:LEU:HD13	7	0.11
(3,1551)	1:15:A:LEU:HD12	1:50:A:LEU:HD11	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1551)	1:15:A:LEU:HD12	1:50:A:LEU:HD12	7	0.11
(3,1551)	1:15:A:LEU:HD12	1:50:A:LEU:HD13	7	0.11
(3,1551)	1:15:A:LEU:HD13	1:50:A:LEU:HD11	7	0.11
(3,1551)	1:15:A:LEU:HD13	1:50:A:LEU:HD12	7	0.11
(3,1551)	1:15:A:LEU:HD13	1:50:A:LEU:HD13	7	0.11
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG21	11	0.11
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG22	11	0.11
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG23	11	0.11
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG21	11	0.11
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG22	11	0.11
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG23	11	0.11
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG21	11	0.11
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG22	11	0.11
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG23	11	0.11
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG21	8	0.11
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG22	8	0.11
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG23	8	0.11
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG21	8	0.11
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG22	8	0.11
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG23	8	0.11
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG21	8	0.11
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG22	8	0.11
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG23	8	0.11
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG21	17	0.11
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG22	17	0.11
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG23	17	0.11
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG21	17	0.11
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG22	17	0.11
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG23	17	0.11
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG21	17	0.11
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG22	17	0.11
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG23	17	0.11
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD21	13	0.11
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD22	13	0.11
(3,1490)	1:14:A:ALA:H	1:15:A:LEU:HD23	13	0.11
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG21	14	0.11
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG22	14	0.11
(3,1463)	1:75:A:ILE:HG21	1:79:A:VAL:HG23	14	0.11
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG21	14	0.11
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG22	14	0.11
(3,1463)	1:75:A:ILE:HG22	1:79:A:VAL:HG23	14	0.11
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG21	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG22	14	0.11
(3,1463)	1:75:A:ILE:HG23	1:79:A:VAL:HG23	14	0.11
(3,1426)	1:82:A:LEU:HD21	1:125:A:THR:HG21	14	0.11
(3,1426)	1:82:A:LEU:HD21	1:125:A:THR:HG22	14	0.11
(3,1426)	1:82:A:LEU:HD21	1:125:A:THR:HG23	14	0.11
(3,1426)	1:82:A:LEU:HD22	1:125:A:THR:HG21	14	0.11
(3,1426)	1:82:A:LEU:HD22	1:125:A:THR:HG22	14	0.11
(3,1426)	1:82:A:LEU:HD22	1:125:A:THR:HG23	14	0.11
(3,1426)	1:82:A:LEU:HD23	1:125:A:THR:HG21	14	0.11
(3,1426)	1:82:A:LEU:HD23	1:125:A:THR:HG22	14	0.11
(3,1426)	1:82:A:LEU:HD23	1:125:A:THR:HG23	14	0.11
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG21	1	0.11
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG22	1	0.11
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG23	1	0.11
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG21	1	0.11
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG22	1	0.11
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG23	1	0.11
(3,1419)	1:123:A:ASP:HB2	1:124:A:LEU:H	7	0.11
(3,1419)	1:123:A:ASP:HB2	1:124:A:LEU:H	12	0.11
(3,1419)	1:123:A:ASP:HB2	1:124:A:LEU:H	13	0.11
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE1	4	0.11
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE2	4	0.11
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE1	7	0.11
(3,1398)	1:107:A:VAL:HB	1:109:A:PHE:HE2	7	0.11
(3,1384)	1:104:A:VAL:HA	1:128:A:VAL:HB	7	0.11
(3,1372)	1:97:A:ALA:HB1	1:98:A:LEU:HD21	9	0.11
(3,1372)	1:97:A:ALA:HB1	1:98:A:LEU:HD22	9	0.11
(3,1372)	1:97:A:ALA:HB1	1:98:A:LEU:HD23	9	0.11
(3,1372)	1:97:A:ALA:HB2	1:98:A:LEU:HD21	9	0.11
(3,1372)	1:97:A:ALA:HB2	1:98:A:LEU:HD22	9	0.11
(3,1372)	1:97:A:ALA:HB2	1:98:A:LEU:HD23	9	0.11
(3,1372)	1:97:A:ALA:HB3	1:98:A:LEU:HD21	9	0.11
(3,1372)	1:97:A:ALA:HB3	1:98:A:LEU:HD22	9	0.11
(3,1372)	1:97:A:ALA:HB3	1:98:A:LEU:HD23	9	0.11
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG21	11	0.11
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG22	11	0.11
(3,1334)	1:55:A:ILE:HB	1:58:A:THR:HG23	11	0.11
(3,1324)	1:6:A:ILE:HG21	1:115:A:THR:HA	10	0.11
(3,1324)	1:6:A:ILE:HG22	1:115:A:THR:HA	10	0.11
(3,1324)	1:6:A:ILE:HG23	1:115:A:THR:HA	10	0.11
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG21	14	0.11
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG22	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG23	14	0.11
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG21	14	0.11
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG22	14	0.11
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG23	14	0.11
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG21	14	0.11
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG22	14	0.11
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG23	14	0.11
(3,1315)	1:59:A:ILE:HG21	1:65:A:ILE:HA	9	0.11
(3,1315)	1:59:A:ILE:HG22	1:65:A:ILE:HA	9	0.11
(3,1315)	1:59:A:ILE:HG23	1:65:A:ILE:HA	9	0.11
(3,1274)	1:13:A:ALA:HB1	1:14:A:ALA:HA	18	0.11
(3,1274)	1:13:A:ALA:HB2	1:14:A:ALA:HA	18	0.11
(3,1274)	1:13:A:ALA:HB3	1:14:A:ALA:HA	18	0.11
(3,1266)	1:2:A:SER:HB2	1:3:A:VAL:HA	6	0.11
(3,1266)	1:2:A:SER:HB3	1:3:A:VAL:HA	6	0.11
(3,1254)	1:134:A:THR:HG21	1:138:A:ALA:HB1	6	0.11
(3,1254)	1:134:A:THR:HG21	1:138:A:ALA:HB2	6	0.11
(3,1254)	1:134:A:THR:HG21	1:138:A:ALA:HB3	6	0.11
(3,1254)	1:134:A:THR:HG22	1:138:A:ALA:HB1	6	0.11
(3,1254)	1:134:A:THR:HG22	1:138:A:ALA:HB2	6	0.11
(3,1254)	1:134:A:THR:HG22	1:138:A:ALA:HB3	6	0.11
(3,1254)	1:134:A:THR:HG23	1:138:A:ALA:HB1	6	0.11
(3,1254)	1:134:A:THR:HG23	1:138:A:ALA:HB2	6	0.11
(3,1254)	1:134:A:THR:HG23	1:138:A:ALA:HB3	6	0.11
(3,1252)	1:150:A:LEU:HD11	1:153:A:PRO:HD2	19	0.11
(3,1252)	1:150:A:LEU:HD12	1:153:A:PRO:HD2	19	0.11
(3,1252)	1:150:A:LEU:HD13	1:153:A:PRO:HD2	19	0.11
(3,1252)	1:150:A:LEU:HD11	1:153:A:PRO:HD3	19	0.11
(3,1252)	1:150:A:LEU:HD12	1:153:A:PRO:HD3	19	0.11
(3,1252)	1:150:A:LEU:HD13	1:153:A:PRO:HD3	19	0.11
(3,1215)	1:59:A:ILE:HB	1:65:A:ILE:HD11	3	0.11
(3,1215)	1:59:A:ILE:HB	1:65:A:ILE:HD12	3	0.11
(3,1215)	1:59:A:ILE:HB	1:65:A:ILE:HD13	3	0.11
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG2	14	0.11
(3,1214)	1:65:A:ILE:HD11	1:133:A:GLN:HG3	14	0.11
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG2	14	0.11
(3,1214)	1:65:A:ILE:HD12	1:133:A:GLN:HG3	14	0.11
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG2	14	0.11
(3,1214)	1:65:A:ILE:HD13	1:133:A:GLN:HG3	14	0.11
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG21	13	0.11
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG22	13	0.11
(3,1209)	1:14:A:ALA:HB1	1:59:A:ILE:HG23	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG21	13	0.11
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG22	13	0.11
(3,1209)	1:14:A:ALA:HB2	1:59:A:ILE:HG23	13	0.11
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG21	13	0.11
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG22	13	0.11
(3,1209)	1:14:A:ALA:HB3	1:59:A:ILE:HG23	13	0.11
(3,1184)	1:45:A:VAL:HB	1:46:A:ASP:H	2	0.11
(3,1184)	1:45:A:VAL:HB	1:46:A:ASP:H	7	0.11
(3,1156)	1:11:A:LEU:HD11	1:12:A:GLY:HA3	17	0.11
(3,1156)	1:11:A:LEU:HD12	1:12:A:GLY:HA3	17	0.11
(3,1156)	1:11:A:LEU:HD13	1:12:A:GLY:HA3	17	0.11
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD11	14	0.11
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD12	14	0.11
(3,1082)	1:50:A:LEU:HD21	1:55:A:ILE:HD13	14	0.11
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD11	14	0.11
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD12	14	0.11
(3,1082)	1:50:A:LEU:HD22	1:55:A:ILE:HD13	14	0.11
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD11	14	0.11
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD12	14	0.11
(3,1082)	1:50:A:LEU:HD23	1:55:A:ILE:HD13	14	0.11
(3,1054)	1:31:A:GLU:HA	1:34:A:ARG:H	14	0.11
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD21	6	0.11
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD22	6	0.11
(3,1053)	1:29:A:ALA:HB1	1:44:A:LEU:HD23	6	0.11
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD21	6	0.11
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD22	6	0.11
(3,1053)	1:29:A:ALA:HB2	1:44:A:LEU:HD23	6	0.11
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD21	6	0.11
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD22	6	0.11
(3,1053)	1:29:A:ALA:HB3	1:44:A:LEU:HD23	6	0.11
(3,1005)	1:106:A:ARG:HA	1:132:A:TYR:H	1	0.11
(3,1004)	1:109:A:PHE:H	1:133:A:GLN:H	5	0.11
(3,988)	1:56:A:ALA:HA	1:58:A:THR:H	17	0.11
(3,986)	1:43:A:VAL:HB	1:46:A:ASP:H	3	0.11
(3,986)	1:43:A:VAL:HB	1:46:A:ASP:H	14	0.11
(3,983)	1:40:A:LEU:H	1:43:A:VAL:H	1	0.11
(3,976)	1:30:A:LEU:H	1:40:A:LEU:HD21	15	0.11
(3,976)	1:30:A:LEU:H	1:40:A:LEU:HD22	15	0.11
(3,976)	1:30:A:LEU:H	1:40:A:LEU:HD23	15	0.11
(3,974)	1:27:A:GLN:H	1:30:A:LEU:H	19	0.11
(3,973)	1:30:A:LEU:H	1:33:A:HIS:H	14	0.11
(3,967)	1:16:A:LEU:HD11	1:17:A:ASP:H	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,967)	1:16:A:LEU:HD12	1:17:A:ASP:H	7	0.11
(3,967)	1:16:A:LEU:HD13	1:17:A:ASP:H	7	0.11
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD21	12	0.11
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD22	12	0.11
(3,884)	1:116:A:LEU:H	1:116:A:LEU:HD23	12	0.11
(3,839)	1:81:A:ALA:HB1	1:83:A:LEU:H	17	0.11
(3,839)	1:81:A:ALA:HB2	1:83:A:LEU:H	17	0.11
(3,839)	1:81:A:ALA:HB3	1:83:A:LEU:H	17	0.11
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD11	17	0.11
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD12	17	0.11
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD13	17	0.11
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD11	18	0.11
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD12	18	0.11
(3,834)	1:81:A:ALA:H	1:82:A:LEU:HD13	18	0.11
(3,826)	1:117:A:SER:H	1:119:A:GLU:H	12	0.11
(3,826)	1:117:A:SER:H	1:119:A:GLU:H	14	0.11
(3,818)	1:63:A:PHE:HD1	1:64:A:GLY:H	4	0.11
(3,818)	1:63:A:PHE:HD2	1:64:A:GLY:H	4	0.11
(3,811)	1:62:A:ARG:H	1:64:A:GLY:H	19	0.11
(3,799)	1:24:A:GLU:H	1:27:A:GLN:HB2	17	0.11
(3,799)	1:24:A:GLU:H	1:27:A:GLN:HB3	17	0.11
(3,774)	1:35:A:GLU:HB3	1:36:A:VAL:H	2	0.11
(3,761)	1:27:A:GLN:HG2	1:30:A:LEU:H	16	0.11
(3,761)	1:27:A:GLN:HG3	1:30:A:LEU:H	16	0.11
(3,759)	1:27:A:GLN:H	1:29:A:ALA:H	8	0.11
(3,756)	1:27:A:GLN:HB2	1:29:A:ALA:H	13	0.11
(3,756)	1:27:A:GLN:HB3	1:29:A:ALA:H	13	0.11
(3,754)	1:28:A:ARG:H	1:29:A:ALA:HB1	17	0.11
(3,754)	1:28:A:ARG:H	1:29:A:ALA:HB2	17	0.11
(3,754)	1:28:A:ARG:H	1:29:A:ALA:HB3	17	0.11
(3,753)	1:26:A:LEU:HD21	1:27:A:GLN:H	8	0.11
(3,753)	1:26:A:LEU:HD22	1:27:A:GLN:H	8	0.11
(3,753)	1:26:A:LEU:HD23	1:27:A:GLN:H	8	0.11
(3,752)	1:23:A:ASP:HB2	1:27:A:GLN:H	4	0.11
(3,752)	1:23:A:ASP:HB3	1:27:A:GLN:H	4	0.11
(3,752)	1:23:A:ASP:HB2	1:27:A:GLN:H	16	0.11
(3,752)	1:23:A:ASP:HB3	1:27:A:GLN:H	16	0.11
(3,744)	1:45:A:VAL:HG11	1:52:A:GLU:H	10	0.11
(3,744)	1:45:A:VAL:HG12	1:52:A:GLU:H	10	0.11
(3,744)	1:45:A:VAL:HG13	1:52:A:GLU:H	10	0.11
(3,730)	1:14:A:ALA:HB1	1:18:A:ALA:H	7	0.11
(3,730)	1:14:A:ALA:HB2	1:18:A:ALA:H	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,730)	1:14:A:ALA:HB3	1:18:A:ALA:H	7	0.11
(3,719)	1:10:A:ARG:HA	1:12:A:GLY:H	8	0.11
(3,712)	1:4:A:LEU:HD11	1:8:A:ASP:H	2	0.11
(3,712)	1:4:A:LEU:HD12	1:8:A:ASP:H	2	0.11
(3,712)	1:4:A:LEU:HD13	1:8:A:ASP:H	2	0.11
(3,712)	1:4:A:LEU:HD11	1:8:A:ASP:H	15	0.11
(3,712)	1:4:A:LEU:HD12	1:8:A:ASP:H	15	0.11
(3,712)	1:4:A:LEU:HD13	1:8:A:ASP:H	15	0.11
(3,711)	1:6:A:ILE:HG21	1:8:A:ASP:H	5	0.11
(3,711)	1:6:A:ILE:HG22	1:8:A:ASP:H	5	0.11
(3,711)	1:6:A:ILE:HG23	1:8:A:ASP:H	5	0.11
(3,710)	1:7:A:GLY:H	1:115:A:THR:HB	17	0.11
(3,691)	1:124:A:LEU:HG	1:125:A:THR:H	9	0.11
(3,677)	1:103:A:GLY:H	1:104:A:VAL:HG11	19	0.11
(3,677)	1:103:A:GLY:H	1:104:A:VAL:HG12	19	0.11
(3,677)	1:103:A:GLY:H	1:104:A:VAL:HG13	19	0.11
(3,677)	1:103:A:GLY:H	1:104:A:VAL:HG21	19	0.11
(3,677)	1:103:A:GLY:H	1:104:A:VAL:HG22	19	0.11
(3,677)	1:103:A:GLY:H	1:104:A:VAL:HG23	19	0.11
(3,665)	1:59:A:ILE:HG21	1:64:A:GLY:H	9	0.11
(3,665)	1:59:A:ILE:HG22	1:64:A:GLY:H	9	0.11
(3,665)	1:59:A:ILE:HG23	1:64:A:GLY:H	9	0.11
(3,655)	1:22:A:THR:H	1:25:A:GLU:HA	4	0.11
(3,647)	1:126:A:GLY:H	1:127:A:LEU:HG	1	0.11
(3,647)	1:126:A:GLY:H	1:127:A:LEU:HG	19	0.11
(3,643)	1:33:A:HIS:HA	1:37:A:GLY:H	15	0.11
(3,628)	1:109:A:PHE:HB3	1:111:A:ASN:H	1	0.11
(3,596)	1:83:A:LEU:HD11	1:89:A:LYS:H	7	0.11
(3,596)	1:83:A:LEU:HD12	1:89:A:LYS:H	7	0.11
(3,596)	1:83:A:LEU:HD13	1:89:A:LYS:H	7	0.11
(3,596)	1:83:A:LEU:HD11	1:89:A:LYS:H	18	0.11
(3,596)	1:83:A:LEU:HD12	1:89:A:LYS:H	18	0.11
(3,596)	1:83:A:LEU:HD13	1:89:A:LYS:H	18	0.11
(3,589)	1:96:A:PHE:H	1:106:A:ARG:HA	17	0.11
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD21	11	0.11
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD22	11	0.11
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD23	11	0.11
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD21	15	0.11
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD22	15	0.11
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD23	15	0.11
(3,577)	1:44:A:LEU:HB2	1:50:A:LEU:H	11	0.11
(3,553)	1:77:A:PRO:HB3	1:78:A:LYS:H	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,553)	1:77:A:PRO:HB3	1:78:A:LYS:H	5	0.11
(3,550)	1:145:A:LYS:H	1:145:A:LYS:HE2	6	0.11
(3,550)	1:145:A:LYS:H	1:145:A:LYS:HE3	6	0.11
(3,502)	1:81:A:ALA:H	1:82:A:LEU:HG	4	0.11
(3,502)	1:81:A:ALA:H	1:82:A:LEU:HG	11	0.11
(3,491)	1:56:A:ALA:HB1	1:58:A:THR:H	16	0.11
(3,491)	1:56:A:ALA:HB2	1:58:A:THR:H	16	0.11
(3,491)	1:56:A:ALA:HB3	1:58:A:THR:H	16	0.11
(3,491)	1:56:A:ALA:HB1	1:58:A:THR:H	17	0.11
(3,491)	1:56:A:ALA:HB2	1:58:A:THR:H	17	0.11
(3,491)	1:56:A:ALA:HB3	1:58:A:THR:H	17	0.11
(3,485)	1:143:A:LEU:HD21	1:144:A:ALA:H	6	0.11
(3,485)	1:143:A:LEU:HD22	1:144:A:ALA:H	6	0.11
(3,485)	1:143:A:LEU:HD23	1:144:A:ALA:H	6	0.11
(3,441)	1:124:A:LEU:H	1:125:A:THR:HG21	6	0.11
(3,441)	1:124:A:LEU:H	1:125:A:THR:HG22	6	0.11
(3,441)	1:124:A:LEU:H	1:125:A:THR:HG23	6	0.11
(3,413)	1:107:A:VAL:HB	1:132:A:TYR:H	1	0.11
(3,413)	1:107:A:VAL:HB	1:132:A:TYR:H	3	0.11
(3,382)	1:25:A:GLU:HB3	1:26:A:LEU:H	7	0.11
(3,382)	1:25:A:GLU:HB3	1:26:A:LEU:H	18	0.11
(3,363)	1:120:A:GLU:HB2	1:121:A:VAL:H	1	0.11
(3,355)	1:27:A:GLN:HG2	1:28:A:ARG:H	1	0.11
(3,355)	1:27:A:GLN:HG3	1:28:A:ARG:H	1	0.11
(3,346)	1:58:A:THR:HG21	1:61:A:ASP:H	1	0.11
(3,346)	1:58:A:THR:HG22	1:61:A:ASP:H	1	0.11
(3,346)	1:58:A:THR:HG23	1:61:A:ASP:H	1	0.11
(3,346)	1:58:A:THR:HG21	1:61:A:ASP:H	15	0.11
(3,346)	1:58:A:THR:HG22	1:61:A:ASP:H	15	0.11
(3,346)	1:58:A:THR:HG23	1:61:A:ASP:H	15	0.11
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD21	20	0.11
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD22	20	0.11
(3,274)	1:150:A:LEU:H	1:150:A:LEU:HD23	20	0.11
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG21	10	0.11
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG22	10	0.11
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG23	10	0.11
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG21	16	0.11
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG22	16	0.11
(3,270)	1:120:A:GLU:H	1:121:A:VAL:HG23	16	0.11
(3,242)	1:9:A:LYS:H	1:9:A:LYS:HD2	5	0.11
(3,242)	1:9:A:LYS:H	1:9:A:LYS:HD3	5	0.11
(3,196)	1:55:A:ILE:HD11	1:56:A:ALA:H	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,196)	1:55:A:ILE:HD12	1:56:A:ALA:H	11	0.11
(3,196)	1:55:A:ILE:HD13	1:56:A:ALA:H	11	0.11
(3,193)	1:55:A:ILE:HG12	1:56:A:ALA:H	3	0.11
(3,193)	1:55:A:ILE:HG13	1:56:A:ALA:H	3	0.11
(3,193)	1:55:A:ILE:HG12	1:56:A:ALA:H	17	0.11
(3,193)	1:55:A:ILE:HG13	1:56:A:ALA:H	17	0.11
(3,167)	1:55:A:ILE:H	1:55:A:ILE:HG12	3	0.11
(3,167)	1:55:A:ILE:H	1:55:A:ILE:HG13	3	0.11
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD2	7	0.11
(3,156)	1:8:A:ASP:H	1:9:A:LYS:HD3	7	0.11
(3,143)	1:55:A:ILE:HG21	1:59:A:ILE:H	17	0.11
(3,143)	1:55:A:ILE:HG22	1:59:A:ILE:H	17	0.11
(3,143)	1:55:A:ILE:HG23	1:59:A:ILE:H	17	0.11
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD11	16	0.11
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD12	16	0.11
(3,137)	1:118:A:LEU:H	1:118:A:LEU:HD13	16	0.11
(3,114)	1:68:A:VAL:H	1:68:A:VAL:HB	4	0.11
(3,108)	1:88:A:ALA:HB1	1:93:A:ALA:H	18	0.11
(3,108)	1:88:A:ALA:HB2	1:93:A:ALA:H	18	0.11
(3,108)	1:88:A:ALA:HB3	1:93:A:ALA:H	18	0.11
(3,26)	1:122:A:GLU:HB3	1:129:A:VAL:H	20	0.11
(3,1)	1:104:A:VAL:HA	1:130:A:GLU:H	1	0.11
(1,8)	1:4:A:LEU:HD21	1:9:A:LYS:HE2	17	0.11
(1,8)	1:4:A:LEU:HD21	1:9:A:LYS:HE3	17	0.11
(1,8)	1:4:A:LEU:HD22	1:9:A:LYS:HE2	17	0.11
(1,8)	1:4:A:LEU:HD22	1:9:A:LYS:HE3	17	0.11
(1,8)	1:4:A:LEU:HD23	1:9:A:LYS:HE2	17	0.11
(1,8)	1:4:A:LEU:HD23	1:9:A:LYS:HE3	17	0.11
(1,7)	1:4:A:LEU:HD11	1:9:A:LYS:HD2	16	0.11
(1,7)	1:4:A:LEU:HD11	1:9:A:LYS:HD3	16	0.11
(1,7)	1:4:A:LEU:HD12	1:9:A:LYS:HD2	16	0.11
(1,7)	1:4:A:LEU:HD12	1:9:A:LYS:HD3	16	0.11
(1,7)	1:4:A:LEU:HD13	1:9:A:LYS:HD2	16	0.11
(1,7)	1:4:A:LEU:HD13	1:9:A:LYS:HD3	16	0.11
(1,6)	1:142:A:ALA:HB1	1:85:A:ALA:HA	20	0.11
(1,6)	1:142:A:ALA:HB2	1:85:A:ALA:HA	20	0.11
(1,6)	1:142:A:ALA:HB3	1:85:A:ALA:HA	20	0.11
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG11	1	0.11
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG12	1	0.11
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG13	1	0.11
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG11	1	0.11
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG12	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG13	1	0.11
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG11	1	0.11
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG12	1	0.11
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG13	1	0.11
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG11	3	0.11
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG12	3	0.11
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG13	3	0.11
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG11	3	0.11
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG12	3	0.11
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG13	3	0.11
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG11	3	0.11
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG12	3	0.11
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG13	3	0.11
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG11	6	0.11
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG12	6	0.11
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG13	6	0.11
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG11	6	0.11
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG12	6	0.11
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG13	6	0.11
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG11	6	0.11
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG12	6	0.11
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG13	6	0.11
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG11	15	0.11
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG12	15	0.11
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG13	15	0.11
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG11	15	0.11
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG12	15	0.11
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG13	15	0.11
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG11	15	0.11
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG12	15	0.11
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG13	15	0.11
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG11	16	0.11
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG12	16	0.11
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG13	16	0.11
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG11	16	0.11
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG12	16	0.11
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG13	16	0.11
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG11	16	0.11
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG12	16	0.11
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG13	16	0.11
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG11	20	0.11
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG12	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG13	20	0.11
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG11	20	0.11
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG12	20	0.11
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG13	20	0.11
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG11	20	0.11
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG12	20	0.11
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG13	20	0.11
(6,6)	1:85:A:ALA:HA	1:142:A:ALA:HB1	3	0.1
(6,6)	1:85:A:ALA:HA	1:142:A:ALA:HB2	3	0.1
(6,6)	1:85:A:ALA:HA	1:142:A:ALA:HB3	3	0.1
(6,6)	1:85:A:ALA:HA	1:142:A:ALA:HB1	6	0.1
(6,6)	1:85:A:ALA:HA	1:142:A:ALA:HB2	6	0.1
(6,6)	1:85:A:ALA:HA	1:142:A:ALA:HB3	6	0.1
(6,6)	1:85:A:ALA:HA	1:142:A:ALA:HB1	13	0.1
(6,6)	1:85:A:ALA:HA	1:142:A:ALA:HB2	13	0.1
(6,6)	1:85:A:ALA:HA	1:142:A:ALA:HB3	13	0.1
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB1	13	0.1
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB2	13	0.1
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB3	13	0.1
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB1	13	0.1
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB2	13	0.1
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB3	13	0.1
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB1	13	0.1
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB2	13	0.1
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB3	13	0.1
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB1	19	0.1
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB2	19	0.1
(6,5)	1:73:A:VAL:HG11	1:142:A:ALA:HB3	19	0.1
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB1	19	0.1
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB2	19	0.1
(6,5)	1:73:A:VAL:HG12	1:142:A:ALA:HB3	19	0.1
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB1	19	0.1
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB2	19	0.1
(6,5)	1:73:A:VAL:HG13	1:142:A:ALA:HB3	19	0.1
(4,18)	1:94:A:ILE:H	1:108:A:ALA:O	4	0.1
(4,17)	1:94:A:ILE:N	1:108:A:ALA:O	10	0.1
(4,16)	1:109:A:PHE:H	1:132:A:TYR:O	20	0.1
(4,3)	1:105:A:VAL:N	1:128:A:VAL:O	2	0.1
(4,3)	1:105:A:VAL:N	1:128:A:VAL:O	19	0.1
(4,2)	1:103:A:GLY:O	1:128:A:VAL:H	2	0.1
(4,2)	1:103:A:GLY:O	1:128:A:VAL:H	13	0.1
(3,2050)	1:90:A:GLU:HB2	1:91:A:LEU:H	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2050)	1:90:A:GLU:HB3	1:91:A:LEU:H	7	0.1
(3,2050)	1:90:A:GLU:HB2	1:91:A:LEU:H	18	0.1
(3,2050)	1:90:A:GLU:HB3	1:91:A:LEU:H	18	0.1
(3,2047)	1:89:A:LYS:HG2	1:90:A:GLU:H	10	0.1
(3,2047)	1:89:A:LYS:HG3	1:90:A:GLU:H	10	0.1
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB2	9	0.1
(3,2042)	1:89:A:LYS:H	1:90:A:GLU:HB3	9	0.1
(3,1954)	1:60:A:GLU:HG2	1:66:A:PRO:HA	16	0.1
(3,1954)	1:60:A:GLU:HG3	1:66:A:PRO:HA	16	0.1
(3,1912)	1:51:A:SER:HB2	1:52:A:GLU:H	12	0.1
(3,1912)	1:51:A:SER:HB3	1:52:A:GLU:H	12	0.1
(3,1880)	1:45:A:VAL:HA	1:51:A:SER:HB2	3	0.1
(3,1880)	1:45:A:VAL:HA	1:51:A:SER:HB3	3	0.1
(3,1875)	1:44:A:LEU:HB2	1:55:A:ILE:HG12	2	0.1
(3,1875)	1:44:A:LEU:HB2	1:55:A:ILE:HG13	2	0.1
(3,1875)	1:44:A:LEU:HB3	1:55:A:ILE:HG12	2	0.1
(3,1875)	1:44:A:LEU:HB3	1:55:A:ILE:HG13	2	0.1
(3,1807)	1:30:A:LEU:H	1:31:A:GLU:HG2	5	0.1
(3,1807)	1:30:A:LEU:H	1:31:A:GLU:HG3	5	0.1
(3,1803)	1:29:A:ALA:H	1:30:A:LEU:HB2	11	0.1
(3,1803)	1:29:A:ALA:H	1:30:A:LEU:HB3	11	0.1
(3,1769)	1:16:A:LEU:HB2	1:17:A:ASP:HA	3	0.1
(3,1769)	1:16:A:LEU:HB3	1:17:A:ASP:HA	3	0.1
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD21	4	0.1
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD22	4	0.1
(3,1764)	1:15:A:LEU:HB2	1:40:A:LEU:HD23	4	0.1
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD21	4	0.1
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD22	4	0.1
(3,1764)	1:15:A:LEU:HB3	1:40:A:LEU:HD23	4	0.1
(3,1744)	1:11:A:LEU:HB2	1:12:A:GLY:H	5	0.1
(3,1744)	1:11:A:LEU:HB3	1:12:A:GLY:H	5	0.1
(3,1713)	1:7:A:GLY:H	1:113:A:LEU:HB2	2	0.1
(3,1713)	1:7:A:GLY:H	1:113:A:LEU:HB3	2	0.1
(3,1678)	1:118:A:LEU:HA	1:129:A:VAL:HG21	17	0.1
(3,1678)	1:118:A:LEU:HA	1:129:A:VAL:HG22	17	0.1
(3,1678)	1:118:A:LEU:HA	1:129:A:VAL:HG23	17	0.1
(3,1657)	1:118:A:LEU:HD21	1:129:A:VAL:HG11	20	0.1
(3,1657)	1:118:A:LEU:HD21	1:129:A:VAL:HG12	20	0.1
(3,1657)	1:118:A:LEU:HD21	1:129:A:VAL:HG13	20	0.1
(3,1657)	1:118:A:LEU:HD22	1:129:A:VAL:HG11	20	0.1
(3,1657)	1:118:A:LEU:HD22	1:129:A:VAL:HG12	20	0.1
(3,1657)	1:118:A:LEU:HD22	1:129:A:VAL:HG13	20	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1657)	1:118:A:LEU:HD23	1:129:A:VAL:HG11	20	0.1
(3,1657)	1:118:A:LEU:HD23	1:129:A:VAL:HG12	20	0.1
(3,1657)	1:118:A:LEU:HD23	1:129:A:VAL:HG13	20	0.1
(3,1644)	1:113:A:LEU:HD21	1:114:A:ASP:H	12	0.1
(3,1644)	1:113:A:LEU:HD22	1:114:A:ASP:H	12	0.1
(3,1644)	1:113:A:LEU:HD23	1:114:A:ASP:H	12	0.1
(3,1616)	1:79:A:VAL:HG21	1:105:A:VAL:HG11	1	0.1
(3,1616)	1:79:A:VAL:HG21	1:105:A:VAL:HG12	1	0.1
(3,1616)	1:79:A:VAL:HG21	1:105:A:VAL:HG13	1	0.1
(3,1616)	1:79:A:VAL:HG22	1:105:A:VAL:HG11	1	0.1
(3,1616)	1:79:A:VAL:HG22	1:105:A:VAL:HG12	1	0.1
(3,1616)	1:79:A:VAL:HG22	1:105:A:VAL:HG13	1	0.1
(3,1616)	1:79:A:VAL:HG23	1:105:A:VAL:HG11	1	0.1
(3,1616)	1:79:A:VAL:HG23	1:105:A:VAL:HG12	1	0.1
(3,1616)	1:79:A:VAL:HG23	1:105:A:VAL:HG13	1	0.1
(3,1604)	1:98:A:LEU:HD11	1:100:A:GLU:HG2	19	0.1
(3,1604)	1:98:A:LEU:HD11	1:100:A:GLU:HG3	19	0.1
(3,1604)	1:98:A:LEU:HD12	1:100:A:GLU:HG2	19	0.1
(3,1604)	1:98:A:LEU:HD12	1:100:A:GLU:HG3	19	0.1
(3,1604)	1:98:A:LEU:HD13	1:100:A:GLU:HG2	19	0.1
(3,1604)	1:98:A:LEU:HD13	1:100:A:GLU:HG3	19	0.1
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD21	14	0.1
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD22	14	0.1
(3,1603)	1:90:A:GLU:HA	1:91:A:LEU:HD23	14	0.1
(3,1579)	1:79:A:VAL:HG11	1:98:A:LEU:H	14	0.1
(3,1579)	1:79:A:VAL:HG12	1:98:A:LEU:H	14	0.1
(3,1579)	1:79:A:VAL:HG13	1:98:A:LEU:H	14	0.1
(3,1562)	1:68:A:VAL:HG21	1:132:A:TYR:HE1	7	0.1
(3,1562)	1:68:A:VAL:HG21	1:132:A:TYR:HE2	7	0.1
(3,1562)	1:68:A:VAL:HG22	1:132:A:TYR:HE1	7	0.1
(3,1562)	1:68:A:VAL:HG22	1:132:A:TYR:HE2	7	0.1
(3,1562)	1:68:A:VAL:HG23	1:132:A:TYR:HE1	7	0.1
(3,1562)	1:68:A:VAL:HG23	1:132:A:TYR:HE2	7	0.1
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG21	17	0.1
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG22	17	0.1
(3,1526)	1:29:A:ALA:HB1	1:43:A:VAL:HG23	17	0.1
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG21	17	0.1
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG22	17	0.1
(3,1526)	1:29:A:ALA:HB2	1:43:A:VAL:HG23	17	0.1
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG21	17	0.1
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG22	17	0.1
(3,1526)	1:29:A:ALA:HB3	1:43:A:VAL:HG23	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG21	20	0.1
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG22	20	0.1
(3,1517)	1:40:A:LEU:HD11	1:43:A:VAL:HG23	20	0.1
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG21	20	0.1
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG22	20	0.1
(3,1517)	1:40:A:LEU:HD12	1:43:A:VAL:HG23	20	0.1
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG21	20	0.1
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG22	20	0.1
(3,1517)	1:40:A:LEU:HD13	1:43:A:VAL:HG23	20	0.1
(3,1502)	1:20:A:LEU:HB2	1:21:A:LEU:HD11	15	0.1
(3,1502)	1:20:A:LEU:HB2	1:21:A:LEU:HD12	15	0.1
(3,1502)	1:20:A:LEU:HB2	1:21:A:LEU:HD13	15	0.1
(3,1502)	1:20:A:LEU:HB3	1:21:A:LEU:HD11	15	0.1
(3,1502)	1:20:A:LEU:HB3	1:21:A:LEU:HD12	15	0.1
(3,1502)	1:20:A:LEU:HB3	1:21:A:LEU:HD13	15	0.1
(3,1471)	1:83:A:LEU:HG	1:88:A:ALA:HB1	7	0.1
(3,1471)	1:83:A:LEU:HG	1:88:A:ALA:HB2	7	0.1
(3,1471)	1:83:A:LEU:HG	1:88:A:ALA:HB3	7	0.1
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG21	15	0.1
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG22	15	0.1
(3,1425)	1:105:A:VAL:HB	1:125:A:THR:HG23	15	0.1
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG21	2	0.1
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG22	2	0.1
(3,1423)	1:124:A:LEU:HA	1:125:A:THR:HG23	2	0.1
(3,1419)	1:123:A:ASP:HB2	1:124:A:LEU:H	8	0.1
(3,1419)	1:123:A:ASP:HB2	1:124:A:LEU:H	11	0.1
(3,1419)	1:123:A:ASP:HB2	1:124:A:LEU:H	18	0.1
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG21	17	0.1
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG22	17	0.1
(3,1387)	1:104:A:VAL:HA	1:128:A:VAL:HG23	17	0.1
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG21	4	0.1
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG22	4	0.1
(3,1316)	1:58:A:THR:HG21	1:59:A:ILE:HG23	4	0.1
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG21	4	0.1
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG22	4	0.1
(3,1316)	1:58:A:THR:HG22	1:59:A:ILE:HG23	4	0.1
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG21	4	0.1
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG22	4	0.1
(3,1316)	1:58:A:THR:HG23	1:59:A:ILE:HG23	4	0.1
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG21	16	0.1
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG22	16	0.1
(3,1313)	1:56:A:ALA:HB1	1:58:A:THR:HG23	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG21	16	0.1
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG22	16	0.1
(3,1313)	1:56:A:ALA:HB2	1:58:A:THR:HG23	16	0.1
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG21	16	0.1
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG22	16	0.1
(3,1313)	1:56:A:ALA:HB3	1:58:A:THR:HG23	16	0.1
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG21	14	0.1
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG22	14	0.1
(3,1306)	1:44:A:LEU:HD11	1:55:A:ILE:HG23	14	0.1
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG21	14	0.1
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG22	14	0.1
(3,1306)	1:44:A:LEU:HD12	1:55:A:ILE:HG23	14	0.1
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG21	14	0.1
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG22	14	0.1
(3,1306)	1:44:A:LEU:HD13	1:55:A:ILE:HG23	14	0.1
(3,1281)	1:22:A:THR:HB	1:23:A:ASP:HB2	10	0.1
(3,1281)	1:22:A:THR:HB	1:23:A:ASP:HB3	10	0.1
(3,1259)	1:115:A:THR:HA	1:118:A:LEU:HD21	19	0.1
(3,1259)	1:115:A:THR:HA	1:118:A:LEU:HD22	19	0.1
(3,1259)	1:115:A:THR:HA	1:118:A:LEU:HD23	19	0.1
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB1	19	0.1
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB2	19	0.1
(3,1256)	1:94:A:ILE:HG21	1:138:A:ALA:HB3	19	0.1
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB1	19	0.1
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB2	19	0.1
(3,1256)	1:94:A:ILE:HG22	1:138:A:ALA:HB3	19	0.1
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB1	19	0.1
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB2	19	0.1
(3,1256)	1:94:A:ILE:HG23	1:138:A:ALA:HB3	19	0.1
(3,1241)	1:108:A:ALA:HB1	1:134:A:THR:HA	2	0.1
(3,1241)	1:108:A:ALA:HB2	1:134:A:THR:HA	2	0.1
(3,1241)	1:108:A:ALA:HB3	1:134:A:THR:HA	2	0.1
(3,1222)	1:112:A:PRO:HA	1:113:A:LEU:HA	7	0.1
(3,1193)	1:52:A:GLU:HB2	1:55:A:ILE:HD11	2	0.1
(3,1193)	1:52:A:GLU:HB2	1:55:A:ILE:HD12	2	0.1
(3,1193)	1:52:A:GLU:HB2	1:55:A:ILE:HD13	2	0.1
(3,1193)	1:52:A:GLU:HB3	1:55:A:ILE:HD11	2	0.1
(3,1193)	1:52:A:GLU:HB3	1:55:A:ILE:HD12	2	0.1
(3,1193)	1:52:A:GLU:HB3	1:55:A:ILE:HD13	2	0.1
(3,1054)	1:31:A:GLU:HA	1:34:A:ARG:H	9	0.1
(3,1002)	1:106:A:ARG:H	1:107:A:VAL:H	4	0.1
(3,976)	1:30:A:LEU:H	1:40:A:LEU:HD21	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,976)	1:30:A:LEU:H	1:40:A:LEU:HD22	9	0.1
(3,976)	1:30:A:LEU:H	1:40:A:LEU:HD23	9	0.1
(3,872)	1:95:A:PRO:HA	1:107:A:VAL:H	18	0.1
(3,869)	1:104:A:VAL:H	1:105:A:VAL:H	10	0.1
(3,850)	1:92:A:LYS:HG2	1:93:A:ALA:H	6	0.1
(3,850)	1:92:A:LYS:HG3	1:93:A:ALA:H	6	0.1
(3,848)	1:92:A:LYS:H	1:139:A:PHE:HE1	5	0.1
(3,848)	1:92:A:LYS:H	1:139:A:PHE:HE2	5	0.1
(3,848)	1:92:A:LYS:H	1:139:A:PHE:HE1	15	0.1
(3,848)	1:92:A:LYS:H	1:139:A:PHE:HE2	15	0.1
(3,818)	1:63:A:PHE:HD1	1:64:A:GLY:H	16	0.1
(3,818)	1:63:A:PHE:HD2	1:64:A:GLY:H	16	0.1
(3,818)	1:63:A:PHE:HD1	1:64:A:GLY:H	17	0.1
(3,818)	1:63:A:PHE:HD2	1:64:A:GLY:H	17	0.1
(3,811)	1:62:A:ARG:H	1:64:A:GLY:H	15	0.1
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB2	2	0.1
(3,767)	1:33:A:HIS:H	1:34:A:ARG:HB3	2	0.1
(3,759)	1:27:A:GLN:H	1:29:A:ALA:H	3	0.1
(3,753)	1:26:A:LEU:HD21	1:27:A:GLN:H	16	0.1
(3,753)	1:26:A:LEU:HD22	1:27:A:GLN:H	16	0.1
(3,753)	1:26:A:LEU:HD23	1:27:A:GLN:H	16	0.1
(3,731)	1:18:A:ALA:H	1:20:A:LEU:HG	18	0.1
(3,719)	1:10:A:ARG:HA	1:12:A:GLY:H	2	0.1
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD21	1	0.1
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD22	1	0.1
(3,648)	1:126:A:GLY:H	1:127:A:LEU:HD23	1	0.1
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD21	17	0.1
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD22	17	0.1
(3,582)	1:50:A:LEU:H	1:50:A:LEU:HD23	17	0.1
(3,553)	1:77:A:PRO:HB3	1:78:A:LYS:H	12	0.1
(3,538)	1:46:A:ASP:HB2	1:47:A:MET:H	15	0.1
(3,502)	1:81:A:ALA:H	1:82:A:LEU:HG	5	0.1
(3,469)	1:83:A:LEU:HD11	1:87:A:LYS:H	4	0.1
(3,469)	1:83:A:LEU:HD12	1:87:A:LYS:H	4	0.1
(3,469)	1:83:A:LEU:HD13	1:87:A:LYS:H	4	0.1
(3,425)	1:132:A:TYR:HE1	1:133:A:GLN:H	15	0.1
(3,425)	1:132:A:TYR:HE2	1:133:A:GLN:H	15	0.1
(3,413)	1:107:A:VAL:HB	1:132:A:TYR:H	9	0.1
(3,408)	1:129:A:VAL:HG21	1:132:A:TYR:H	6	0.1
(3,408)	1:129:A:VAL:HG22	1:132:A:TYR:H	6	0.1
(3,408)	1:129:A:VAL:HG23	1:132:A:TYR:H	6	0.1
(3,408)	1:129:A:VAL:HG21	1:132:A:TYR:H	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,408)	1:129:A:VAL:HG22	1:132:A:TYR:H	9	0.1
(3,408)	1:129:A:VAL:HG23	1:132:A:TYR:H	9	0.1
(3,408)	1:129:A:VAL:HG21	1:132:A:TYR:H	11	0.1
(3,408)	1:129:A:VAL:HG22	1:132:A:TYR:H	11	0.1
(3,408)	1:129:A:VAL:HG23	1:132:A:TYR:H	11	0.1
(3,408)	1:129:A:VAL:HG21	1:132:A:TYR:H	16	0.1
(3,408)	1:129:A:VAL:HG22	1:132:A:TYR:H	16	0.1
(3,408)	1:129:A:VAL:HG23	1:132:A:TYR:H	16	0.1
(3,385)	1:75:A:ILE:HG21	1:80:A:LYS:H	20	0.1
(3,385)	1:75:A:ILE:HG22	1:80:A:LYS:H	20	0.1
(3,385)	1:75:A:ILE:HG23	1:80:A:LYS:H	20	0.1
(3,369)	1:49:A:LEU:H	1:49:A:LEU:HD11	7	0.1
(3,369)	1:49:A:LEU:H	1:49:A:LEU:HD12	7	0.1
(3,369)	1:49:A:LEU:H	1:49:A:LEU:HD13	7	0.1
(3,369)	1:49:A:LEU:H	1:49:A:LEU:HD11	13	0.1
(3,369)	1:49:A:LEU:H	1:49:A:LEU:HD12	13	0.1
(3,369)	1:49:A:LEU:H	1:49:A:LEU:HD13	13	0.1
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG11	19	0.1
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG12	19	0.1
(3,303)	1:33:A:HIS:H	1:36:A:VAL:HG13	19	0.1
(3,193)	1:55:A:ILE:HG12	1:56:A:ALA:H	7	0.1
(3,193)	1:55:A:ILE:HG13	1:56:A:ALA:H	7	0.1
(3,193)	1:55:A:ILE:HG12	1:56:A:ALA:H	14	0.1
(3,193)	1:55:A:ILE:HG13	1:56:A:ALA:H	14	0.1
(3,141)	1:56:A:ALA:HB1	1:59:A:ILE:H	15	0.1
(3,141)	1:56:A:ALA:HB2	1:59:A:ILE:H	15	0.1
(3,141)	1:56:A:ALA:HB3	1:59:A:ILE:H	15	0.1
(3,114)	1:68:A:VAL:H	1:68:A:VAL:HB	10	0.1
(3,74)	1:5:A:THR:HG21	1:40:A:LEU:H	10	0.1
(3,74)	1:5:A:THR:HG22	1:40:A:LEU:H	10	0.1
(3,74)	1:5:A:THR:HG23	1:40:A:LEU:H	10	0.1
(1,6)	1:142:A:ALA:HB1	1:85:A:ALA:HA	3	0.1
(1,6)	1:142:A:ALA:HB2	1:85:A:ALA:HA	3	0.1
(1,6)	1:142:A:ALA:HB3	1:85:A:ALA:HA	3	0.1
(1,6)	1:142:A:ALA:HB1	1:85:A:ALA:HA	6	0.1
(1,6)	1:142:A:ALA:HB2	1:85:A:ALA:HA	6	0.1
(1,6)	1:142:A:ALA:HB3	1:85:A:ALA:HA	6	0.1
(1,6)	1:142:A:ALA:HB1	1:85:A:ALA:HA	13	0.1
(1,6)	1:142:A:ALA:HB2	1:85:A:ALA:HA	13	0.1
(1,6)	1:142:A:ALA:HB3	1:85:A:ALA:HA	13	0.1
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG11	13	0.1
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG12	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG13	13	0.1
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG11	13	0.1
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG12	13	0.1
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG13	13	0.1
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG11	13	0.1
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG12	13	0.1
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG13	13	0.1
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG11	19	0.1
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG12	19	0.1
(1,5)	1:142:A:ALA:HB1	1:73:A:VAL:HG13	19	0.1
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG11	19	0.1
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG12	19	0.1
(1,5)	1:142:A:ALA:HB2	1:73:A:VAL:HG13	19	0.1
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG11	19	0.1
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG12	19	0.1
(1,5)	1:142:A:ALA:HB3	1:73:A:VAL:HG13	19	0.1

10 Dihedral-angle violation analysis

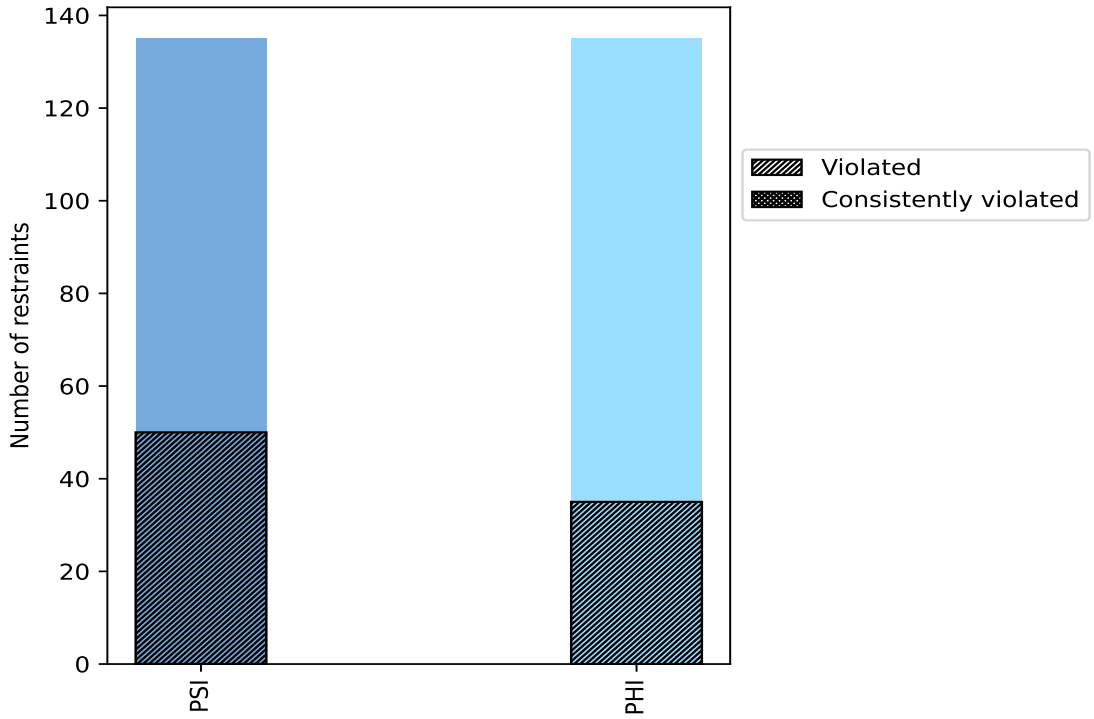
10.1 Summary of dihedral-angle violations

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]
PSI	135	50.0	50	37.0	18.5	0	0.0	0.0
PHI	135	50.0	35	25.9	13.0	0	0.0	0.0
Total	270	100.0	85	31.5	31.5	0	0.0	0.0

[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



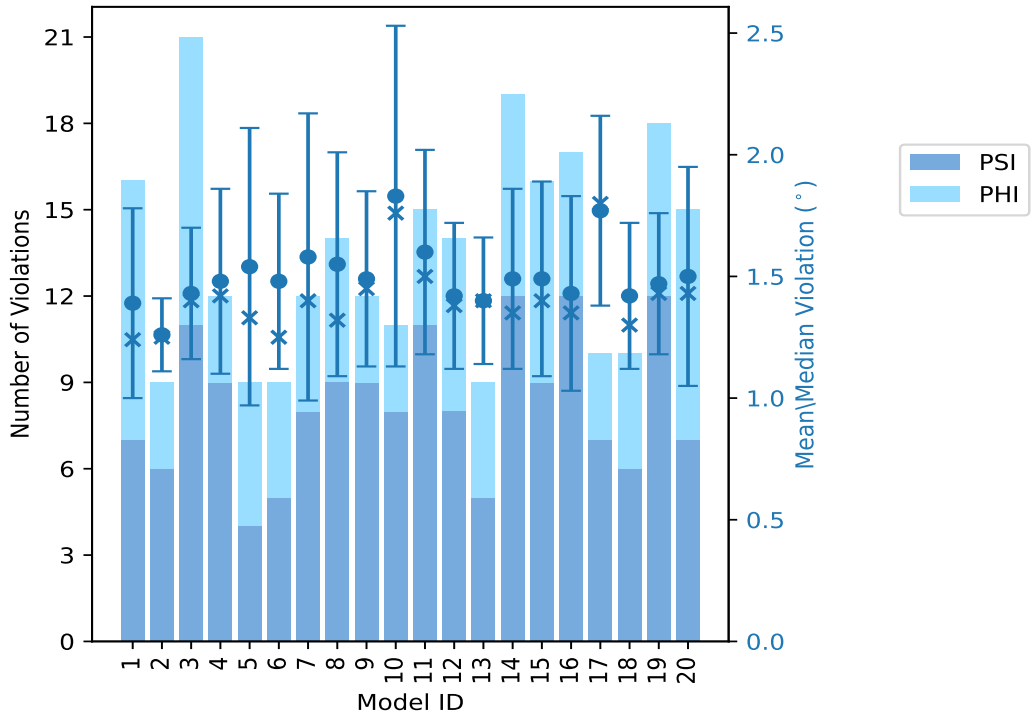
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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 (°)
	PSI	PHI	Total				
1	7	9	16	1.39	2.4	0.39	1.24
2	6	3	9	1.26	1.57	0.15	1.25
3	11	10	21	1.43	2.03	0.27	1.4
4	9	3	12	1.48	2.19	0.38	1.42
5	4	5	9	1.54	2.98	0.57	1.33
6	5	4	9	1.48	2.11	0.36	1.25
7	8	4	12	1.58	3.25	0.59	1.4
8	9	5	14	1.55	2.44	0.46	1.32
9	9	3	12	1.49	2.19	0.36	1.45
10	8	3	11	1.83	3.02	0.7	1.76
11	11	4	15	1.6	2.93	0.42	1.5
12	8	6	14	1.42	2.06	0.3	1.38
13	5	4	9	1.4	1.84	0.26	1.4
14	12	7	19	1.49	2.26	0.37	1.35
15	9	7	16	1.49	2.45	0.4	1.4
16	12	5	17	1.43	2.34	0.4	1.35
17	7	3	10	1.77	2.48	0.39	1.8
18	6	4	10	1.42	1.99	0.3	1.3
19	12	6	18	1.47	2.21	0.29	1.43
20	7	8	15	1.5	2.7	0.45	1.43

10.2.1 Bar graph : Dihedral violation statistics for each model



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

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	
PSI	PHI	Total	Count[1]	%
21	16	37	1	5.0
6	6	12	2	10.0
5	3	8	3	15.0
5	1	6	4	20.0
4	3	7	5	25.0
5	3	8	6	30.0
1	1	2	7	35.0
0	1	1	8	40.0
1	0	1	9	45.0
0	0	0	10	50.0
0	0	0	11	55.0

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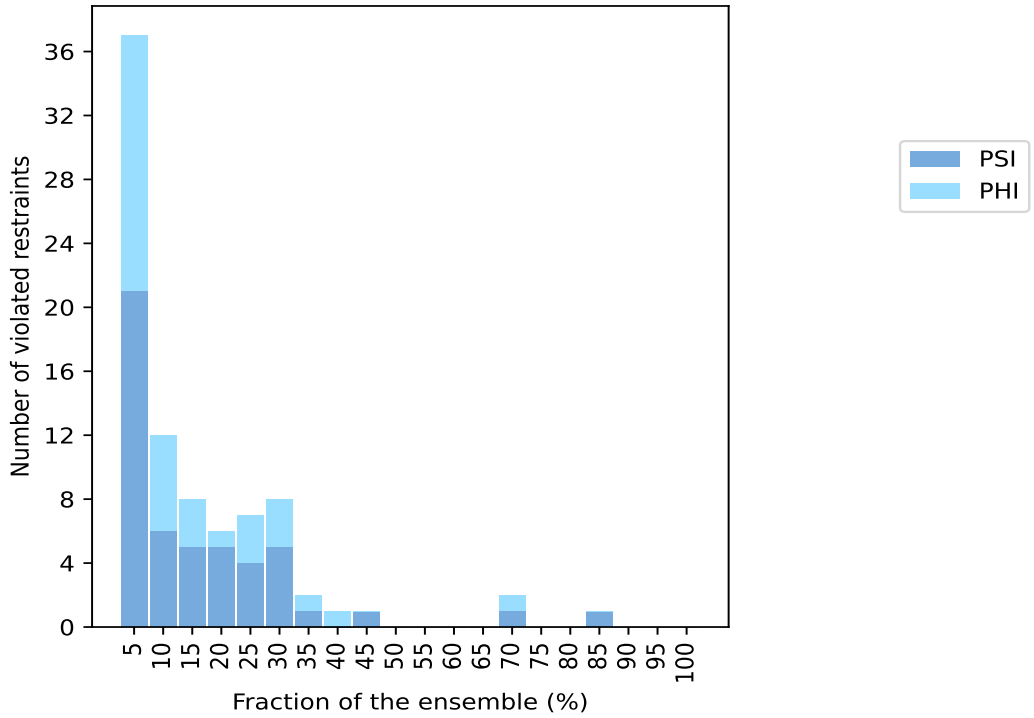
Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count[1]	%
0	0	0	12	60.0
0	0	0	13	65.0
1	1	2	14	70.0
0	0	0	15	75.0
0	0	0	16	80.0
1	0	1	17	85.0
0	0	0	18	90.0
0	0	0	19	95.0
0	0	0	20	100.0

[1] Number of models with violations

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

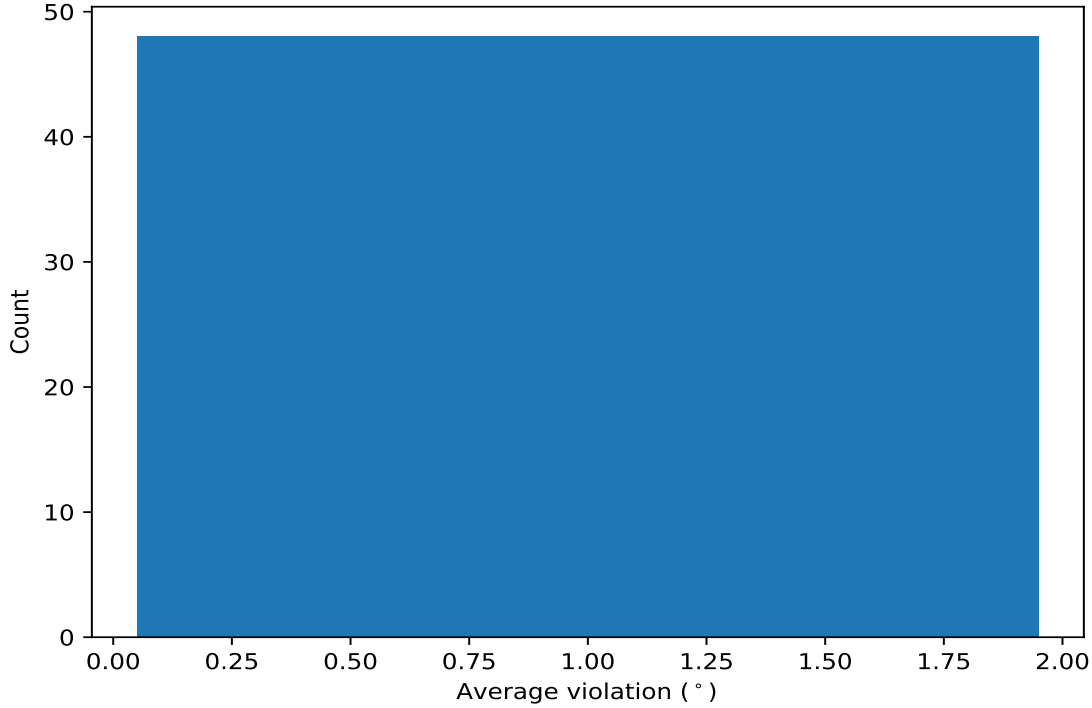


10.4 Most violated dihedral-angle restraints in the ensemble

10.4.1 Histogram : Distribution of mean dihedral-angle violations

The following histogram shows the distribution of the average value of the violation. The average is calculated for each restraint that is violated in more than one model over all the violated models

in the ensemble



10.4.2 Table: Most violated dihedral-angle restraints

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
(1,176)	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	1:100:A:GLU:N	17	1.85	0.58	1.76
(1,223)	1:124:A:LEU:C	1:125:A:THR:N	1:125:A:THR:CA	1:125:A:THR:C	14	1.74	0.38	1.76
(1,142)	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	1:79:A:VAL:N	14	1.62	0.43	1.67
(1,174)	1:98:A:LEU:N	1:98:A:LEU:CA	1:98:A:LEU:C	1:99:A:ASP:N	9	1.67	0.41	1.64
(1,35)	1:20:A:LEU:C	1:21:A:LEU:N	1:21:A:LEU:CA	1:21:A:LEU:C	8	1.41	0.3	1.36
(1,1)	1:3:A:VAL:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	7	1.8	0.51	1.8
(1,22)	1:14:A:ALA:N	1:14:A:ALA:CA	1:14:A:ALA:C	1:15:A:LEU:N	7	1.47	0.34	1.35
(1,140)	1:75:A:ILE:N	1:75:A:ILE:CA	1:75:A:ILE:C	1:76:A:PRO:N	6	1.91	0.6	1.86
(1,226)	1:126:A:GLY:N	1:126:A:GLY:CA	1:126:A:GLY:C	1:127:A:LEU:N	6	1.69	0.51	1.54
(1,150)	1:82:A:LEU:N	1:82:A:LEU:CA	1:82:A:LEU:C	1:83:A:LEU:N	6	1.69	0.5	1.52
(1,175)	1:98:A:LEU:C	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	6	1.62	0.45	1.46
(1,133)	1:71:A:HIS:C	1:72:A:ARG:N	1:72:A:ARG:CA	1:72:A:ARG:C	6	1.48	0.44	1.4
(1,2)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:THR:N	6	1.34	0.19	1.28
(1,151)	1:82:A:LEU:C	1:83:A:LEU:N	1:83:A:LEU:CA	1:83:A:LEU:C	6	1.25	0.11	1.3
(1,268)	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	1:150:A:LEU:N	6	1.22	0.14	1.24
(1,270)	1:150:A:LEU:N	1:150:A:LEU:CA	1:150:A:LEU:C	1:151:A:GLY:N	5	1.61	0.18	1.57
(1,209)	1:117:A:SER:C	1:118:A:LEU:N	1:118:A:LEU:CA	1:118:A:LEU:C	5	1.57	0.2	1.46
(1,229)	1:127:A:LEU:C	1:128:A:VAL:N	1:128:A:VAL:CA	1:128:A:VAL:C	5	1.49	0.39	1.48
(1,34)	1:20:A:LEU:N	1:20:A:LEU:CA	1:20:A:LEU:C	1:21:A:LEU:N	5	1.46	0.3	1.38
(1,92)	1:50:A:LEU:N	1:50:A:LEU:CA	1:50:A:LEU:C	1:51:A:SER:N	5	1.39	0.17	1.3

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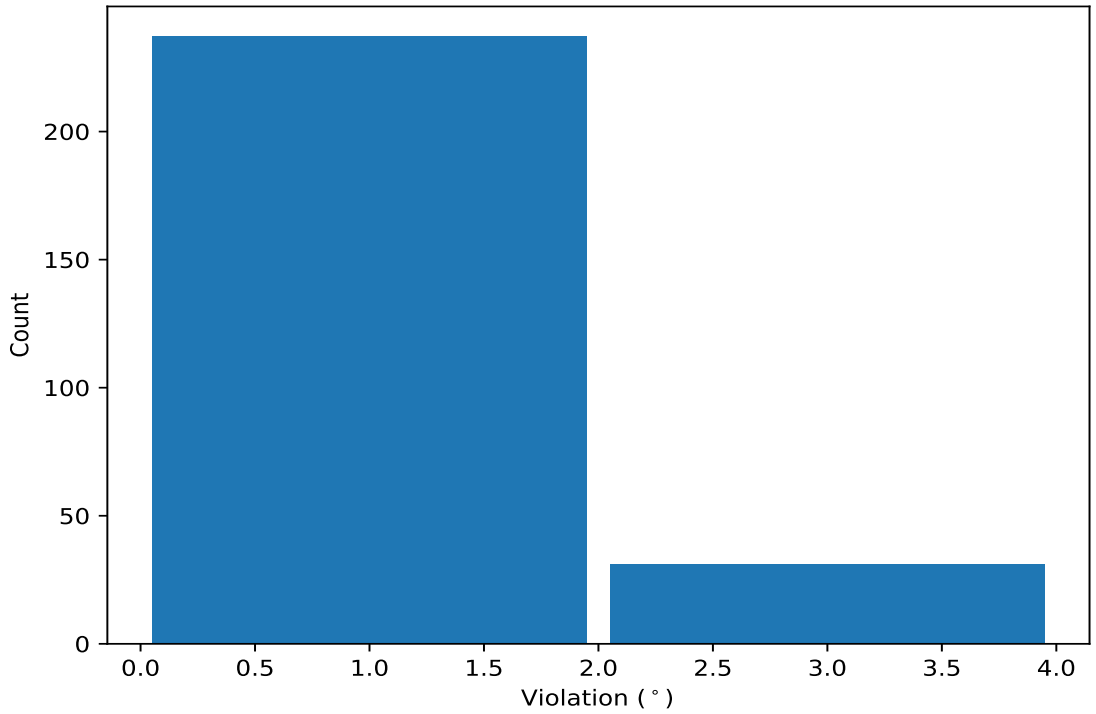
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,90)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LEU:N	5	1.26	0.23	1.22
(1,121)	1:64:A:GLY:C	1:65:A:ILE:N	1:65:A:ILE:CA	1:65:A:ILE:C	5	1.22	0.15	1.17
(1,62)	1:34:A:ARG:N	1:34:A:ARG:CA	1:34:A:ARG:C	1:35:A:GLU:N	4	1.54	0.13	1.54
(1,14)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:LEU:N	4	1.46	0.24	1.48
(1,180)	1:101:A:GLU:N	1:101:A:GLU:CA	1:101:A:GLU:C	1:102:A:ALA:N	4	1.32	0.14	1.34
(1,232)	1:129:A:VAL:N	1:129:A:VAL:CA	1:129:A:VAL:C	1:130:A:GLU:N	4	1.3	0.15	1.34
(1,28)	1:17:A:ASP:N	1:17:A:ASP:CA	1:17:A:ASP:C	1:18:A:ALA:N	4	1.23	0.06	1.23
(1,233)	1:129:A:VAL:C	1:130:A:GLU:N	1:130:A:GLU:CA	1:130:A:GLU:C	4	1.17	0.14	1.14
(1,126)	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	1:69:A:GLU:N	3	1.98	0.71	1.53
(1,228)	1:127:A:LEU:N	1:127:A:LEU:CA	1:127:A:LEU:C	1:128:A:VAL:N	3	1.51	0.29	1.58
(1,78)	1:43:A:VAL:N	1:43:A:VAL:CA	1:43:A:VAL:C	1:44:A:LEU:N	3	1.49	0.32	1.57
(1,269)	1:149:A:GLU:C	1:150:A:LEU:N	1:150:A:LEU:CA	1:150:A:LEU:C	3	1.49	0.36	1.33
(1,136)	1:73:A:VAL:N	1:73:A:VAL:CA	1:73:A:VAL:C	1:74:A:GLU:N	3	1.33	0.25	1.19
(1,172)	1:94:A:ILE:N	1:94:A:ILE:CA	1:94:A:ILE:C	1:95:A:PRO:N	3	1.3	0.27	1.18
(1,65)	1:35:A:GLU:C	1:36:A:VAL:N	1:36:A:VAL:CA	1:36:A:VAL:C	3	1.19	0.14	1.2
(1,137)	1:73:A:VAL:C	1:74:A:GLU:N	1:74:A:GLU:CA	1:74:A:GLU:C	3	1.1	0.02	1.09
(1,138)	1:74:A:GLU:N	1:74:A:GLU:CA	1:74:A:GLU:C	1:75:A:ILE:N	2	1.91	0.59	1.91
(1,55)	1:30:A:LEU:C	1:31:A:GLU:N	1:31:A:GLU:CA	1:31:A:GLU:C	2	1.5	0.02	1.5
(1,134)	1:72:A:ARG:N	1:72:A:ARG:CA	1:72:A:ARG:C	1:73:A:VAL:N	2	1.49	0.32	1.49
(1,113)	1:60:A:GLU:C	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	2	1.48	0.36	1.48
(1,170)	1:93:A:ALA:N	1:93:A:ALA:CA	1:93:A:ALA:C	1:94:A:ILE:N	2	1.36	0.12	1.36
(1,128)	1:69:A:GLU:N	1:69:A:GLU:CA	1:69:A:GLU:C	1:70:A:LEU:N	2	1.35	0.34	1.35
(1,89)	1:48:A:GLY:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	2	1.29	0.04	1.29
(1,95)	1:51:A:SER:C	1:52:A:GLU:N	1:52:A:GLU:CA	1:52:A:GLU:C	2	1.24	0.16	1.24
(1,115)	1:61:A:ASP:C	1:62:A:ARG:N	1:62:A:ARG:CA	1:62:A:ARG:C	2	1.21	0.16	1.21
(1,189)	1:105:A:VAL:C	1:106:A:ARG:N	1:106:A:ARG:CA	1:106:A:ARG:C	2	1.2	0.12	1.2
(1,196)	1:109:A:PHE:N	1:109:A:PHE:CA	1:109:A:PHE:C	1:110:A:LEU:N	2	1.14	0.07	1.14
(1,186)	1:104:A:VAL:N	1:104:A:VAL:CA	1:104:A:VAL:C	1:105:A:VAL:N	2	1.08	0.06	1.08

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

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 (°)
(1,176)	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	1:100:A:GLU:N	7	3.25
(1,176)	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	1:100:A:GLU:N	10	3.02
(1,126)	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	1:69:A:GLU:N	5	2.98
(1,140)	1:75:A:ILE:N	1:75:A:ILE:CA	1:75:A:ILE:C	1:76:A:PRO:N	11	2.93
(1,1)	1:3:A:VAL:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	10	2.9
(1,226)	1:126:A:GLY:N	1:126:A:GLY:CA	1:126:A:GLY:C	1:127:A:LEU:N	20	2.7
(1,138)	1:74:A:GLU:N	1:74:A:GLU:CA	1:74:A:GLU:C	1:75:A:ILE:N	10	2.49
(1,150)	1:82:A:LEU:N	1:82:A:LEU:CA	1:82:A:LEU:C	1:83:A:LEU:N	17	2.48
(1,237)	1:132:A:TYR:C	1:133:A:GLN:N	1:133:A:GLN:CA	1:133:A:GLN:C	15	2.45
(1,223)	1:124:A:LEU:C	1:125:A:THR:N	1:125:A:THR:CA	1:125:A:THR:C	8	2.44
(1,176)	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	1:100:A:GLU:N	1	2.4
(1,133)	1:71:A:HIS:C	1:72:A:ARG:N	1:72:A:ARG:CA	1:72:A:ARG:C	8	2.36
(1,175)	1:98:A:LEU:C	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	16	2.34
(1,174)	1:98:A:LEU:N	1:98:A:LEU:CA	1:98:A:LEU:C	1:99:A:ASP:N	14	2.26
(1,142)	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	1:79:A:VAL:N	8	2.25
(1,174)	1:98:A:LEU:N	1:98:A:LEU:CA	1:98:A:LEU:C	1:99:A:ASP:N	19	2.21
(1,150)	1:82:A:LEU:N	1:82:A:LEU:CA	1:82:A:LEU:C	1:83:A:LEU:N	16	2.2
(1,223)	1:124:A:LEU:C	1:125:A:THR:N	1:125:A:THR:CA	1:125:A:THR:C	17	2.19
(1,140)	1:75:A:ILE:N	1:75:A:ILE:CA	1:75:A:ILE:C	1:76:A:PRO:N	9	2.19
(1,140)	1:75:A:ILE:N	1:75:A:ILE:CA	1:75:A:ILE:C	1:76:A:PRO:N	14	2.19
(1,22)	1:14:A:ALA:N	1:14:A:ALA:CA	1:14:A:ALA:C	1:15:A:LEU:N	4	2.19

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,236)	1:132:A:TYR:N	1:132:A:TYR:CA	1:132:A:TYR:C	1:133:A:GLN:N	15	2.16
(1,142)	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	1:79:A:VAL:N	7	2.15
(1,176)	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	1:100:A:GLU:N	14	2.12
(1,223)	1:124:A:LEU:C	1:125:A:THR:N	1:125:A:THR:CA	1:125:A:THR:C	6	2.11
(1,142)	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	1:79:A:VAL:N	10	2.08
(1,175)	1:98:A:LEU:C	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	1	2.06
(1,146)	1:80:A:LYS:N	1:80:A:LYS:CA	1:80:A:LYS:C	1:81:A:ALA:N	12	2.06
(1,176)	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	1:100:A:GLU:N	3	2.03
(1,223)	1:124:A:LEU:C	1:125:A:THR:N	1:125:A:THR:CA	1:125:A:THR:C	20	2.02
(1,80)	1:44:A:LEU:N	1:44:A:LEU:CA	1:44:A:LEU:C	1:45:A:VAL:N	20	2.01
(1,269)	1:149:A:GLU:C	1:150:A:LEU:N	1:150:A:LEU:CA	1:150:A:LEU:C	18	1.99
(1,229)	1:127:A:LEU:C	1:128:A:VAL:N	1:128:A:VAL:CA	1:128:A:VAL:C	17	1.98
(1,176)	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	1:100:A:GLU:N	12	1.98
(1,174)	1:98:A:LEU:N	1:98:A:LEU:CA	1:98:A:LEU:C	1:99:A:ASP:N	16	1.98
(1,142)	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	1:79:A:VAL:N	17	1.98
(1,209)	1:117:A:SER:C	1:118:A:LEU:N	1:118:A:LEU:CA	1:118:A:LEU:C	14	1.94
(1,142)	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	1:79:A:VAL:N	5	1.94
(1,176)	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	1:100:A:GLU:N	9	1.93
(1,34)	1:20:A:LEU:N	1:20:A:LEU:CA	1:20:A:LEU:C	1:21:A:LEU:N	3	1.93
(1,1)	1:3:A:VAL:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	15	1.93
(1,142)	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	1:79:A:VAL:N	6	1.92
(1,142)	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	1:79:A:VAL:N	4	1.9
(1,229)	1:127:A:LEU:C	1:128:A:VAL:N	1:128:A:VAL:CA	1:128:A:VAL:C	19	1.89
(1,1)	1:3:A:VAL:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	17	1.88
(1,35)	1:20:A:LEU:C	1:21:A:LEU:N	1:21:A:LEU:CA	1:21:A:LEU:C	6	1.87
(1,270)	1:150:A:LEU:N	1:150:A:LEU:CA	1:150:A:LEU:C	1:151:A:GLY:N	7	1.86
(1,176)	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	1:100:A:GLU:N	4	1.86
(1,226)	1:126:A:GLY:N	1:126:A:GLY:CA	1:126:A:GLY:C	1:127:A:LEU:N	13	1.84
(1,223)	1:124:A:LEU:C	1:125:A:THR:N	1:125:A:THR:CA	1:125:A:THR:C	10	1.84
(1,113)	1:60:A:GLU:C	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	11	1.84
(1,78)	1:43:A:VAL:N	1:43:A:VAL:CA	1:43:A:VAL:C	1:44:A:LEU:N	11	1.84
(1,228)	1:127:A:LEU:N	1:127:A:LEU:CA	1:127:A:LEU:C	1:128:A:VAL:N	9	1.83
(1,223)	1:124:A:LEU:C	1:125:A:THR:N	1:125:A:THR:CA	1:125:A:THR:C	18	1.81
(1,134)	1:72:A:ARG:N	1:72:A:ARG:CA	1:72:A:ARG:C	1:73:A:VAL:N	11	1.81
(1,223)	1:124:A:LEU:C	1:125:A:THR:N	1:125:A:THR:CA	1:125:A:THR:C	1	1.8
(1,1)	1:3:A:VAL:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	20	1.8
(1,35)	1:20:A:LEU:C	1:21:A:LEU:N	1:21:A:LEU:CA	1:21:A:LEU:C	4	1.79
(1,270)	1:150:A:LEU:N	1:150:A:LEU:CA	1:150:A:LEU:C	1:151:A:GLY:N	3	1.77
(1,176)	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	1:100:A:GLU:N	8	1.76
(1,174)	1:98:A:LEU:N	1:98:A:LEU:CA	1:98:A:LEU:C	1:99:A:ASP:N	10	1.76
(1,223)	1:124:A:LEU:C	1:125:A:THR:N	1:125:A:THR:CA	1:125:A:THR:C	13	1.73
(1,135)	1:72:A:ARG:C	1:73:A:VAL:N	1:73:A:VAL:CA	1:73:A:VAL:C	8	1.73
(1,14)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:LEU:N	3	1.73
(1,223)	1:124:A:LEU:C	1:125:A:THR:N	1:125:A:THR:CA	1:125:A:THR:C	9	1.72
(1,223)	1:124:A:LEU:C	1:125:A:THR:N	1:125:A:THR:CA	1:125:A:THR:C	19	1.72
(1,176)	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	1:100:A:GLU:N	16	1.72
(1,22)	1:14:A:ALA:N	1:14:A:ALA:CA	1:14:A:ALA:C	1:15:A:LEU:N	11	1.72
(1,2)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:THR:N	3	1.72
(1,176)	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	1:100:A:GLU:N	19	1.71
(1,62)	1:34:A:ARG:N	1:34:A:ARG:CA	1:34:A:ARG:C	1:35:A:GLU:N	17	1.71
(1,230)	1:128:A:VAL:N	1:128:A:VAL:CA	1:128:A:VAL:C	1:129:A:VAL:N	19	1.69

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,150)	1:82:A:LEU:N	1:82:A:LEU:CA	1:82:A:LEU:C	1:83:A:LEU:N	19	1.69
(1,128)	1:69:A:GLU:N	1:69:A:GLU:CA	1:69:A:GLU:C	1:70:A:LEU:N	15	1.69
(1,122)	1:65:A:ILE:N	1:65:A:ILE:CA	1:65:A:ILE:C	1:66:A:PRO:N	11	1.69
(1,172)	1:94:A:ILE:N	1:94:A:ILE:CA	1:94:A:ILE:C	1:95:A:PRO:N	14	1.68
(1,136)	1:73:A:VAL:N	1:73:A:VAL:CA	1:73:A:VAL:C	1:74:A:GLU:N	10	1.68
(1,90)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LEU:N	1	1.68
(1,40)	1:23:A:ASP:N	1:23:A:ASP:CA	1:23:A:ASP:C	1:24:A:GLU:N	9	1.67
(1,92)	1:50:A:LEU:N	1:50:A:LEU:CA	1:50:A:LEU:C	1:51:A:SER:N	4	1.65
(1,209)	1:117:A:SER:C	1:118:A:LEU:N	1:118:A:LEU:CA	1:118:A:LEU:C	18	1.64
(1,174)	1:98:A:LEU:N	1:98:A:LEU:CA	1:98:A:LEU:C	1:99:A:ASP:N	20	1.64
(1,35)	1:20:A:LEU:C	1:21:A:LEU:N	1:21:A:LEU:CA	1:21:A:LEU:C	15	1.64
(1,175)	1:98:A:LEU:C	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	14	1.63
(1,34)	1:20:A:LEU:N	1:20:A:LEU:CA	1:20:A:LEU:C	1:21:A:LEU:N	4	1.63
(1,62)	1:34:A:ARG:N	1:34:A:ARG:CA	1:34:A:ARG:C	1:35:A:GLU:N	18	1.62
(1,14)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:LEU:N	12	1.62
(1,226)	1:126:A:GLY:N	1:126:A:GLY:CA	1:126:A:GLY:C	1:127:A:LEU:N	14	1.59
(1,133)	1:71:A:HIS:C	1:72:A:ARG:N	1:72:A:ARG:CA	1:72:A:ARG:C	5	1.59
(1,228)	1:127:A:LEU:N	1:127:A:LEU:CA	1:127:A:LEU:C	1:128:A:VAL:N	16	1.58
(1,174)	1:98:A:LEU:N	1:98:A:LEU:CA	1:98:A:LEU:C	1:99:A:ASP:N	1	1.58
(1,270)	1:150:A:LEU:N	1:150:A:LEU:CA	1:150:A:LEU:C	1:151:A:GLY:N	19	1.57
(1,78)	1:43:A:VAL:N	1:43:A:VAL:CA	1:43:A:VAL:C	1:44:A:LEU:N	2	1.57
(1,140)	1:75:A:ILE:N	1:75:A:ILE:CA	1:75:A:ILE:C	1:76:A:PRO:N	12	1.54
(1,96)	1:52:A:GLU:N	1:52:A:GLU:CA	1:52:A:GLU:C	1:53:A:ARG:N	15	1.54
(1,87)	1:47:A:MET:C	1:48:A:GLY:N	1:48:A:GLY:CA	1:48:A:GLY:C	13	1.54
(1,126)	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	1:69:A:GLU:N	7	1.53
(1,140)	1:75:A:ILE:N	1:75:A:ILE:CA	1:75:A:ILE:C	1:76:A:PRO:N	7	1.52
(1,133)	1:71:A:HIS:C	1:72:A:ARG:N	1:72:A:ARG:CA	1:72:A:ARG:C	3	1.52
(1,92)	1:50:A:LEU:N	1:50:A:LEU:CA	1:50:A:LEU:C	1:51:A:SER:N	17	1.52
(1,121)	1:64:A:GLY:C	1:65:A:ILE:N	1:65:A:ILE:CA	1:65:A:ILE:C	12	1.51
(1,55)	1:30:A:LEU:C	1:31:A:GLU:N	1:31:A:GLU:CA	1:31:A:GLU:C	11	1.51
(1,270)	1:150:A:LEU:N	1:150:A:LEU:CA	1:150:A:LEU:C	1:151:A:GLY:N	11	1.5
(1,180)	1:101:A:GLU:N	1:101:A:GLU:CA	1:101:A:GLU:C	1:102:A:ALA:N	6	1.5
(1,1)	1:3:A:VAL:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	3	1.5
(1,254)	1:141:A:TYR:N	1:141:A:TYR:CA	1:141:A:TYR:C	1:142:A:ALA:N	15	1.49
(1,229)	1:127:A:LEU:C	1:128:A:VAL:N	1:128:A:VAL:CA	1:128:A:VAL:C	20	1.48
(1,226)	1:126:A:GLY:N	1:126:A:GLY:CA	1:126:A:GLY:C	1:127:A:LEU:N	11	1.48
(1,226)	1:126:A:GLY:N	1:126:A:GLY:CA	1:126:A:GLY:C	1:127:A:LEU:N	12	1.48
(1,170)	1:93:A:ALA:N	1:93:A:ALA:CA	1:93:A:ALA:C	1:94:A:ILE:N	12	1.48
(1,55)	1:30:A:LEU:C	1:31:A:GLU:N	1:31:A:GLU:CA	1:31:A:GLU:C	9	1.48
(1,268)	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	1:150:A:LEU:N	14	1.47
(1,81)	1:44:A:LEU:C	1:45:A:VAL:N	1:45:A:VAL:CA	1:45:A:VAL:C	20	1.47
(1,232)	1:129:A:VAL:N	1:129:A:VAL:CA	1:129:A:VAL:C	1:130:A:GLU:N	19	1.46
(1,209)	1:117:A:SER:C	1:118:A:LEU:N	1:118:A:LEU:CA	1:118:A:LEU:C	16	1.46
(1,62)	1:34:A:ARG:N	1:34:A:ARG:CA	1:34:A:ARG:C	1:35:A:GLU:N	19	1.46
(1,176)	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	1:100:A:GLU:N	17	1.44
(1,142)	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	1:79:A:VAL:N	3	1.44
(1,223)	1:124:A:LEU:C	1:125:A:THR:N	1:125:A:THR:CA	1:125:A:THR:C	3	1.43
(1,209)	1:117:A:SER:C	1:118:A:LEU:N	1:118:A:LEU:CA	1:118:A:LEU:C	20	1.43
(1,176)	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	1:100:A:GLU:N	13	1.42
(1,174)	1:98:A:LEU:N	1:98:A:LEU:CA	1:98:A:LEU:C	1:99:A:ASP:N	9	1.42
(1,126)	1:68:A:VAL:N	1:68:A:VAL:CA	1:68:A:VAL:C	1:69:A:GLU:N	15	1.42

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,35)	1:20:A:LEU:C	1:21:A:LEU:N	1:21:A:LEU:CA	1:21:A:LEU:C	3	1.41
(1,232)	1:129:A:VAL:N	1:129:A:VAL:CA	1:129:A:VAL:C	1:130:A:GLU:N	7	1.4
(1,209)	1:117:A:SER:C	1:118:A:LEU:N	1:118:A:LEU:CA	1:118:A:LEU:C	19	1.4
(1,95)	1:51:A:SER:C	1:52:A:GLU:N	1:52:A:GLU:CA	1:52:A:GLU:C	7	1.4
(1,59)	1:32:A:ARG:C	1:33:A:HIS:N	1:33:A:HIS:CA	1:33:A:HIS:C	3	1.4
(1,22)	1:14:A:ALA:N	1:14:A:ALA:CA	1:14:A:ALA:C	1:15:A:LEU:N	13	1.4
(1,233)	1:129:A:VAL:C	1:130:A:GLU:N	1:130:A:GLU:CA	1:130:A:GLU:C	3	1.39
(1,151)	1:82:A:LEU:C	1:83:A:LEU:N	1:83:A:LEU:CA	1:83:A:LEU:C	11	1.39
(1,2)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:THR:N	17	1.39
(1,1)	1:3:A:VAL:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	16	1.39
(1,188)	1:105:A:VAL:N	1:105:A:VAL:CA	1:105:A:VAL:C	1:106:A:ARG:N	11	1.38
(1,34)	1:20:A:LEU:N	1:20:A:LEU:CA	1:20:A:LEU:C	1:21:A:LEU:N	15	1.38
(1,142)	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	1:79:A:VAL:N	14	1.37
(1,115)	1:61:A:ASP:C	1:62:A:ARG:N	1:62:A:ARG:CA	1:62:A:ARG:C	2	1.37
(1,62)	1:34:A:ARG:N	1:34:A:ARG:CA	1:34:A:ARG:C	1:35:A:GLU:N	10	1.37
(1,36)	1:21:A:LEU:N	1:21:A:LEU:CA	1:21:A:LEU:C	1:22:A:THR:N	7	1.37
(1,180)	1:101:A:GLU:N	1:101:A:GLU:CA	1:101:A:GLU:C	1:102:A:ALA:N	16	1.36
(1,270)	1:150:A:LEU:N	1:150:A:LEU:CA	1:150:A:LEU:C	1:151:A:GLY:N	16	1.35
(1,150)	1:82:A:LEU:N	1:82:A:LEU:CA	1:82:A:LEU:C	1:83:A:LEU:N	8	1.35
(1,65)	1:35:A:GLU:C	1:36:A:VAL:N	1:36:A:VAL:CA	1:36:A:VAL:C	5	1.35
(1,34)	1:20:A:LEU:N	1:20:A:LEU:CA	1:20:A:LEU:C	1:21:A:LEU:N	13	1.35
(1,22)	1:14:A:ALA:N	1:14:A:ALA:CA	1:14:A:ALA:C	1:15:A:LEU:N	14	1.35
(1,14)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:LEU:N	2	1.35
(1,269)	1:149:A:GLU:C	1:150:A:LEU:N	1:150:A:LEU:CA	1:150:A:LEU:C	15	1.33
(1,89)	1:48:A:GLY:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	5	1.33
(1,189)	1:105:A:VAL:C	1:106:A:ARG:N	1:106:A:ARG:CA	1:106:A:ARG:C	3	1.32
(1,176)	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	1:100:A:GLU:N	18	1.32
(1,151)	1:82:A:LEU:C	1:83:A:LEU:N	1:83:A:LEU:CA	1:83:A:LEU:C	19	1.32
(1,138)	1:74:A:GLU:N	1:74:A:GLU:CA	1:74:A:GLU:C	1:75:A:ILE:N	8	1.32
(1,35)	1:20:A:LEU:C	1:21:A:LEU:N	1:21:A:LEU:CA	1:21:A:LEU:C	8	1.32
(1,180)	1:101:A:GLU:N	1:101:A:GLU:CA	1:101:A:GLU:C	1:102:A:ALA:N	1	1.31
(1,151)	1:82:A:LEU:C	1:83:A:LEU:N	1:83:A:LEU:CA	1:83:A:LEU:C	16	1.31
(1,92)	1:50:A:LEU:N	1:50:A:LEU:CA	1:50:A:LEU:C	1:51:A:SER:N	19	1.3
(1,28)	1:17:A:ASP:N	1:17:A:ASP:CA	1:17:A:ASP:C	1:18:A:ALA:N	19	1.3
(1,206)	1:116:A:LEU:N	1:116:A:LEU:CA	1:116:A:LEU:C	1:117:A:SER:N	20	1.29
(1,176)	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	1:100:A:GLU:N	11	1.29
(1,151)	1:82:A:LEU:C	1:83:A:LEU:N	1:83:A:LEU:CA	1:83:A:LEU:C	8	1.29
(1,104)	1:56:A:ALA:N	1:56:A:ALA:CA	1:56:A:ALA:C	1:57:A:GLN:N	5	1.29
(1,2)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:THR:N	12	1.29
(1,175)	1:98:A:LEU:C	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	20	1.28
(1,90)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LEU:N	14	1.28
(1,232)	1:129:A:VAL:N	1:129:A:VAL:CA	1:129:A:VAL:C	1:130:A:GLU:N	18	1.27
(1,175)	1:98:A:LEU:C	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	13	1.27
(1,150)	1:82:A:LEU:N	1:82:A:LEU:CA	1:82:A:LEU:C	1:83:A:LEU:N	3	1.27
(1,133)	1:71:A:HIS:C	1:72:A:ARG:N	1:72:A:ARG:CA	1:72:A:ARG:C	15	1.27
(1,105)	1:56:A:ALA:C	1:57:A:GLN:N	1:57:A:GLN:CA	1:57:A:GLN:C	7	1.27
(1,92)	1:50:A:LEU:N	1:50:A:LEU:CA	1:50:A:LEU:C	1:51:A:SER:N	8	1.27
(1,32)	1:19:A:GLY:N	1:19:A:GLY:CA	1:19:A:GLY:C	1:20:A:LEU:N	2	1.27
(1,22)	1:14:A:ALA:N	1:14:A:ALA:CA	1:14:A:ALA:C	1:15:A:LEU:N	3	1.27
(1,2)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:THR:N	11	1.27
(1,207)	1:116:A:LEU:C	1:117:A:SER:N	1:117:A:SER:CA	1:117:A:SER:C	14	1.26

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,268)	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	1:150:A:LEU:N	1	1.25
(1,268)	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	1:150:A:LEU:N	12	1.25
(1,223)	1:124:A:LEU:C	1:125:A:THR:N	1:125:A:THR:CA	1:125:A:THR:C	2	1.25
(1,223)	1:124:A:LEU:C	1:125:A:THR:N	1:125:A:THR:CA	1:125:A:THR:C	5	1.25
(1,89)	1:48:A:GLY:C	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	12	1.25
(1,75)	1:41:A:ALA:C	1:42:A:GLU:N	1:42:A:GLU:CA	1:42:A:GLU:C	14	1.25
(1,28)	1:17:A:ASP:N	1:17:A:ASP:CA	1:17:A:ASP:C	1:18:A:ALA:N	6	1.25
(1,204)	1:115:A:THR:N	1:115:A:THR:CA	1:115:A:THR:C	1:116:A:LEU:N	11	1.24
(1,170)	1:93:A:ALA:N	1:93:A:ALA:CA	1:93:A:ALA:C	1:94:A:ILE:N	14	1.24
(1,97)	1:52:A:GLU:C	1:53:A:ARG:N	1:53:A:ARG:CA	1:53:A:ARG:C	1	1.24
(1,91)	1:49:A:LEU:C	1:50:A:LEU:N	1:50:A:LEU:CA	1:50:A:LEU:C	1	1.24
(1,58)	1:32:A:ARG:N	1:32:A:ARG:CA	1:32:A:ARG:C	1:33:A:HIS:N	3	1.24
(1,22)	1:14:A:ALA:N	1:14:A:ALA:CA	1:14:A:ALA:C	1:15:A:LEU:N	6	1.24
(1,2)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:THR:N	8	1.24
(1,268)	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	1:150:A:LEU:N	9	1.23
(1,176)	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	1:100:A:GLU:N	2	1.23
(1,142)	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	1:79:A:VAL:N	9	1.23
(1,90)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LEU:N	3	1.22
(1,196)	1:109:A:PHE:N	1:109:A:PHE:CA	1:109:A:PHE:C	1:110:A:LEU:N	4	1.21
(1,92)	1:50:A:LEU:N	1:50:A:LEU:CA	1:50:A:LEU:C	1:51:A:SER:N	18	1.21
(1,1)	1:3:A:VAL:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	6	1.21
(1,142)	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	1:79:A:VAL:N	16	1.2
(1,121)	1:64:A:GLY:C	1:65:A:ILE:N	1:65:A:ILE:CA	1:65:A:ILE:C	19	1.2
(1,65)	1:35:A:GLU:C	1:36:A:VAL:N	1:36:A:VAL:CA	1:36:A:VAL:C	6	1.2
(1,28)	1:17:A:ASP:N	1:17:A:ASP:CA	1:17:A:ASP:C	1:18:A:ALA:N	14	1.2
(1,136)	1:73:A:VAL:N	1:73:A:VAL:CA	1:73:A:VAL:C	1:74:A:GLU:N	8	1.19
(1,233)	1:129:A:VAL:C	1:130:A:GLU:N	1:130:A:GLU:CA	1:130:A:GLU:C	18	1.18
(1,220)	1:123:A:ASP:N	1:123:A:ASP:CA	1:123:A:ASP:C	1:124:A:LEU:N	20	1.18
(1,172)	1:94:A:ILE:N	1:94:A:ILE:CA	1:94:A:ILE:C	1:95:A:PRO:N	1	1.18
(1,134)	1:72:A:ARG:N	1:72:A:ARG:CA	1:72:A:ARG:C	1:73:A:VAL:N	16	1.17
(1,121)	1:64:A:GLY:C	1:65:A:ILE:N	1:65:A:ILE:CA	1:65:A:ILE:C	2	1.17
(1,57)	1:31:A:GLU:C	1:32:A:ARG:N	1:32:A:ARG:CA	1:32:A:ARG:C	3	1.17
(1,269)	1:149:A:GLU:C	1:150:A:LEU:N	1:150:A:LEU:CA	1:150:A:LEU:C	12	1.15
(1,215)	1:120:A:GLU:C	1:121:A:VAL:N	1:121:A:VAL:CA	1:121:A:VAL:C	12	1.15
(1,213)	1:119:A:GLU:C	1:120:A:GLU:N	1:120:A:GLU:CA	1:120:A:GLU:C	4	1.15
(1,186)	1:104:A:VAL:N	1:104:A:VAL:CA	1:104:A:VAL:C	1:105:A:VAL:N	19	1.15
(1,28)	1:17:A:ASP:N	1:17:A:ASP:CA	1:17:A:ASP:C	1:18:A:ALA:N	17	1.15
(1,22)	1:14:A:ALA:N	1:14:A:ALA:CA	1:14:A:ALA:C	1:15:A:LEU:N	9	1.15
(1,151)	1:82:A:LEU:C	1:83:A:LEU:N	1:83:A:LEU:CA	1:83:A:LEU:C	4	1.14
(1,142)	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	1:79:A:VAL:N	19	1.14
(1,133)	1:71:A:HIS:C	1:72:A:ARG:N	1:72:A:ARG:CA	1:72:A:ARG:C	7	1.14
(1,121)	1:64:A:GLY:C	1:65:A:ILE:N	1:65:A:ILE:CA	1:65:A:ILE:C	14	1.14
(1,35)	1:20:A:LEU:C	1:21:A:LEU:N	1:21:A:LEU:CA	1:21:A:LEU:C	1	1.14
(1,224)	1:125:A:THR:N	1:125:A:THR:CA	1:125:A:THR:C	1:126:A:GLY:N	15	1.13
(1,175)	1:98:A:LEU:C	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	19	1.13
(1,137)	1:73:A:VAL:C	1:74:A:GLU:N	1:74:A:GLU:CA	1:74:A:GLU:C	3	1.13
(1,113)	1:60:A:GLU:C	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	1	1.13
(1,47)	1:26:A:LEU:C	1:27:A:GLN:N	1:27:A:GLN:CA	1:27:A:GLN:C	14	1.13
(1,35)	1:20:A:LEU:C	1:21:A:LEU:N	1:21:A:LEU:CA	1:21:A:LEU:C	11	1.13
(1,2)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:THR:N	15	1.13
(1,228)	1:127:A:LEU:N	1:127:A:LEU:CA	1:127:A:LEU:C	1:128:A:VAL:N	14	1.12

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,174)	1:98:A:LEU:N	1:98:A:LEU:CA	1:98:A:LEU:C	1:99:A:ASP:N	8	1.12
(1,150)	1:82:A:LEU:N	1:82:A:LEU:CA	1:82:A:LEU:C	1:83:A:LEU:N	18	1.12
(1,14)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:LEU:N	4	1.12
(1,180)	1:101:A:GLU:N	1:101:A:GLU:CA	1:101:A:GLU:C	1:102:A:ALA:N	19	1.11
(1,140)	1:75:A:ILE:N	1:75:A:ILE:CA	1:75:A:ILE:C	1:76:A:PRO:N	4	1.11
(1,136)	1:73:A:VAL:N	1:73:A:VAL:CA	1:73:A:VAL:C	1:74:A:GLU:N	15	1.11
(1,233)	1:129:A:VAL:C	1:130:A:GLU:N	1:130:A:GLU:CA	1:130:A:GLU:C	16	1.09
(1,137)	1:73:A:VAL:C	1:74:A:GLU:N	1:74:A:GLU:CA	1:74:A:GLU:C	1	1.09
(1,232)	1:129:A:VAL:N	1:129:A:VAL:CA	1:129:A:VAL:C	1:130:A:GLU:N	16	1.08
(1,229)	1:127:A:LEU:C	1:128:A:VAL:N	1:128:A:VAL:CA	1:128:A:VAL:C	14	1.08
(1,137)	1:73:A:VAL:C	1:74:A:GLU:N	1:74:A:GLU:CA	1:74:A:GLU:C	12	1.08
(1,95)	1:51:A:SER:C	1:52:A:GLU:N	1:52:A:GLU:CA	1:52:A:GLU:C	1	1.08
(1,244)	1:136:A:LYS:N	1:136:A:LYS:CA	1:136:A:LYS:C	1:137:A:SER:N	8	1.07
(1,231)	1:128:A:VAL:C	1:129:A:VAL:N	1:129:A:VAL:CA	1:129:A:VAL:C	5	1.07
(1,189)	1:105:A:VAL:C	1:106:A:ARG:N	1:106:A:ARG:CA	1:106:A:ARG:C	12	1.07
(1,142)	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	1:79:A:VAL:N	18	1.07
(1,78)	1:43:A:VAL:N	1:43:A:VAL:CA	1:43:A:VAL:C	1:44:A:LEU:N	20	1.07
(1,196)	1:109:A:PHE:N	1:109:A:PHE:CA	1:109:A:PHE:C	1:110:A:LEU:N	6	1.06
(1,151)	1:82:A:LEU:C	1:83:A:LEU:N	1:83:A:LEU:CA	1:83:A:LEU:C	15	1.06
(1,121)	1:64:A:GLY:C	1:65:A:ILE:N	1:65:A:ILE:CA	1:65:A:ILE:C	20	1.06
(1,90)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LEU:N	4	1.06
(1,12)	1:9:A:LYS:N	1:9:A:LYS:CA	1:9:A:LYS:C	1:10:A:ARG:N	16	1.06
(1,268)	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	1:150:A:LEU:N	2	1.05
(1,268)	1:149:A:GLU:N	1:149:A:GLU:CA	1:149:A:GLU:C	1:150:A:LEU:N	3	1.05
(1,226)	1:126:A:GLY:N	1:126:A:GLY:CA	1:126:A:GLY:C	1:127:A:LEU:N	2	1.05
(1,176)	1:99:A:ASP:N	1:99:A:ASP:CA	1:99:A:ASP:C	1:100:A:GLU:N	20	1.05
(1,115)	1:61:A:ASP:C	1:62:A:ARG:N	1:62:A:ARG:CA	1:62:A:ARG:C	15	1.05
(1,90)	1:49:A:LEU:N	1:49:A:LEU:CA	1:49:A:LEU:C	1:50:A:LEU:N	9	1.05
(1,172)	1:94:A:ILE:N	1:94:A:ILE:CA	1:94:A:ILE:C	1:95:A:PRO:N	7	1.04
(1,229)	1:127:A:LEU:C	1:128:A:VAL:N	1:128:A:VAL:CA	1:128:A:VAL:C	9	1.03
(1,94)	1:51:A:SER:N	1:51:A:SER:CA	1:51:A:SER:C	1:52:A:GLU:N	13	1.03
(1,34)	1:20:A:LEU:N	1:20:A:LEU:CA	1:20:A:LEU:C	1:21:A:LEU:N	10	1.03
(1,233)	1:129:A:VAL:C	1:130:A:GLU:N	1:130:A:GLU:CA	1:130:A:GLU:C	13	1.02
(1,186)	1:104:A:VAL:N	1:104:A:VAL:CA	1:104:A:VAL:C	1:105:A:VAL:N	16	1.02
(1,174)	1:98:A:LEU:N	1:98:A:LEU:CA	1:98:A:LEU:C	1:99:A:ASP:N	5	1.02
(1,142)	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	1:79:A:VAL:N	1	1.02
(1,133)	1:71:A:HIS:C	1:72:A:ARG:N	1:72:A:ARG:CA	1:72:A:ARG:C	1	1.02
(1,31)	1:18:A:ALA:C	1:19:A:GLY:N	1:19:A:GLY:CA	1:19:A:GLY:C	3	1.02
(1,223)	1:124:A:LEU:C	1:125:A:THR:N	1:125:A:THR:CA	1:125:A:THR:C	7	1.01
(1,128)	1:69:A:GLU:N	1:69:A:GLU:CA	1:69:A:GLU:C	1:70:A:LEU:N	16	1.01
(1,65)	1:35:A:GLU:C	1:36:A:VAL:N	1:36:A:VAL:CA	1:36:A:VAL:C	20	1.01
(1,50)	1:28:A:ARG:N	1:28:A:ARG:CA	1:28:A:ARG:C	1:29:A:ALA:N	10	1.0
(1,35)	1:20:A:LEU:C	1:21:A:LEU:N	1:21:A:LEU:CA	1:21:A:LEU:C	10	1.0