Full wwPDB NMR Structure Validation Report

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PDB ID	:	2MOK / pdb_00002mok
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Title	:	holo_FldA
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This is a Full wwPDB NMR Structure Validation Report for a publicly released PDB entry.

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

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

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

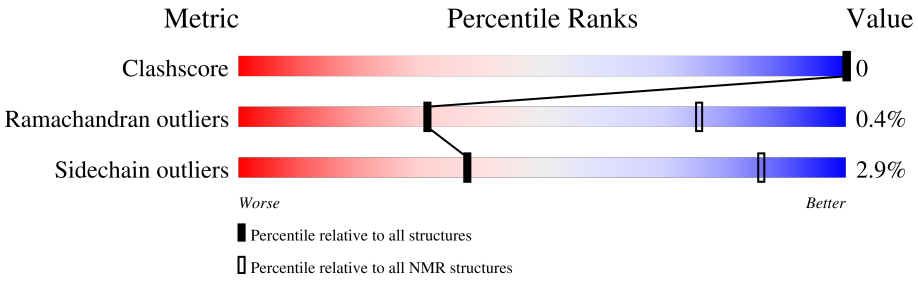
MolProbity	:	4-5-2 with Phenix2.0
Mogul	:	2022.3.0, CSD as543be (2022)
Buster-report	:	wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

1 Overall quality at a glance

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

The overall completeness of chemical shifts assignment is 90%.

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	176	85% · 13%

2 Ensemble composition and analysis

This entry contains 20 models. Model 17 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	A:2-A:122, A:131-A:143, A:152-A:170 (153)	0.56	17

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

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

The models can be grouped into 2 clusters. No single-model clusters were found.

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

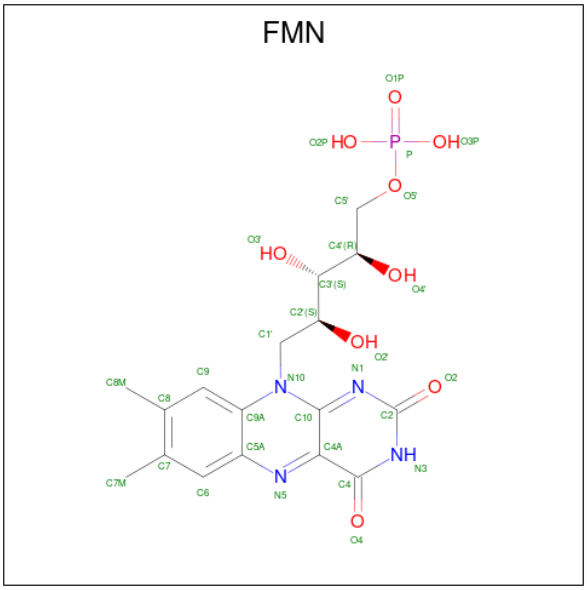
3 Entry composition

There are 2 unique types of molecules in this entry. The entry contains 2752 atoms, of which 1328 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Flavodoxin.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	176	2702	886	1309	221	281	5	0

- Molecule 2 is FLAVIN MONONUCLEOTIDE (CCD ID: FMN) (formula: $C_{17}H_{21}N_4O_9P$).



Mol	Chain	Residues	Atoms					
			Total	C	H	N	O	P
2	A	1	50	17	19	4	9	1

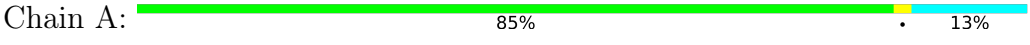
4 Residue-property plots (i)

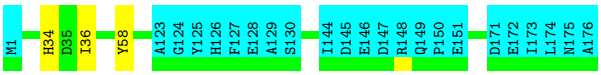
4.1 Average score per residue in the NMR ensemble

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

• Molecule 1: Flavodoxin

Chain A:





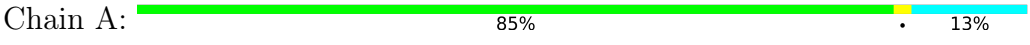
4.2 Scores per residue for each member of the ensemble

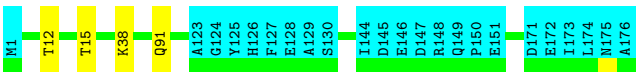
Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: Flavodoxin

Chain A:

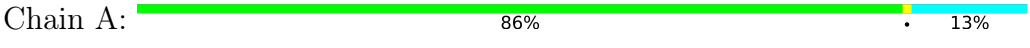


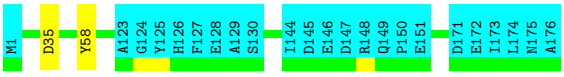


4.2.2 Score per residue for model 2

• Molecule 1: Flavodoxin

Chain A:

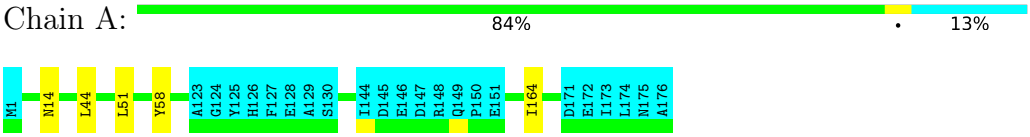




4.2.3 Score per residue for model 3

• Molecule 1: Flavodoxin

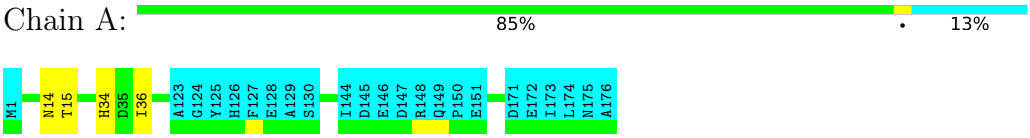
Chain A:



4.2.4 Score per residue for model 4

• Molecule 1: Flavodoxin

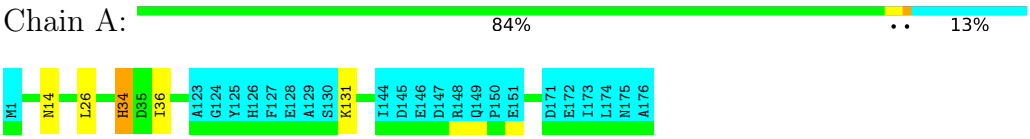
Chain A:



4.2.5 Score per residue for model 5

• Molecule 1: Flavodoxin

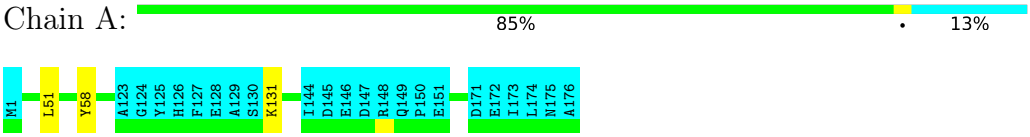
Chain A:



4.2.6 Score per residue for model 6

• Molecule 1: Flavodoxin

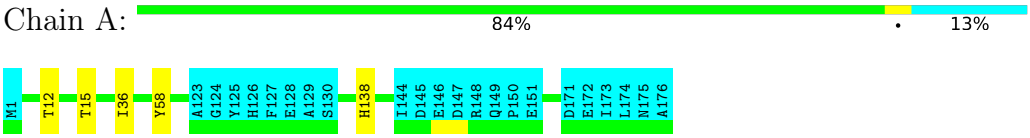
Chain A:



4.2.7 Score per residue for model 7

• Molecule 1: Flavodoxin

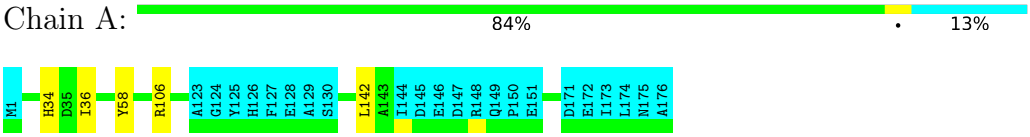
Chain A:



4.2.8 Score per residue for model 8

• Molecule 1: Flavodoxin

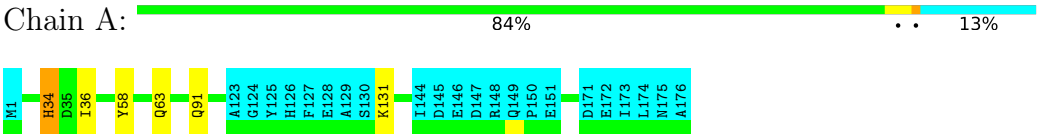
Chain A:



4.2.9 Score per residue for model 9

• Molecule 1: Flavodoxin

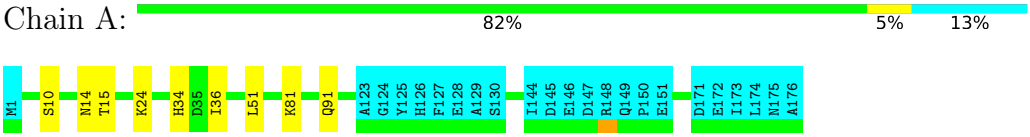
Chain A:



4.2.10 Score per residue for model 10

• Molecule 1: Flavodoxin

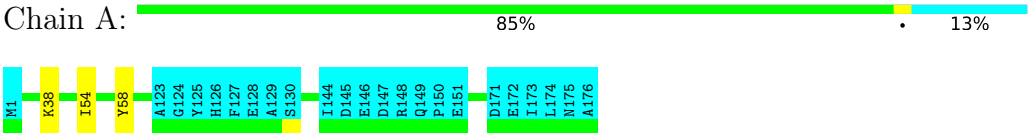
Chain A:



4.2.11 Score per residue for model 11

• Molecule 1: Flavodoxin

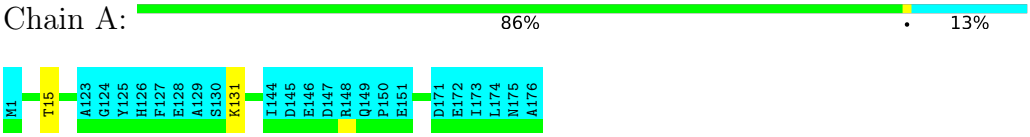
Chain A:



4.2.12 Score per residue for model 12

• Molecule 1: Flavodoxin

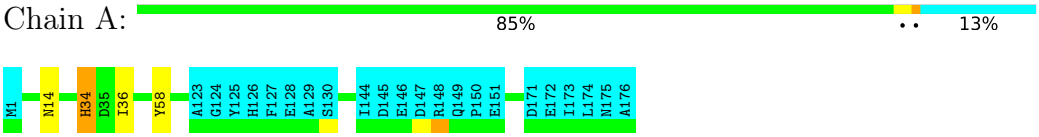
Chain A:



4.2.13 Score per residue for model 13

• Molecule 1: Flavodoxin

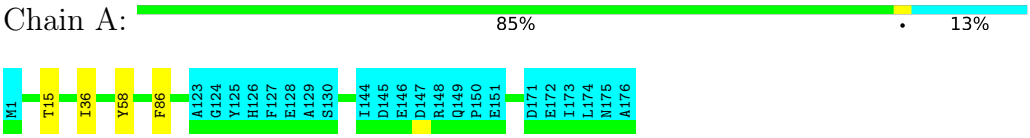
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: Flavodoxin

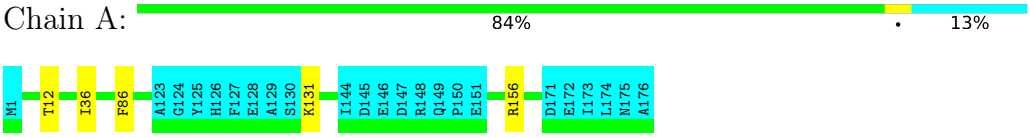
Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: Flavodoxin

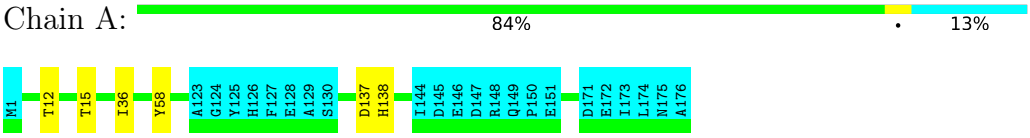
Chain A:



4.2.16 Score per residue for model 16

• Molecule 1: Flavodoxin

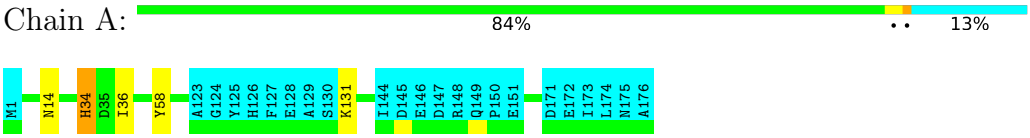
Chain A:



4.2.17 Score per residue for model 17 (medoid)

• Molecule 1: Flavodoxin

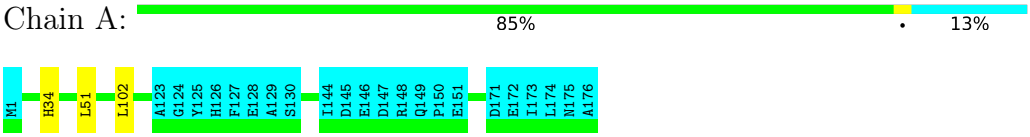
Chain A:



4.2.18 Score per residue for model 18

• Molecule 1: Flavodoxin

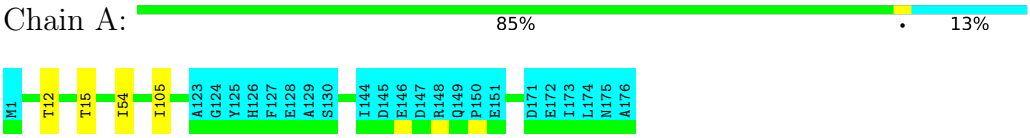
Chain A:



4.2.19 Score per residue for model 19

• Molecule 1: Flavodoxin

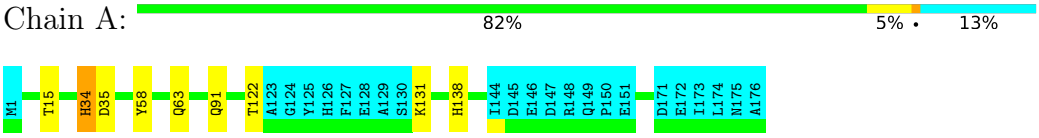
Chain A:



4.2.20 Score per residue for model 20

• Molecule 1: Flavodoxin

Chain A:



5 Refinement protocol and experimental data overview

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

Of the 100 calculated structures, 20 were deposited, based on the following criterion: *structures with the lowest energy.*

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

Software name	Classification	Version
CYANA	structure solution	
Amber	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	2048
Number of shifts mapped to atoms	2048
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	90%

6 Model quality

6.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: FMN

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	0.67±0.00	0±0/1236 (0.0± 0.0%)	1.16±0.02	1±0/1679 (0.0± 0.0%)
All	All	0.67	0/24720 (0.0%)	1.16	11/33580 (0.0%)

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

Mol	Chain	Chirality	Planarity
1	A	0.0±0.0	0.1±0.3
All	All	0	2

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	34	HIS	CB-CG-CD2	-6.25	123.08	131.20	8	9
1	A	86	PHE	CA-CB-CG	5.25	119.05	113.80	14	2

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	106	ARG	Sidechain	1
1	A	156	ARG	Sidechain	1

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
All	All	24760	23320	23320	-

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 -.

There are no clashes.

6.3 Torsion angles

6.3.1 Protein backbone

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
1	A	153/176 (87%)	149±1 (97±1%)	4±1 (2±1%)	1±0 (0±0%)	31 76
All	All	3060/3520 (87%)	2978 (97%)	70 (2%)	12 (0%)	31 76

All 1 unique Ramachandran outliers are listed below.

Mol	Chain	Res	Type	Models (Total)
1	A	58	TYR	12

6.3.2 Protein sidechains

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	A	126/145 (87%)	122±2 (97±1%)	4±2 (3±1%)	38 86

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
All	All	2520/2900 (87%)	2447 (97%)	73 (3%)	38 86

All 24 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	36	ILE	11
1	A	15	THR	9
1	A	131	LYS	7
1	A	14	ASN	6
1	A	12	THR	5
1	A	34	HIS	5
1	A	91	GLN	4
1	A	51	LEU	4
1	A	138	HIS	3
1	A	38	LYS	2
1	A	35	ASP	2
1	A	63	GLN	2
1	A	54	ILE	2
1	A	44	LEU	1
1	A	164	ILE	1
1	A	26	LEU	1
1	A	142	LEU	1
1	A	10	SER	1
1	A	24	LYS	1
1	A	81	LYS	1
1	A	137	ASP	1
1	A	102	LEU	1
1	A	105	ILE	1
1	A	122	THR	1

6.3.3 RNA (i)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates (i)

There are no oligosaccharides in this entry.

6.6 Ligand geometry (i)

1 ligand is modelled in this entry.

In the following table, the Counts columns list the number of bonds for which Mogul statistics could be retrieved, the number of bonds that are observed in the model and the number of bonds that are defined in the chemical component dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length is the number of standard deviations the observed value is removed from the expected value. A bond length with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the average root-mean-square of all Z scores of the bond lengths.

Mol	Type	Chain	Res	Link	Bond lengths		
					Counts	RMSZ	#Z>2
2	FMN	A	201	-	33,33,33	1.49±0.02	6±1 (18±1%)

In the following table, the Counts columns list the number of angles for which Mogul statistics could be retrieved, the number of angles that are observed in the model and the number of angles that are defined in the chemical component dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond angle is the number of standard deviations the observed value is removed from the expected value. A bond angle with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the average root-mean-square of all Z scores of the bond angles.

Mol	Type	Chain	Res	Link	Bond angles		
					Counts	RMSZ	#Z>2
2	FMN	A	201	-	48,50,50	1.41±0.04	7±1 (14±2%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the chemical component dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
2	FMN	A	201	-	-	0±0,18,18,18	0±0,3,3,3

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

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
2	A	201	FMN	C4A-N5	5.45	1.42	1.30	18	20
2	A	201	FMN	C1'-C2'	2.64	1.56	1.52	12	17
2	A	201	FMN	C5A-N5	2.63	1.44	1.39	4	20
2	A	201	FMN	C2-N3	2.41	1.33	1.39	15	20
2	A	201	FMN	C4-N3	2.39	1.34	1.38	20	19
2	A	201	FMN	C5'-C4'	2.36	1.55	1.51	16	2
2	A	201	FMN	P-O3P	2.28	1.46	1.54	13	20
2	A	201	FMN	C2'-C3'	2.05	1.57	1.53	1	1

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

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
2	A	201	FMN	C4A-C10-N1	3.81	115.25	124.59	16	20
2	A	201	FMN	C4A-C10-N10	3.48	121.46	116.48	19	20
2	A	201	FMN	O3'-C3'-C4'	3.48	101.03	108.93	14	7
2	A	201	FMN	O2P-P-O5'	3.31	98.04	106.67	3	6
2	A	201	FMN	C10-N1-C2	3.31	124.01	116.85	18	20
2	A	201	FMN	O3P-P-O5'	3.10	114.74	106.67	8	10
2	A	201	FMN	C10-C4A-N5	3.09	118.49	124.81	18	20
2	A	201	FMN	C4-C4A-C10	2.78	121.70	116.93	20	20
2	A	201	FMN	O5'-P-O1P	2.72	113.79	106.44	3	6
2	A	201	FMN	C1'-C2'-C3'	2.60	116.71	109.66	16	1
2	A	201	FMN	C5'-C4'-C3'	2.51	116.94	112.22	14	5
2	A	201	FMN	O2'-C2'-C3'	2.33	103.80	109.25	16	1
2	A	201	FMN	C4'-C3'-C2'	2.25	117.31	113.57	14	4
2	A	201	FMN	O4'-C4'-C5'	2.07	105.41	109.99	19	1

There are no chirality outliers.

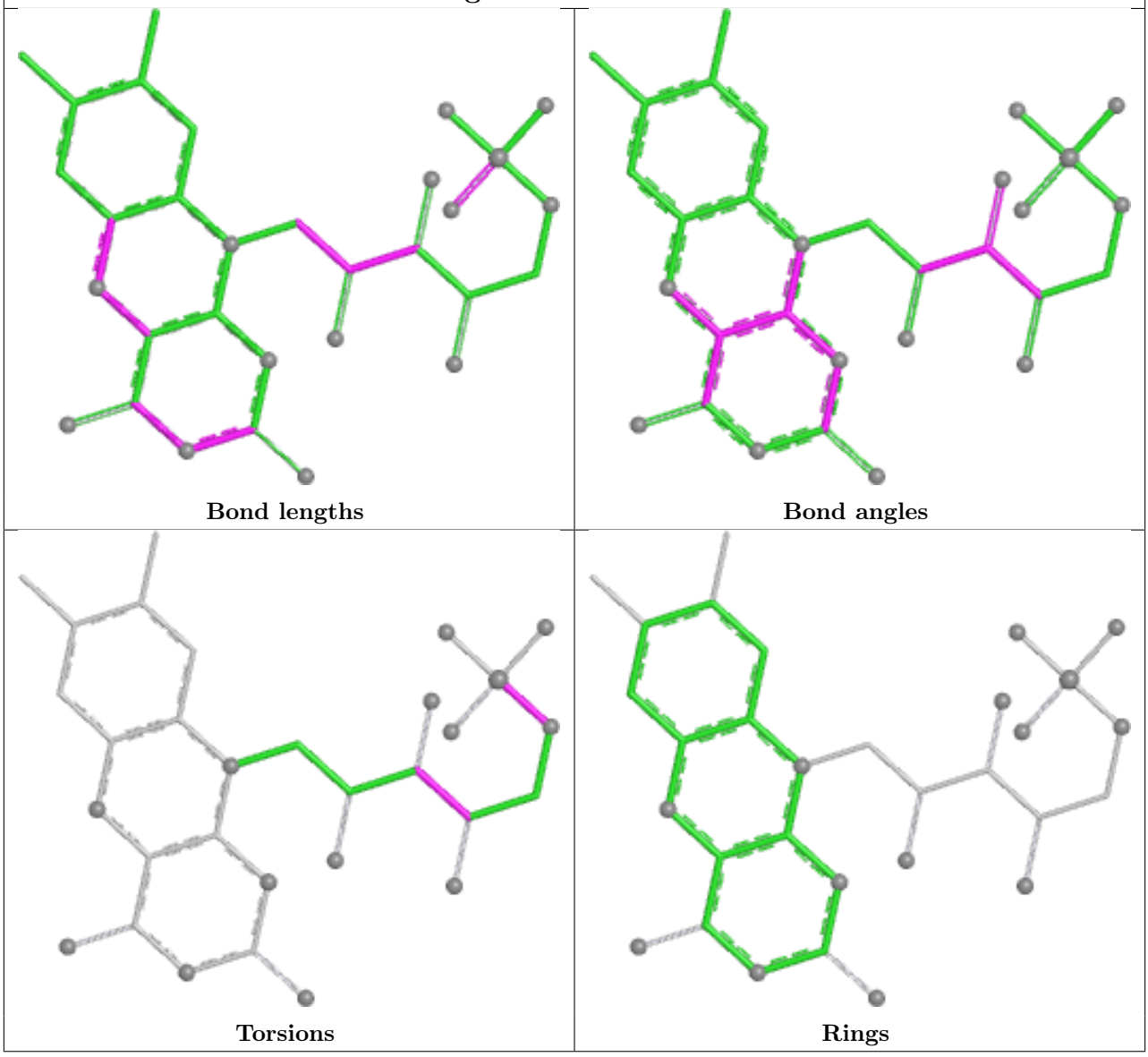
There are no torsion outliers.

There are no ring outliers.

The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less then 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier.

The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.

Ligand FMN A 201



6.7 Other polymers (i)

There are no such molecules in this entry.

6.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 90% for the well-defined parts and 88% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	2048
Number of shifts mapped to atoms	2048
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	23

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	175	-0.38 ± 0.10	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	159	0.08 ± 0.10	None needed (< 0.5 ppm)
$^{13}C'$	174	0.06 ± 0.14	None needed (< 0.5 ppm)
^{15}N	169	0.17 ± 0.23	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 90%, i.e. 1817 atoms were assigned a chemical shift out of a possible 2030. 0 out of 21 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	768/771 (100%)	315/316 (100%)	305/306 (100%)	148/149 (99%)
Sidechain	950/1058 (90%)	634/687 (92%)	307/345 (89%)	9/26 (35%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	99/201 (49%)	51/100 (51%)	44/93 (47%)	4/8 (50%)
Overall	1817/2030 (90%)	1000/1103 (91%)	656/744 (88%)	161/183 (88%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 88%, i.e. 2048 atoms were assigned a chemical shift out of a possible 2327. 0 out of 22 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	877/885 (99%)	359/362 (99%)	349/352 (99%)	169/171 (99%)
Sidechain	1069/1215 (88%)	713/787 (91%)	345/397 (87%)	11/31 (35%)
Aromatic	102/227 (45%)	53/113 (47%)	45/105 (43%)	4/9 (44%)
Overall	2048/2327 (88%)	1125/1262 (89%)	739/854 (87%)	184/211 (87%)

7.1.4 Statistically unusual chemical shifts (i)

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

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	144	ILE	CD1	78.32	5.18 – 21.60	39.5
1	A	18	ILE	CD1	78.21	5.18 – 21.60	39.5
1	A	112	ARG	NE	115.77	76.53 – 92.65	19.3
1	A	156	ARG	NE	114.98	76.53 – 92.65	18.9
1	A	148	ARG	NE	114.33	76.53 – 92.65	18.4
1	A	106	ARG	NE	113.87	76.53 – 92.65	18.2
1	A	160	TRP	NE1	103.52	118.53 – 139.98	-12.0
1	A	142	LEU	HB3	-1.70	-0.26 – 3.31	-9.1
1	A	36	ILE	HG12	-1.34	-0.69 – 3.24	-6.7
1	A	91	GLN	HE22	9.59	4.88 – 9.19	5.9
1	A	91	GLN	HB3	0.48	0.71 – 3.33	-5.8
1	A	53	GLY	HA3	1.79	2.08 – 5.71	-5.8
1	A	94	TYR	HE2	5.42	5.58 – 7.83	-5.7
1	A	94	TYR	HE1	5.46	5.59 – 7.82	-5.6
1	A	5	GLY	HA3	1.94	2.08 – 5.71	-5.4
1	A	36	ILE	HB	0.24	0.35 – 3.22	-5.4
1	A	156	ARG	CZ	179.19	141.81 – 177.93	5.3
1	A	142	LEU	HD11	-0.68	-0.61 – 2.12	-5.3
1	A	142	LEU	HD12	-0.68	-0.61 – 2.12	-5.3
1	A	142	LEU	HD13	-0.68	-0.61 – 2.12	-5.3
1	A	11	ASP	H	11.20	5.52 – 11.08	5.2
1	A	15	THR	H	11.33	5.19 – 11.27	5.1

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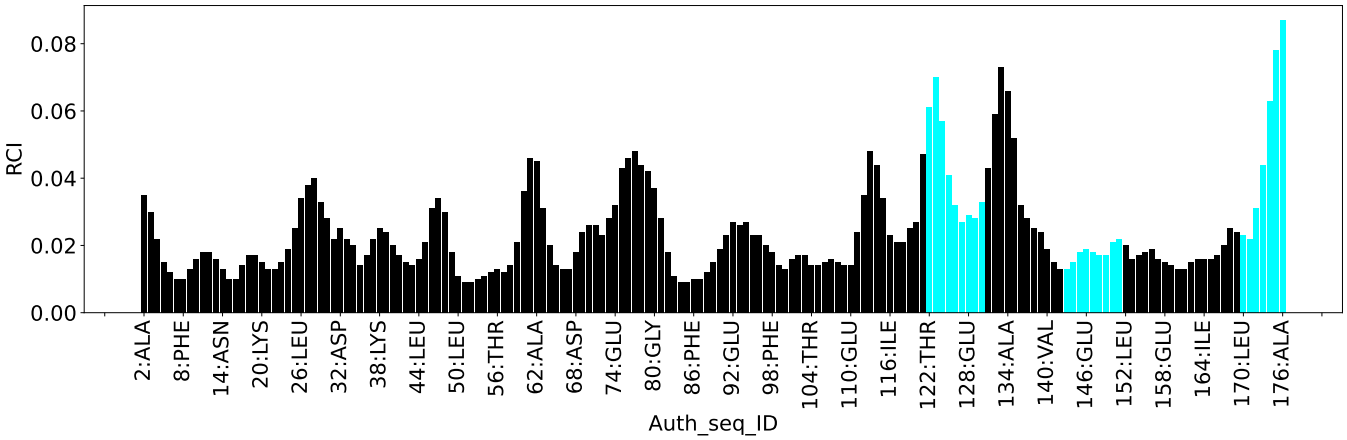
List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	55	PRO	HG2	3.46	0.41 – 3.45	5.0

7.1.5 Random Coil Index (RCI) plots

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	7743
Intra-residue (|i-j|=0)	2340
Sequential (|i-j|=1)	1691
Medium range (|i-j|>1 and |i-j|<5)	1461
Long range (|i-j|≥5)	2220
Inter-chain	29
Hydrogen bond restraints	2
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	0
Number of restraints per residue	43.7
Number of long range restraints per residue[1]	12.6

[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)	81.0	0.2
0.2-0.5 (Medium)	187.9	0.5
>0.5 (Large)	338.6	5.84

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

Dihedral-angle violations less than 1° are not included in the calculation.There are no dihedral-angle violations

9 Distance violation analysis (i)

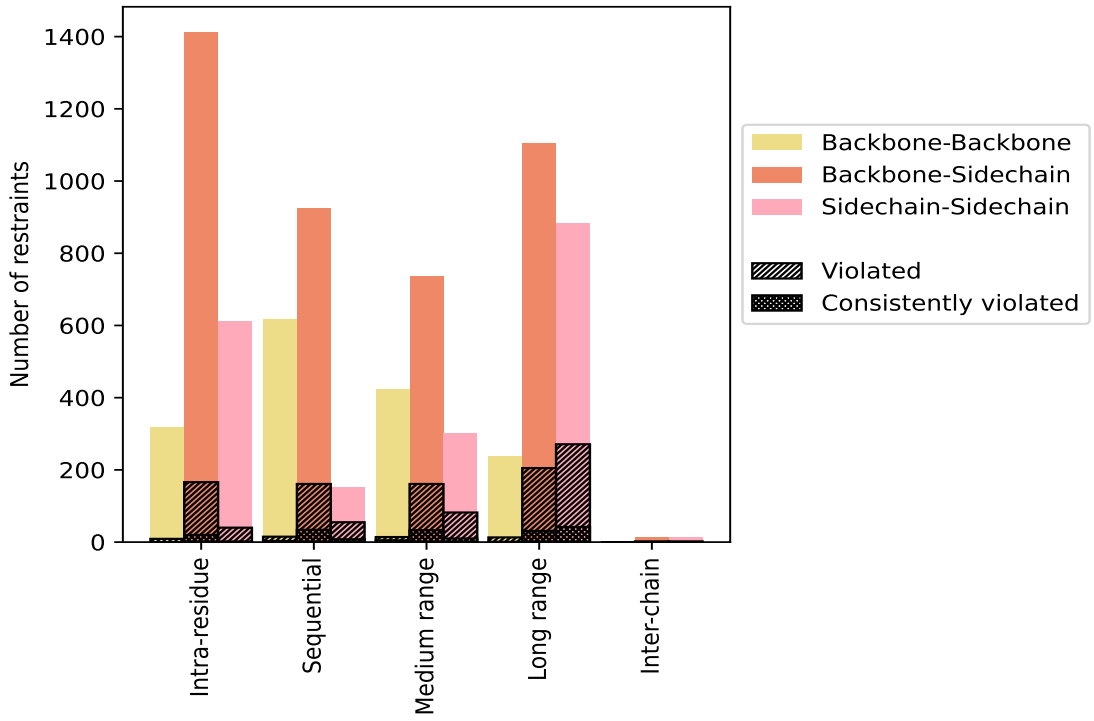
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	2340	30.2	215	9.2	2.8	22	0.9	0.3
Backbone-Backbone	318	4.1	9	2.8	0.1	0	0.0	0.0
Backbone-Sidechain	1412	18.2	166	11.8	2.1	20	1.4	0.3
Sidechain-Sidechain	610	7.9	40	6.6	0.5	2	0.3	0.0
Sequential (|i-j|=1)	1691	21.8	231	13.7	3.0	45	2.7	0.6
Backbone-Backbone	616	8.0	15	2.4	0.2	3	0.5	0.0
Backbone-Sidechain	923	11.9	161	17.4	2.1	34	3.7	0.4
Sidechain-Sidechain	152	2.0	55	36.2	0.7	8	5.3	0.1
Medium range (|i-j|>1 & |i-j|<5)	1461	18.9	257	17.6	3.3	48	3.3	0.6
Backbone-Backbone	424	5.5	14	3.3	0.2	5	1.2	0.1
Backbone-Sidechain	735	9.5	161	21.9	2.1	33	4.5	0.4
Sidechain-Sidechain	302	3.9	82	27.2	1.1	10	3.3	0.1
Long range (|i-j|≥5)	2220	28.7	489	22.0	6.3	74	3.3	1.0
Backbone-Backbone	237	3.1	13	5.5	0.2	1	0.4	0.0
Backbone-Sidechain	1101	14.2	205	18.6	2.6	31	2.8	0.4
Sidechain-Sidechain	882	11.4	271	30.7	3.5	42	4.8	0.5
Inter-chain	29	0.4	4	13.8	0.1	0	0.0	0.0
Backbone-Backbone	3	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	13	0.2	2	15.4	0.0	0	0.0	0.0
Sidechain-Sidechain	13	0.2	2	15.4	0.0	0	0.0	0.0
Hydrogen bond	2	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	7743	100.0	1196	15.4	15.4	189	2.4	2.4
Backbone-Backbone	1598	20.6	51	3.2	0.7	9	0.6	0.1
Backbone-Sidechain	4186	54.1	695	16.6	9.0	118	2.8	1.5
Sidechain-Sidechain	1959	25.3	450	23.0	5.8	62	3.2	0.8

[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	100	122	148	236	0	606	0.78	5.84	0.68	0.59
2	122	130	155	239	1	647	0.8	5.66	0.73	0.58
3	104	129	126	217	1	577	0.82	5.42	0.71	0.61
4	105	134	142	218	0	599	0.82	5.49	0.73	0.58
5	113	132	146	239	0	630	0.82	4.52	0.72	0.58
6	109	124	134	228	2	597	0.8	5.19	0.72	0.57
7	106	135	155	234	1	631	0.83	4.21	0.7	0.58
8	109	133	157	212	1	612	0.81	4.65	0.68	0.58
9	105	138	147	225	1	616	0.83	5.35	0.71	0.6
10	97	125	142	222	0	586	0.81	4.66	0.7	0.58

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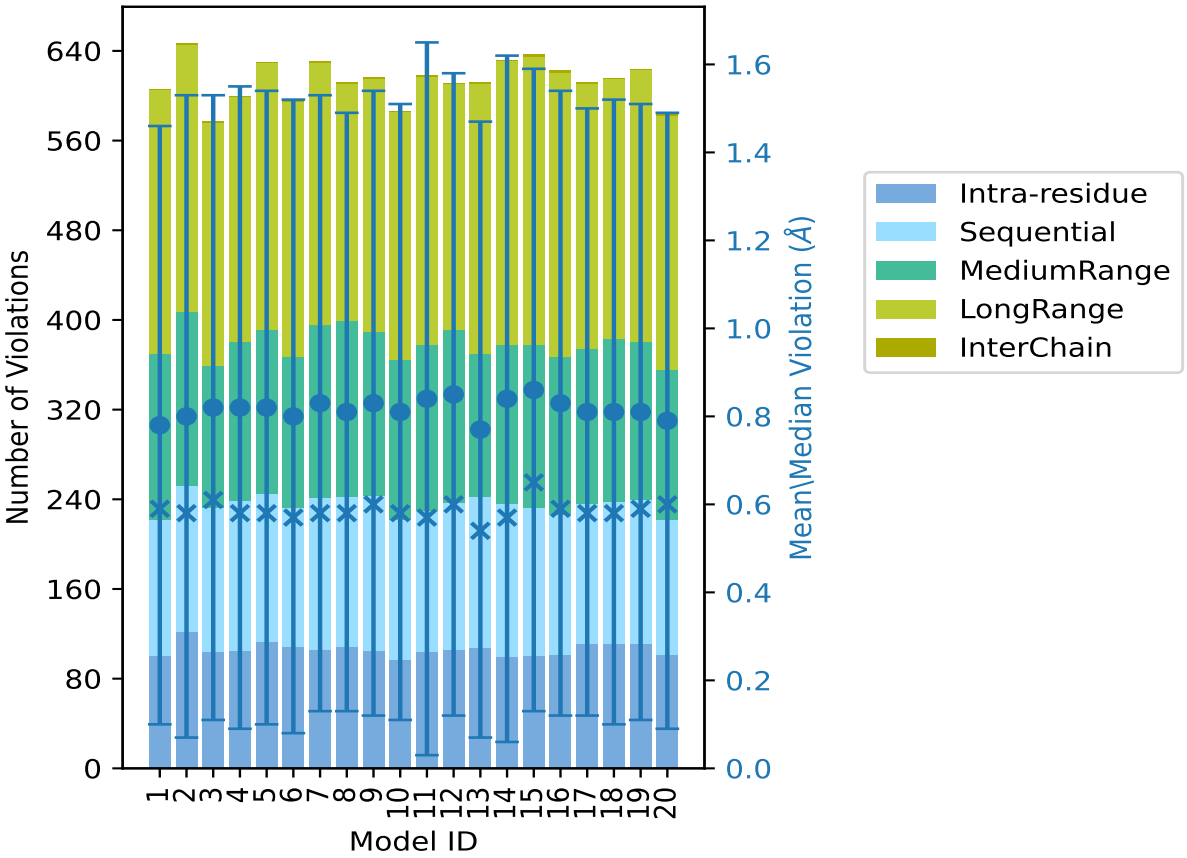
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	104	126	148	239	1	618	0.84	5.38	0.81	0.57
12	106	131	154	220	0	611	0.85	4.09	0.73	0.6
13	108	134	128	241	1	612	0.77	4.87	0.7	0.54
14	100	136	142	253	0	631	0.84	5.45	0.78	0.57
15	100	132	146	257	2	637	0.86	4.81	0.73	0.65
16	102	124	141	254	2	623	0.83	3.87	0.71	0.59
17	111	125	138	237	1	612	0.81	5.5	0.69	0.58
18	111	127	145	232	0	615	0.81	4.28	0.71	0.58
19	111	129	141	242	0	623	0.81	4.64	0.7	0.59
20	101	121	134	226	1	583	0.79	4.11	0.7	0.6

[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

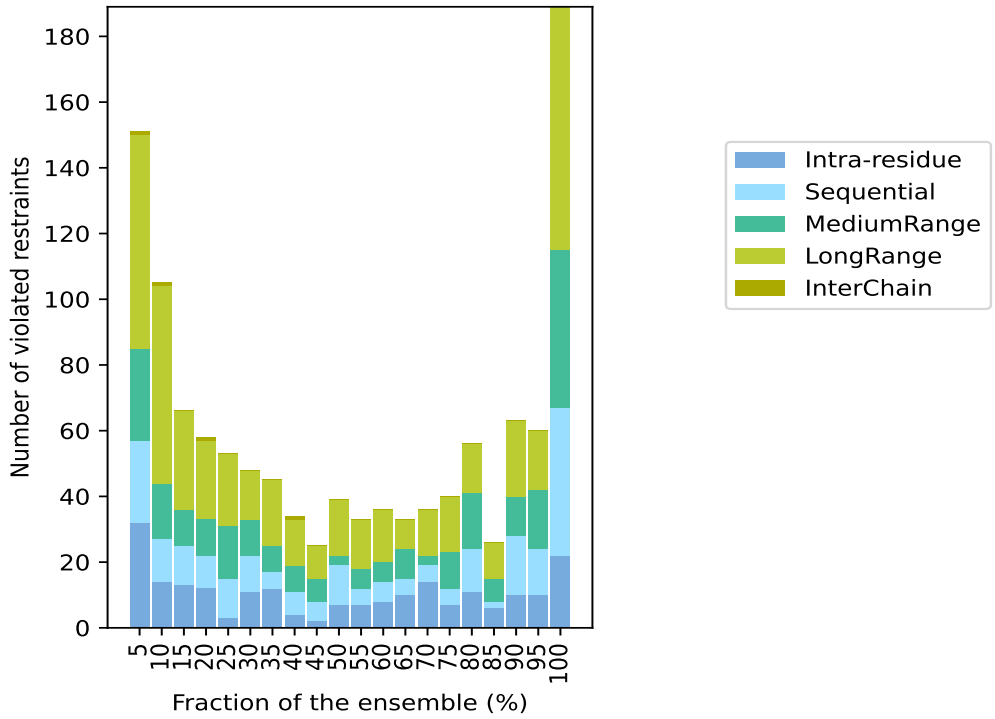
9.3 Distance violation statistics for the ensemble (i)

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, 6545(IR:2125, SQ:1460, MR:1204, LR:1731, IC:25) 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]	%
32	25	28	65	1	151	1	5.0
14	13	17	60	1	105	2	10.0
13	12	11	30	0	66	3	15.0
12	10	11	24	1	58	4	20.0
3	12	16	22	0	53	5	25.0
11	11	11	15	0	48	6	30.0
12	5	8	20	0	45	7	35.0
4	7	8	14	1	34	8	40.0
2	6	7	10	0	25	9	45.0
7	12	3	17	0	39	10	50.0
7	5	6	15	0	33	11	55.0
8	6	6	16	0	36	12	60.0
10	5	9	9	0	33	13	65.0
14	5	3	14	0	36	14	70.0
7	5	11	17	0	40	15	75.0
11	13	17	15	0	56	16	80.0
6	2	7	11	0	26	17	85.0
10	18	12	23	0	63	18	90.0
10	14	18	18	0	60	19	95.0
22	45	48	74	0	189	20	100.0

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

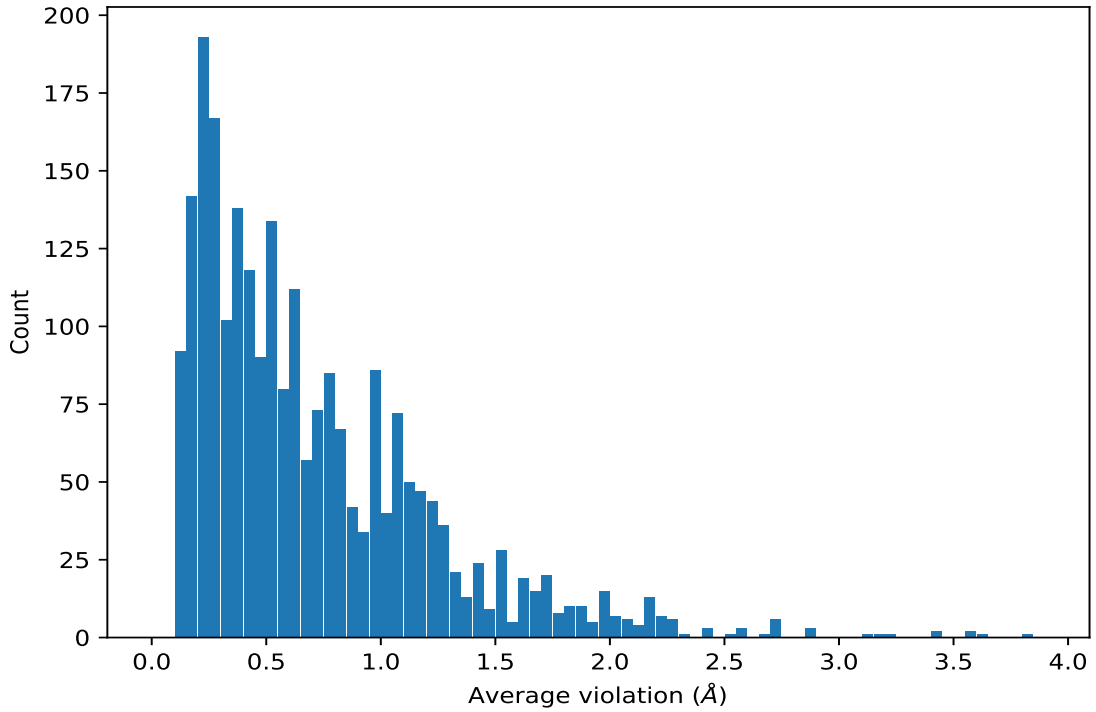
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints (i)

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,97)	1:163:A:GLN:HG3	1:120:A:TRP:HZ2	20	3.82	0.71	3.66
(2,1176)	1:28:A:LYS:HG2	1:24:A:LYS:HA	20	3.6	0.94	3.91
(2,3174)	1:156:A:ARG:HB2	1:144:A:ILE:HG12	20	3.41	1.25	3.17
(2,2356)	1:80:A:GLY:H	1:81:A:LYS:HE3	20	3.4	1.08	3.96
(2,3785)	1:91:A:GLN:HG2	1:93:A:ASP:H	20	3.21	0.73	3.26
(3,411)	1:97:A:TYR:HA	1:58:A:TYR:H	20	3.19	0.28	3.22
(2,3315)	1:175:A:ASN:HD22	1:174:A:LEU:HB2	20	3.14	0.16	3.14
(2,1188)	1:174:A:LEU:HD11	1:170:A:LEU:HA	20	2.89	0.13	2.84
(2,1188)	1:174:A:LEU:HD12	1:170:A:LEU:HA	20	2.89	0.13	2.84
(2,1188)	1:174:A:LEU:HD13	1:170:A:LEU:HA	20	2.89	0.13	2.84
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB1	20	2.74	0.64	2.71
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB2	20	2.74	0.64	2.71
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB3	20	2.74	0.64	2.71
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB1	20	2.74	0.64	2.71
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB2	20	2.74	0.64	2.71
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB3	20	2.74	0.64	2.71

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2795)	1:117:A:VAL:HG11	1:164:A:ILE:HB	20	2.59	0.26	2.62
(2,2795)	1:117:A:VAL:HG12	1:164:A:ILE:HB	20	2.59	0.26	2.62
(2,2795)	1:117:A:VAL:HG13	1:164:A:ILE:HB	20	2.59	0.26	2.62
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD11	20	2.4	0.66	2.61
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD12	20	2.4	0.66	2.61
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD13	20	2.4	0.66	2.61
(2,5044)	1:128:A:GLU:HG3	1:127:A:PHE:H	20	2.29	0.4	2.44
(2,2651)	1:149:A:GLN:HB2	1:90:A:ASP:HA	20	2.28	0.57	2.41
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD21	20	2.25	1.03	1.94
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD22	20	2.25	1.03	1.94
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD23	20	2.25	1.03	1.94
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG21	20	2.21	0.95	2.04
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG22	20	2.21	0.95	2.04
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG23	20	2.21	0.95	2.04
(2,4960)	1:73:A:LEU:HD11	1:108:A:ILE:H	20	2.2	0.39	2.23
(2,4960)	1:73:A:LEU:HD12	1:108:A:ILE:H	20	2.2	0.39	2.23
(2,4960)	1:73:A:LEU:HD13	1:108:A:ILE:H	20	2.2	0.39	2.23
(2,1721)	1:24:A:LYS:HE2	1:28:A:LYS:HB2	20	2.19	0.96	2.0
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG11	20	2.18	0.29	2.12
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG12	20	2.18	0.29	2.12
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG13	20	2.18	0.29	2.12
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG11	20	2.18	0.29	2.12
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG12	20	2.18	0.29	2.12
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG13	20	2.18	0.29	2.12
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG11	20	2.18	0.29	2.12
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG12	20	2.18	0.29	2.12
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG13	20	2.18	0.29	2.12
(2,5196)	1:156:A:ARG:HG2	1:154:A:ALA:H	20	2.02	0.16	2.06
(2,3911)	1:105:A:ILE:HG12	1:104:A:THR:H	20	2.01	0.13	2.01
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD11	20	1.99	0.73	1.78
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD12	20	1.99	0.73	1.78
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD13	20	1.99	0.73	1.78
(2,1713)	1:174:A:LEU:HD11	1:166:A:GLU:HA	20	1.98	0.27	1.95
(2,1713)	1:174:A:LEU:HD12	1:166:A:GLU:HA	20	1.98	0.27	1.95
(2,1713)	1:174:A:LEU:HD13	1:166:A:GLU:HA	20	1.98	0.27	1.95
(2,1203)	1:30:A:VAL:HG11	1:174:A:LEU:HA	20	1.95	0.95	1.72
(2,1203)	1:30:A:VAL:HG12	1:174:A:LEU:HA	20	1.95	0.95	1.72
(2,1203)	1:30:A:VAL:HG13	1:174:A:LEU:HA	20	1.95	0.95	1.72
(2,3429)	1:155:A:GLU:HG2	1:159:A:LYS:HE2	20	1.9	0.91	2.08
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD11	20	1.9	0.45	2.02
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD12	20	1.9	0.45	2.02
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD13	20	1.9	0.45	2.02

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,5271)	1:117:A:VAL:HG11	1:164:A:ILE:H	20	1.88	0.19	1.88
(2,5271)	1:117:A:VAL:HG12	1:164:A:ILE:H	20	1.88	0.19	1.88
(2,5271)	1:117:A:VAL:HG13	1:164:A:ILE:H	20	1.88	0.19	1.88
(2,5366)	1:10:A:SER:HA	1:14:A:ASN:HD22	20	1.84	0.12	1.9
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD21	20	1.83	0.38	1.97
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD22	20	1.83	0.38	1.97
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD23	20	1.83	0.38	1.97
(2,1505)	1:23:A:GLN:HE22	1:20:A:LYS:HA	20	1.81	0.13	1.8
(2,3660)	1:24:A:LYS:HG3	1:21:A:MET:H	20	1.8	0.99	1.13
(2,4129)	1:111:A:PRO:HD3	1:109:A:ILE:H	20	1.76	0.36	1.94
(2,2080)	1:82:A:LEU:HD21	1:49:A:ILE:HA	20	1.73	0.2	1.79
(2,2080)	1:82:A:LEU:HD22	1:49:A:ILE:HA	20	1.73	0.2	1.79
(2,2080)	1:82:A:LEU:HD23	1:49:A:ILE:HA	20	1.73	0.2	1.79
(2,4467)	1:23:A:GLN:HE22	1:24:A:LYS:H	20	1.73	0.09	1.74
(3,105)	1:64:A:CYS:HB2	1:37:A:ALA:HA	20	1.73	0.46	1.64
(2,3517)	1:170:A:LEU:HD11	1:173:A:ILE:HB	20	1.72	0.27	1.67
(2,3517)	1:170:A:LEU:HD12	1:173:A:ILE:HB	20	1.72	0.27	1.67
(2,3517)	1:170:A:LEU:HD13	1:173:A:ILE:HB	20	1.72	0.27	1.67
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB2	20	1.7	1.1	1.38
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB2	20	1.7	1.1	1.38
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB2	20	1.7	1.1	1.38
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB3	20	1.7	1.1	1.38
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB3	20	1.7	1.1	1.38
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB3	20	1.7	1.1	1.38
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD11	20	1.68	0.45	1.73
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD12	20	1.68	0.45	1.73
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD13	20	1.68	0.45	1.73
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD11	20	1.68	0.45	1.73
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD12	20	1.68	0.45	1.73
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD13	20	1.68	0.45	1.73
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD11	20	1.68	0.45	1.73
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD12	20	1.68	0.45	1.73
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD13	20	1.68	0.45	1.73
(2,1204)	1:128:A:GLU:HB2	1:95:A:ALA:HA	20	1.68	0.19	1.67
(2,4003)	1:76:A:ILE:HG12	1:75:A:GLU:H	20	1.66	0.12	1.7
(2,4953)	1:108:A:ILE:HG12	1:107:A:ASP:H	20	1.64	0.1	1.65
(2,3827)	1:145:A:ASP:HB2	1:147:A:ASP:H	20	1.63	0.69	1.62
(2,2091)	1:168:A:LEU:HB2	1:49:A:ILE:HG12	20	1.61	0.63	1.45
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD1	20	1.54	0.8	1.73
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD2	20	1.54	0.8	1.73
(2,816)	1:165:A:SER:HA	1:26:A:LEU:HG	20	1.54	0.88	1.64
(2,3987)	1:49:A:ILE:HD11	1:170:A:LEU:H	20	1.53	0.65	1.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3987)	1:49:A:ILE:HD12	1:170:A:LEU:H	20	1.53	0.65	1.62
(2,3987)	1:49:A:ILE:HD13	1:170:A:LEU:H	20	1.53	0.65	1.62
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG11	20	1.52	0.28	1.55
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG12	20	1.52	0.28	1.55
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG13	20	1.52	0.28	1.55
(2,4932)	1:106:A:ARG:HB2	1:104:A:THR:H	20	1.51	0.38	1.41
(2,1131)	1:105:A:ILE:HG12	1:102:A:LEU:HA	20	1.49	0.29	1.49
(2,1717)	1:158:A:GLU:HG2	1:155:A:GLU:HA	20	1.47	0.52	1.6
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	20	1.47	0.65	1.27
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	20	1.47	0.65	1.27
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	20	1.47	0.65	1.27
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	20	1.47	0.65	1.27
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	20	1.47	0.65	1.27
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	20	1.47	0.65	1.27
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD1	20	1.43	0.57	1.34
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD2	20	1.43	0.57	1.34
(2,5189)	1:156:A:ARG:HG2	1:153:A:THR:H	20	1.4	0.32	1.44
(2,3856)	1:42:A:GLU:HB3	1:43:A:ASP:H	20	1.39	0.07	1.41
(2,2461)	1:74:A:GLU:HG2	1:75:A:GLU:HG3	20	1.38	0.81	1.11
(2,4052)	1:38:A:LYS:HD2	1:38:A:LYS:H	20	1.36	0.56	1.43
(2,81)	1:105:A:ILE:HB	1:70:A:PHE:HZ	20	1.35	0.19	1.36
(2,3686)	1:160:A:TRP:HB2	1:162:A:LYS:H	20	1.35	0.05	1.35
(2,3437)	1:170:A:LEU:HG	1:164:A:ILE:HA	20	1.34	0.26	1.42
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD11	20	1.33	0.66	1.1
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD12	20	1.33	0.66	1.1
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD13	20	1.33	0.66	1.1
(2,4866)	1:91:A:GLN:HG3	1:93:A:ASP:H	20	1.28	0.58	1.16
(2,4509)	1:28:A:LYS:HG3	1:30:A:VAL:H	20	1.27	0.37	1.46
(2,5269)	1:167:A:GLU:HB3	1:164:A:ILE:H	20	1.26	0.16	1.26
(2,2180)	1:161:A:VAL:HG11	1:162:A:LYS:HD2	20	1.25	0.28	1.24
(2,2180)	1:161:A:VAL:HG12	1:162:A:LYS:HD2	20	1.25	0.28	1.24
(2,2180)	1:161:A:VAL:HG13	1:162:A:LYS:HD2	20	1.25	0.28	1.24
(2,746)	1:169:A:HIS:HB2	1:172:A:GLU:HG2	20	1.23	0.86	0.88
(2,4633)	1:3:A:ILE:HG12	1:48:A:ASP:H	20	1.23	0.38	1.21
(2,5345)	1:174:A:LEU:HG	1:175:A:ASN:HD22	20	1.22	0.25	1.18
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB1	20	1.22	0.09	1.26
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB2	20	1.22	0.09	1.26
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB3	20	1.22	0.09	1.26
(2,1742)	1:30:A:VAL:HG11	1:29:A:ASP:HB2	20	1.22	0.11	1.17
(2,1742)	1:30:A:VAL:HG12	1:29:A:ASP:HB2	20	1.22	0.11	1.17
(2,1742)	1:30:A:VAL:HG13	1:29:A:ASP:HB2	20	1.22	0.11	1.17
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB1	20	1.21	0.16	1.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB2	20	1.21	0.16	1.18
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB3	20	1.21	0.16	1.18
(2,2547)	1:168:A:LEU:HD11	1:82:A:LEU:HB2	20	1.2	0.45	1.32
(2,2547)	1:168:A:LEU:HD12	1:82:A:LEU:HB2	20	1.2	0.45	1.32
(2,2547)	1:168:A:LEU:HD13	1:82:A:LEU:HB2	20	1.2	0.45	1.32
(2,1710)	1:171:A:ASP:HB2	1:172:A:GLU:HA	20	1.19	0.03	1.2
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB1	20	1.19	0.33	1.19
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB2	20	1.19	0.33	1.19
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB3	20	1.19	0.33	1.19
(2,5300)	1:82:A:LEU:HD21	1:168:A:LEU:H	20	1.18	0.8	0.76
(2,5300)	1:82:A:LEU:HD22	1:168:A:LEU:H	20	1.18	0.8	0.76
(2,5300)	1:82:A:LEU:HD23	1:168:A:LEU:H	20	1.18	0.8	0.76
(2,1180)	1:68:A:ASP:HB2	1:65:A:ASP:HA	20	1.17	0.36	1.12
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB1	20	1.15	0.74	1.01
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB2	20	1.15	0.74	1.01
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB3	20	1.15	0.74	1.01
(2,2501)	1:162:A:LYS:HE2	1:158:A:GLU:HA	20	1.13	0.68	1.47
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG21	20	1.13	0.23	1.11
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG22	20	1.13	0.23	1.11
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG23	20	1.13	0.23	1.11
(2,5344)	1:171:A:ASP:HB2	1:175:A:ASN:HD22	20	1.12	0.75	0.67
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD11	20	1.12	0.45	1.0
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD12	20	1.12	0.45	1.0
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD13	20	1.12	0.45	1.0
(2,3774)	1:174:A:LEU:HD11	1:174:A:LEU:H	20	1.11	0.03	1.11
(2,3774)	1:174:A:LEU:HD12	1:174:A:LEU:H	20	1.11	0.03	1.11
(2,3774)	1:174:A:LEU:HD13	1:174:A:LEU:H	20	1.11	0.03	1.11
(2,4115)	1:170:A:LEU:HD11	1:169:A:HIS:H	20	1.1	0.11	1.12
(2,4115)	1:170:A:LEU:HD12	1:169:A:HIS:H	20	1.1	0.11	1.12
(2,4115)	1:170:A:LEU:HD13	1:169:A:HIS:H	20	1.1	0.11	1.12
(2,3966)	1:108:A:ILE:HG12	1:108:A:ILE:H	20	1.1	0.05	1.1
(2,4708)	1:61:A:GLU:HB2	1:63:A:GLN:H	20	1.1	0.48	0.94
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	20	1.09	0.1	1.09
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	20	1.09	0.1	1.09
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	20	1.09	0.1	1.09
(2,4359)	1:49:A:ILE:HG12	1:5:A:GLY:H	20	1.09	0.3	1.16
(2,748)	1:155:A:GLU:HA	1:158:A:GLU:HG3	20	1.08	0.4	1.16
(2,2275)	1:158:A:GLU:HG3	1:155:A:GLU:HA	20	1.08	0.4	1.16
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG21	20	1.07	0.04	1.06
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG22	20	1.07	0.04	1.06
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG23	20	1.07	0.04	1.06
(2,171)	1:52:A:LEU:HB2	1:66:A:TRP:HZ2	20	1.07	0.22	1.01

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3433)	1:162:A:LYS:H	1:163:A:GLN:HG3	20	1.07	0.62	1.46
(2,5211)	1:152:A:LEU:HD21	1:156:A:ARG:H	20	1.04	0.36	0.92
(2,5211)	1:152:A:LEU:HD22	1:156:A:ARG:H	20	1.04	0.36	0.92
(2,5211)	1:152:A:LEU:HD23	1:156:A:ARG:H	20	1.04	0.36	0.92
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD11	20	1.03	0.25	1.08
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD12	20	1.03	0.25	1.08
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD13	20	1.03	0.25	1.08
(2,4119)	1:59:A:TYR:HB3	1:59:A:TYR:H	20	1.03	0.33	1.16
(2,3145)	1:158:A:GLU:HA	1:162:A:LYS:HG2	20	1.03	0.17	1.03
(2,3396)	1:162:A:LYS:HG2	1:158:A:GLU:HA	20	1.03	0.17	1.03
(3,310)	1:18:A:ILE:HG12	1:55:A:PRO:HD3	20	1.02	0.41	1.0
(2,1183)	1:76:A:ILE:HG12	1:73:A:LEU:HA	20	1.02	0.09	1.01
(2,3513)	1:172:A:GLU:HG2	1:171:A:ASP:HB2	20	1.01	0.37	0.77
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD11	20	0.99	0.34	1.17
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD12	20	0.99	0.34	1.17
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD13	20	0.99	0.34	1.17
(2,4639)	1:82:A:LEU:HB3	1:49:A:ILE:H	20	0.97	0.19	0.95
(3,35)	1:158:A:GLU:H	1:120:A:TRP:HZ2	20	0.92	0.28	0.94
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE1	20	0.92	0.35	0.94
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE2	20	0.92	0.35	0.94
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE1	20	0.92	0.35	0.94
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE2	20	0.92	0.35	0.94
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE1	20	0.92	0.35	0.94
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE2	20	0.92	0.35	0.94
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD11	20	0.9	0.09	0.91
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD12	20	0.9	0.09	0.91
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD13	20	0.9	0.09	0.91
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG11	20	0.89	0.26	0.92
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG12	20	0.89	0.26	0.92
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG13	20	0.89	0.26	0.92
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG21	20	0.88	0.05	0.87
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG22	20	0.88	0.05	0.87
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG23	20	0.88	0.05	0.87
(2,119)	1:120:A:TRP:H	1:160:A:TRP:HD1	20	0.88	0.22	0.89
(2,5310)	1:166:A:GLU:HB3	1:169:A:HIS:H	20	0.85	0.17	0.89
(2,4734)	1:65:A:ASP:H	1:69:A:PHE:H	20	0.83	0.18	0.87
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD11	20	0.82	0.44	0.68
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD12	20	0.82	0.44	0.68
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD13	20	0.82	0.44	0.68
(2,5355)	1:142:A:LEU:HD11	1:120:A:TRP:HE1	20	0.82	0.44	0.68
(2,5355)	1:142:A:LEU:HD12	1:120:A:TRP:HE1	20	0.82	0.44	0.68
(2,5355)	1:142:A:LEU:HD13	1:120:A:TRP:HE1	20	0.82	0.44	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3965)	1:111:A:PRO:HD2	1:108:A:ILE:H	20	0.81	0.28	0.76
(2,437)	1:134:A:ALA:H	1:140:A:VAL:HB	20	0.81	0.51	0.68
(2,5075)	1:140:A:VAL:HB	1:134:A:ALA:H	20	0.81	0.51	0.68
(2,5078)	1:140:A:VAL:HB	1:134:A:ALA:H	20	0.81	0.51	0.68
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD21	20	0.8	0.16	0.78
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD22	20	0.8	0.16	0.78
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD23	20	0.8	0.16	0.78
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG21	20	0.8	0.28	0.86
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG22	20	0.8	0.28	0.86
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG23	20	0.8	0.28	0.86
(2,5100)	1:133:A:LEU:HB2	1:138:A:HIS:H	20	0.79	0.31	0.88
(2,3738)	1:6:A:ILE:HD11	1:22:A:ILE:H	20	0.76	0.09	0.74
(2,3738)	1:6:A:ILE:HD12	1:22:A:ILE:H	20	0.76	0.09	0.74
(2,3738)	1:6:A:ILE:HD13	1:22:A:ILE:H	20	0.76	0.09	0.74
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG21	20	0.76	0.45	0.5
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG22	20	0.76	0.45	0.5
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG23	20	0.76	0.45	0.5
(2,3967)	1:105:A:ILE:HG21	1:108:A:ILE:H	20	0.75	0.07	0.75
(2,3967)	1:105:A:ILE:HG22	1:108:A:ILE:H	20	0.75	0.07	0.75
(2,3967)	1:105:A:ILE:HG23	1:108:A:ILE:H	20	0.75	0.07	0.75
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD11	20	0.73	0.24	0.67
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD12	20	0.73	0.24	0.67
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD13	20	0.73	0.24	0.67
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG21	20	0.73	0.23	0.76
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG22	20	0.73	0.23	0.76
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG23	20	0.73	0.23	0.76
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG21	20	0.73	0.23	0.76
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG22	20	0.73	0.23	0.76
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG23	20	0.73	0.23	0.76
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG21	20	0.73	0.23	0.76
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG22	20	0.73	0.23	0.76
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG23	20	0.73	0.23	0.76
(2,3823)	1:68:A:ASP:HB2	1:69:A:PHE:H	20	0.72	0.04	0.72
(2,4435)	1:20:A:LYS:HD2	1:19:A:ALA:H	20	0.69	0.5	0.36
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD21	20	0.68	0.05	0.69
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD22	20	0.68	0.05	0.69
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD23	20	0.68	0.05	0.69
(2,4442)	1:18:A:ILE:HB	1:20:A:LYS:H	20	0.68	0.04	0.68
(2,5190)	1:156:A:ARG:HB3	1:153:A:THR:H	20	0.68	0.28	0.64
(2,5190)	1:156:A:ARG:HB2	1:153:A:THR:H	20	0.68	0.28	0.64
(3,288)	1:25:A:GLN:HG2	1:161:A:VAL:HA	20	0.68	0.13	0.69
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD11	20	0.66	0.18	0.63

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD12	20	0.66	0.18	0.63
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD13	20	0.66	0.18	0.63
(2,4768)	1:76:A:ILE:HG12	1:75:A:GLU:H	20	0.66	0.12	0.7
(2,4951)	1:108:A:ILE:HG12	1:107:A:ASP:H	20	0.64	0.1	0.65
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG11	20	0.64	0.18	0.62
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG12	20	0.64	0.18	0.62
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG13	20	0.64	0.18	0.62
(2,1119)	1:117:A:VAL:HG11	1:164:A:ILE:HA	20	0.64	0.18	0.62
(2,1119)	1:117:A:VAL:HG12	1:164:A:ILE:HA	20	0.64	0.18	0.62
(2,1119)	1:117:A:VAL:HG13	1:164:A:ILE:HA	20	0.64	0.18	0.62
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG21	20	0.62	0.21	0.66
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG22	20	0.62	0.21	0.66
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG23	20	0.62	0.21	0.66
(2,2944)	1:110:A:GLU:HB2	1:111:A:PRO:HD2	20	0.61	0.28	0.48
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG11	20	0.61	0.25	0.55
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG12	20	0.61	0.25	0.55
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG13	20	0.61	0.25	0.55
(2,2566)	1:168:A:LEU:H	1:164:A:ILE:HG12	20	0.61	0.24	0.56
(2,1222)	1:30:A:VAL:HG11	1:31:A:ALA:HA	20	0.6	0.13	0.6
(2,1222)	1:30:A:VAL:HG12	1:31:A:ALA:HA	20	0.6	0.13	0.6
(2,1222)	1:30:A:VAL:HG13	1:31:A:ALA:HA	20	0.6	0.13	0.6
(2,3464)	1:170:A:LEU:HB3	1:165:A:SER:HA	20	0.6	0.24	0.55
(2,4107)	1:136:A:ASP:HB2	1:137:A:ASP:H	20	0.6	0.04	0.6
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG11	20	0.58	0.15	0.56
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG12	20	0.58	0.15	0.56
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG13	20	0.58	0.15	0.56
(2,3388)	1:112:A:ARG:HB3	1:78:A:PHE:HA	20	0.57	0.31	0.47
(2,4073)	1:111:A:PRO:HD3	1:112:A:ARG:H	20	0.57	0.04	0.57
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG11	20	0.55	0.2	0.55
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG12	20	0.55	0.2	0.55
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG13	20	0.55	0.2	0.55
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG11	20	0.55	0.2	0.55
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG12	20	0.55	0.2	0.55
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG13	20	0.55	0.2	0.55
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG11	20	0.55	0.2	0.55
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG12	20	0.55	0.2	0.55
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG13	20	0.55	0.2	0.55
(2,3732)	1:165:A:SER:HB3	1:166:A:GLU:H	20	0.54	0.08	0.55
(2,1526)	1:33:A:VAL:HB	1:20:A:LYS:HG3	20	0.53	0.24	0.56
(2,4007)	1:20:A:LYS:HD2	1:20:A:LYS:H	20	0.52	0.43	0.18
(2,388)	1:172:A:GLU:H	1:171:A:ASP:HB2	20	0.5	0.03	0.51
(2,3876)	1:171:A:ASP:HB2	1:172:A:GLU:H	20	0.5	0.03	0.51

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG21	20	0.5	0.12	0.51
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG22	20	0.5	0.12	0.51
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG23	20	0.5	0.12	0.51
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG21	20	0.5	0.11	0.5
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG22	20	0.5	0.11	0.5
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG23	20	0.5	0.11	0.5
(2,3684)	1:158:A:GLU:HA	1:162:A:LYS:H	20	0.49	0.13	0.48
(2,3902)	1:158:A:GLU:HB3	1:159:A:LYS:H	20	0.47	0.11	0.48
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG21	20	0.47	0.01	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG22	20	0.47	0.01	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG23	20	0.47	0.01	0.47
(2,1972)	1:159:A:LYS:H	1:158:A:GLU:HG2	20	0.45	0.14	0.52
(2,5284)	1:167:A:GLU:HB3	1:166:A:GLU:H	20	0.45	0.06	0.44
(2,3678)	1:52:A:LEU:HD11	1:52:A:LEU:H	20	0.44	0.02	0.45
(2,3678)	1:52:A:LEU:HD12	1:52:A:LEU:H	20	0.44	0.02	0.45
(2,3678)	1:52:A:LEU:HD13	1:52:A:LEU:H	20	0.44	0.02	0.45
(2,2664)	1:93:A:ASP:HB3	1:92:A:GLU:HA	20	0.44	0.1	0.45
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG21	20	0.43	0.01	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG22	20	0.43	0.01	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG23	20	0.43	0.01	0.43
(2,3806)	1:67:A:ASP:HB2	1:63:A:GLN:H	20	0.43	0.19	0.31
(2,4255)	1:79:A:ASN:HD22	1:79:A:ASN:H	20	0.43	0.31	0.37
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG21	20	0.42	0.06	0.43
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG22	20	0.42	0.06	0.43
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG23	20	0.42	0.06	0.43
(2,4366)	1:6:A:ILE:HG12	1:6:A:ILE:H	20	0.42	0.07	0.42
(2,4113)	1:167:A:GLU:HA	1:169:A:HIS:H	20	0.39	0.14	0.4
(2,3860)	1:139:A:PHE:HB2	1:140:A:VAL:H	20	0.39	0.08	0.41
(2,3613)	1:105:A:ILE:HG12	1:106:A:ARG:H	20	0.37	0.06	0.38
(2,3759)	1:47:A:TYR:HB2	1:48:A:ASP:H	20	0.37	0.1	0.36
(2,1130)	1:170:A:LEU:HD11	1:170:A:LEU:HA	20	0.37	0.04	0.38
(2,1130)	1:170:A:LEU:HD12	1:170:A:LEU:HA	20	0.37	0.04	0.38
(2,1130)	1:170:A:LEU:HD13	1:170:A:LEU:HA	20	0.37	0.04	0.38
(2,770)	1:111:A:PRO:HD3	1:111:A:PRO:HB2	20	0.36	0.03	0.36
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD11	20	0.34	0.05	0.32
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD12	20	0.34	0.05	0.32
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD13	20	0.34	0.05	0.32
(2,2365)	1:76:A:ILE:HA	1:75:A:GLU:HA	20	0.27	0.04	0.26
(2,3679)	1:52:A:LEU:HB3	1:52:A:LEU:H	20	0.25	0.02	0.25
(2,3472)	1:167:A:GLU:HB2	1:167:A:GLU:HA	20	0.25	0.01	0.25
(2,2442)	1:74:A:GLU:HG3	1:74:A:GLU:HA	20	0.25	0.01	0.25
(2,1172)	1:23:A:GLN:HB3	1:23:A:GLN:HA	20	0.24	0.01	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1171)	1:20:A:LYS:HB2	1:20:A:LYS:HA	20	0.24	0.0	0.24
(2,5243)	1:161:A:VAL:HB	1:160:A:TRP:H	20	0.24	0.02	0.24
(2,1153)	1:30:A:VAL:HB	1:30:A:VAL:HA	20	0.24	0.01	0.24
(2,1456)	1:107:A:ASP:HB3	1:107:A:ASP:HA	20	0.24	0.0	0.24
(2,5384)	1:171:A:ASP:HA	1:173:A:ILE:H	20	0.23	0.07	0.21
(2,5257)	1:162:A:LYS:HG2	1:162:A:LYS:H	20	0.23	0.03	0.24
(2,4455)	1:22:A:ILE:HG12	1:22:A:ILE:H	20	0.22	0.06	0.24
(2,3788)	1:164:A:ILE:HA	1:167:A:GLU:H	20	0.21	0.08	0.21
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD11	20	0.2	0.07	0.2
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD12	20	0.2	0.07	0.2
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD13	20	0.2	0.07	0.2
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG11	20	0.2	0.07	0.2
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG12	20	0.2	0.07	0.2
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG13	20	0.2	0.07	0.2
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB1	20	0.15	0.03	0.15
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB2	20	0.15	0.03	0.15
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB3	20	0.15	0.03	0.15
(2,4133)	1:109:A:ILE:HB	1:109:A:ILE:H	20	0.14	0.02	0.14
(2,199)	1:174:A:LEU:H	1:173:A:ILE:HA	20	0.12	0.01	0.12
(2,3770)	1:173:A:ILE:HA	1:174:A:LEU:H	20	0.12	0.01	0.12
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE1	19	3.59	1.26	3.57
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE2	19	3.59	1.26	3.57
(2,798)	1:112:A:ARG:HD2	1:111:A:PRO:HG2	19	2.27	0.8	2.55
(2,3896)	1:26:A:LEU:HD11	1:24:A:LYS:H	19	1.96	0.85	1.78
(2,3896)	1:26:A:LEU:HD12	1:24:A:LYS:H	19	1.96	0.85	1.78
(2,3896)	1:26:A:LEU:HD13	1:24:A:LYS:H	19	1.96	0.85	1.78
(2,4508)	1:28:A:LYS:HD2	1:30:A:VAL:H	19	1.84	0.55	1.99
(2,3635)	1:73:A:LEU:HG	1:73:A:LEU:H	19	1.73	0.01	1.73
(2,4820)	1:51:A:LEU:HD21	1:84:A:ALA:H	19	1.72	0.39	1.79
(2,4820)	1:51:A:LEU:HD22	1:84:A:ALA:H	19	1.72	0.39	1.79
(2,4820)	1:51:A:LEU:HD23	1:84:A:ALA:H	19	1.72	0.39	1.79
(2,4557)	1:38:A:LYS:HD2	1:37:A:ALA:H	19	1.68	0.61	1.74
(2,5148)	1:156:A:ARG:HG2	1:145:A:ASP:H	19	1.65	0.57	1.65
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD21	19	1.64	0.42	1.69
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD22	19	1.64	0.42	1.69
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD23	19	1.64	0.42	1.69
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD21	19	1.64	0.42	1.69
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD22	19	1.64	0.42	1.69
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD23	19	1.64	0.42	1.69
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD21	19	1.64	0.42	1.69
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD22	19	1.64	0.42	1.69
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD23	19	1.64	0.42	1.69

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1509)	1:130:A:SER:H	1:128:A:GLU:HB3	19	1.5	0.33	1.6
(2,1967)	1:45:A:GLU:HG2	1:42:A:GLU:HA	19	1.44	0.34	1.55
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD21	19	1.41	0.21	1.46
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD22	19	1.41	0.21	1.46
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD23	19	1.41	0.21	1.46
(2,5338)	1:175:A:ASN:HD22	1:175:A:ASN:H	19	1.39	0.05	1.4
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD21	19	1.28	0.19	1.36
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD22	19	1.28	0.19	1.36
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD23	19	1.28	0.19	1.36
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD21	19	1.27	0.46	1.31
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD22	19	1.27	0.46	1.31
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD23	19	1.27	0.46	1.31
(2,1659)	1:34:A:HIS:HB2	1:38:A:LYS:HE3	19	1.18	0.82	0.97
(2,3431)	1:162:A:LYS:HA	1:163:A:GLN:HG3	19	1.17	0.62	1.59
(2,2891)	1:112:A:ARG:HD2	1:109:A:ILE:HA	19	1.08	0.32	1.08
(2,3109)	1:125:A:TYR:HE1	1:128:A:GLU:HG2	19	1.08	0.47	1.12
(2,3109)	1:125:A:TYR:HE2	1:128:A:GLU:HG2	19	1.08	0.47	1.12
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD11	19	1.0	0.5	0.94
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD12	19	1.0	0.5	0.94
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD13	19	1.0	0.5	0.94
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD11	19	0.92	0.58	0.72
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD12	19	0.92	0.58	0.72
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD13	19	0.92	0.58	0.72
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG11	19	0.92	0.49	0.79
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG12	19	0.92	0.49	0.79
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG13	19	0.92	0.49	0.79
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB1	19	0.87	0.32	0.89
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB2	19	0.87	0.32	0.89
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB3	19	0.87	0.32	0.89
(2,4000)	1:75:A:GLU:HG2	1:75:A:GLU:H	19	0.86	0.35	1.02
(2,5267)	1:165:A:SER:HB3	1:164:A:ILE:H	19	0.85	0.04	0.86
(2,783)	1:76:A:ILE:HA	1:41:A:LYS:HD2	19	0.84	0.3	0.84
(2,5343)	1:171:A:ASP:HA	1:175:A:ASN:HD22	19	0.82	0.57	0.49
(2,3354)	1:162:A:LYS:H	1:163:A:GLN:HB3	19	0.79	0.18	0.78
(2,5025)	1:137:A:ASP:HB3	1:123:A:ALA:H	19	0.78	0.27	0.75
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD11	19	0.72	0.11	0.7
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD12	19	0.72	0.11	0.7
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD13	19	0.72	0.11	0.7
(2,4596)	1:170:A:LEU:HD11	1:173:A:ILE:H	19	0.72	0.11	0.7
(2,4596)	1:170:A:LEU:HD12	1:173:A:ILE:H	19	0.72	0.11	0.7
(2,4596)	1:170:A:LEU:HD13	1:173:A:ILE:H	19	0.72	0.11	0.7
(2,5385)	1:170:A:LEU:HD11	1:173:A:ILE:H	19	0.72	0.11	0.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,5385)	1:170:A:LEU:HD12	1:173:A:ILE:H	19	0.72	0.11	0.7
(2,5385)	1:170:A:LEU:HD13	1:173:A:ILE:H	19	0.72	0.11	0.7
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD11	19	0.72	0.08	0.73
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD12	19	0.72	0.08	0.73
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD13	19	0.72	0.08	0.73
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD1	19	0.65	0.22	0.64
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD2	19	0.65	0.22	0.64
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD21	19	0.62	0.25	0.6
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD22	19	0.62	0.25	0.6
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD23	19	0.62	0.25	0.6
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD11	19	0.61	0.14	0.64
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD12	19	0.61	0.14	0.64
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD13	19	0.61	0.14	0.64
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD11	19	0.61	0.14	0.64
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD12	19	0.61	0.14	0.64
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD13	19	0.61	0.14	0.64
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD11	19	0.61	0.48	0.45
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD12	19	0.61	0.48	0.45
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD13	19	0.61	0.48	0.45
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD11	19	0.61	0.48	0.45
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD12	19	0.61	0.48	0.45
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD13	19	0.61	0.48	0.45
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD11	19	0.57	0.21	0.53
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD12	19	0.57	0.21	0.53
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD13	19	0.57	0.21	0.53
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD11	19	0.57	0.21	0.53
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD12	19	0.57	0.21	0.53
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD13	19	0.57	0.21	0.53
(2,4491)	1:161:A:VAL:HG21	1:26:A:LEU:H	19	0.57	0.22	0.63
(2,4491)	1:161:A:VAL:HG22	1:26:A:LEU:H	19	0.57	0.22	0.63
(2,4491)	1:161:A:VAL:HG23	1:26:A:LEU:H	19	0.57	0.22	0.63
(2,1719)	1:29:A:ASP:H	1:28:A:LYS:HB2	19	0.51	0.06	0.54
(2,4015)	1:28:A:LYS:HB2	1:29:A:ASP:H	19	0.51	0.06	0.54
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG21	19	0.48	0.23	0.48
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG22	19	0.48	0.23	0.48
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG23	19	0.48	0.23	0.48
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD22	19	0.47	0.15	0.43
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD21	19	0.47	0.15	0.43
(2,3997)	1:30:A:VAL:HG11	1:3:A:ILE:H	19	0.46	0.21	0.45
(2,3997)	1:30:A:VAL:HG12	1:3:A:ILE:H	19	0.46	0.21	0.45
(2,3997)	1:30:A:VAL:HG13	1:3:A:ILE:H	19	0.46	0.21	0.45
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD11	19	0.43	0.14	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD12	19	0.43	0.14	0.4
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD13	19	0.43	0.14	0.4
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD11	19	0.43	0.14	0.4
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD12	19	0.43	0.14	0.4
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD13	19	0.43	0.14	0.4
(3,522)	1:108:A:ILE:HG12	1:105:A:ILE:H	19	0.41	0.18	0.41
(2,3344)	1:158:A:GLU:H	1:159:A:LYS:HD2	19	0.38	0.43	0.23
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG21	19	0.36	0.18	0.3
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG22	19	0.36	0.18	0.3
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG23	19	0.36	0.18	0.3
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG21	19	0.36	0.18	0.3
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG22	19	0.36	0.18	0.3
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG23	19	0.36	0.18	0.3
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG21	19	0.36	0.18	0.3
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG22	19	0.36	0.18	0.3
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG23	19	0.36	0.18	0.3
(2,3763)	1:32:A:ASP:HB2	1:32:A:ASP:H	19	0.34	0.08	0.34
(2,3988)	1:170:A:LEU:HD11	1:170:A:LEU:H	19	0.33	0.07	0.33
(2,3988)	1:170:A:LEU:HD12	1:170:A:LEU:H	19	0.33	0.07	0.33
(2,3988)	1:170:A:LEU:HD13	1:170:A:LEU:H	19	0.33	0.07	0.33
(2,753)	1:128:A:GLU:HA	1:128:A:GLU:HG2	19	0.32	0.16	0.29
(2,741)	1:74:A:GLU:HA	1:74:A:GLU:HG2	19	0.32	0.01	0.32
(2,780)	1:173:A:ILE:HA	1:172:A:GLU:HB2	19	0.3	0.11	0.31
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD21	19	0.3	0.06	0.33
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD22	19	0.3	0.06	0.33
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD23	19	0.3	0.06	0.33
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG21	19	0.3	0.08	0.28
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG22	19	0.3	0.08	0.28
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG23	19	0.3	0.08	0.28
(2,3801)	1:27:A:GLY:HA3	1:30:A:VAL:H	19	0.24	0.08	0.22
(2,2332)	1:156:A:ARG:HD2	1:156:A:ARG:HA	19	0.21	0.08	0.19
(2,335)	1:27:A:GLY:H	1:24:A:LYS:HA	19	0.17	0.03	0.18
(2,3986)	1:170:A:LEU:HA	1:170:A:LEU:H	19	0.15	0.02	0.15
(2,3733)	1:166:A:GLU:HA	1:166:A:GLU:H	19	0.14	0.02	0.14
(2,3263)	1:146:A:GLU:H	1:144:A:ILE:HG12	18	2.31	0.69	2.46
(2,1229)	1:16:A:GLU:HG3	1:20:A:LYS:HE3	18	2.01	1.37	1.35
(2,1925)	1:38:A:LYS:HE2	1:39:A:SER:HB3	18	1.92	0.6	2.09
(2,4981)	1:111:A:PRO:HG2	1:112:A:ARG:HE	18	1.85	0.88	2.02
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD11	18	1.79	0.55	1.94
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD12	18	1.79	0.55	1.94
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD13	18	1.79	0.55	1.94
(2,3514)	1:106:A:ARG:HG3	1:107:A:ASP:HB2	18	1.65	0.52	1.89

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3516)	1:175:A:ASN:HB2	1:172:A:GLU:HA	18	1.6	0.32	1.74
(2,3934)	1:91:A:GLN:HG2	1:92:A:GLU:H	18	1.54	0.58	1.59
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD11	18	1.4	0.46	1.46
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD12	18	1.4	0.46	1.46
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD13	18	1.4	0.46	1.46
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD11	18	1.4	0.46	1.46
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD12	18	1.4	0.46	1.46
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD13	18	1.4	0.46	1.46
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD11	18	1.4	0.46	1.46
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD12	18	1.4	0.46	1.46
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD13	18	1.4	0.46	1.46
(2,2175)	1:168:A:LEU:HD11	1:82:A:LEU:HB3	18	1.34	0.42	1.52
(2,2175)	1:168:A:LEU:HD12	1:82:A:LEU:HB3	18	1.34	0.42	1.52
(2,2175)	1:168:A:LEU:HD13	1:82:A:LEU:HB3	18	1.34	0.42	1.52
(2,3289)	1:90:A:ASP:HB3	1:149:A:GLN:HA	18	1.22	0.46	1.17
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD11	18	1.19	0.11	1.18
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD12	18	1.19	0.11	1.18
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD13	18	1.19	0.11	1.18
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD11	18	1.19	0.11	1.18
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD12	18	1.19	0.11	1.18
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD13	18	1.19	0.11	1.18
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD11	18	1.19	0.11	1.18
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD12	18	1.19	0.11	1.18
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD13	18	1.19	0.11	1.18
(2,5286)	1:168:A:LEU:HD21	1:166:A:GLU:H	18	1.17	0.32	1.25
(2,5286)	1:168:A:LEU:HD22	1:166:A:GLU:H	18	1.17	0.32	1.25
(2,5286)	1:168:A:LEU:HD23	1:166:A:GLU:H	18	1.17	0.32	1.25
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG11	18	1.12	0.81	0.76
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG12	18	1.12	0.81	0.76
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG13	18	1.12	0.81	0.76
(2,2479)	1:30:A:VAL:HG11	1:173:A:ILE:HB	18	1.12	0.81	0.76
(2,2479)	1:30:A:VAL:HG12	1:173:A:ILE:HB	18	1.12	0.81	0.76
(2,2479)	1:30:A:VAL:HG13	1:173:A:ILE:HB	18	1.12	0.81	0.76
(2,3299)	1:88:A:CYS:HB2	1:18:A:ILE:HG12	18	1.11	0.42	1.08
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG21	18	1.11	0.4	1.0
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG22	18	1.11	0.4	1.0
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG23	18	1.11	0.4	1.0
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG21	18	1.11	0.4	1.0
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG22	18	1.11	0.4	1.0
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG23	18	1.11	0.4	1.0
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG21	18	1.11	0.4	1.0
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG22	18	1.11	0.4	1.0

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG23	18	1.11	0.4	1.0
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB2	18	1.06	0.49	1.01
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB3	18	1.06	0.49	1.01
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD1	18	1.03	0.37	1.02
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD2	18	1.03	0.37	1.02
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD1	18	1.03	0.37	1.02
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD2	18	1.03	0.37	1.02
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD3	18	1.02	0.45	0.92
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD2	18	1.02	0.45	0.92
(2,1429)	1:55:A:PRO:HB2	1:15:A:THR:HB	18	1.02	0.47	1.2
(2,3783)	1:92:A:GLU:HG3	1:93:A:ASP:H	18	1.01	0.46	1.18
(2,525)	1:86:A:PHE:HD1	1:142:A:LEU:HG	18	0.96	0.19	1.0
(2,525)	1:86:A:PHE:HD2	1:142:A:LEU:HG	18	0.96	0.19	1.0
(2,3259)	1:41:A:LYS:HG3	1:42:A:GLU:HG3	18	0.95	0.48	0.83
(2,5328)	1:173:A:ILE:HG12	1:172:A:GLU:H	18	0.92	0.16	0.9
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD21	18	0.8	0.09	0.79
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD22	18	0.8	0.09	0.79
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD23	18	0.8	0.09	0.79
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD11	18	0.71	0.55	0.38
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD12	18	0.71	0.55	0.38
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD13	18	0.71	0.55	0.38
(2,4784)	1:113:A:GLY:HA2	1:78:A:PHE:H	18	0.69	0.31	0.62
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG21	18	0.68	0.32	0.84
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG22	18	0.68	0.32	0.84
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG23	18	0.68	0.32	0.84
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG21	18	0.68	0.26	0.76
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG22	18	0.68	0.26	0.76
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG23	18	0.68	0.26	0.76
(2,3394)	1:159:A:LYS:HE2	1:159:A:LYS:HA	18	0.65	0.34	0.52
(2,3650)	1:85:A:LEU:HD11	1:85:A:LEU:H	18	0.63	0.14	0.64
(2,3650)	1:85:A:LEU:HD12	1:85:A:LEU:H	18	0.63	0.14	0.64
(2,3650)	1:85:A:LEU:HD13	1:85:A:LEU:H	18	0.63	0.14	0.64
(2,3176)	1:140:A:VAL:HG11	1:134:A:ALA:HA	18	0.58	0.17	0.6
(2,3176)	1:140:A:VAL:HG12	1:134:A:ALA:HA	18	0.58	0.17	0.6
(2,3176)	1:140:A:VAL:HG13	1:134:A:ALA:HA	18	0.58	0.17	0.6
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD21	18	0.58	0.29	0.52
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD22	18	0.58	0.29	0.52
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD23	18	0.58	0.29	0.52
(2,2298)	1:41:A:LYS:HE3	1:75:A:GLU:HG3	18	0.54	0.41	0.32
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB1	18	0.52	0.16	0.58
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB2	18	0.52	0.16	0.58
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB3	18	0.52	0.16	0.58

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,685)	1:20:A:LYS:HG2	1:23:A:GLN:HE21	18	0.52	0.3	0.42
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	18	0.5	0.08	0.49
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	18	0.5	0.08	0.49
(2,3794)	1:152:A:LEU:HB3	1:156:A:ARG:H	18	0.49	0.43	0.3
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG21	18	0.48	0.1	0.48
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG22	18	0.48	0.1	0.48
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG23	18	0.48	0.1	0.48
(2,1465)	1:18:A:ILE:HD11	1:17:A:ASN:HB2	18	0.46	0.25	0.36
(2,1465)	1:18:A:ILE:HD12	1:17:A:ASN:HB2	18	0.46	0.25	0.36
(2,1465)	1:18:A:ILE:HD13	1:17:A:ASN:HB2	18	0.46	0.25	0.36
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD11	18	0.46	0.25	0.36
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD12	18	0.46	0.25	0.36
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD13	18	0.46	0.25	0.36
(2,5326)	1:170:A:LEU:HD11	1:171:A:ASP:H	18	0.46	0.09	0.49
(2,5326)	1:170:A:LEU:HD12	1:171:A:ASP:H	18	0.46	0.09	0.49
(2,5326)	1:170:A:LEU:HD13	1:171:A:ASP:H	18	0.46	0.09	0.49
(2,4180)	1:102:A:LEU:HD11	1:87:A:GLY:H	18	0.4	0.14	0.4
(2,4180)	1:102:A:LEU:HD12	1:87:A:GLY:H	18	0.4	0.14	0.4
(2,4180)	1:102:A:LEU:HD13	1:87:A:GLY:H	18	0.4	0.14	0.4
(2,3858)	1:173:A:ILE:HD11	1:173:A:ILE:H	18	0.39	0.05	0.4
(2,3858)	1:173:A:ILE:HD12	1:173:A:ILE:H	18	0.39	0.05	0.4
(2,3858)	1:173:A:ILE:HD13	1:173:A:ILE:H	18	0.39	0.05	0.4
(2,3921)	1:45:A:GLU:HB2	1:44:A:LEU:H	18	0.39	0.38	0.3
(3,658)	1:170:A:LEU:HB3	1:166:A:GLU:H	18	0.37	0.14	0.36
(2,4742)	1:73:A:LEU:HD11	1:70:A:PHE:H	18	0.36	0.13	0.4
(2,4742)	1:73:A:LEU:HD12	1:70:A:PHE:H	18	0.36	0.13	0.4
(2,4742)	1:73:A:LEU:HD13	1:70:A:PHE:H	18	0.36	0.13	0.4
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG11	18	0.35	0.1	0.36
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG12	18	0.35	0.1	0.36
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG13	18	0.35	0.1	0.36
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG11	18	0.35	0.1	0.36
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG12	18	0.35	0.1	0.36
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG13	18	0.35	0.1	0.36
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG11	18	0.35	0.1	0.36
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG12	18	0.35	0.1	0.36
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG13	18	0.35	0.1	0.36
(2,1649)	1:24:A:LYS:H	1:24:A:LYS:HD2	18	0.34	0.07	0.34
(2,1968)	1:42:A:GLU:HG3	1:42:A:GLU:HA	18	0.32	0.15	0.28
(2,2921)	1:110:A:GLU:HG2	1:110:A:GLU:HA	18	0.31	0.15	0.26
(2,3916)	1:105:A:ILE:HG12	1:105:A:ILE:H	18	0.29	0.09	0.3
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD11	18	0.29	0.07	0.28
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD12	18	0.29	0.07	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD13	18	0.29	0.07	0.28
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD11	18	0.29	0.07	0.28
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD12	18	0.29	0.07	0.28
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD13	18	0.29	0.07	0.28
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD11	18	0.29	0.07	0.28
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD12	18	0.29	0.07	0.28
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD13	18	0.29	0.07	0.28
(2,3059)	1:120:A:TRP:H	1:121:A:PRO:HD3	18	0.29	0.12	0.31
(2,2510)	1:113:A:GLY:HA2	1:79:A:ASN:HA	18	0.28	0.11	0.26
(2,3697)	1:30:A:VAL:HG11	1:31:A:ALA:H	18	0.27	0.07	0.26
(2,3697)	1:30:A:VAL:HG12	1:31:A:ALA:H	18	0.27	0.07	0.26
(2,3697)	1:30:A:VAL:HG13	1:31:A:ALA:H	18	0.27	0.07	0.26
(2,1975)	1:159:A:LYS:H	1:158:A:GLU:HG3	18	0.25	0.11	0.2
(2,3903)	1:158:A:GLU:HG3	1:159:A:LYS:H	18	0.25	0.11	0.2
(2,3108)	1:128:A:GLU:HG2	1:128:A:GLU:HB3	18	0.25	0.0	0.25
(2,2172)	1:84:A:ALA:HB1	1:51:A:LEU:HB2	18	0.18	0.07	0.16
(2,2172)	1:84:A:ALA:HB2	1:51:A:LEU:HB2	18	0.18	0.07	0.16
(2,2172)	1:84:A:ALA:HB3	1:51:A:LEU:HB2	18	0.18	0.07	0.16
(2,5298)	1:167:A:GLU:HB3	1:168:A:LEU:H	18	0.17	0.04	0.17
(2,3839)	1:165:A:SER:HB3	1:165:A:SER:H	18	0.12	0.01	0.12
(2,4127)	1:162:A:LYS:HG2	1:25:A:GLN:HE21	17	2.24	0.94	2.87
(2,5277)	1:168:A:LEU:HD21	1:165:A:SER:H	17	1.87	0.36	1.95
(2,5277)	1:168:A:LEU:HD22	1:165:A:SER:H	17	1.87	0.36	1.95
(2,5277)	1:168:A:LEU:HD23	1:165:A:SER:H	17	1.87	0.36	1.95
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG11	17	1.16	0.87	0.79
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG12	17	1.16	0.87	0.79
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG13	17	1.16	0.87	0.79
(2,4879)	1:91:A:GLN:HG2	1:95:A:ALA:H	17	1.11	0.43	1.2
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD11	17	1.08	0.74	0.7
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD12	17	1.08	0.74	0.7
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD13	17	1.08	0.74	0.7
(2,1389)	1:16:A:GLU:HG3	1:8:A:PHE:HB2	17	1.07	0.57	0.82
(2,4537)	1:38:A:LYS:HD2	1:35:A:ASP:H	17	0.87	0.29	0.87
(2,5367)	1:87:A:GLY:HA2	1:14:A:ASN:HD22	17	0.84	0.29	0.92
(2,3463)	1:170:A:LEU:HD11	1:165:A:SER:HB2	17	0.8	0.26	0.92
(2,3463)	1:170:A:LEU:HD12	1:165:A:SER:HB2	17	0.8	0.26	0.92
(2,3463)	1:170:A:LEU:HD13	1:165:A:SER:HB2	17	0.8	0.26	0.92
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD11	17	0.71	0.51	0.69
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD12	17	0.71	0.51	0.69
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD13	17	0.71	0.51	0.69
(2,4901)	1:128:A:GLU:HB2	1:98:A:PHE:H	17	0.56	0.27	0.5
(2,5324)	1:166:A:GLU:HB2	1:171:A:ASP:H	17	0.53	0.24	0.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,4593)	1:169:A:HIS:HB3	1:173:A:ILE:H	17	0.51	0.43	0.37
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD11	17	0.4	0.19	0.33
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD12	17	0.4	0.19	0.33
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD13	17	0.4	0.19	0.33
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD11	17	0.4	0.19	0.33
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD12	17	0.4	0.19	0.33
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD13	17	0.4	0.19	0.33
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD11	17	0.4	0.19	0.33
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD12	17	0.4	0.19	0.33
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD13	17	0.4	0.19	0.33
(2,3581)	1:51:A:LEU:HD11	1:84:A:ALA:H	17	0.38	0.53	0.23
(2,3581)	1:51:A:LEU:HD12	1:84:A:ALA:H	17	0.38	0.53	0.23
(2,3581)	1:51:A:LEU:HD13	1:84:A:ALA:H	17	0.38	0.53	0.23
(2,2338)	1:158:A:GLU:HG3	1:158:A:GLU:HA	17	0.36	0.33	0.17
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD11	17	0.32	0.14	0.29
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD12	17	0.32	0.14	0.29
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD13	17	0.32	0.14	0.29
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD11	17	0.32	0.14	0.29
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD12	17	0.32	0.14	0.29
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD13	17	0.32	0.14	0.29
(2,1641)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	17	0.26	0.01	0.26
(2,1728)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	17	0.26	0.01	0.26
(2,731)	1:170:A:LEU:HA	1:173:A:ILE:HB	17	0.25	0.09	0.23
(2,1903)	1:38:A:LYS:HB2	1:38:A:LYS:HG2	17	0.25	0.01	0.25
(2,3142)	1:38:A:LYS:HG2	1:38:A:LYS:HB2	17	0.25	0.01	0.25
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG11	17	0.23	0.1	0.18
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG12	17	0.23	0.1	0.18
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG13	17	0.23	0.1	0.18
(2,1353)	1:6:A:ILE:HD11	1:23:A:GLN:HB3	17	0.23	0.07	0.22
(2,1353)	1:6:A:ILE:HD12	1:23:A:GLN:HB3	17	0.23	0.07	0.22
(2,1353)	1:6:A:ILE:HD13	1:23:A:GLN:HB3	17	0.23	0.07	0.22
(2,4365)	1:32:A:ASP:HB2	1:6:A:ILE:H	17	0.22	0.07	0.23
(2,3607)	1:77:A:ASP:HB2	1:77:A:ASP:H	17	0.2	0.07	0.18
(2,2940)	1:112:A:ARG:HD2	1:111:A:PRO:HB3	16	2.07	1.17	1.94
(2,4484)	1:162:A:LYS:HG2	1:25:A:GLN:HE22	16	1.81	0.46	1.9
(2,2678)	1:96:A:GLU:HG2	1:94:A:TYR:HA	16	1.74	0.22	1.66
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD11	16	1.6	0.38	1.67
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD12	16	1.6	0.38	1.67
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD13	16	1.6	0.38	1.67
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD1	16	1.5	0.99	1.23
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD2	16	1.5	0.99	1.23
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD1	16	1.5	0.99	1.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD2	16	1.5	0.99	1.23
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD21	16	1.38	0.12	1.38
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD22	16	1.38	0.12	1.38
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD23	16	1.38	0.12	1.38
(3,688)	1:92:A:GLU:HB3	1:91:A:GLN:HE21	16	1.35	0.58	1.34
(2,2972)	1:81:A:LYS:HD3	1:114:A:ALA:HA	16	1.21	0.11	1.23
(2,4657)	1:50:A:LEU:HD11	1:51:A:LEU:H	16	1.2	0.62	1.54
(2,4657)	1:50:A:LEU:HD12	1:51:A:LEU:H	16	1.2	0.62	1.54
(2,4657)	1:50:A:LEU:HD13	1:51:A:LEU:H	16	1.2	0.62	1.54
(2,4880)	1:96:A:GLU:HG2	1:95:A:ALA:H	16	1.12	0.6	0.73
(2,2844)	1:116:A:ILE:HG12	1:106:A:ARG:HD2	16	1.1	0.4	1.07
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD11	16	1.08	0.1	1.06
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD12	16	1.08	0.1	1.06
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD13	16	1.08	0.1	1.06
(2,2606)	1:85:A:LEU:HD11	1:85:A:LEU:HA	16	1.07	0.03	1.08
(2,2606)	1:85:A:LEU:HD12	1:85:A:LEU:HA	16	1.07	0.03	1.08
(2,2606)	1:85:A:LEU:HD13	1:85:A:LEU:HA	16	1.07	0.03	1.08
(2,2081)	1:116:A:ILE:HD11	1:116:A:ILE:HA	16	1.07	0.04	1.07
(2,2081)	1:116:A:ILE:HD12	1:116:A:ILE:HA	16	1.07	0.04	1.07
(2,2081)	1:116:A:ILE:HD13	1:116:A:ILE:HA	16	1.07	0.04	1.07
(2,1576)	1:25:A:GLN:HG2	1:22:A:ILE:HA	16	1.02	0.32	1.15
(2,2473)	1:168:A:LEU:HD21	1:165:A:SER:HA	16	0.95	0.14	0.94
(2,2473)	1:168:A:LEU:HD22	1:165:A:SER:HA	16	0.95	0.14	0.94
(2,2473)	1:168:A:LEU:HD23	1:165:A:SER:HA	16	0.95	0.14	0.94
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD21	16	0.95	0.08	0.95
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD22	16	0.95	0.08	0.95
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD23	16	0.95	0.08	0.95
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD11	16	0.95	0.5	0.9
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD12	16	0.95	0.5	0.9
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD13	16	0.95	0.5	0.9
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG3	16	0.9	0.59	0.92
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG2	16	0.9	0.59	0.92
(2,3294)	1:151:A:GLU:HG3	1:150:A:PRO:HA	16	0.88	0.43	0.73
(2,2520)	1:79:A:ASN:HB2	1:113:A:GLY:HA2	16	0.84	0.24	0.88
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD21	16	0.84	0.21	0.78
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD22	16	0.84	0.21	0.78
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD23	16	0.84	0.21	0.78
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD21	16	0.84	0.21	0.78
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD22	16	0.84	0.21	0.78
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD23	16	0.84	0.21	0.78
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD21	16	0.84	0.21	0.78
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD22	16	0.84	0.21	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD23	16	0.84	0.21	0.78
(2,2173)	1:49:A:ILE:HG12	1:82:A:LEU:HB3	16	0.84	0.53	0.66
(2,1545)	1:168:A:LEU:HD11	1:167:A:GLU:HA	16	0.82	0.06	0.82
(2,1545)	1:168:A:LEU:HD12	1:167:A:GLU:HA	16	0.82	0.06	0.82
(2,1545)	1:168:A:LEU:HD13	1:167:A:GLU:HA	16	0.82	0.06	0.82
(2,1624)	1:24:A:LYS:H	1:25:A:GLN:HG2	16	0.78	0.07	0.78
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB3	16	0.77	0.1	0.75
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB3	16	0.77	0.1	0.75
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB3	16	0.77	0.1	0.75
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB2	16	0.77	0.1	0.75
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB2	16	0.77	0.1	0.75
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB2	16	0.77	0.1	0.75
(2,1165)	1:24:A:LYS:HG2	1:21:A:MET:HA	16	0.77	0.43	0.77
(2,450)	1:25:A:GLN:HE21	1:161:A:VAL:HB	16	0.74	0.29	0.78
(2,2985)	1:163:A:GLN:HG2	1:160:A:TRP:HA	16	0.66	0.46	0.48
(2,1958)	1:17:A:ASN:HA	1:20:A:LYS:HE3	16	0.6	0.3	0.48
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD21	16	0.56	0.43	0.45
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD22	16	0.56	0.43	0.45
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD23	16	0.56	0.43	0.45
(2,1315)	1:51:A:LEU:HD21	1:4:A:THR:HB	16	0.56	0.43	0.45
(2,1315)	1:51:A:LEU:HD22	1:4:A:THR:HB	16	0.56	0.43	0.45
(2,1315)	1:51:A:LEU:HD23	1:4:A:THR:HB	16	0.56	0.43	0.45
(2,2983)	1:116:A:ILE:HD11	1:115:A:THR:HA	16	0.55	0.16	0.54
(2,2983)	1:116:A:ILE:HD12	1:115:A:THR:HA	16	0.55	0.16	0.54
(2,2983)	1:116:A:ILE:HD13	1:115:A:THR:HA	16	0.55	0.16	0.54
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD11	16	0.51	0.27	0.4
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD12	16	0.51	0.27	0.4
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD13	16	0.51	0.27	0.4
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD11	16	0.51	0.27	0.4
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD12	16	0.51	0.27	0.4
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD13	16	0.51	0.27	0.4
(2,4098)	1:45:A:GLU:HG2	1:45:A:GLU:H	16	0.51	0.11	0.5
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG21	16	0.49	0.24	0.4
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG22	16	0.49	0.24	0.4
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG23	16	0.49	0.24	0.4
(2,2965)	1:111:A:PRO:HG2	1:112:A:ARG:HD3	16	0.48	0.27	0.34
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG21	16	0.47	0.19	0.46
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG22	16	0.47	0.19	0.46
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG23	16	0.47	0.19	0.46
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD11	16	0.44	0.01	0.44
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD12	16	0.44	0.01	0.44
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD13	16	0.44	0.01	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD11	16	0.44	0.13	0.4
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD12	16	0.44	0.13	0.4
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD13	16	0.44	0.13	0.4
(2,4060)	1:133:A:LEU:HD11	1:135:A:ASP:H	16	0.44	0.13	0.4
(2,4060)	1:133:A:LEU:HD12	1:135:A:ASP:H	16	0.44	0.13	0.4
(2,4060)	1:133:A:LEU:HD13	1:135:A:ASP:H	16	0.44	0.13	0.4
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD21	16	0.43	0.01	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD22	16	0.43	0.01	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD23	16	0.43	0.01	0.42
(2,1511)	1:24:A:LYS:HE2	1:24:A:LYS:HB2	16	0.43	0.25	0.36
(2,791)	1:38:A:LYS:HA	1:38:A:LYS:HD3	16	0.4	0.18	0.38
(2,4481)	1:25:A:GLN:HA	1:25:A:GLN:HE22	16	0.4	0.11	0.44
(2,2431)	1:52:A:LEU:HD11	1:73:A:LEU:HB2	16	0.37	0.19	0.38
(2,2431)	1:52:A:LEU:HD12	1:73:A:LEU:HB2	16	0.37	0.19	0.38
(2,2431)	1:52:A:LEU:HD13	1:73:A:LEU:HB2	16	0.37	0.19	0.38
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD11	16	0.37	0.03	0.38
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD12	16	0.37	0.03	0.38
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD13	16	0.37	0.03	0.38
(2,2953)	1:111:A:PRO:HD2	1:112:A:ARG:HA	16	0.31	0.07	0.32
(2,4079)	1:85:A:LEU:HD11	1:86:A:PHE:H	16	0.28	0.1	0.26
(2,4079)	1:85:A:LEU:HD12	1:86:A:PHE:H	16	0.28	0.1	0.26
(2,4079)	1:85:A:LEU:HD13	1:86:A:PHE:H	16	0.28	0.1	0.26
(2,4059)	1:133:A:LEU:HB2	1:135:A:ASP:H	16	0.26	0.08	0.23
(2,472)	1:173:A:ILE:H	1:173:A:ILE:HG12	16	0.22	0.09	0.2
(2,2454)	1:174:A:LEU:H	1:172:A:GLU:HB2	16	0.19	0.08	0.15
(2,5334)	1:172:A:GLU:HB2	1:174:A:LEU:H	16	0.19	0.08	0.15
(2,4966)	1:116:A:ILE:HD11	1:109:A:ILE:H	16	0.17	0.03	0.18
(2,4966)	1:116:A:ILE:HD12	1:109:A:ILE:H	16	0.17	0.03	0.18
(2,4966)	1:116:A:ILE:HD13	1:109:A:ILE:H	16	0.17	0.03	0.18
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD11	16	0.16	0.03	0.16
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD12	16	0.16	0.03	0.16
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD13	16	0.16	0.03	0.16
(2,3726)	1:70:A:PHE:HB3	1:70:A:PHE:H	16	0.12	0.01	0.12
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG11	15	2.09	1.02	2.26
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG12	15	2.09	1.02	2.26
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG13	15	2.09	1.02	2.26
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD11	15	1.85	0.13	1.92
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD12	15	1.85	0.13	1.92
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD13	15	1.85	0.13	1.92
(2,4857)	1:149:A:GLN:HG3	1:91:A:GLN:H	15	1.65	0.64	1.56
(2,2529)	1:25:A:GLN:HE21	1:162:A:LYS:HG2	15	1.52	0.61	1.87
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG2	15	1.24	0.45	1.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG3	15	1.24	0.45	1.36
(2,5112)	1:133:A:LEU:HD11	1:140:A:VAL:H	15	1.19	0.09	1.19
(2,5112)	1:133:A:LEU:HD12	1:140:A:VAL:H	15	1.19	0.09	1.19
(2,5112)	1:133:A:LEU:HD13	1:140:A:VAL:H	15	1.19	0.09	1.19
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD11	15	1.06	0.29	1.17
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD12	15	1.06	0.29	1.17
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD13	15	1.06	0.29	1.17
(2,1466)	1:16:A:GLU:HG3	1:17:A:ASN:HB2	15	1.05	0.12	1.07
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE1	15	0.94	0.44	1.15
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE2	15	0.94	0.44	1.15
(3,533)	1:103:A:GLY:HA3	1:106:A:ARG:HE	15	0.91	0.33	0.9
(2,1396)	1:133:A:LEU:HD11	1:139:A:PHE:HA	15	0.85	0.13	0.92
(2,1396)	1:133:A:LEU:HD12	1:139:A:PHE:HA	15	0.85	0.13	0.92
(2,1396)	1:133:A:LEU:HD13	1:139:A:PHE:HA	15	0.85	0.13	0.92
(2,3391)	1:159:A:LYS:HE2	1:158:A:GLU:HB2	15	0.79	0.3	0.8
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG21	15	0.78	0.28	0.85
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG22	15	0.78	0.28	0.85
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG23	15	0.78	0.28	0.85
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG21	15	0.78	0.28	0.85
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG22	15	0.78	0.28	0.85
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG23	15	0.78	0.28	0.85
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG21	15	0.78	0.28	0.85
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG22	15	0.78	0.28	0.85
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG23	15	0.78	0.28	0.85
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD11	15	0.78	0.28	0.85
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD12	15	0.78	0.28	0.85
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD13	15	0.78	0.28	0.85
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD11	15	0.78	0.28	0.85
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD12	15	0.78	0.28	0.85
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD13	15	0.78	0.28	0.85
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD11	15	0.78	0.28	0.85
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD12	15	0.78	0.28	0.85
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD13	15	0.78	0.28	0.85
(2,1279)	1:168:A:LEU:HD11	1:170:A:LEU:HG	15	0.75	0.59	0.47
(2,1279)	1:168:A:LEU:HD12	1:170:A:LEU:HG	15	0.75	0.59	0.47
(2,1279)	1:168:A:LEU:HD13	1:170:A:LEU:HG	15	0.75	0.59	0.47
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD11	15	0.75	0.59	0.47
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD12	15	0.75	0.59	0.47
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD13	15	0.75	0.59	0.47
(3,648)	1:120:A:TRP:HH2	1:163:A:GLN:H	15	0.71	0.29	0.64
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD11	15	0.67	0.28	0.64
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD12	15	0.67	0.28	0.64

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD13	15	0.67	0.28	0.64
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB3	15	0.66	0.52	0.49
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB2	15	0.66	0.52	0.49
(2,4483)	1:162:A:LYS:HD2	1:25:A:GLN:HE22	15	0.63	0.17	0.57
(2,1226)	1:38:A:LYS:HG2	1:38:A:LYS:HE3	15	0.61	0.36	0.94
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD21	15	0.54	0.25	0.5
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD22	15	0.54	0.25	0.5
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD23	15	0.54	0.25	0.5
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD21	15	0.54	0.25	0.5
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD22	15	0.54	0.25	0.5
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD23	15	0.54	0.25	0.5
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD21	15	0.54	0.25	0.5
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD22	15	0.54	0.25	0.5
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD23	15	0.54	0.25	0.5
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD21	15	0.45	0.09	0.44
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD22	15	0.45	0.09	0.44
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD23	15	0.45	0.09	0.44
(2,2455)	1:72:A:THR:HA	1:75:A:GLU:HG2	15	0.44	0.16	0.45
(2,2500)	1:81:A:LYS:HD3	1:78:A:PHE:HA	15	0.44	0.19	0.38
(2,5077)	1:133:A:LEU:HD11	1:134:A:ALA:H	15	0.44	0.16	0.43
(2,5077)	1:133:A:LEU:HD12	1:134:A:ALA:H	15	0.44	0.16	0.43
(2,5077)	1:133:A:LEU:HD13	1:134:A:ALA:H	15	0.44	0.16	0.43
(2,4555)	1:65:A:ASP:HB2	1:37:A:ALA:H	15	0.37	0.22	0.41
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD11	15	0.37	0.03	0.38
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD12	15	0.37	0.03	0.38
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD13	15	0.37	0.03	0.38
(2,3425)	1:131:A:LYS:HB3	1:131:A:LYS:HE2	15	0.37	0.25	0.23
(2,4898)	1:95:A:ALA:H	1:98:A:PHE:H	15	0.36	0.13	0.35
(2,5336)	1:170:A:LEU:HD11	1:174:A:LEU:H	15	0.35	0.15	0.29
(2,5336)	1:170:A:LEU:HD12	1:174:A:LEU:H	15	0.35	0.15	0.29
(2,5336)	1:170:A:LEU:HD13	1:174:A:LEU:H	15	0.35	0.15	0.29
(2,2130)	1:120:A:TRP:HH2	1:159:A:LYS:HG2	15	0.34	0.17	0.29
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG21	15	0.32	0.07	0.33
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG22	15	0.32	0.07	0.33
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG23	15	0.32	0.07	0.33
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD11	15	0.32	0.12	0.27
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD12	15	0.32	0.12	0.27
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD13	15	0.32	0.12	0.27
(2,417)	1:158:A:GLU:H	1:158:A:GLU:HG2	15	0.27	0.07	0.27
(2,5301)	1:164:A:ILE:HD11	1:168:A:LEU:H	15	0.26	0.11	0.25
(2,5301)	1:164:A:ILE:HD12	1:168:A:LEU:H	15	0.26	0.11	0.25
(2,5301)	1:164:A:ILE:HD13	1:168:A:LEU:H	15	0.26	0.11	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1645)	1:24:A:LYS:HE2	1:24:A:LYS:HD2	15	0.26	0.0	0.26
(2,1179)	1:65:A:ASP:HB2	1:65:A:ASP:HA	15	0.24	0.01	0.24
(2,2182)	1:6:A:ILE:HG12	1:51:A:LEU:HG	15	0.2	0.1	0.17
(2,4800)	1:81:A:LYS:HB3	1:81:A:LYS:H	15	0.18	0.02	0.18
(2,2842)	1:116:A:ILE:HG12	1:106:A:ARG:HD3	14	2.07	0.39	2.24
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD11	14	1.41	0.36	1.62
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD12	14	1.41	0.36	1.62
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD13	14	1.41	0.36	1.62
(2,2564)	1:150:A:PRO:HA	1:144:A:ILE:HG12	14	1.2	0.97	0.76
(2,3062)	1:133:A:LEU:HD11	1:122:A:THR:HA	14	1.14	0.22	1.17
(2,3062)	1:133:A:LEU:HD12	1:122:A:THR:HA	14	1.14	0.22	1.17
(2,3062)	1:133:A:LEU:HD13	1:122:A:THR:HA	14	1.14	0.22	1.17
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD11	14	1.08	0.56	1.19
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD12	14	1.08	0.56	1.19
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD13	14	1.08	0.56	1.19
(2,1735)	1:28:A:LYS:HG3	1:29:A:ASP:HA	14	1.07	0.28	1.0
(2,422)	1:165:A:SER:H	1:166:A:GLU:HG2	14	1.06	0.67	1.52
(2,1731)	1:27:A:GLY:HA2	1:24:A:LYS:HD2	14	1.03	0.39	0.96
(2,4008)	1:148:A:ARG:HB3	1:149:A:GLN:H	14	0.91	0.15	0.96
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD11	14	0.86	0.15	0.9
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD12	14	0.86	0.15	0.9
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD13	14	0.86	0.15	0.9
(2,5147)	1:146:A:GLU:HB3	1:145:A:ASP:H	14	0.72	0.43	0.58
(2,3712)	1:82:A:LEU:HD21	1:117:A:VAL:H	14	0.69	0.69	0.28
(2,3712)	1:82:A:LEU:HD22	1:117:A:VAL:H	14	0.69	0.69	0.28
(2,3712)	1:82:A:LEU:HD23	1:117:A:VAL:H	14	0.69	0.69	0.28
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD21	14	0.63	0.08	0.65
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD22	14	0.63	0.08	0.65
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD23	14	0.63	0.08	0.65
(2,2460)	1:162:A:LYS:HE2	1:158:A:GLU:HG3	14	0.58	0.25	0.55
(2,1232)	1:158:A:GLU:HA	1:162:A:LYS:HE2	14	0.57	0.14	0.58
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB1	14	0.52	0.3	0.52
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB2	14	0.52	0.3	0.52
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB3	14	0.52	0.3	0.52
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB1	14	0.52	0.3	0.52
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB2	14	0.52	0.3	0.52
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB3	14	0.52	0.3	0.52
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB1	14	0.52	0.3	0.52
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB2	14	0.52	0.3	0.52
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB3	14	0.52	0.3	0.52
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD11	14	0.52	0.21	0.55
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD12	14	0.52	0.21	0.55

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD13	14	0.52	0.21	0.55
(2,4789)	1:113:A:GLY:HA2	1:79:A:ASN:H	14	0.46	0.2	0.44
(2,1194)	1:96:A:GLU:HG3	1:96:A:GLU:HA	14	0.42	0.34	0.22
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD11	14	0.38	0.17	0.38
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD12	14	0.38	0.17	0.38
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD13	14	0.38	0.17	0.38
(2,96)	1:159:A:LYS:HB2	1:120:A:TRP:HZ2	14	0.38	0.18	0.34
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD11	14	0.35	0.22	0.29
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD12	14	0.35	0.22	0.29
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD13	14	0.35	0.22	0.29
(2,408)	1:17:A:ASN:HD21	1:17:A:ASN:HB2	14	0.35	0.14	0.35
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD21	14	0.34	0.13	0.35
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD22	14	0.34	0.13	0.35
(2,804)	1:112:A:ARG:HA	1:112:A:ARG:HG3	14	0.32	0.04	0.3
(2,84)	1:159:A:LYS:HG3	1:120:A:TRP:HH2	14	0.26	0.12	0.26
(2,1231)	1:41:A:LYS:HD2	1:41:A:LYS:HE2	14	0.26	0.0	0.26
(2,1223)	1:162:A:LYS:HD2	1:162:A:LYS:HE2	14	0.26	0.0	0.26
(2,1644)	1:162:A:LYS:HE2	1:162:A:LYS:HD2	14	0.26	0.0	0.26
(2,2396)	1:111:A:PRO:HG2	1:111:A:PRO:HB3	14	0.23	0.0	0.23
(2,799)	1:111:A:PRO:HD3	1:111:A:PRO:HG2	14	0.23	0.01	0.23
(2,3572)	1:116:A:ILE:HG12	1:116:A:ILE:H	14	0.23	0.04	0.22
(2,3575)	1:116:A:ILE:HG12	1:116:A:ILE:H	14	0.23	0.04	0.22
(2,4752)	1:74:A:GLU:HG3	1:73:A:LEU:H	14	0.22	0.06	0.2
(2,3598)	1:82:A:LEU:HB3	1:82:A:LEU:H	14	0.14	0.04	0.12
(2,377)	1:47:A:TYR:H	1:47:A:TYR:HB3	14	0.13	0.02	0.12
(2,1979)	1:156:A:ARG:HA	1:155:A:GLU:HG3	13	2.04	0.05	2.05
(2,3428)	1:155:A:GLU:HB2	1:159:A:LYS:HE2	13	1.34	0.75	1.61
(3,273)	1:144:A:ILE:HG12	1:149:A:GLN:HA	13	1.07	0.52	1.06
(2,1825)	1:148:A:ARG:HE	1:149:A:GLN:HG2	13	1.05	0.48	1.07
(2,3118)	1:92:A:GLU:HG2	1:148:A:ARG:HA	13	1.02	0.61	1.19
(2,3107)	1:161:A:VAL:H	1:157:A:VAL:HB	13	0.99	0.37	1.17
(2,3943)	1:157:A:VAL:HB	1:161:A:VAL:H	13	0.99	0.37	1.17
(2,1906)	1:100:A:ASP:HB2	1:131:A:LYS:HD2	13	0.96	0.25	0.97
(2,4071)	1:112:A:ARG:HD2	1:112:A:ARG:H	13	0.93	0.43	0.99
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG21	13	0.8	0.11	0.81
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG22	13	0.8	0.11	0.81
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG23	13	0.8	0.11	0.81
(2,5201)	1:155:A:GLU:HB3	1:155:A:GLU:H	13	0.79	0.03	0.8
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD11	13	0.64	0.34	0.71
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD12	13	0.64	0.34	0.71
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD13	13	0.64	0.34	0.71
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD11	13	0.64	0.34	0.71

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD12	13	0.64	0.34	0.71
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD13	13	0.64	0.34	0.71
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD11	13	0.64	0.34	0.71
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD12	13	0.64	0.34	0.71
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD13	13	0.64	0.34	0.71
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD21	13	0.51	0.3	0.48
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD22	13	0.51	0.3	0.48
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD23	13	0.51	0.3	0.48
(2,1106)	1:102:A:LEU:HD11	1:102:A:LEU:HA	13	0.42	0.04	0.43
(2,1106)	1:102:A:LEU:HD12	1:102:A:LEU:HA	13	0.42	0.04	0.43
(2,1106)	1:102:A:LEU:HD13	1:102:A:LEU:HA	13	0.42	0.04	0.43
(2,4705)	1:61:A:GLU:HG3	1:62:A:ALA:H	13	0.41	0.09	0.43
(2,1577)	1:25:A:GLN:HB3	1:22:A:ILE:HA	13	0.39	0.14	0.38
(2,4998)	1:116:A:ILE:HD11	1:115:A:THR:H	13	0.38	0.11	0.36
(2,4998)	1:116:A:ILE:HD12	1:115:A:THR:H	13	0.38	0.11	0.36
(2,4998)	1:116:A:ILE:HD13	1:115:A:THR:H	13	0.38	0.11	0.36
(2,3470)	1:163:A:GLN:HA	1:166:A:GLU:HG3	13	0.38	0.14	0.35
(2,4124)	1:25:A:GLN:HA	1:25:A:GLN:HE21	13	0.37	0.1	0.4
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD11	13	0.37	0.17	0.33
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD12	13	0.37	0.17	0.33
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD13	13	0.37	0.17	0.33
(2,5245)	1:142:A:LEU:HD11	1:160:A:TRP:H	13	0.37	0.17	0.33
(2,5245)	1:142:A:LEU:HD12	1:160:A:TRP:H	13	0.37	0.17	0.33
(2,5245)	1:142:A:LEU:HD13	1:160:A:TRP:H	13	0.37	0.17	0.33
(2,1647)	1:25:A:GLN:H	1:24:A:LYS:HD2	13	0.35	0.05	0.36
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD11	13	0.3	0.12	0.29
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD12	13	0.3	0.12	0.29
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD13	13	0.3	0.12	0.29
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD11	13	0.3	0.12	0.29
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD12	13	0.3	0.12	0.29
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD13	13	0.3	0.12	0.29
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD11	13	0.3	0.12	0.29
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD12	13	0.3	0.12	0.29
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD13	13	0.3	0.12	0.29
(2,3346)	1:159:A:LYS:HE2	1:159:A:LYS:HD2	13	0.26	0.0	0.26
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD21	13	0.26	0.07	0.25
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD22	13	0.26	0.07	0.25
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD23	13	0.26	0.07	0.25
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD21	13	0.26	0.07	0.25
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD22	13	0.26	0.07	0.25
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD23	13	0.26	0.07	0.25
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD21	13	0.26	0.07	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD22	13	0.26	0.07	0.25
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD23	13	0.26	0.07	0.25
(2,764)	1:24:A:LYS:HA	1:24:A:LYS:HB2	13	0.25	0.0	0.25
(2,1175)	1:24:A:LYS:HB2	1:24:A:LYS:HA	13	0.25	0.0	0.25
(2,4463)	1:21:A:MET:HA	1:23:A:GLN:H	13	0.23	0.07	0.24
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	13	0.23	0.09	0.2
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	13	0.23	0.09	0.2
(2,1230)	1:20:A:LYS:HG3	1:20:A:LYS:HE3	13	0.22	0.02	0.21
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD21	13	0.17	0.05	0.17
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD22	13	0.17	0.05	0.17
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD23	13	0.17	0.05	0.17
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD21	13	0.17	0.05	0.17
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD22	13	0.17	0.05	0.17
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD23	13	0.17	0.05	0.17
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD21	13	0.17	0.05	0.17
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD22	13	0.17	0.05	0.17
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD23	13	0.17	0.05	0.17
(2,5289)	1:167:A:GLU:HB3	1:167:A:GLU:H	13	0.13	0.02	0.13
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD1	13	0.12	0.02	0.11
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD2	13	0.12	0.02	0.11
(2,4480)	1:26:A:LEU:HD11	1:25:A:GLN:H	12	1.32	0.32	1.32
(2,4480)	1:26:A:LEU:HD12	1:25:A:GLN:H	12	1.32	0.32	1.32
(2,4480)	1:26:A:LEU:HD13	1:25:A:GLN:H	12	1.32	0.32	1.32
(2,4383)	1:66:A:TRP:HZ3	1:9:A:GLY:H	12	1.25	1.29	0.18
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD1	12	1.24	0.23	1.25
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD2	12	1.24	0.23	1.25
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD1	12	1.24	0.23	1.25
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD2	12	1.24	0.23	1.25
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD1	12	1.24	0.23	1.25
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD2	12	1.24	0.23	1.25
(2,1224)	1:38:A:LYS:HB2	1:38:A:LYS:HE2	12	1.15	0.8	1.8
(2,1220)	1:50:A:LEU:HD11	1:50:A:LEU:HA	12	1.08	0.01	1.08
(2,1220)	1:50:A:LEU:HD12	1:50:A:LEU:HA	12	1.08	0.01	1.08
(2,1220)	1:50:A:LEU:HD13	1:50:A:LEU:HA	12	1.08	0.01	1.08
(2,3884)	1:26:A:LEU:HD11	1:26:A:LEU:H	12	1.05	0.23	1.0
(2,3884)	1:26:A:LEU:HD12	1:26:A:LEU:H	12	1.05	0.23	1.0
(2,3884)	1:26:A:LEU:HD13	1:26:A:LEU:H	12	1.05	0.23	1.0
(2,4493)	1:26:A:LEU:HD11	1:26:A:LEU:H	12	1.05	0.23	1.0
(2,4493)	1:26:A:LEU:HD12	1:26:A:LEU:H	12	1.05	0.23	1.0
(2,4493)	1:26:A:LEU:HD13	1:26:A:LEU:H	12	1.05	0.23	1.0
(2,4358)	1:50:A:LEU:HD11	1:5:A:GLY:H	12	0.95	0.19	0.91
(2,4358)	1:50:A:LEU:HD12	1:5:A:GLY:H	12	0.95	0.19	0.91

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,4358)	1:50:A:LEU:HD13	1:5:A:GLY:H	12	0.95	0.19	0.91
(2,3257)	1:115:A:THR:HA	1:110:A:GLU:HG3	12	0.85	0.68	0.66
(2,3551)	1:59:A:TYR:HE1	1:58:A:TYR:HB2	12	0.75	0.4	0.76
(2,3551)	1:59:A:TYR:HE2	1:58:A:TYR:HB2	12	0.75	0.4	0.76
(2,3661)	1:91:A:GLN:HG3	1:91:A:GLN:H	12	0.72	0.39	0.72
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD21	12	0.7	0.53	0.68
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD22	12	0.7	0.53	0.68
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD23	12	0.7	0.53	0.68
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD21	12	0.7	0.53	0.68
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD22	12	0.7	0.53	0.68
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD23	12	0.7	0.53	0.68
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD21	12	0.7	0.53	0.68
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD22	12	0.7	0.53	0.68
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD23	12	0.7	0.53	0.68
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD21	12	0.66	0.16	0.67
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD22	12	0.66	0.16	0.67
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD23	12	0.66	0.16	0.67
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD21	12	0.66	0.16	0.67
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD22	12	0.66	0.16	0.67
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD23	12	0.66	0.16	0.67
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD11	12	0.62	0.24	0.57
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD12	12	0.62	0.24	0.57
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD13	12	0.62	0.24	0.57
(2,4634)	1:50:A:LEU:HD11	1:48:A:ASP:H	12	0.62	0.24	0.57
(2,4634)	1:50:A:LEU:HD12	1:48:A:ASP:H	12	0.62	0.24	0.57
(2,4634)	1:50:A:LEU:HD13	1:48:A:ASP:H	12	0.62	0.24	0.57
(3,453)	1:41:A:LYS:HD2	1:77:A:ASP:H	12	0.61	0.24	0.68
(2,5163)	1:148:A:ARG:HD3	1:148:A:ARG:H	12	0.6	0.28	0.58
(2,5149)	1:144:A:ILE:HG12	1:145:A:ASP:H	12	0.6	0.32	0.68
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD11	12	0.55	0.14	0.58
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD12	12	0.55	0.14	0.58
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD13	12	0.55	0.14	0.58
(2,2451)	1:108:A:ILE:HD11	1:74:A:GLU:HG3	12	0.54	0.31	0.57
(2,2451)	1:108:A:ILE:HD12	1:74:A:GLU:HG3	12	0.54	0.31	0.57
(2,2451)	1:108:A:ILE:HD13	1:74:A:GLU:HG3	12	0.54	0.31	0.57
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD11	12	0.54	0.31	0.57
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD12	12	0.54	0.31	0.57
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD13	12	0.54	0.31	0.57
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD21	12	0.53	0.36	0.36
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD22	12	0.53	0.36	0.36
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD23	12	0.53	0.36	0.36
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD21	12	0.53	0.36	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD22	12	0.53	0.36	0.36
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD23	12	0.53	0.36	0.36
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG21	12	0.52	0.34	0.49
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG22	12	0.52	0.34	0.49
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG23	12	0.52	0.34	0.49
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD11	12	0.48	0.12	0.52
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD12	12	0.48	0.12	0.52
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD13	12	0.48	0.12	0.52
(2,4146)	1:133:A:LEU:HD21	1:130:A:SER:H	12	0.43	0.22	0.4
(2,4146)	1:133:A:LEU:HD22	1:130:A:SER:H	12	0.43	0.22	0.4
(2,4146)	1:133:A:LEU:HD23	1:130:A:SER:H	12	0.43	0.22	0.4
(2,4091)	1:163:A:GLN:HG3	1:164:A:ILE:H	12	0.4	0.05	0.42
(2,3058)	1:160:A:TRP:HD1	1:121:A:PRO:HD3	12	0.35	0.21	0.29
(3,378)	1:6:A:ILE:HG12	1:33:A:VAL:H	12	0.3	0.12	0.32
(2,1337)	1:50:A:LEU:HA	1:6:A:ILE:HA	12	0.29	0.1	0.3
(2,4488)	1:158:A:GLU:HA	1:25:A:GLN:HE21	12	0.25	0.1	0.24
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD11	12	0.24	0.1	0.21
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD12	12	0.24	0.1	0.21
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD13	12	0.24	0.1	0.21
(2,5242)	1:159:A:LYS:HG3	1:160:A:TRP:H	12	0.23	0.19	0.16
(2,4660)	1:83:A:VAL:HG11	1:52:A:LEU:H	12	0.22	0.09	0.19
(2,4660)	1:83:A:VAL:HG12	1:52:A:LEU:H	12	0.22	0.09	0.19
(2,4660)	1:83:A:VAL:HG13	1:52:A:LEU:H	12	0.22	0.09	0.19
(2,5309)	1:169:A:HIS:HB2	1:169:A:HIS:H	12	0.2	0.11	0.16
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD21	12	0.18	0.05	0.18
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD22	12	0.18	0.05	0.18
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD23	12	0.18	0.05	0.18
(2,782)	1:159:A:LYS:HA	1:159:A:LYS:HD2	12	0.13	0.02	0.13
(2,3324)	1:157:A:VAL:HG11	1:153:A:THR:HA	11	1.63	0.39	1.71
(2,3324)	1:157:A:VAL:HG12	1:153:A:THR:HA	11	1.63	0.39	1.71
(2,3324)	1:157:A:VAL:HG13	1:153:A:THR:HA	11	1.63	0.39	1.71
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD11	11	1.53	0.94	1.89
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD12	11	1.53	0.94	1.89
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD13	11	1.53	0.94	1.89
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD21	11	1.52	0.6	1.76
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD22	11	1.52	0.6	1.76
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD23	11	1.52	0.6	1.76
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD21	11	1.52	0.6	1.76
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD22	11	1.52	0.6	1.76
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD23	11	1.52	0.6	1.76
(2,3469)	1:165:A:SER:HB3	1:166:A:GLU:HG3	11	1.43	0.15	1.39
(3,569)	1:91:A:GLN:HG2	1:126:A:HIS:H	11	1.42	0.96	1.92

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD11	11	1.28	0.85	1.45
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD12	11	1.28	0.85	1.45
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD13	11	1.28	0.85	1.45
(2,1314)	1:26:A:LEU:HG	1:4:A:THR:HB	11	1.22	0.32	1.1
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD11	11	1.17	0.44	1.12
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD12	11	1.17	0.44	1.12
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD13	11	1.17	0.44	1.12
(2,4692)	1:61:A:GLU:HG3	1:59:A:TYR:H	11	1.17	0.94	0.75
(2,4477)	1:26:A:LEU:HD21	1:25:A:GLN:H	11	1.05	0.4	1.29
(2,4477)	1:26:A:LEU:HD22	1:25:A:GLN:H	11	1.05	0.4	1.29
(2,4477)	1:26:A:LEU:HD23	1:25:A:GLN:H	11	1.05	0.4	1.29
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG21	11	0.98	0.78	1.17
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG22	11	0.98	0.78	1.17
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG23	11	0.98	0.78	1.17
(3,609)	1:157:A:VAL:HG11	1:144:A:ILE:H	11	0.97	0.45	0.93
(3,609)	1:157:A:VAL:HG12	1:144:A:ILE:H	11	0.97	0.45	0.93
(3,609)	1:157:A:VAL:HG13	1:144:A:ILE:H	11	0.97	0.45	0.93
(2,3882)	1:26:A:LEU:HD21	1:26:A:LEU:H	11	0.87	0.46	1.11
(2,3882)	1:26:A:LEU:HD22	1:26:A:LEU:H	11	0.87	0.46	1.11
(2,3882)	1:26:A:LEU:HD23	1:26:A:LEU:H	11	0.87	0.46	1.11
(3,19)	1:63:A:GLN:HA	1:57:A:TRP:HZ2	11	0.8	0.39	0.84
(2,5166)	1:149:A:GLN:HG3	1:148:A:ARG:H	11	0.78	0.62	0.52
(2,1634)	1:25:A:GLN:HE21	1:162:A:LYS:HG3	11	0.51	0.09	0.55
(2,4486)	1:162:A:LYS:HG3	1:25:A:GLN:HE21	11	0.51	0.09	0.55
(2,4965)	1:73:A:LEU:HD11	1:109:A:ILE:H	11	0.49	0.22	0.47
(2,4965)	1:73:A:LEU:HD12	1:109:A:ILE:H	11	0.49	0.22	0.47
(2,4965)	1:73:A:LEU:HD13	1:109:A:ILE:H	11	0.49	0.22	0.47
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD11	11	0.47	0.15	0.47
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD12	11	0.47	0.15	0.47
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD13	11	0.47	0.15	0.47
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD11	11	0.47	0.15	0.47
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD12	11	0.47	0.15	0.47
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD13	11	0.47	0.15	0.47
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG11	11	0.44	0.31	0.38
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG12	11	0.44	0.31	0.38
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG13	11	0.44	0.31	0.38
(2,4502)	1:28:A:LYS:HD2	1:29:A:ASP:H	11	0.4	0.07	0.42
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB1	11	0.37	0.19	0.36
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB2	11	0.37	0.19	0.36
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB3	11	0.37	0.19	0.36
(2,2184)	1:48:A:ASP:HA	1:81:A:LYS:HD2	11	0.35	0.19	0.27
(2,1688)	1:31:A:ALA:HB1	1:26:A:LEU:HG	11	0.35	0.11	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1688)	1:31:A:ALA:HB2	1:26:A:LEU:HG	11	0.35	0.11	0.33
(2,1688)	1:31:A:ALA:HB3	1:26:A:LEU:HG	11	0.35	0.11	0.33
(2,1671)	1:155:A:GLU:HG2	1:155:A:GLU:HB2	11	0.24	0.01	0.24
(2,1662)	1:66:A:TRP:HE3	1:69:A:PHE:HB2	11	0.24	0.1	0.2
(2,3342)	1:166:A:GLU:H	1:166:A:GLU:HB2	11	0.22	0.02	0.22
(2,1959)	1:75:A:GLU:HA	1:41:A:LYS:HE2	11	0.22	0.07	0.19
(2,4921)	1:102:A:LEU:HD11	1:102:A:LEU:H	11	0.19	0.1	0.14
(2,4921)	1:102:A:LEU:HD12	1:102:A:LEU:H	11	0.19	0.1	0.14
(2,4921)	1:102:A:LEU:HD13	1:102:A:LEU:H	11	0.19	0.1	0.14
(2,3756)	1:163:A:GLN:HG3	1:163:A:GLN:H	11	0.17	0.07	0.15
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD11	11	0.16	0.05	0.14
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD12	11	0.16	0.05	0.14
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD13	11	0.16	0.05	0.14
(2,4801)	1:114:A:ALA:HB1	1:81:A:LYS:H	11	0.14	0.03	0.14
(2,4801)	1:114:A:ALA:HB2	1:81:A:LYS:H	11	0.14	0.03	0.14
(2,4801)	1:114:A:ALA:HB3	1:81:A:LYS:H	11	0.14	0.03	0.14
(2,3793)	1:156:A:ARG:HB3	1:156:A:ARG:H	11	0.12	0.02	0.13
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG21	10	1.97	0.33	2.13
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG22	10	1.97	0.33	2.13
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG23	10	1.97	0.33	2.13
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD11	10	1.42	0.9	1.88
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD12	10	1.42	0.9	1.88
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD13	10	1.42	0.9	1.88
(2,1228)	1:38:A:LYS:HB2	1:38:A:LYS:HE3	10	1.33	0.29	1.44
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD21	10	1.33	1.01	1.94
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD22	10	1.33	1.01	1.94
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD23	10	1.33	1.01	1.94
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD21	10	1.33	1.01	1.94
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD22	10	1.33	1.01	1.94
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD23	10	1.33	1.01	1.94
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG21	10	1.29	0.79	1.27
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG22	10	1.29	0.79	1.27
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG23	10	1.29	0.79	1.27
(2,2388)	1:112:A:ARG:HD2	1:111:A:PRO:HB2	10	1.26	0.71	1.69
(2,5175)	1:156:A:ARG:HD3	1:151:A:GLU:H	10	1.22	0.64	1.37
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG11	10	1.18	0.02	1.17
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG12	10	1.18	0.02	1.17
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG13	10	1.18	0.02	1.17
(2,1126)	1:157:A:VAL:HG11	1:158:A:GLU:HA	10	1.18	0.02	1.17
(2,1126)	1:157:A:VAL:HG12	1:158:A:GLU:HA	10	1.18	0.02	1.17
(2,1126)	1:157:A:VAL:HG13	1:158:A:GLU:HA	10	1.18	0.02	1.17
(2,2708)	1:128:A:GLU:HB2	1:96:A:GLU:HG3	10	1.16	0.94	1.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2708)	1:128:A:GLU:HB2	1:96:A:GLU:HG2	10	1.16	0.94	1.12
(2,5238)	1:25:A:GLN:HE22	1:160:A:TRP:H	10	1.04	0.89	0.56
(2,963)	1:157:A:VAL:HG21	1:142:A:LEU:HG	10	0.98	0.23	0.88
(2,963)	1:157:A:VAL:HG22	1:142:A:LEU:HG	10	0.98	0.23	0.88
(2,963)	1:157:A:VAL:HG23	1:142:A:LEU:HG	10	0.98	0.23	0.88
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG21	10	0.98	0.23	0.88
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG22	10	0.98	0.23	0.88
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG23	10	0.98	0.23	0.88
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD21	10	0.95	0.76	0.57
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD22	10	0.95	0.76	0.57
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD23	10	0.95	0.76	0.57
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD21	10	0.95	0.76	0.57
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD22	10	0.95	0.76	0.57
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD23	10	0.95	0.76	0.57
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD21	10	0.95	0.76	0.57
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD22	10	0.95	0.76	0.57
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD23	10	0.95	0.76	0.57
(2,1209)	1:82:A:LEU:HD21	1:168:A:LEU:HA	10	0.88	0.57	0.82
(2,1209)	1:82:A:LEU:HD22	1:168:A:LEU:HA	10	0.88	0.57	0.82
(2,1209)	1:82:A:LEU:HD23	1:168:A:LEU:HA	10	0.88	0.57	0.82
(2,3952)	1:24:A:LYS:HB2	1:25:A:GLN:H	10	0.87	0.5	1.18
(2,982)	1:157:A:VAL:HG11	1:142:A:LEU:HG	10	0.7	0.21	0.71
(2,982)	1:157:A:VAL:HG12	1:142:A:LEU:HG	10	0.7	0.21	0.71
(2,982)	1:157:A:VAL:HG13	1:142:A:LEU:HG	10	0.7	0.21	0.71
(2,2009)	1:39:A:SER:HB3	1:43:A:ASP:HB2	10	0.66	0.33	0.57
(2,5059)	1:131:A:LYS:HG3	1:130:A:SER:H	10	0.61	0.54	0.32
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD11	10	0.58	0.27	0.58
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD12	10	0.58	0.27	0.58
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD13	10	0.58	0.27	0.58
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG21	10	0.57	0.16	0.58
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG22	10	0.57	0.16	0.58
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG23	10	0.57	0.16	0.58
(2,5210)	1:157:A:VAL:HG11	1:156:A:ARG:H	10	0.51	0.05	0.5
(2,5210)	1:157:A:VAL:HG12	1:156:A:ARG:H	10	0.51	0.05	0.5
(2,5210)	1:157:A:VAL:HG13	1:156:A:ARG:H	10	0.51	0.05	0.5
(2,834)	1:38:A:LYS:HA	1:38:A:LYS:HG2	10	0.45	0.19	0.34
(2,1895)	1:38:A:LYS:HG2	1:38:A:LYS:HA	10	0.45	0.19	0.34
(2,5045)	1:95:A:ALA:HB1	1:127:A:PHE:H	10	0.44	0.29	0.38
(2,5045)	1:95:A:ALA:HB2	1:127:A:PHE:H	10	0.44	0.29	0.38
(2,5045)	1:95:A:ALA:HB3	1:127:A:PHE:H	10	0.44	0.29	0.38
(2,4698)	1:101:A:ALA:H	1:61:A:GLU:H	10	0.43	0.22	0.44
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD11	10	0.33	0.15	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD12	10	0.33	0.15	0.32
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD13	10	0.33	0.15	0.32
(2,4980)	1:74:A:GLU:HB2	1:112:A:ARG:HE	10	0.29	0.11	0.3
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG11	10	0.28	0.01	0.29
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG12	10	0.28	0.01	0.29
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG13	10	0.28	0.01	0.29
(2,3983)	1:157:A:VAL:HG11	1:157:A:VAL:H	10	0.28	0.01	0.29
(2,3983)	1:157:A:VAL:HG12	1:157:A:VAL:H	10	0.28	0.01	0.29
(2,3983)	1:157:A:VAL:HG13	1:157:A:VAL:H	10	0.28	0.01	0.29
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG21	10	0.26	0.1	0.27
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG22	10	0.26	0.1	0.27
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG23	10	0.26	0.1	0.27
(2,5065)	1:131:A:LYS:HB2	1:132:A:GLY:H	10	0.21	0.06	0.2
(2,1675)	1:22:A:ILE:HA	1:25:A:GLN:HG2	10	0.21	0.05	0.21
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD11	10	0.15	0.04	0.15
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD12	10	0.15	0.04	0.15
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD13	10	0.15	0.04	0.15
(2,5260)	1:163:A:GLN:HB3	1:163:A:GLN:H	10	0.14	0.03	0.15
(2,403)	1:79:A:ASN:H	1:79:A:ASN:HB3	10	0.12	0.01	0.12
(2,439)	1:163:A:GLN:H	1:162:A:LYS:HB2	10	0.12	0.01	0.11
(2,3757)	1:162:A:LYS:HB2	1:163:A:GLN:H	10	0.12	0.01	0.11
(2,5239)	1:159:A:LYS:HA	1:160:A:TRP:H	10	0.11	0.01	0.11
(2,751)	1:163:A:GLN:HA	1:166:A:GLU:HG2	9	2.66	0.25	2.7
(2,5177)	1:146:A:GLU:HB2	1:151:A:GLU:H	9	1.84	1.24	1.75
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD11	9	1.0	0.57	1.14
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD12	9	1.0	0.57	1.14
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD13	9	1.0	0.57	1.14
(2,1660)	1:25:A:GLN:HE22	1:162:A:LYS:HE2	9	0.85	0.4	0.61
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD21	9	0.7	0.29	0.6
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD22	9	0.7	0.29	0.6
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD23	9	0.7	0.29	0.6
(2,2457)	1:162:A:LYS:HA	1:166:A:GLU:HG2	9	0.63	0.15	0.63
(2,3512)	1:166:A:GLU:HB3	1:171:A:ASP:HB2	9	0.61	0.27	0.68
(2,1973)	1:156:A:ARG:H	1:155:A:GLU:HG3	9	0.5	0.09	0.56
(2,3792)	1:155:A:GLU:HG3	1:156:A:ARG:H	9	0.5	0.09	0.56
(2,2962)	1:109:A:ILE:HA	1:112:A:ARG:HD3	9	0.48	0.11	0.51
(2,2340)	1:142:A:LEU:HD11	1:156:A:ARG:HA	9	0.47	0.23	0.33
(2,2340)	1:142:A:LEU:HD12	1:156:A:ARG:HA	9	0.47	0.23	0.33
(2,2340)	1:142:A:LEU:HD13	1:156:A:ARG:HA	9	0.47	0.23	0.33
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD11	9	0.47	0.23	0.33
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD12	9	0.47	0.23	0.33
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD13	9	0.47	0.23	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,106)	1:45:A:GLU:H	1:39:A:SER:HB3	9	0.47	0.38	0.36
(2,3492)	1:172:A:GLU:HB2	1:169:A:HIS:HB2	9	0.44	0.25	0.25
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG11	9	0.35	0.17	0.4
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG12	9	0.35	0.17	0.4
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG13	9	0.35	0.17	0.4
(2,3093)	1:125:A:TYR:HD1	1:126:A:HIS:HB2	9	0.35	0.2	0.3
(2,3093)	1:125:A:TYR:HD2	1:126:A:HIS:HB2	9	0.35	0.2	0.3
(3,377)	1:20:A:LYS:HG2	1:33:A:VAL:H	9	0.3	0.11	0.33
(2,3095)	1:125:A:TYR:HD1	1:126:A:HIS:HB3	9	0.28	0.14	0.24
(2,3095)	1:125:A:TYR:HD2	1:126:A:HIS:HB3	9	0.28	0.14	0.24
(2,2053)	1:97:A:TYR:HE1	1:96:A:GLU:HG2	9	0.25	0.09	0.3
(2,2053)	1:97:A:TYR:HE2	1:96:A:GLU:HG2	9	0.25	0.09	0.3
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB1	9	0.21	0.09	0.21
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB2	9	0.21	0.09	0.21
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB3	9	0.21	0.09	0.21
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB1	9	0.21	0.09	0.21
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB2	9	0.21	0.09	0.21
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB3	9	0.21	0.09	0.21
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB1	9	0.21	0.09	0.21
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB2	9	0.21	0.09	0.21
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB3	9	0.21	0.09	0.21
(2,1534)	1:20:A:LYS:HA	1:20:A:LYS:HD2	9	0.21	0.06	0.23
(2,5235)	1:152:A:LEU:HD11	1:156:A:ARG:HE	9	0.18	0.02	0.17
(2,5235)	1:152:A:LEU:HD12	1:156:A:ARG:HE	9	0.18	0.02	0.17
(2,5235)	1:152:A:LEU:HD13	1:156:A:ARG:HE	9	0.18	0.02	0.17
(2,4507)	1:28:A:LYS:HB2	1:30:A:VAL:H	9	0.17	0.04	0.17
(2,3880)	1:25:A:GLN:HB3	1:26:A:LEU:H	9	0.16	0.04	0.15
(2,458)	1:166:A:GLU:H	1:166:A:GLU:HB3	9	0.12	0.01	0.12
(2,2533)	1:47:A:TYR:HB3	1:81:A:LYS:HD3	8	2.12	1.39	2.86
(2,94)	1:33:A:VAL:HA	1:34:A:HIS:HD2	8	2.08	0.19	2.02
(2,1678)	1:174:A:LEU:HB3	1:26:A:LEU:HA	8	1.84	1.36	1.91
(2,1202)	1:20:A:LYS:HD2	1:17:A:ASN:HA	8	1.77	0.32	1.7
(3,165)	1:112:A:ARG:HB3	1:81:A:LYS:HD2	8	1.29	0.6	1.36
(2,792)	1:17:A:ASN:HA	1:20:A:LYS:HD2	8	1.07	0.32	1.0
(2,2046)	1:77:A:ASP:HB3	1:45:A:GLU:HA	8	0.97	0.63	0.76
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG11	8	0.95	0.59	0.75
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG12	8	0.95	0.59	0.75
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG13	8	0.95	0.59	0.75
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG11	8	0.95	0.59	0.75
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG12	8	0.95	0.59	0.75
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG13	8	0.95	0.59	0.75
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG11	8	0.95	0.59	0.75

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG12	8	0.95	0.59	0.75
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG13	8	0.95	0.59	0.75
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD11	8	0.95	0.24	1.01
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD12	8	0.95	0.24	1.01
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD13	8	0.95	0.24	1.01
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD11	8	0.95	0.24	1.01
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD12	8	0.95	0.24	1.01
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD13	8	0.95	0.24	1.01
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD11	8	0.95	0.24	1.01
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD12	8	0.95	0.24	1.01
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD13	8	0.95	0.24	1.01
(2,4982)	1:112:A:ARG:HD2	1:113:A:GLY:H	8	0.87	0.28	0.78
(2,3305)	1:152:A:LEU:HD21	1:151:A:GLU:HG3	8	0.86	0.15	0.8
(2,3305)	1:152:A:LEU:HD22	1:151:A:GLU:HG3	8	0.86	0.15	0.8
(2,3305)	1:152:A:LEU:HD23	1:151:A:GLU:HG3	8	0.86	0.15	0.8
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD11	8	0.73	0.26	0.84
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD12	8	0.73	0.26	0.84
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD13	8	0.73	0.26	0.84
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD11	8	0.73	0.26	0.84
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD12	8	0.73	0.26	0.84
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD13	8	0.73	0.26	0.84
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD11	8	0.73	0.26	0.84
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD12	8	0.73	0.26	0.84
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD13	8	0.73	0.26	0.84
(2,5229)	1:145:A:ASP:H	1:156:A:ARG:HE	8	0.68	0.41	0.49
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD11	8	0.68	0.26	0.62
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD12	8	0.68	0.26	0.62
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD13	8	0.68	0.26	0.62
(2,5145)	1:156:A:ARG:HD2	1:145:A:ASP:H	8	0.67	0.5	0.52
(2,3704)	1:151:A:GLU:HG2	1:151:A:GLU:H	8	0.61	0.38	0.69
(3,667)	1:172:A:GLU:HG2	1:169:A:HIS:H	8	0.59	0.25	0.62
(2,4515)	1:26:A:LEU:HD11	1:31:A:ALA:H	8	0.53	0.15	0.57
(2,4515)	1:26:A:LEU:HD12	1:31:A:ALA:H	8	0.53	0.15	0.57
(2,4515)	1:26:A:LEU:HD13	1:31:A:ALA:H	8	0.53	0.15	0.57
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD11	8	0.5	0.23	0.58
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD12	8	0.5	0.23	0.58
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD13	8	0.5	0.23	0.58
(2,4148)	1:15:A:THR:HG21	1:53:A:GLY:H	8	0.48	0.28	0.5
(2,4148)	1:15:A:THR:HG22	1:53:A:GLY:H	8	0.48	0.28	0.5
(2,4148)	1:15:A:THR:HG23	1:53:A:GLY:H	8	0.48	0.28	0.5
(2,3306)	1:152:A:LEU:HG	1:151:A:GLU:HG3	8	0.4	0.13	0.39
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD11	8	0.38	0.12	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD12	8	0.38	0.12	0.4
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD13	8	0.38	0.12	0.4
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD11	8	0.38	0.12	0.4
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD12	8	0.38	0.12	0.4
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD13	8	0.38	0.12	0.4
(2,1540)	1:20:A:LYS:HG3	1:20:A:LYS:HE2	8	0.36	0.15	0.31
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD11	8	0.33	0.21	0.29
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD12	8	0.33	0.21	0.29
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD13	8	0.33	0.21	0.29
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD11	8	0.33	0.21	0.29
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD12	8	0.33	0.21	0.29
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD13	8	0.33	0.21	0.29
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD11	8	0.33	0.21	0.29
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD12	8	0.33	0.21	0.29
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD13	8	0.33	0.21	0.29
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD11	8	0.28	0.11	0.32
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD12	8	0.28	0.11	0.32
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD13	8	0.28	0.11	0.32
(2,2113)	1:50:A:LEU:HG	1:50:A:LEU:HA	8	0.26	0.02	0.27
(2,4487)	1:161:A:VAL:HB	1:25:A:GLN:HE21	8	0.26	0.12	0.26
(2,1902)	1:38:A:LYS:HE3	1:38:A:LYS:HG2	8	0.25	0.01	0.25
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD21	8	0.22	0.07	0.22
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD22	8	0.22	0.07	0.22
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD23	8	0.22	0.07	0.22
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD21	8	0.22	0.07	0.22
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD22	8	0.22	0.07	0.22
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD23	8	0.22	0.07	0.22
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG21	8	0.22	0.05	0.22
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG22	8	0.22	0.05	0.22
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG23	8	0.22	0.05	0.22
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG21	8	0.22	0.05	0.22
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG22	8	0.22	0.05	0.22
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG23	8	0.22	0.05	0.22
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG21	8	0.22	0.05	0.22
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG22	8	0.22	0.05	0.22
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG23	8	0.22	0.05	0.22
(2,453)	1:158:A:GLU:H	1:155:A:GLU:HB2	8	0.21	0.08	0.21
(2,1458)	1:71:A:PRO:HD2	1:68:A:ASP:HA	8	0.18	0.08	0.17
(2,43)	1:59:A:TYR:H	2:201:A:FMN:H6	8	0.14	0.02	0.15
(2,5282)	1:165:A:SER:HA	1:166:A:GLU:H	8	0.11	0.01	0.12
(2,1535)	1:16:A:GLU:HG2	1:20:A:LYS:HD2	7	2.51	1.13	2.36
(2,4171)	1:102:A:LEU:HD11	1:141:A:GLY:H	7	2.16	0.22	2.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,4171)	1:102:A:LEU:HD12	1:141:A:GLY:H	7	2.16	0.22	2.21
(2,4171)	1:102:A:LEU:HD13	1:141:A:GLY:H	7	2.16	0.22	2.21
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD11	7	1.57	0.61	1.79
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD12	7	1.57	0.61	1.79
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD13	7	1.57	0.61	1.79
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD11	7	1.33	0.48	1.51
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD12	7	1.33	0.48	1.51
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD13	7	1.33	0.48	1.51
(2,3195)	1:102:A:LEU:HD11	1:139:A:PHE:HB2	7	1.21	0.25	1.34
(2,3195)	1:102:A:LEU:HD12	1:139:A:PHE:HB2	7	1.21	0.25	1.34
(2,3195)	1:102:A:LEU:HD13	1:139:A:PHE:HB2	7	1.21	0.25	1.34
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD11	7	1.16	0.22	1.21
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD12	7	1.16	0.22	1.21
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD13	7	1.16	0.22	1.21
(2,2458)	1:169:A:HIS:HB3	1:172:A:GLU:HG2	7	1.1	0.34	1.13
(2,3491)	1:172:A:GLU:HG2	1:169:A:HIS:HB3	7	1.1	0.34	1.13
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD21	7	0.97	0.03	0.98
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD22	7	0.97	0.03	0.98
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD23	7	0.97	0.03	0.98
(2,5167)	1:92:A:GLU:HB2	1:148:A:ARG:H	7	0.88	0.51	0.98
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG11	7	0.79	0.08	0.77
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG12	7	0.79	0.08	0.77
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG13	7	0.79	0.08	0.77
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG11	7	0.79	0.08	0.77
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG12	7	0.79	0.08	0.77
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG13	7	0.79	0.08	0.77
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG11	7	0.79	0.08	0.77
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG12	7	0.79	0.08	0.77
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG13	7	0.79	0.08	0.77
(2,4101)	1:41:A:LYS:HG2	1:45:A:GLU:H	7	0.73	0.59	0.54
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD21	7	0.73	0.1	0.74
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD22	7	0.73	0.1	0.74
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD23	7	0.73	0.1	0.74
(2,5171)	1:145:A:ASP:HB3	1:149:A:GLN:H	7	0.69	0.35	0.65
(2,1686)	1:170:A:LEU:HD11	1:26:A:LEU:HG	7	0.68	0.1	0.67
(2,1686)	1:170:A:LEU:HD12	1:26:A:LEU:HG	7	0.68	0.1	0.67
(2,1686)	1:170:A:LEU:HD13	1:26:A:LEU:HG	7	0.68	0.1	0.67
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD11	7	0.61	0.25	0.59
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD12	7	0.61	0.25	0.59
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD13	7	0.61	0.25	0.59
(2,5111)	1:102:A:LEU:HD11	1:140:A:VAL:H	7	0.61	0.25	0.59
(2,5111)	1:102:A:LEU:HD12	1:140:A:VAL:H	7	0.61	0.25	0.59

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,5111)	1:102:A:LEU:HD13	1:140:A:VAL:H	7	0.61	0.25	0.59
(2,5124)	1:102:A:LEU:HD11	1:142:A:LEU:H	7	0.61	0.2	0.67
(2,5124)	1:102:A:LEU:HD12	1:142:A:LEU:H	7	0.61	0.2	0.67
(2,5124)	1:102:A:LEU:HD13	1:142:A:LEU:H	7	0.61	0.2	0.67
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD11	7	0.6	0.11	0.63
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD12	7	0.6	0.11	0.63
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD13	7	0.6	0.11	0.63
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD11	7	0.6	0.11	0.63
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD12	7	0.6	0.11	0.63
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD13	7	0.6	0.11	0.63
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD11	7	0.6	0.11	0.63
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD12	7	0.6	0.11	0.63
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD13	7	0.6	0.11	0.63
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD11	7	0.6	0.11	0.63
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD12	7	0.6	0.11	0.63
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD13	7	0.6	0.11	0.63
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD11	7	0.6	0.11	0.63
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD12	7	0.6	0.11	0.63
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD13	7	0.6	0.11	0.63
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD11	7	0.6	0.11	0.63
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD12	7	0.6	0.11	0.63
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD13	7	0.6	0.11	0.63
(2,1732)	1:131:A:LYS:H	1:131:A:LYS:HE2	7	0.58	0.23	0.71
(2,416)	1:172:A:GLU:H	1:172:A:GLU:HG2	7	0.58	0.07	0.58
(2,3877)	1:172:A:GLU:HG2	1:172:A:GLU:H	7	0.58	0.07	0.58
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD11	7	0.57	0.17	0.58
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD12	7	0.57	0.17	0.58
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD13	7	0.57	0.17	0.58
(2,5197)	1:155:A:GLU:HG2	1:154:A:ALA:H	7	0.55	0.12	0.51
(2,442)	1:25:A:GLN:H	1:24:A:LYS:HB2	7	0.49	0.02	0.49
(2,5323)	1:172:A:GLU:HG2	1:171:A:ASP:H	7	0.36	0.08	0.39
(2,5342)	1:171:A:ASP:HB2	1:175:A:ASN:H	7	0.31	0.1	0.36
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG21	7	0.31	0.08	0.31
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG22	7	0.31	0.08	0.31
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG23	7	0.31	0.08	0.31
(3,571)	1:133:A:LEU:HD11	1:127:A:PHE:H	7	0.28	0.06	0.29
(3,571)	1:133:A:LEU:HD12	1:127:A:PHE:H	7	0.28	0.06	0.29
(3,571)	1:133:A:LEU:HD13	1:127:A:PHE:H	7	0.28	0.06	0.29
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG21	7	0.27	0.11	0.28
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG22	7	0.27	0.11	0.28
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG23	7	0.27	0.11	0.28
(2,4674)	1:102:A:LEU:HD11	1:54:A:ILE:H	7	0.27	0.18	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,4674)	1:102:A:LEU:HD12	1:54:A:ILE:H	7	0.27	0.18	0.24
(2,4674)	1:102:A:LEU:HD13	1:54:A:ILE:H	7	0.27	0.18	0.24
(2,5143)	1:144:A:ILE:HG12	1:144:A:ILE:H	7	0.26	0.18	0.18
(2,736)	1:167:A:GLU:HA	1:167:A:GLU:HG3	7	0.25	0.01	0.25
(2,1162)	1:167:A:GLU:HG3	1:167:A:GLU:HA	7	0.25	0.01	0.25
(2,752)	1:61:A:GLU:HA	1:61:A:GLU:HG2	7	0.25	0.03	0.24
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD11	7	0.24	0.11	0.26
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD12	7	0.24	0.11	0.26
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD13	7	0.24	0.11	0.26
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD11	7	0.24	0.11	0.26
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD12	7	0.24	0.11	0.26
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD13	7	0.24	0.11	0.26
(2,3110)	1:95:A:ALA:H	1:128:A:GLU:HG3	7	0.24	0.13	0.19
(2,3715)	1:67:A:ASP:HB3	1:62:A:ALA:H	7	0.23	0.11	0.2
(3,157)	1:78:A:PHE:HD1	1:73:A:LEU:HB3	7	0.22	0.08	0.19
(3,157)	1:78:A:PHE:HD2	1:73:A:LEU:HB3	7	0.22	0.08	0.19
(2,197)	1:41:A:LYS:H	1:40:A:SER:HB2	7	0.17	0.05	0.17
(2,1953)	1:72:A:THR:HG21	1:41:A:LYS:HD2	7	0.17	0.1	0.13
(2,1953)	1:72:A:THR:HG22	1:41:A:LYS:HD2	7	0.17	0.1	0.13
(2,1953)	1:72:A:THR:HG23	1:41:A:LYS:HD2	7	0.17	0.1	0.13
(2,4863)	1:92:A:GLU:HG3	1:92:A:GLU:H	7	0.16	0.04	0.15
(2,4051)	1:38:A:LYS:HB3	1:38:A:LYS:H	7	0.15	0.01	0.15
(2,3879)	1:26:A:LEU:HA	1:26:A:LEU:H	7	0.12	0.02	0.11
(2,5070)	1:133:A:LEU:HB3	1:133:A:LEU:H	7	0.11	0.0	0.11
(2,3493)	1:172:A:GLU:HG2	1:169:A:HIS:HB2	6	1.45	0.38	1.54
(2,2568)	1:168:A:LEU:H	1:82:A:LEU:HD21	6	1.35	0.27	1.47
(2,2568)	1:168:A:LEU:H	1:82:A:LEU:HD22	6	1.35	0.27	1.47
(2,2568)	1:168:A:LEU:H	1:82:A:LEU:HD23	6	1.35	0.27	1.47
(2,492)	1:44:A:LEU:H	1:44:A:LEU:HD11	6	1.25	0.07	1.23
(2,492)	1:44:A:LEU:H	1:44:A:LEU:HD12	6	1.25	0.07	1.23
(2,492)	1:44:A:LEU:H	1:44:A:LEU:HD13	6	1.25	0.07	1.23
(2,3926)	1:44:A:LEU:HD11	1:44:A:LEU:H	6	1.25	0.07	1.23
(2,3926)	1:44:A:LEU:HD12	1:44:A:LEU:H	6	1.25	0.07	1.23
(2,3926)	1:44:A:LEU:HD13	1:44:A:LEU:H	6	1.25	0.07	1.23
(2,2531)	1:50:A:LEU:HD21	1:81:A:LYS:HD2	6	1.22	0.52	1.31
(2,2531)	1:50:A:LEU:HD22	1:81:A:LYS:HD2	6	1.22	0.52	1.31
(2,2531)	1:50:A:LEU:HD23	1:81:A:LYS:HD2	6	1.22	0.52	1.31
(2,2018)	1:7:A:PHE:HD1	1:44:A:LEU:HG	6	1.21	0.43	1.35
(2,2018)	1:7:A:PHE:HD2	1:44:A:LEU:HG	6	1.21	0.43	1.35
(3,441)	1:112:A:ARG:HD3	1:74:A:GLU:H	6	1.14	0.22	1.22
(2,493)	1:69:A:PHE:HZ	1:44:A:LEU:HD11	6	1.11	0.18	1.12
(2,493)	1:69:A:PHE:HZ	1:44:A:LEU:HD12	6	1.11	0.18	1.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,493)	1:69:A:PHE:HZ	1:44:A:LEU:HD13	6	1.11	0.18	1.12
(2,2973)	1:150:A:PRO:HD3	1:144:A:ILE:HG21	6	1.06	0.47	1.32
(2,2973)	1:150:A:PRO:HD3	1:144:A:ILE:HG22	6	1.06	0.47	1.32
(2,2973)	1:150:A:PRO:HD3	1:144:A:ILE:HG23	6	1.06	0.47	1.32
(2,2726)	1:102:A:LEU:HG	1:99:A:CYS:HB2	6	1.01	0.14	1.02
(2,4886)	1:96:A:GLU:HG3	1:96:A:GLU:H	6	0.97	0.02	0.96
(2,2038)	1:52:A:LEU:HD21	1:44:A:LEU:HD21	6	0.96	0.09	0.99
(2,2038)	1:52:A:LEU:HD21	1:44:A:LEU:HD22	6	0.96	0.09	0.99
(2,2038)	1:52:A:LEU:HD21	1:44:A:LEU:HD23	6	0.96	0.09	0.99
(2,2038)	1:52:A:LEU:HD22	1:44:A:LEU:HD21	6	0.96	0.09	0.99
(2,2038)	1:52:A:LEU:HD22	1:44:A:LEU:HD22	6	0.96	0.09	0.99
(2,2038)	1:52:A:LEU:HD22	1:44:A:LEU:HD23	6	0.96	0.09	0.99
(2,2038)	1:52:A:LEU:HD23	1:44:A:LEU:HD21	6	0.96	0.09	0.99
(2,2038)	1:52:A:LEU:HD23	1:44:A:LEU:HD22	6	0.96	0.09	0.99
(2,2038)	1:52:A:LEU:HD23	1:44:A:LEU:HD23	6	0.96	0.09	0.99
(2,2839)	1:107:A:ASP:HA	1:106:A:ARG:HD3	6	0.88	0.19	0.9
(2,2005)	1:44:A:LEU:HD11	1:43:A:ASP:HA	6	0.76	0.13	0.8
(2,2005)	1:44:A:LEU:HD12	1:43:A:ASP:HA	6	0.76	0.13	0.8
(2,2005)	1:44:A:LEU:HD13	1:43:A:ASP:HA	6	0.76	0.13	0.8
(2,2026)	1:43:A:ASP:HB3	1:44:A:LEU:HD11	6	0.76	0.24	0.78
(2,2026)	1:43:A:ASP:HB3	1:44:A:LEU:HD12	6	0.76	0.24	0.78
(2,2026)	1:43:A:ASP:HB3	1:44:A:LEU:HD13	6	0.76	0.24	0.78
(2,5259)	1:163:A:GLN:HG2	1:163:A:GLN:H	6	0.73	0.13	0.77
(2,1826)	1:162:A:LYS:H	1:163:A:GLN:HG2	6	0.63	0.13	0.68
(2,2022)	1:72:A:THR:HG21	1:44:A:LEU:HD11	6	0.62	0.09	0.61
(2,2022)	1:72:A:THR:HG21	1:44:A:LEU:HD12	6	0.62	0.09	0.61
(2,2022)	1:72:A:THR:HG21	1:44:A:LEU:HD13	6	0.62	0.09	0.61
(2,2022)	1:72:A:THR:HG22	1:44:A:LEU:HD11	6	0.62	0.09	0.61
(2,2022)	1:72:A:THR:HG22	1:44:A:LEU:HD12	6	0.62	0.09	0.61
(2,2022)	1:72:A:THR:HG22	1:44:A:LEU:HD13	6	0.62	0.09	0.61
(2,2022)	1:72:A:THR:HG23	1:44:A:LEU:HD11	6	0.62	0.09	0.61
(2,2022)	1:72:A:THR:HG23	1:44:A:LEU:HD12	6	0.62	0.09	0.61
(2,2022)	1:72:A:THR:HG23	1:44:A:LEU:HD13	6	0.62	0.09	0.61
(2,833)	1:21:A:MET:HA	1:24:A:LYS:HG3	6	0.58	0.14	0.52
(2,833)	1:21:A:MET:HA	1:24:A:LYS:HG2	6	0.58	0.14	0.52
(3,394)	1:44:A:LEU:HD11	1:42:A:GLU:H	6	0.55	0.13	0.54
(3,394)	1:44:A:LEU:HD12	1:42:A:GLU:H	6	0.55	0.13	0.54
(3,394)	1:44:A:LEU:HD13	1:42:A:GLU:H	6	0.55	0.13	0.54
(2,3870)	1:81:A:LYS:HG3	1:81:A:LYS:H	6	0.53	0.08	0.56
(2,3853)	1:44:A:LEU:HD11	1:43:A:ASP:H	6	0.53	0.09	0.52
(2,3853)	1:44:A:LEU:HD12	1:43:A:ASP:H	6	0.53	0.09	0.52
(2,3853)	1:44:A:LEU:HD13	1:43:A:ASP:H	6	0.53	0.09	0.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,4806)	1:81:A:LYS:HG2	1:82:A:LEU:H	6	0.51	0.16	0.55
(2,1654)	1:38:A:LYS:HA	1:38:A:LYS:HE3	6	0.5	0.03	0.51
(2,3750)	1:82:A:LEU:HD21	1:83:A:VAL:H	6	0.44	0.31	0.44
(2,3750)	1:82:A:LEU:HD22	1:83:A:VAL:H	6	0.44	0.31	0.44
(2,3750)	1:82:A:LEU:HD23	1:83:A:VAL:H	6	0.44	0.31	0.44
(2,1234)	1:44:A:LEU:HB2	1:44:A:LEU:HD11	6	0.43	0.01	0.43
(2,1234)	1:44:A:LEU:HB2	1:44:A:LEU:HD12	6	0.43	0.01	0.43
(2,1234)	1:44:A:LEU:HB2	1:44:A:LEU:HD13	6	0.43	0.01	0.43
(2,1698)	1:161:A:VAL:HA	1:26:A:LEU:HD11	6	0.42	0.33	0.29
(2,1698)	1:161:A:VAL:HA	1:26:A:LEU:HD12	6	0.42	0.33	0.29
(2,1698)	1:161:A:VAL:HA	1:26:A:LEU:HD13	6	0.42	0.33	0.29
(2,501)	1:78:A:PHE:HE1	1:44:A:LEU:HD21	6	0.41	0.18	0.37
(2,501)	1:78:A:PHE:HE1	1:44:A:LEU:HD22	6	0.41	0.18	0.37
(2,501)	1:78:A:PHE:HE1	1:44:A:LEU:HD23	6	0.41	0.18	0.37
(2,501)	1:78:A:PHE:HE2	1:44:A:LEU:HD21	6	0.41	0.18	0.37
(2,501)	1:78:A:PHE:HE2	1:44:A:LEU:HD22	6	0.41	0.18	0.37
(2,501)	1:78:A:PHE:HE2	1:44:A:LEU:HD23	6	0.41	0.18	0.37
(3,205)	1:110:A:GLU:HG3	1:106:A:ARG:HD3	6	0.38	0.25	0.35
(2,1178)	1:28:A:LYS:HD2	1:28:A:LYS:HA	6	0.38	0.32	0.26
(3,74)	1:29:A:ASP:H	1:28:A:LYS:HE2	6	0.33	0.13	0.32
(2,1900)	1:35:A:ASP:H	1:38:A:LYS:HG2	6	0.33	0.17	0.25
(2,4538)	1:38:A:LYS:HG2	1:35:A:ASP:H	6	0.33	0.17	0.25
(2,570)	1:139:A:PHE:HE1	1:133:A:LEU:HD11	6	0.32	0.13	0.32
(2,570)	1:139:A:PHE:HE1	1:133:A:LEU:HD12	6	0.32	0.13	0.32
(2,570)	1:139:A:PHE:HE1	1:133:A:LEU:HD13	6	0.32	0.13	0.32
(2,570)	1:139:A:PHE:HE2	1:133:A:LEU:HD11	6	0.32	0.13	0.32
(2,570)	1:139:A:PHE:HE2	1:133:A:LEU:HD12	6	0.32	0.13	0.32
(2,570)	1:139:A:PHE:HE2	1:133:A:LEU:HD13	6	0.32	0.13	0.32
(3,519)	1:140:A:VAL:HG21	1:104:A:THR:H	6	0.3	0.31	0.16
(3,519)	1:140:A:VAL:HG22	1:104:A:THR:H	6	0.3	0.31	0.16
(3,519)	1:140:A:VAL:HG23	1:104:A:THR:H	6	0.3	0.31	0.16
(2,1327)	1:2:A:ALA:HA	1:30:A:VAL:HG11	6	0.26	0.16	0.2
(2,1327)	1:2:A:ALA:HA	1:30:A:VAL:HG12	6	0.26	0.16	0.2
(2,1327)	1:2:A:ALA:HA	1:30:A:VAL:HG13	6	0.26	0.16	0.2
(2,1752)	1:6:A:ILE:HD11	1:23:A:GLN:HG2	6	0.26	0.05	0.26
(2,1752)	1:6:A:ILE:HD12	1:23:A:GLN:HG2	6	0.26	0.05	0.26
(2,1752)	1:6:A:ILE:HD13	1:23:A:GLN:HG2	6	0.26	0.05	0.26
(2,3835)	1:155:A:GLU:HG3	1:155:A:GLU:H	6	0.26	0.1	0.22
(2,1096)	1:164:A:ILE:HG21	1:161:A:VAL:HA	6	0.25	0.05	0.28
(2,1096)	1:164:A:ILE:HG22	1:161:A:VAL:HA	6	0.25	0.05	0.28
(2,1096)	1:164:A:ILE:HG23	1:161:A:VAL:HA	6	0.25	0.05	0.28
(2,771)	1:111:A:PRO:HA	1:111:A:PRO:HB2	6	0.22	0.0	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,850)	1:171:A:ASP:HA	1:174:A:LEU:HD21	6	0.21	0.08	0.18
(2,850)	1:171:A:ASP:HA	1:174:A:LEU:HD22	6	0.21	0.08	0.18
(2,850)	1:171:A:ASP:HA	1:174:A:LEU:HD23	6	0.21	0.08	0.18
(2,4543)	1:7:A:PHE:HB2	1:36:A:ILE:H	6	0.19	0.05	0.21
(2,4620)	1:44:A:LEU:HD11	1:46:A:ALA:H	6	0.19	0.1	0.13
(2,4620)	1:44:A:LEU:HD12	1:46:A:ALA:H	6	0.19	0.1	0.13
(2,4620)	1:44:A:LEU:HD13	1:46:A:ALA:H	6	0.19	0.1	0.13
(2,1563)	1:18:A:ILE:HD11	1:21:A:MET:HG3	6	0.18	0.03	0.19
(2,1563)	1:18:A:ILE:HD12	1:21:A:MET:HG3	6	0.18	0.03	0.19
(2,1563)	1:18:A:ILE:HD13	1:21:A:MET:HG3	6	0.18	0.03	0.19
(2,1563)	1:18:A:ILE:HD11	1:21:A:MET:HG2	6	0.18	0.03	0.19
(2,1563)	1:18:A:ILE:HD12	1:21:A:MET:HG2	6	0.18	0.03	0.19
(2,1563)	1:18:A:ILE:HD13	1:21:A:MET:HG2	6	0.18	0.03	0.19
(2,877)	1:162:A:LYS:HA	1:161:A:VAL:HG11	6	0.17	0.02	0.18
(2,877)	1:162:A:LYS:HA	1:161:A:VAL:HG12	6	0.17	0.02	0.18
(2,877)	1:162:A:LYS:HA	1:161:A:VAL:HG13	6	0.17	0.02	0.18
(2,3038)	1:121:A:PRO:HG2	1:120:A:TRP:HA	6	0.14	0.01	0.15
(2,2587)	1:83:A:VAL:HG21	1:84:A:ALA:HA	6	0.13	0.02	0.13
(2,2587)	1:83:A:VAL:HG22	1:84:A:ALA:HA	6	0.13	0.02	0.13
(2,2587)	1:83:A:VAL:HG23	1:84:A:ALA:HA	6	0.13	0.02	0.13
(2,4986)	1:113:A:GLY:HA3	1:113:A:GLY:H	6	0.12	0.01	0.12
(2,4490)	1:174:A:LEU:HD11	1:26:A:LEU:H	5	2.04	1.39	1.56
(2,4490)	1:174:A:LEU:HD12	1:26:A:LEU:H	5	2.04	1.39	1.56
(2,4490)	1:174:A:LEU:HD13	1:26:A:LEU:H	5	2.04	1.39	1.56
(2,164)	1:9:A:GLY:HA2	1:66:A:TRP:HH2	5	1.5	0.05	1.49
(2,1643)	1:44:A:LEU:HD21	1:73:A:LEU:HD21	5	1.26	0.17	1.33
(2,1643)	1:44:A:LEU:HD21	1:73:A:LEU:HD22	5	1.26	0.17	1.33
(2,1643)	1:44:A:LEU:HD21	1:73:A:LEU:HD23	5	1.26	0.17	1.33
(2,1643)	1:44:A:LEU:HD22	1:73:A:LEU:HD21	5	1.26	0.17	1.33
(2,1643)	1:44:A:LEU:HD22	1:73:A:LEU:HD22	5	1.26	0.17	1.33
(2,1643)	1:44:A:LEU:HD22	1:73:A:LEU:HD23	5	1.26	0.17	1.33
(2,1643)	1:44:A:LEU:HD23	1:73:A:LEU:HD21	5	1.26	0.17	1.33
(2,1643)	1:44:A:LEU:HD23	1:73:A:LEU:HD22	5	1.26	0.17	1.33
(2,1643)	1:44:A:LEU:HD23	1:73:A:LEU:HD23	5	1.26	0.17	1.33
(3,149)	1:66:A:TRP:HZ3	1:65:A:ASP:HB2	5	1.22	0.22	1.31
(3,67)	1:25:A:GLN:HE21	1:21:A:MET:HE1	5	1.21	0.68	1.23
(3,67)	1:25:A:GLN:HE21	1:21:A:MET:HE2	5	1.21	0.68	1.23
(3,67)	1:25:A:GLN:HE21	1:21:A:MET:HE3	5	1.21	0.68	1.23
(2,1661)	1:23:A:GLN:HE21	1:28:A:LYS:HE2	5	0.99	0.34	0.87
(2,3480)	1:82:A:LEU:HD21	1:168:A:LEU:HD21	5	0.97	0.39	1.0
(2,3480)	1:82:A:LEU:HD21	1:168:A:LEU:HD22	5	0.97	0.39	1.0
(2,3480)	1:82:A:LEU:HD21	1:168:A:LEU:HD23	5	0.97	0.39	1.0

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3480)	1:82:A:LEU:HD22	1:168:A:LEU:HD21	5	0.97	0.39	1.0
(2,3480)	1:82:A:LEU:HD22	1:168:A:LEU:HD22	5	0.97	0.39	1.0
(2,3480)	1:82:A:LEU:HD22	1:168:A:LEU:HD23	5	0.97	0.39	1.0
(2,3480)	1:82:A:LEU:HD23	1:168:A:LEU:HD21	5	0.97	0.39	1.0
(2,3480)	1:82:A:LEU:HD23	1:168:A:LEU:HD22	5	0.97	0.39	1.0
(2,3480)	1:82:A:LEU:HD23	1:168:A:LEU:HD23	5	0.97	0.39	1.0
(2,5122)	1:140:A:VAL:HG11	1:142:A:LEU:H	5	0.92	0.93	0.2
(2,5122)	1:140:A:VAL:HG12	1:142:A:LEU:H	5	0.92	0.93	0.2
(2,5122)	1:140:A:VAL:HG13	1:142:A:LEU:H	5	0.92	0.93	0.2
(2,5361)	1:52:A:LEU:HD21	1:66:A:TRP:HE1	5	0.92	0.05	0.92
(2,5361)	1:52:A:LEU:HD22	1:66:A:TRP:HE1	5	0.92	0.05	0.92
(2,5361)	1:52:A:LEU:HD23	1:66:A:TRP:HE1	5	0.92	0.05	0.92
(3,611)	1:148:A:ARG:HB2	1:146:A:GLU:H	5	0.87	0.61	0.72
(2,3541)	1:66:A:TRP:HH2	1:8:A:PHE:HB2	5	0.86	0.11	0.91
(2,2845)	1:175:A:ASN:HD21	1:171:A:ASP:HB2	5	0.83	0.06	0.82
(2,4087)	1:171:A:ASP:HB2	1:175:A:ASN:HD21	5	0.83	0.06	0.82
(2,1113)	1:170:A:LEU:HD11	1:4:A:THR:HB	5	0.76	0.31	0.96
(2,1113)	1:170:A:LEU:HD12	1:4:A:THR:HB	5	0.76	0.31	0.96
(2,1113)	1:170:A:LEU:HD13	1:4:A:THR:HB	5	0.76	0.31	0.96
(2,2023)	1:50:A:LEU:HD21	1:44:A:LEU:HD11	5	0.76	0.29	0.79
(2,2023)	1:50:A:LEU:HD21	1:44:A:LEU:HD12	5	0.76	0.29	0.79
(2,2023)	1:50:A:LEU:HD21	1:44:A:LEU:HD13	5	0.76	0.29	0.79
(2,2023)	1:50:A:LEU:HD22	1:44:A:LEU:HD11	5	0.76	0.29	0.79
(2,2023)	1:50:A:LEU:HD22	1:44:A:LEU:HD12	5	0.76	0.29	0.79
(2,2023)	1:50:A:LEU:HD22	1:44:A:LEU:HD13	5	0.76	0.29	0.79
(2,2023)	1:50:A:LEU:HD23	1:44:A:LEU:HD11	5	0.76	0.29	0.79
(2,2023)	1:50:A:LEU:HD23	1:44:A:LEU:HD12	5	0.76	0.29	0.79
(2,2023)	1:50:A:LEU:HD23	1:44:A:LEU:HD13	5	0.76	0.29	0.79
(2,1164)	1:45:A:GLU:HB2	1:42:A:GLU:HA	5	0.7	0.78	0.29
(2,5371)	1:28:A:LYS:HD2	1:23:A:GLN:HE21	5	0.69	0.53	0.55
(2,2040)	1:73:A:LEU:HB2	1:44:A:LEU:HD21	5	0.64	0.44	0.5
(2,2040)	1:73:A:LEU:HB2	1:44:A:LEU:HD22	5	0.64	0.44	0.5
(2,2040)	1:73:A:LEU:HB2	1:44:A:LEU:HD23	5	0.64	0.44	0.5
(2,64)	1:61:A:GLU:HG3	1:58:A:TYR:HD1	5	0.58	0.32	0.5
(2,64)	1:61:A:GLU:HG3	1:58:A:TYR:HD2	5	0.58	0.32	0.5
(3,58)	1:142:A:LEU:HG	1:144:A:ILE:HD11	5	0.58	0.32	0.44
(3,58)	1:142:A:LEU:HG	1:144:A:ILE:HD12	5	0.58	0.32	0.44
(3,58)	1:142:A:LEU:HG	1:144:A:ILE:HD13	5	0.58	0.32	0.44
(2,1981)	1:41:A:LYS:HG2	1:45:A:GLU:HG2	5	0.57	0.57	0.38
(2,2203)	1:4:A:THR:HG21	1:51:A:LEU:HD21	5	0.51	0.47	0.28
(2,2203)	1:4:A:THR:HG21	1:51:A:LEU:HD22	5	0.51	0.47	0.28
(2,2203)	1:4:A:THR:HG21	1:51:A:LEU:HD23	5	0.51	0.47	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2203)	1:4:A:THR:HG22	1:51:A:LEU:HD21	5	0.51	0.47	0.28
(2,2203)	1:4:A:THR:HG22	1:51:A:LEU:HD22	5	0.51	0.47	0.28
(2,2203)	1:4:A:THR:HG22	1:51:A:LEU:HD23	5	0.51	0.47	0.28
(2,2203)	1:4:A:THR:HG23	1:51:A:LEU:HD21	5	0.51	0.47	0.28
(2,2203)	1:4:A:THR:HG23	1:51:A:LEU:HD22	5	0.51	0.47	0.28
(2,2203)	1:4:A:THR:HG23	1:51:A:LEU:HD23	5	0.51	0.47	0.28
(2,1191)	1:133:A:LEU:HD21	1:136:A:ASP:HA	5	0.48	0.22	0.39
(2,1191)	1:133:A:LEU:HD22	1:136:A:ASP:HA	5	0.48	0.22	0.39
(2,1191)	1:133:A:LEU:HD23	1:136:A:ASP:HA	5	0.48	0.22	0.39
(2,4036)	1:112:A:ARG:HB2	1:112:A:ARG:HE	5	0.47	0.03	0.47
(2,4722)	1:65:A:ASP:HB2	1:66:A:TRP:H	5	0.46	0.14	0.51
(2,1239)	1:133:A:LEU:HB3	1:133:A:LEU:HD11	5	0.45	0.0	0.45
(2,1239)	1:133:A:LEU:HB3	1:133:A:LEU:HD12	5	0.45	0.0	0.45
(2,1239)	1:133:A:LEU:HB3	1:133:A:LEU:HD13	5	0.45	0.0	0.45
(2,1945)	1:44:A:LEU:HD11	1:41:A:LYS:HA	5	0.45	0.26	0.31
(2,1945)	1:44:A:LEU:HD12	1:41:A:LYS:HA	5	0.45	0.26	0.31
(2,1945)	1:44:A:LEU:HD13	1:41:A:LYS:HA	5	0.45	0.26	0.31
(2,3828)	1:151:A:GLU:HG2	1:152:A:LEU:H	5	0.43	0.18	0.44
(2,496)	1:49:A:ILE:H	1:50:A:LEU:HD11	5	0.41	0.09	0.38
(2,496)	1:49:A:ILE:H	1:50:A:LEU:HD12	5	0.41	0.09	0.38
(2,496)	1:49:A:ILE:H	1:50:A:LEU:HD13	5	0.41	0.09	0.38
(2,4640)	1:50:A:LEU:HD11	1:49:A:ILE:H	5	0.41	0.09	0.38
(2,4640)	1:50:A:LEU:HD12	1:49:A:ILE:H	5	0.41	0.09	0.38
(2,4640)	1:50:A:LEU:HD13	1:49:A:ILE:H	5	0.41	0.09	0.38
(2,2297)	1:58:A:TYR:HB3	1:61:A:GLU:HG3	5	0.4	0.3	0.32
(2,2297)	1:58:A:TYR:HB3	1:61:A:GLU:HG2	5	0.4	0.3	0.32
(3,119)	1:41:A:LYS:HB2	1:44:A:LEU:HD21	5	0.35	0.19	0.26
(3,119)	1:41:A:LYS:HB2	1:44:A:LEU:HD22	5	0.35	0.19	0.26
(3,119)	1:41:A:LYS:HB2	1:44:A:LEU:HD23	5	0.35	0.19	0.26
(2,3412)	1:22:A:ILE:HA	1:161:A:VAL:HG11	5	0.34	0.07	0.35
(2,3412)	1:22:A:ILE:HA	1:161:A:VAL:HG12	5	0.34	0.07	0.35
(2,3412)	1:22:A:ILE:HA	1:161:A:VAL:HG13	5	0.34	0.07	0.35
(2,2894)	1:73:A:LEU:HD11	1:109:A:ILE:HA	5	0.3	0.15	0.33
(2,2894)	1:73:A:LEU:HD12	1:109:A:ILE:HA	5	0.3	0.15	0.33
(2,2894)	1:73:A:LEU:HD13	1:109:A:ILE:HA	5	0.3	0.15	0.33
(2,1537)	1:75:A:GLU:H	1:41:A:LYS:HE3	5	0.3	0.08	0.32
(2,2030)	1:45:A:GLU:H	1:44:A:LEU:HD11	5	0.29	0.03	0.28
(2,2030)	1:45:A:GLU:H	1:44:A:LEU:HD12	5	0.29	0.03	0.28
(2,2030)	1:45:A:GLU:H	1:44:A:LEU:HD13	5	0.29	0.03	0.28
(2,2548)	1:117:A:VAL:HG11	1:82:A:LEU:HB2	5	0.29	0.14	0.28
(2,2548)	1:117:A:VAL:HG12	1:82:A:LEU:HB2	5	0.29	0.14	0.28
(2,2548)	1:117:A:VAL:HG13	1:82:A:LEU:HB2	5	0.29	0.14	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,4613)	1:44:A:LEU:HD11	1:45:A:GLU:H	5	0.29	0.03	0.28
(2,4613)	1:44:A:LEU:HD12	1:45:A:GLU:H	5	0.29	0.03	0.28
(2,4613)	1:44:A:LEU:HD13	1:45:A:GLU:H	5	0.29	0.03	0.28
(2,1519)	1:7:A:PHE:HD1	1:50:A:LEU:HD11	5	0.25	0.13	0.21
(2,1519)	1:7:A:PHE:HD1	1:50:A:LEU:HD12	5	0.25	0.13	0.21
(2,1519)	1:7:A:PHE:HD1	1:50:A:LEU:HD13	5	0.25	0.13	0.21
(2,1519)	1:7:A:PHE:HD2	1:50:A:LEU:HD11	5	0.25	0.13	0.21
(2,1519)	1:7:A:PHE:HD2	1:50:A:LEU:HD12	5	0.25	0.13	0.21
(2,1519)	1:7:A:PHE:HD2	1:50:A:LEU:HD13	5	0.25	0.13	0.21
(2,1884)	1:65:A:ASP:HB2	1:37:A:ALA:HA	5	0.24	0.07	0.21
(2,2330)	1:37:A:ALA:HA	1:65:A:ASP:HB2	5	0.24	0.07	0.21
(2,1163)	1:162:A:LYS:HD2	1:159:A:LYS:HA	5	0.23	0.09	0.2
(3,564)	1:133:A:LEU:HD11	1:122:A:THR:H	5	0.19	0.07	0.2
(3,564)	1:133:A:LEU:HD12	1:122:A:THR:H	5	0.19	0.07	0.2
(3,564)	1:133:A:LEU:HD13	1:122:A:THR:H	5	0.19	0.07	0.2
(2,5266)	1:118:A:GLY:HA3	1:164:A:ILE:H	5	0.19	0.08	0.15
(2,2905)	1:52:A:LEU:HB3	1:109:A:ILE:HD11	5	0.18	0.09	0.12
(2,2905)	1:52:A:LEU:HB3	1:109:A:ILE:HD12	5	0.18	0.09	0.12
(2,2905)	1:52:A:LEU:HB3	1:109:A:ILE:HD13	5	0.18	0.09	0.12
(2,4934)	1:105:A:ILE:HG12	1:104:A:THR:H	5	0.17	0.06	0.15
(2,512)	1:69:A:PHE:HE1	1:73:A:LEU:HD21	5	0.16	0.05	0.15
(2,512)	1:69:A:PHE:HE1	1:73:A:LEU:HD22	5	0.16	0.05	0.15
(2,512)	1:69:A:PHE:HE1	1:73:A:LEU:HD23	5	0.16	0.05	0.15
(2,512)	1:69:A:PHE:HE2	1:73:A:LEU:HD21	5	0.16	0.05	0.15
(2,512)	1:69:A:PHE:HE2	1:73:A:LEU:HD22	5	0.16	0.05	0.15
(2,512)	1:69:A:PHE:HE2	1:73:A:LEU:HD23	5	0.16	0.05	0.15
(2,3781)	1:114:A:ALA:HB1	1:115:A:THR:H	5	0.15	0.02	0.16
(2,3781)	1:114:A:ALA:HB2	1:115:A:THR:H	5	0.15	0.02	0.16
(2,3781)	1:114:A:ALA:HB3	1:115:A:THR:H	5	0.15	0.02	0.16
(2,5347)	1:171:A:ASP:HA	1:175:A:ASN:HD21	5	0.15	0.04	0.13
(2,3039)	1:121:A:PRO:HB3	1:120:A:TRP:HA	5	0.14	0.02	0.13
(2,1167)	1:167:A:GLU:HG2	1:167:A:GLU:HA	5	0.13	0.01	0.13
(2,258)	1:172:A:GLU:H	1:171:A:ASP:HA	5	0.11	0.01	0.11
(2,3874)	1:171:A:ASP:HA	1:172:A:GLU:H	5	0.11	0.01	0.11
(2,1453)	1:20:A:LYS:HE2	1:16:A:GLU:HG2	4	1.72	0.67	1.86
(2,4482)	1:161:A:VAL:HB	1:25:A:GLN:HE22	4	1.58	0.23	1.68
(2,1929)	1:82:A:LEU:HG	1:81:A:LYS:HA	4	1.24	0.39	1.42
(2,3005)	1:106:A:ARG:HG3	1:116:A:ILE:HD11	4	1.08	0.38	0.96
(2,3005)	1:106:A:ARG:HG3	1:116:A:ILE:HD12	4	1.08	0.38	0.96
(2,3005)	1:106:A:ARG:HG3	1:116:A:ILE:HD13	4	1.08	0.38	0.96
(2,3385)	1:21:A:MET:HE1	1:157:A:VAL:HG21	4	1.05	0.14	1.04
(2,3385)	1:21:A:MET:HE1	1:157:A:VAL:HG22	4	1.05	0.14	1.04

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3385)	1:21:A:MET:HE1	1:157:A:VAL:HG23	4	1.05	0.14	1.04
(2,3385)	1:21:A:MET:HE2	1:157:A:VAL:HG21	4	1.05	0.14	1.04
(2,3385)	1:21:A:MET:HE2	1:157:A:VAL:HG22	4	1.05	0.14	1.04
(2,3385)	1:21:A:MET:HE2	1:157:A:VAL:HG23	4	1.05	0.14	1.04
(2,3385)	1:21:A:MET:HE3	1:157:A:VAL:HG21	4	1.05	0.14	1.04
(2,3385)	1:21:A:MET:HE3	1:157:A:VAL:HG22	4	1.05	0.14	1.04
(2,3385)	1:21:A:MET:HE3	1:157:A:VAL:HG23	4	1.05	0.14	1.04
(3,59)	1:157:A:VAL:H	1:144:A:ILE:HD11	4	0.85	0.48	0.7
(3,59)	1:157:A:VAL:H	1:144:A:ILE:HD12	4	0.85	0.48	0.7
(3,59)	1:157:A:VAL:H	1:144:A:ILE:HD13	4	0.85	0.48	0.7
(2,400)	1:79:A:ASN:H	1:79:A:ASN:HB2	4	0.84	0.01	0.84
(2,2514)	1:80:A:GLY:HA2	1:79:A:ASN:HB3	4	0.84	0.02	0.83
(2,2035)	1:40:A:SER:H	1:44:A:LEU:HD11	4	0.82	0.44	0.78
(2,2035)	1:40:A:SER:H	1:44:A:LEU:HD12	4	0.82	0.44	0.78
(2,2035)	1:40:A:SER:H	1:44:A:LEU:HD13	4	0.82	0.44	0.78
(2,4576)	1:44:A:LEU:HD11	1:40:A:SER:H	4	0.82	0.44	0.78
(2,4576)	1:44:A:LEU:HD12	1:40:A:SER:H	4	0.82	0.44	0.78
(2,4576)	1:44:A:LEU:HD13	1:40:A:SER:H	4	0.82	0.44	0.78
(2,4942)	1:85:A:LEU:HD11	1:106:A:ARG:H	4	0.82	0.39	0.82
(2,4942)	1:85:A:LEU:HD12	1:106:A:ARG:H	4	0.82	0.39	0.82
(2,4942)	1:85:A:LEU:HD13	1:106:A:ARG:H	4	0.82	0.39	0.82
(2,3482)	1:82:A:LEU:HB2	1:168:A:LEU:HD21	4	0.8	0.4	0.86
(2,3482)	1:82:A:LEU:HB2	1:168:A:LEU:HD22	4	0.8	0.4	0.86
(2,3482)	1:82:A:LEU:HB2	1:168:A:LEU:HD23	4	0.8	0.4	0.86
(2,1532)	1:97:A:TYR:HE1	1:96:A:GLU:HB3	4	0.79	0.1	0.76
(2,1532)	1:97:A:TYR:HE2	1:96:A:GLU:HB3	4	0.79	0.1	0.76
(3,544)	1:112:A:ARG:HG3	1:110:A:GLU:H	4	0.77	0.07	0.8
(2,47)	1:94:A:TYR:HD1	2:201:A:FMN:H6	4	0.75	0.39	0.6
(3,307)	1:30:A:VAL:H	1:173:A:ILE:HG21	4	0.71	0.41	0.74
(3,307)	1:30:A:VAL:H	1:173:A:ILE:HG22	4	0.71	0.41	0.74
(3,307)	1:30:A:VAL:H	1:173:A:ILE:HG23	4	0.71	0.41	0.74
(3,689)	1:125:A:TYR:HD1	1:91:A:GLN:HE22	4	0.66	0.34	0.66
(3,689)	1:125:A:TYR:HD2	1:91:A:GLN:HE22	4	0.66	0.34	0.66
(2,4842)	1:113:A:GLY:HA3	1:79:A:ASN:HD22	4	0.65	0.08	0.68
(2,4842)	1:113:A:GLY:HA2	1:79:A:ASN:HD22	4	0.65	0.08	0.68
(3,534)	1:116:A:ILE:HG12	1:106:A:ARG:HE	4	0.65	0.18	0.74
(2,4610)	1:45:A:GLU:HG3	1:45:A:GLU:H	4	0.62	0.07	0.64
(3,66)	1:17:A:ASN:H	1:21:A:MET:HE1	4	0.61	0.32	0.7
(3,66)	1:17:A:ASN:H	1:21:A:MET:HE2	4	0.61	0.32	0.7
(3,66)	1:17:A:ASN:H	1:21:A:MET:HE3	4	0.61	0.32	0.7
(2,4075)	1:112:A:ARG:HG2	1:112:A:ARG:H	4	0.55	0.09	0.54
(2,4075)	1:112:A:ARG:HG3	1:112:A:ARG:H	4	0.55	0.09	0.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3119)	1:149:A:GLN:HG3	1:148:A:ARG:HA	4	0.53	0.31	0.55
(3,491)	1:91:A:GLN:HG2	1:94:A:TYR:H	4	0.49	0.27	0.48
(2,4002)	1:75:A:GLU:HG3	1:75:A:GLU:H	4	0.48	0.03	0.5
(3,276)	1:157:A:VAL:H	1:152:A:LEU:HB2	4	0.48	0.25	0.54
(2,4739)	1:66:A:TRP:HB3	1:70:A:PHE:H	4	0.47	0.14	0.5
(2,2880)	1:112:A:ARG:HG3	1:108:A:ILE:HG21	4	0.46	0.13	0.44
(2,2880)	1:112:A:ARG:HG3	1:108:A:ILE:HG22	4	0.46	0.13	0.44
(2,2880)	1:112:A:ARG:HG3	1:108:A:ILE:HG23	4	0.46	0.13	0.44
(3,477)	1:113:A:GLY:H	1:79:A:ASN:HD21	4	0.43	0.03	0.42
(2,135)	1:142:A:LEU:HD11	1:120:A:TRP:HD1	4	0.4	0.24	0.35
(2,135)	1:142:A:LEU:HD12	1:120:A:TRP:HD1	4	0.4	0.24	0.35
(2,135)	1:142:A:LEU:HD13	1:120:A:TRP:HD1	4	0.4	0.24	0.35
(2,5072)	1:130:A:SER:HB2	1:133:A:LEU:H	4	0.38	0.2	0.4
(2,2620)	1:102:A:LEU:HD11	1:86:A:PHE:HA	4	0.36	0.17	0.4
(2,2620)	1:102:A:LEU:HD12	1:86:A:PHE:HA	4	0.36	0.17	0.4
(2,2620)	1:102:A:LEU:HD13	1:86:A:PHE:HA	4	0.36	0.17	0.4
(2,3055)	1:160:A:TRP:HD1	1:121:A:PRO:HD2	4	0.34	0.22	0.26
(2,2704)	1:96:A:GLU:HG2	1:96:A:GLU:HA	4	0.29	0.01	0.29
(2,5322)	1:169:A:HIS:HB2	1:171:A:ASP:H	4	0.28	0.09	0.27
(2,3232)	1:161:A:VAL:H	1:142:A:LEU:HG	4	0.25	0.11	0.2
(2,1321)	1:49:A:ILE:HG12	1:4:A:THR:HG21	4	0.23	0.06	0.21
(2,1321)	1:49:A:ILE:HG12	1:4:A:THR:HG22	4	0.23	0.06	0.21
(2,1321)	1:49:A:ILE:HG12	1:4:A:THR:HG23	4	0.23	0.06	0.21
(2,5052)	1:96:A:GLU:HG2	1:129:A:ALA:H	4	0.22	0.08	0.23
(2,1227)	1:24:A:LYS:HG2	1:24:A:LYS:HE2	4	0.21	0.02	0.22
(2,1636)	1:24:A:LYS:HE2	1:24:A:LYS:HG2	4	0.21	0.02	0.22
(3,43)	1:50:A:LEU:HD11	1:5:A:GLY:HA2	4	0.21	0.08	0.2
(3,43)	1:50:A:LEU:HD12	1:5:A:GLY:HA2	4	0.21	0.08	0.2
(3,43)	1:50:A:LEU:HD13	1:5:A:GLY:HA2	4	0.21	0.08	0.2
(3,193)	1:54:A:ILE:HD11	1:102:A:LEU:HB3	4	0.21	0.1	0.18
(3,193)	1:54:A:ILE:HD12	1:102:A:LEU:HB3	4	0.21	0.1	0.18
(3,193)	1:54:A:ILE:HD13	1:102:A:LEU:HB3	4	0.21	0.1	0.18
(2,1520)	1:78:A:PHE:HD1	1:81:A:LYS:HG3	4	0.2	0.06	0.2
(2,1520)	1:78:A:PHE:HD2	1:81:A:LYS:HG3	4	0.2	0.06	0.2
(2,2771)	1:54:A:ILE:H	1:102:A:LEU:HD21	4	0.18	0.04	0.16
(2,2771)	1:54:A:ILE:H	1:102:A:LEU:HD22	4	0.18	0.04	0.16
(2,2771)	1:54:A:ILE:H	1:102:A:LEU:HD23	4	0.18	0.04	0.16
(2,4856)	1:91:A:GLN:HG2	1:91:A:GLN:H	4	0.18	0.06	0.15
(2,3138)	1:91:A:GLN:H	1:91:A:GLN:HG3	4	0.18	0.04	0.16
(2,1697)	1:25:A:GLN:HB2	1:26:A:LEU:HD11	4	0.16	0.04	0.15
(2,1697)	1:25:A:GLN:HB2	1:26:A:LEU:HD12	4	0.16	0.04	0.15
(2,1697)	1:25:A:GLN:HB2	1:26:A:LEU:HD13	4	0.16	0.04	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1697)	1:25:A:GLN:HB3	1:26:A:LEU:HD11	4	0.16	0.04	0.15
(2,1697)	1:25:A:GLN:HB3	1:26:A:LEU:HD12	4	0.16	0.04	0.15
(2,1697)	1:25:A:GLN:HB3	1:26:A:LEU:HD13	4	0.16	0.04	0.15
(2,4974)	1:74:A:GLU:H	1:112:A:ARG:HE	4	0.15	0.03	0.15
(2,5290)	1:168:A:LEU:HD21	1:167:A:GLU:H	4	0.14	0.04	0.13
(2,5290)	1:168:A:LEU:HD22	1:167:A:GLU:H	4	0.14	0.04	0.13
(2,5290)	1:168:A:LEU:HD23	1:167:A:GLU:H	4	0.14	0.04	0.13
(2,917)	1:4:A:THR:HB	1:49:A:ILE:HG21	4	0.14	0.03	0.12
(2,917)	1:4:A:THR:HB	1:49:A:ILE:HG22	4	0.14	0.03	0.12
(2,917)	1:4:A:THR:HB	1:49:A:ILE:HG23	4	0.14	0.03	0.12
(2,1813)	1:32:A:ASP:HB2	1:33:A:VAL:HG21	4	0.13	0.01	0.14
(2,1813)	1:32:A:ASP:HB2	1:33:A:VAL:HG22	4	0.13	0.01	0.14
(2,1813)	1:32:A:ASP:HB2	1:33:A:VAL:HG23	4	0.13	0.01	0.14
(2,2167)	1:50:A:LEU:HA	1:51:A:LEU:HB3	4	0.13	0.01	0.13
(2,3796)	1:16:A:GLU:HB2	1:16:A:GLU:H	4	0.12	0.01	0.13
(2,3932)	1:91:A:GLN:HB2	1:92:A:GLU:H	4	0.12	0.01	0.12
(2,2968)	1:79:A:ASN:H	1:113:A:GLY:HA3	4	0.12	0.01	0.12
(2,1225)	1:162:A:LYS:HG3	1:162:A:LYS:HE2	4	0.11	0.01	0.11
(2,1637)	1:162:A:LYS:HE2	1:162:A:LYS:HG3	4	0.11	0.01	0.11
(2,3687)	1:161:A:VAL:HB	1:162:A:LYS:H	4	0.11	0.0	0.11
(2,831)	1:26:A:LEU:HA	1:174:A:LEU:HD11	3	2.13	0.98	2.14
(2,831)	1:26:A:LEU:HA	1:174:A:LEU:HD12	3	2.13	0.98	2.14
(2,831)	1:26:A:LEU:HA	1:174:A:LEU:HD13	3	2.13	0.98	2.14
(2,3374)	1:21:A:MET:H	1:157:A:VAL:HG11	3	1.13	0.34	1.35
(2,3374)	1:21:A:MET:H	1:157:A:VAL:HG12	3	1.13	0.34	1.35
(2,3374)	1:21:A:MET:H	1:157:A:VAL:HG13	3	1.13	0.34	1.35
(2,4449)	1:157:A:VAL:HG11	1:21:A:MET:H	3	1.13	0.34	1.35
(2,4449)	1:157:A:VAL:HG12	1:21:A:MET:H	3	1.13	0.34	1.35
(2,4449)	1:157:A:VAL:HG13	1:21:A:MET:H	3	1.13	0.34	1.35
(3,78)	1:174:A:LEU:HB2	1:27:A:GLY:HA3	3	0.95	0.48	1.11
(2,3376)	1:21:A:MET:HG3	1:157:A:VAL:HG11	3	0.92	0.29	1.03
(2,3376)	1:21:A:MET:HG3	1:157:A:VAL:HG12	3	0.92	0.29	1.03
(2,3376)	1:21:A:MET:HG3	1:157:A:VAL:HG13	3	0.92	0.29	1.03
(2,5090)	1:138:A:HIS:HB2	1:137:A:ASP:H	3	0.83	0.01	0.84
(2,445)	1:28:A:LYS:H	1:28:A:LYS:HB2	3	0.8	0.01	0.8
(2,3628)	1:28:A:LYS:HB2	1:28:A:LYS:H	3	0.8	0.01	0.8
(2,3182)	1:138:A:HIS:HB3	1:134:A:ALA:HB1	3	0.77	0.09	0.75
(2,3182)	1:138:A:HIS:HB3	1:134:A:ALA:HB2	3	0.77	0.09	0.75
(2,3182)	1:138:A:HIS:HB3	1:134:A:ALA:HB3	3	0.77	0.09	0.75
(3,488)	1:148:A:ARG:HD2	1:93:A:ASP:H	3	0.7	0.25	0.71
(2,155)	1:12:A:THR:HB	1:57:A:TRP:HZ2	3	0.66	0.09	0.71
(2,5137)	1:142:A:LEU:HD11	1:143:A:ALA:H	3	0.56	0.38	0.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,5137)	1:142:A:LEU:HD12	1:143:A:ALA:H	3	0.56	0.38	0.54
(2,5137)	1:142:A:LEU:HD13	1:143:A:ALA:H	3	0.56	0.38	0.54
(2,3427)	1:159:A:LYS:HG3	1:159:A:LYS:HE2	3	0.56	0.01	0.56
(2,3427)	1:159:A:LYS:HG2	1:159:A:LYS:HE2	3	0.56	0.01	0.56
(2,1772)	1:157:A:VAL:H	1:153:A:THR:HG21	3	0.52	0.27	0.34
(2,1772)	1:157:A:VAL:H	1:153:A:THR:HG22	3	0.52	0.27	0.34
(2,1772)	1:157:A:VAL:H	1:153:A:THR:HG23	3	0.52	0.27	0.34
(2,1724)	1:29:A:ASP:HA	1:28:A:LYS:HG3	3	0.52	0.3	0.53
(2,1689)	1:30:A:VAL:HG11	1:26:A:LEU:HG	3	0.52	0.08	0.49
(2,1689)	1:30:A:VAL:HG12	1:26:A:LEU:HG	3	0.52	0.08	0.49
(2,1689)	1:30:A:VAL:HG13	1:26:A:LEU:HG	3	0.52	0.08	0.49
(2,5285)	1:164:A:ILE:HG12	1:166:A:GLU:H	3	0.51	0.19	0.58
(2,3070)	1:130:A:SER:HB2	1:122:A:THR:HG21	3	0.5	0.21	0.53
(2,3070)	1:130:A:SER:HB2	1:122:A:THR:HG22	3	0.5	0.21	0.53
(2,3070)	1:130:A:SER:HB2	1:122:A:THR:HG23	3	0.5	0.21	0.53
(2,2348)	1:70:A:PHE:HE1	1:66:A:TRP:HB2	3	0.45	0.18	0.43
(2,2348)	1:70:A:PHE:HE2	1:66:A:TRP:HB2	3	0.45	0.18	0.43
(2,849)	1:115:A:THR:HA	1:82:A:LEU:HD21	3	0.43	0.01	0.44
(2,849)	1:115:A:THR:HA	1:82:A:LEU:HD22	3	0.43	0.01	0.44
(2,849)	1:115:A:THR:HA	1:82:A:LEU:HD23	3	0.43	0.01	0.44
(2,2982)	1:82:A:LEU:HD21	1:115:A:THR:HA	3	0.43	0.01	0.44
(2,2982)	1:82:A:LEU:HD22	1:115:A:THR:HA	3	0.43	0.01	0.44
(2,2982)	1:82:A:LEU:HD23	1:115:A:THR:HA	3	0.43	0.01	0.44
(3,400)	1:3:A:ILE:HG12	1:48:A:ASP:H	3	0.41	0.12	0.44
(2,2799)	1:85:A:LEU:HD11	1:105:A:ILE:HB	3	0.4	0.14	0.49
(2,2799)	1:85:A:LEU:HD12	1:105:A:ILE:HB	3	0.4	0.14	0.49
(2,2799)	1:85:A:LEU:HD13	1:105:A:ILE:HB	3	0.4	0.14	0.49
(2,2871)	1:74:A:GLU:HB2	1:108:A:ILE:HD11	3	0.38	0.25	0.24
(2,2871)	1:74:A:GLU:HB2	1:108:A:ILE:HD12	3	0.38	0.25	0.24
(2,2871)	1:74:A:GLU:HB2	1:108:A:ILE:HD13	3	0.38	0.25	0.24
(2,2670)	1:148:A:ARG:HD2	1:92:A:GLU:HB2	3	0.37	0.19	0.46
(3,575)	1:96:A:GLU:HB2	1:128:A:GLU:H	3	0.35	0.12	0.35
(2,858)	1:26:A:LEU:HA	1:26:A:LEU:HD11	3	0.34	0.01	0.34
(2,858)	1:26:A:LEU:HA	1:26:A:LEU:HD12	3	0.34	0.01	0.34
(2,858)	1:26:A:LEU:HA	1:26:A:LEU:HD13	3	0.34	0.01	0.34
(2,1133)	1:26:A:LEU:HD11	1:26:A:LEU:HA	3	0.34	0.01	0.34
(2,1133)	1:26:A:LEU:HD12	1:26:A:LEU:HA	3	0.34	0.01	0.34
(2,1133)	1:26:A:LEU:HD13	1:26:A:LEU:HA	3	0.34	0.01	0.34
(2,3129)	1:133:A:LEU:H	1:130:A:SER:HB3	3	0.31	0.21	0.18
(2,5069)	1:130:A:SER:HB3	1:133:A:LEU:H	3	0.31	0.21	0.18
(2,2560)	1:168:A:LEU:HD21	1:82:A:LEU:HD11	3	0.28	0.06	0.24
(2,2560)	1:168:A:LEU:HD21	1:82:A:LEU:HD12	3	0.28	0.06	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2560)	1:168:A:LEU:HD21	1:82:A:LEU:HD13	3	0.28	0.06	0.24
(2,2560)	1:168:A:LEU:HD22	1:82:A:LEU:HD11	3	0.28	0.06	0.24
(2,2560)	1:168:A:LEU:HD22	1:82:A:LEU:HD12	3	0.28	0.06	0.24
(2,2560)	1:168:A:LEU:HD22	1:82:A:LEU:HD13	3	0.28	0.06	0.24
(2,2560)	1:168:A:LEU:HD23	1:82:A:LEU:HD11	3	0.28	0.06	0.24
(2,2560)	1:168:A:LEU:HD23	1:82:A:LEU:HD12	3	0.28	0.06	0.24
(2,2560)	1:168:A:LEU:HD23	1:82:A:LEU:HD13	3	0.28	0.06	0.24
(2,3212)	1:106:A:ARG:HG2	1:140:A:VAL:HG11	3	0.27	0.09	0.33
(2,3212)	1:106:A:ARG:HG2	1:140:A:VAL:HG12	3	0.27	0.09	0.33
(2,3212)	1:106:A:ARG:HG2	1:140:A:VAL:HG13	3	0.27	0.09	0.33
(2,966)	1:156:A:ARG:HB2	1:142:A:LEU:HD11	3	0.27	0.04	0.26
(2,966)	1:156:A:ARG:HB2	1:142:A:LEU:HD12	3	0.27	0.04	0.26
(2,966)	1:156:A:ARG:HB2	1:142:A:LEU:HD13	3	0.27	0.04	0.26
(2,3357)	1:142:A:LEU:HD11	1:160:A:TRP:HB2	3	0.26	0.06	0.26
(2,3357)	1:142:A:LEU:HD12	1:160:A:TRP:HB2	3	0.26	0.06	0.26
(2,3357)	1:142:A:LEU:HD13	1:160:A:TRP:HB2	3	0.26	0.06	0.26
(2,5200)	1:155:A:GLU:HG2	1:155:A:GLU:H	3	0.26	0.01	0.26
(3,145)	1:102:A:LEU:HD11	1:54:A:ILE:HB	3	0.26	0.15	0.18
(3,145)	1:102:A:LEU:HD12	1:54:A:ILE:HB	3	0.26	0.15	0.18
(3,145)	1:102:A:LEU:HD13	1:54:A:ILE:HB	3	0.26	0.15	0.18
(3,174)	1:55:A:PRO:HB2	1:87:A:GLY:HA3	3	0.26	0.13	0.22
(2,705)	1:70:A:PHE:HE1	1:105:A:ILE:HD11	3	0.25	0.05	0.22
(2,705)	1:70:A:PHE:HE1	1:105:A:ILE:HD12	3	0.25	0.05	0.22
(2,705)	1:70:A:PHE:HE1	1:105:A:ILE:HD13	3	0.25	0.05	0.22
(2,705)	1:70:A:PHE:HE2	1:105:A:ILE:HD11	3	0.25	0.05	0.22
(2,705)	1:70:A:PHE:HE2	1:105:A:ILE:HD12	3	0.25	0.05	0.22
(2,705)	1:70:A:PHE:HE2	1:105:A:ILE:HD13	3	0.25	0.05	0.22
(2,1729)	1:28:A:LYS:HD2	1:28:A:LYS:HG3	3	0.25	0.01	0.25
(2,2995)	1:82:A:LEU:HD21	1:115:A:THR:HG21	3	0.25	0.05	0.23
(2,2995)	1:82:A:LEU:HD21	1:115:A:THR:HG22	3	0.25	0.05	0.23
(2,2995)	1:82:A:LEU:HD21	1:115:A:THR:HG23	3	0.25	0.05	0.23
(2,2995)	1:82:A:LEU:HD22	1:115:A:THR:HG21	3	0.25	0.05	0.23
(2,2995)	1:82:A:LEU:HD22	1:115:A:THR:HG22	3	0.25	0.05	0.23
(2,2995)	1:82:A:LEU:HD22	1:115:A:THR:HG23	3	0.25	0.05	0.23
(2,2995)	1:82:A:LEU:HD23	1:115:A:THR:HG21	3	0.25	0.05	0.23
(2,2995)	1:82:A:LEU:HD23	1:115:A:THR:HG22	3	0.25	0.05	0.23
(2,2995)	1:82:A:LEU:HD23	1:115:A:THR:HG23	3	0.25	0.05	0.23
(2,2582)	1:109:A:ILE:HG12	1:83:A:VAL:HB	3	0.23	0.07	0.27
(2,1521)	1:5:A:GLY:H	1:50:A:LEU:HD11	3	0.21	0.05	0.22
(2,1521)	1:5:A:GLY:H	1:50:A:LEU:HD12	3	0.21	0.05	0.22
(2,1521)	1:5:A:GLY:H	1:50:A:LEU:HD13	3	0.21	0.05	0.22
(2,1706)	1:158:A:GLU:H	1:155:A:GLU:HA	3	0.21	0.09	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2638)	1:87:A:GLY:HA2	1:88:A:CYS:HB2	3	0.21	0.02	0.2
(3,6)	1:159:A:LYS:HG3	1:120:A:TRP:HZ2	3	0.21	0.08	0.25
(2,4719)	1:9:A:GLY:HA3	1:66:A:TRP:H	3	0.21	0.09	0.15
(2,2251)	1:101:A:ALA:HB1	1:54:A:ILE:HG21	3	0.2	0.09	0.14
(2,2251)	1:101:A:ALA:HB1	1:54:A:ILE:HG22	3	0.2	0.09	0.14
(2,2251)	1:101:A:ALA:HB1	1:54:A:ILE:HG23	3	0.2	0.09	0.14
(2,2251)	1:101:A:ALA:HB2	1:54:A:ILE:HG21	3	0.2	0.09	0.14
(2,2251)	1:101:A:ALA:HB2	1:54:A:ILE:HG22	3	0.2	0.09	0.14
(2,2251)	1:101:A:ALA:HB2	1:54:A:ILE:HG23	3	0.2	0.09	0.14
(2,2251)	1:101:A:ALA:HB3	1:54:A:ILE:HG21	3	0.2	0.09	0.14
(2,2251)	1:101:A:ALA:HB3	1:54:A:ILE:HG22	3	0.2	0.09	0.14
(2,2251)	1:101:A:ALA:HB3	1:54:A:ILE:HG23	3	0.2	0.09	0.14
(2,5349)	1:174:A:LEU:HG	1:175:A:ASN:HD21	3	0.2	0.06	0.22
(2,5054)	1:96:A:GLU:HB2	1:129:A:ALA:H	3	0.19	0.04	0.22
(2,2904)	1:116:A:ILE:HG12	1:109:A:ILE:HD11	3	0.17	0.02	0.18
(2,2904)	1:116:A:ILE:HG12	1:109:A:ILE:HD12	3	0.17	0.02	0.18
(2,2904)	1:116:A:ILE:HG12	1:109:A:ILE:HD13	3	0.17	0.02	0.18
(2,5283)	1:167:A:GLU:HG3	1:166:A:GLU:H	3	0.17	0.04	0.17
(2,1281)	1:2:A:ALA:HA	1:3:A:ILE:HD11	3	0.16	0.03	0.18
(2,1281)	1:2:A:ALA:HA	1:3:A:ILE:HD12	3	0.16	0.03	0.18
(2,1281)	1:2:A:ALA:HA	1:3:A:ILE:HD13	3	0.16	0.03	0.18
(2,5066)	1:133:A:LEU:HD21	1:132:A:GLY:H	3	0.16	0.06	0.13
(2,5066)	1:133:A:LEU:HD22	1:132:A:GLY:H	3	0.16	0.06	0.13
(2,5066)	1:133:A:LEU:HD23	1:132:A:GLY:H	3	0.16	0.06	0.13
(2,2402)	1:68:A:ASP:HA	1:71:A:PRO:HD3	3	0.16	0.03	0.16
(2,5031)	1:123:A:ALA:H	1:125:A:TYR:H	3	0.14	0.01	0.14
(2,2590)	1:85:A:LEU:HB2	1:84:A:ALA:HA	3	0.14	0.02	0.13
(2,3975)	1:174:A:LEU:HD11	1:171:A:ASP:H	3	0.14	0.02	0.13
(2,3975)	1:174:A:LEU:HD12	1:171:A:ASP:H	3	0.14	0.02	0.13
(2,3975)	1:174:A:LEU:HD13	1:171:A:ASP:H	3	0.14	0.02	0.13
(2,3116)	1:130:A:SER:HA	1:129:A:ALA:HA	3	0.13	0.02	0.12
(2,361)	1:26:A:LEU:H	1:26:A:LEU:HB3	3	0.12	0.01	0.13
(2,3881)	1:26:A:LEU:HB3	1:26:A:LEU:H	3	0.12	0.01	0.13
(2,5303)	1:168:A:LEU:HB3	1:168:A:LEU:H	3	0.12	0.01	0.13
(2,814)	1:162:A:LYS:HA	1:161:A:VAL:HG21	3	0.11	0.01	0.11
(2,814)	1:162:A:LYS:HA	1:161:A:VAL:HG22	3	0.11	0.01	0.11
(2,814)	1:162:A:LYS:HA	1:161:A:VAL:HG23	3	0.11	0.01	0.11
(2,4012)	1:29:A:ASP:HA	1:29:A:ASP:H	3	0.11	0.0	0.11
(2,4622)	1:48:A:ASP:H	1:47:A:TYR:H	3	0.11	0.01	0.1
(2,466)	1:42:A:GLU:H	1:42:A:GLU:HB3	3	0.1	0.0	0.1
(2,4589)	1:42:A:GLU:HB3	1:42:A:GLU:H	3	0.1	0.0	0.1
(2,573)	1:106:A:ARG:HE	1:140:A:VAL:HG21	2	1.77	0.1	1.77

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,573)	1:106:A:ARG:HE	1:140:A:VAL:HG22	2	1.77	0.1	1.77
(2,573)	1:106:A:ARG:HE	1:140:A:VAL:HG23	2	1.77	0.1	1.77
(2,3238)	1:86:A:PHE:HB3	1:142:A:LEU:HG	2	1.58	0.04	1.58
(2,2216)	1:76:A:ILE:HG12	1:41:A:LYS:HG2	2	1.51	0.09	1.51
(2,4775)	1:41:A:LYS:HG3	1:76:A:ILE:H	2	1.06	0.07	1.06
(2,4057)	1:140:A:VAL:HG11	1:102:A:LEU:H	2	1.05	0.09	1.05
(2,4057)	1:140:A:VAL:HG12	1:102:A:LEU:H	2	1.05	0.09	1.05
(2,4057)	1:140:A:VAL:HG13	1:102:A:LEU:H	2	1.05	0.09	1.05
(2,1252)	1:85:A:LEU:HD11	1:109:A:ILE:HD11	2	1.04	0.02	1.04
(2,1252)	1:85:A:LEU:HD11	1:109:A:ILE:HD12	2	1.04	0.02	1.04
(2,1252)	1:85:A:LEU:HD11	1:109:A:ILE:HD13	2	1.04	0.02	1.04
(2,1252)	1:85:A:LEU:HD12	1:109:A:ILE:HD11	2	1.04	0.02	1.04
(2,1252)	1:85:A:LEU:HD12	1:109:A:ILE:HD12	2	1.04	0.02	1.04
(2,1252)	1:85:A:LEU:HD12	1:109:A:ILE:HD13	2	1.04	0.02	1.04
(2,1252)	1:85:A:LEU:HD13	1:109:A:ILE:HD11	2	1.04	0.02	1.04
(2,1252)	1:85:A:LEU:HD13	1:109:A:ILE:HD12	2	1.04	0.02	1.04
(2,1252)	1:85:A:LEU:HD13	1:109:A:ILE:HD13	2	1.04	0.02	1.04
(2,3755)	1:163:A:GLN:HB2	1:163:A:GLN:H	2	0.94	0.01	0.94
(2,4117)	1:10:A:SER:HB3	1:13:A:GLY:H	2	0.86	0.52	0.86
(2,1656)	1:23:A:GLN:HE22	1:28:A:LYS:HE2	2	0.84	0.34	0.84
(2,3525)	1:4:A:THR:H	1:49:A:ILE:HD11	2	0.84	0.31	0.84
(2,3525)	1:4:A:THR:H	1:49:A:ILE:HD12	2	0.84	0.31	0.84
(2,3525)	1:4:A:THR:H	1:49:A:ILE:HD13	2	0.84	0.31	0.84
(2,3466)	1:170:A:LEU:HB3	1:165:A:SER:HB3	2	0.76	0.62	0.76
(2,3466)	1:170:A:LEU:HB3	1:165:A:SER:HB2	2	0.76	0.62	0.76
(2,4697)	1:100:A:ASP:HB2	1:60:A:GLY:H	2	0.71	0.26	0.71
(3,64)	1:157:A:VAL:HG11	1:21:A:MET:HA	2	0.7	0.05	0.7
(3,64)	1:157:A:VAL:HG12	1:21:A:MET:HA	2	0.7	0.05	0.7
(3,64)	1:157:A:VAL:HG13	1:21:A:MET:HA	2	0.7	0.05	0.7
(2,612)	1:106:A:ARG:H	1:140:A:VAL:HG11	2	0.68	0.02	0.68
(2,612)	1:106:A:ARG:H	1:140:A:VAL:HG12	2	0.68	0.02	0.68
(2,612)	1:106:A:ARG:H	1:140:A:VAL:HG13	2	0.68	0.02	0.68
(2,5375)	1:145:A:ASP:HB3	1:91:A:GLN:HE21	2	0.62	0.21	0.62
(2,5383)	1:40:A:SER:HB2	1:43:A:ASP:H	2	0.61	0.2	0.61
(2,2625)	1:142:A:LEU:HG	1:86:A:PHE:HB3	2	0.57	0.03	0.57
(2,903)	1:127:A:PHE:HA	1:95:A:ALA:HB1	2	0.55	0.3	0.55
(2,903)	1:127:A:PHE:HA	1:95:A:ALA:HB2	2	0.55	0.3	0.55
(2,903)	1:127:A:PHE:HA	1:95:A:ALA:HB3	2	0.55	0.3	0.55
(2,3184)	1:140:A:VAL:HG21	1:134:A:ALA:HB1	2	0.53	0.01	0.53
(2,3184)	1:140:A:VAL:HG21	1:134:A:ALA:HB2	2	0.53	0.01	0.53
(2,3184)	1:140:A:VAL:HG21	1:134:A:ALA:HB3	2	0.53	0.01	0.53
(2,3184)	1:140:A:VAL:HG22	1:134:A:ALA:HB1	2	0.53	0.01	0.53

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3184)	1:140:A:VAL:HG22	1:134:A:ALA:HB2	2	0.53	0.01	0.53
(2,3184)	1:140:A:VAL:HG22	1:134:A:ALA:HB3	2	0.53	0.01	0.53
(2,3184)	1:140:A:VAL:HG23	1:134:A:ALA:HB1	2	0.53	0.01	0.53
(2,3184)	1:140:A:VAL:HG23	1:134:A:ALA:HB2	2	0.53	0.01	0.53
(2,3184)	1:140:A:VAL:HG23	1:134:A:ALA:HB3	2	0.53	0.01	0.53
(2,1531)	1:38:A:LYS:H	1:38:A:LYS:HD2	2	0.52	0.03	0.52
(2,2218)	1:76:A:ILE:HG12	1:41:A:LYS:HG2	2	0.51	0.09	0.51
(2,878)	1:141:A:GLY:HA2	1:102:A:LEU:HD21	2	0.5	0.3	0.5
(2,878)	1:141:A:GLY:HA2	1:102:A:LEU:HD22	2	0.5	0.3	0.5
(2,878)	1:141:A:GLY:HA2	1:102:A:LEU:HD23	2	0.5	0.3	0.5
(2,1498)	1:86:A:PHE:HD1	1:19:A:ALA:HB1	2	0.5	0.05	0.5
(2,1498)	1:86:A:PHE:HD1	1:19:A:ALA:HB2	2	0.5	0.05	0.5
(2,1498)	1:86:A:PHE:HD1	1:19:A:ALA:HB3	2	0.5	0.05	0.5
(2,1498)	1:86:A:PHE:HD2	1:19:A:ALA:HB1	2	0.5	0.05	0.5
(2,1498)	1:86:A:PHE:HD2	1:19:A:ALA:HB2	2	0.5	0.05	0.5
(2,1498)	1:86:A:PHE:HD2	1:19:A:ALA:HB3	2	0.5	0.05	0.5
(2,1036)	1:74:A:GLU:HB2	1:108:A:ILE:HG21	2	0.5	0.05	0.5
(2,1036)	1:74:A:GLU:HB2	1:108:A:ILE:HG22	2	0.5	0.05	0.5
(2,1036)	1:74:A:GLU:HB2	1:108:A:ILE:HG23	2	0.5	0.05	0.5
(2,2444)	1:108:A:ILE:HG21	1:74:A:GLU:HB2	2	0.5	0.05	0.5
(2,2444)	1:108:A:ILE:HG22	1:74:A:GLU:HB2	2	0.5	0.05	0.5
(2,2444)	1:108:A:ILE:HG23	1:74:A:GLU:HB2	2	0.5	0.05	0.5
(2,2303)	1:54:A:ILE:HG12	1:62:A:ALA:HA	2	0.48	0.12	0.48
(2,964)	1:156:A:ARG:HD3	1:142:A:LEU:HD11	2	0.48	0.36	0.48
(2,964)	1:156:A:ARG:HD3	1:142:A:LEU:HD12	2	0.48	0.36	0.48
(2,964)	1:156:A:ARG:HD3	1:142:A:LEU:HD13	2	0.48	0.36	0.48
(3,509)	1:127:A:PHE:HB3	1:98:A:PHE:H	2	0.46	0.2	0.46
(2,3071)	1:133:A:LEU:HB2	1:122:A:THR:HG21	2	0.43	0.24	0.43
(2,3071)	1:133:A:LEU:HB2	1:122:A:THR:HG22	2	0.43	0.24	0.43
(2,3071)	1:133:A:LEU:HB2	1:122:A:THR:HG23	2	0.43	0.24	0.43
(2,2104)	1:49:A:ILE:HG12	1:49:A:ILE:HG21	2	0.42	0.01	0.42
(2,2104)	1:49:A:ILE:HG12	1:49:A:ILE:HG22	2	0.42	0.01	0.42
(2,2104)	1:49:A:ILE:HG12	1:49:A:ILE:HG23	2	0.42	0.01	0.42
(2,5370)	1:28:A:LYS:HG2	1:23:A:GLN:HE21	2	0.42	0.08	0.42
(2,312)	1:42:A:GLU:H	1:40:A:SER:HB3	2	0.41	0.19	0.41
(2,4585)	1:40:A:SER:HB3	1:42:A:GLU:H	2	0.41	0.19	0.41
(2,3217)	1:106:A:ARG:HB2	1:140:A:VAL:HG21	2	0.38	0.19	0.38
(2,3217)	1:106:A:ARG:HB2	1:140:A:VAL:HG22	2	0.38	0.19	0.38
(2,3217)	1:106:A:ARG:HB2	1:140:A:VAL:HG23	2	0.38	0.19	0.38
(2,2036)	1:76:A:ILE:HD11	1:44:A:LEU:HD21	2	0.38	0.15	0.38
(2,2036)	1:76:A:ILE:HD11	1:44:A:LEU:HD22	2	0.38	0.15	0.38
(2,2036)	1:76:A:ILE:HD11	1:44:A:LEU:HD23	2	0.38	0.15	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2036)	1:76:A:ILE:HD12	1:44:A:LEU:HD21	2	0.38	0.15	0.38
(2,2036)	1:76:A:ILE:HD12	1:44:A:LEU:HD22	2	0.38	0.15	0.38
(2,2036)	1:76:A:ILE:HD12	1:44:A:LEU:HD23	2	0.38	0.15	0.38
(2,2036)	1:76:A:ILE:HD13	1:44:A:LEU:HD21	2	0.38	0.15	0.38
(2,2036)	1:76:A:ILE:HD13	1:44:A:LEU:HD22	2	0.38	0.15	0.38
(2,2036)	1:76:A:ILE:HD13	1:44:A:LEU:HD23	2	0.38	0.15	0.38
(2,4136)	1:158:A:GLU:HA	1:25:A:GLN:HE22	2	0.38	0.03	0.38
(2,4427)	1:18:A:ILE:HD11	1:17:A:ASN:HD21	2	0.38	0.26	0.38
(2,4427)	1:18:A:ILE:HD12	1:17:A:ASN:HD21	2	0.38	0.26	0.38
(2,4427)	1:18:A:ILE:HD13	1:17:A:ASN:HD21	2	0.38	0.26	0.38
(3,63)	1:78:A:PHE:HB3	1:50:A:LEU:HD11	2	0.38	0.1	0.38
(3,63)	1:78:A:PHE:HB3	1:50:A:LEU:HD12	2	0.38	0.1	0.38
(3,63)	1:78:A:PHE:HB3	1:50:A:LEU:HD13	2	0.38	0.1	0.38
(2,3020)	1:167:A:GLU:HG3	1:117:A:VAL:HG21	2	0.36	0.06	0.36
(2,3020)	1:167:A:GLU:HG3	1:117:A:VAL:HG22	2	0.36	0.06	0.36
(2,3020)	1:167:A:GLU:HG3	1:117:A:VAL:HG23	2	0.36	0.06	0.36
(3,87)	1:91:A:GLN:HE21	1:145:A:ASP:HB2	2	0.36	0.24	0.36
(3,687)	1:145:A:ASP:HB2	1:91:A:GLN:HE21	2	0.36	0.24	0.36
(2,2626)	1:142:A:LEU:HB2	1:86:A:PHE:HB3	2	0.36	0.06	0.36
(2,4957)	1:111:A:PRO:HD3	1:108:A:ILE:H	2	0.36	0.16	0.36
(2,1418)	1:17:A:ASN:HD21	1:14:A:ASN:HA	2	0.36	0.01	0.36
(2,4424)	1:14:A:ASN:HA	1:17:A:ASN:HD21	2	0.36	0.01	0.36
(2,1655)	1:96:A:GLU:HA	1:131:A:LYS:HE3	2	0.34	0.19	0.34
(2,1010)	1:86:A:PHE:HB2	1:142:A:LEU:HG	2	0.34	0.02	0.34
(2,456)	1:120:A:TRP:HH2	1:159:A:LYS:HD2	2	0.32	0.04	0.32
(2,3340)	1:169:A:HIS:HB3	1:172:A:GLU:HB2	2	0.32	0.07	0.32
(2,3490)	1:172:A:GLU:HB2	1:169:A:HIS:HB3	2	0.32	0.07	0.32
(3,540)	1:112:A:ARG:HG2	1:109:A:ILE:H	2	0.32	0.03	0.32
(2,464)	1:164:A:ILE:H	1:163:A:GLN:HB2	2	0.31	0.0	0.31
(2,4090)	1:163:A:GLN:HB2	1:164:A:ILE:H	2	0.31	0.0	0.31
(3,559)	1:167:A:GLU:HA	1:118:A:GLY:H	2	0.31	0.0	0.31
(2,5378)	1:145:A:ASP:HB3	1:91:A:GLN:HE22	2	0.3	0.16	0.3
(2,5378)	1:145:A:ASP:HB2	1:91:A:GLN:HE22	2	0.3	0.16	0.3
(2,1242)	1:85:A:LEU:HB3	1:102:A:LEU:HD21	2	0.27	0.05	0.27
(2,1242)	1:85:A:LEU:HB3	1:102:A:LEU:HD22	2	0.27	0.05	0.27
(2,1242)	1:85:A:LEU:HB3	1:102:A:LEU:HD23	2	0.27	0.05	0.27
(2,1073)	1:164:A:ILE:HD11	1:26:A:LEU:HD11	2	0.26	0.12	0.26
(2,1073)	1:164:A:ILE:HD11	1:26:A:LEU:HD12	2	0.26	0.12	0.26
(2,1073)	1:164:A:ILE:HD11	1:26:A:LEU:HD13	2	0.26	0.12	0.26
(2,1073)	1:164:A:ILE:HD12	1:26:A:LEU:HD11	2	0.26	0.12	0.26
(2,1073)	1:164:A:ILE:HD12	1:26:A:LEU:HD12	2	0.26	0.12	0.26
(2,1073)	1:164:A:ILE:HD12	1:26:A:LEU:HD13	2	0.26	0.12	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1073)	1:164:A:ILE:HD13	1:26:A:LEU:HD11	2	0.26	0.12	0.26
(2,1073)	1:164:A:ILE:HD13	1:26:A:LEU:HD12	2	0.26	0.12	0.26
(2,1073)	1:164:A:ILE:HD13	1:26:A:LEU:HD13	2	0.26	0.12	0.26
(2,1839)	1:38:A:LYS:HG2	1:35:A:ASP:HB3	2	0.26	0.04	0.26
(2,2165)	1:86:A:PHE:HD1	1:51:A:LEU:HB3	2	0.24	0.02	0.24
(2,2165)	1:86:A:PHE:HD2	1:51:A:LEU:HB3	2	0.24	0.02	0.24
(2,1092)	1:102:A:LEU:HD21	1:54:A:ILE:HG21	2	0.23	0.07	0.23
(2,1092)	1:102:A:LEU:HD21	1:54:A:ILE:HG22	2	0.23	0.07	0.23
(2,1092)	1:102:A:LEU:HD21	1:54:A:ILE:HG23	2	0.23	0.07	0.23
(2,1092)	1:102:A:LEU:HD22	1:54:A:ILE:HG21	2	0.23	0.07	0.23
(2,1092)	1:102:A:LEU:HD22	1:54:A:ILE:HG22	2	0.23	0.07	0.23
(2,1092)	1:102:A:LEU:HD22	1:54:A:ILE:HG23	2	0.23	0.07	0.23
(2,1092)	1:102:A:LEU:HD23	1:54:A:ILE:HG21	2	0.23	0.07	0.23
(2,1092)	1:102:A:LEU:HD23	1:54:A:ILE:HG22	2	0.23	0.07	0.23
(2,1092)	1:102:A:LEU:HD23	1:54:A:ILE:HG23	2	0.23	0.07	0.23
(2,2598)	1:51:A:LEU:HB3	1:84:A:ALA:HB1	2	0.23	0.06	0.23
(2,2598)	1:51:A:LEU:HB3	1:84:A:ALA:HB2	2	0.23	0.06	0.23
(2,2598)	1:51:A:LEU:HB3	1:84:A:ALA:HB3	2	0.23	0.06	0.23
(2,2780)	1:54:A:ILE:HG21	1:102:A:LEU:HD21	2	0.23	0.07	0.23
(2,2780)	1:54:A:ILE:HG21	1:102:A:LEU:HD22	2	0.23	0.07	0.23
(2,2780)	1:54:A:ILE:HG21	1:102:A:LEU:HD23	2	0.23	0.07	0.23
(2,2780)	1:54:A:ILE:HG22	1:102:A:LEU:HD21	2	0.23	0.07	0.23
(2,2780)	1:54:A:ILE:HG22	1:102:A:LEU:HD22	2	0.23	0.07	0.23
(2,2780)	1:54:A:ILE:HG22	1:102:A:LEU:HD23	2	0.23	0.07	0.23
(2,2780)	1:54:A:ILE:HG23	1:102:A:LEU:HD21	2	0.23	0.07	0.23
(2,2780)	1:54:A:ILE:HG23	1:102:A:LEU:HD22	2	0.23	0.07	0.23
(2,2780)	1:54:A:ILE:HG23	1:102:A:LEU:HD23	2	0.23	0.07	0.23
(2,3507)	1:164:A:ILE:HD11	1:170:A:LEU:HD11	2	0.22	0.08	0.22
(2,3507)	1:164:A:ILE:HD11	1:170:A:LEU:HD12	2	0.22	0.08	0.22
(2,3507)	1:164:A:ILE:HD11	1:170:A:LEU:HD13	2	0.22	0.08	0.22
(2,3507)	1:164:A:ILE:HD12	1:170:A:LEU:HD11	2	0.22	0.08	0.22
(2,3507)	1:164:A:ILE:HD12	1:170:A:LEU:HD12	2	0.22	0.08	0.22
(2,3507)	1:164:A:ILE:HD12	1:170:A:LEU:HD13	2	0.22	0.08	0.22
(2,3507)	1:164:A:ILE:HD13	1:170:A:LEU:HD11	2	0.22	0.08	0.22
(2,3507)	1:164:A:ILE:HD13	1:170:A:LEU:HD12	2	0.22	0.08	0.22
(2,3507)	1:164:A:ILE:HD13	1:170:A:LEU:HD13	2	0.22	0.08	0.22
(2,1971)	1:42:A:GLU:H	1:42:A:GLU:HG3	2	0.22	0.12	0.22
(2,4025)	1:42:A:GLU:HG3	1:42:A:GLU:H	2	0.22	0.12	0.22
(2,3751)	1:117:A:VAL:HG21	1:83:A:VAL:H	2	0.22	0.04	0.22
(2,3751)	1:117:A:VAL:HG22	1:83:A:VAL:H	2	0.22	0.04	0.22
(2,3751)	1:117:A:VAL:HG23	1:83:A:VAL:H	2	0.22	0.04	0.22
(2,2604)	1:85:A:LEU:HG	1:85:A:LEU:HA	2	0.21	0.0	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,3629)	1:159:A:LYS:HB2	1:160:A:TRP:H	2	0.2	0.02	0.2
(2,1057)	1:109:A:ILE:HG21	1:73:A:LEU:HD11	2	0.2	0.08	0.2
(2,1057)	1:109:A:ILE:HG21	1:73:A:LEU:HD12	2	0.2	0.08	0.2
(2,1057)	1:109:A:ILE:HG21	1:73:A:LEU:HD13	2	0.2	0.08	0.2
(2,1057)	1:109:A:ILE:HG22	1:73:A:LEU:HD11	2	0.2	0.08	0.2
(2,1057)	1:109:A:ILE:HG22	1:73:A:LEU:HD12	2	0.2	0.08	0.2
(2,1057)	1:109:A:ILE:HG22	1:73:A:LEU:HD13	2	0.2	0.08	0.2
(2,1057)	1:109:A:ILE:HG23	1:73:A:LEU:HD11	2	0.2	0.08	0.2
(2,1057)	1:109:A:ILE:HG23	1:73:A:LEU:HD12	2	0.2	0.08	0.2
(2,1057)	1:109:A:ILE:HG23	1:73:A:LEU:HD13	2	0.2	0.08	0.2
(2,516)	1:125:A:TYR:HD1	1:133:A:LEU:HD21	2	0.2	0.06	0.2
(2,516)	1:125:A:TYR:HD1	1:133:A:LEU:HD22	2	0.2	0.06	0.2
(2,516)	1:125:A:TYR:HD1	1:133:A:LEU:HD23	2	0.2	0.06	0.2
(2,516)	1:125:A:TYR:HD2	1:133:A:LEU:HD21	2	0.2	0.06	0.2
(2,516)	1:125:A:TYR:HD2	1:133:A:LEU:HD22	2	0.2	0.06	0.2
(2,516)	1:125:A:TYR:HD2	1:133:A:LEU:HD23	2	0.2	0.06	0.2
(2,2541)	1:117:A:VAL:HG21	1:82:A:LEU:HA	2	0.2	0.06	0.2
(2,2541)	1:117:A:VAL:HG22	1:82:A:LEU:HA	2	0.2	0.06	0.2
(2,2541)	1:117:A:VAL:HG23	1:82:A:LEU:HA	2	0.2	0.06	0.2
(2,3180)	1:138:A:HIS:HB2	1:134:A:ALA:HB1	2	0.2	0.04	0.2
(2,3180)	1:138:A:HIS:HB2	1:134:A:ALA:HB2	2	0.2	0.04	0.2
(2,3180)	1:138:A:HIS:HB2	1:134:A:ALA:HB3	2	0.2	0.04	0.2
(2,2926)	1:112:A:ARG:H	1:111:A:PRO:HG2	2	0.2	0.02	0.2
(2,3168)	1:138:A:HIS:H	1:133:A:LEU:HD11	2	0.2	0.06	0.2
(2,3168)	1:138:A:HIS:H	1:133:A:LEU:HD12	2	0.2	0.06	0.2
(2,3168)	1:138:A:HIS:H	1:133:A:LEU:HD13	2	0.2	0.06	0.2
(2,5102)	1:133:A:LEU:HD11	1:138:A:HIS:H	2	0.2	0.06	0.2
(2,5102)	1:133:A:LEU:HD12	1:138:A:HIS:H	2	0.2	0.06	0.2
(2,5102)	1:133:A:LEU:HD13	1:138:A:HIS:H	2	0.2	0.06	0.2
(2,2155)	1:83:A:VAL:HG11	1:50:A:LEU:HD11	2	0.19	0.03	0.19
(2,2155)	1:83:A:VAL:HG11	1:50:A:LEU:HD12	2	0.19	0.03	0.19
(2,2155)	1:83:A:VAL:HG11	1:50:A:LEU:HD13	2	0.19	0.03	0.19
(2,2155)	1:83:A:VAL:HG12	1:50:A:LEU:HD11	2	0.19	0.03	0.19
(2,2155)	1:83:A:VAL:HG12	1:50:A:LEU:HD12	2	0.19	0.03	0.19
(2,2155)	1:83:A:VAL:HG12	1:50:A:LEU:HD13	2	0.19	0.03	0.19
(2,2155)	1:83:A:VAL:HG13	1:50:A:LEU:HD11	2	0.19	0.03	0.19
(2,2155)	1:83:A:VAL:HG13	1:50:A:LEU:HD12	2	0.19	0.03	0.19
(2,2155)	1:83:A:VAL:HG13	1:50:A:LEU:HD13	2	0.19	0.03	0.19
(2,3206)	1:141:A:GLY:HA3	1:140:A:VAL:HG11	2	0.19	0.01	0.19
(2,3206)	1:141:A:GLY:HA3	1:140:A:VAL:HG12	2	0.19	0.01	0.19
(2,3206)	1:141:A:GLY:HA3	1:140:A:VAL:HG13	2	0.19	0.01	0.19
(2,1430)	1:150:A:PRO:HB2	1:153:A:THR:HA	2	0.18	0.02	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,5074)	1:139:A:PHE:HB2	1:134:A:ALA:H	2	0.18	0.04	0.18
(2,724)	1:65:A:ASP:HA	1:68:A:ASP:HB2	2	0.18	0.05	0.18
(2,724)	1:65:A:ASP:HA	1:68:A:ASP:HB3	2	0.18	0.05	0.18
(2,4597)	1:172:A:GLU:HB2	1:173:A:ILE:H	2	0.18	0.01	0.18
(2,4776)	1:75:A:GLU:HB2	1:76:A:ILE:H	2	0.17	0.06	0.17
(2,85)	1:159:A:LYS:HA	1:120:A:TRP:HH2	2	0.17	0.04	0.17
(2,1412)	1:78:A:PHE:HB2	1:113:A:GLY:HA2	2	0.17	0.04	0.17
(2,2231)	1:87:A:GLY:HA3	1:54:A:ILE:HA	2	0.16	0.02	0.16
(2,1324)	1:50:A:LEU:HD11	1:83:A:VAL:HG21	2	0.16	0.04	0.16
(2,1324)	1:50:A:LEU:HD11	1:83:A:VAL:HG22	2	0.16	0.04	0.16
(2,1324)	1:50:A:LEU:HD11	1:83:A:VAL:HG23	2	0.16	0.04	0.16
(2,1324)	1:50:A:LEU:HD12	1:83:A:VAL:HG21	2	0.16	0.04	0.16
(2,1324)	1:50:A:LEU:HD12	1:83:A:VAL:HG22	2	0.16	0.04	0.16
(2,1324)	1:50:A:LEU:HD12	1:83:A:VAL:HG23	2	0.16	0.04	0.16
(2,1324)	1:50:A:LEU:HD13	1:83:A:VAL:HG21	2	0.16	0.04	0.16
(2,1324)	1:50:A:LEU:HD13	1:83:A:VAL:HG22	2	0.16	0.04	0.16
(2,1324)	1:50:A:LEU:HD13	1:83:A:VAL:HG23	2	0.16	0.04	0.16
(2,2775)	1:88:A:CYS:H	1:102:A:LEU:HD21	2	0.15	0.05	0.15
(2,2775)	1:88:A:CYS:H	1:102:A:LEU:HD22	2	0.15	0.05	0.15
(2,2775)	1:88:A:CYS:H	1:102:A:LEU:HD23	2	0.15	0.05	0.15
(3,655)	1:167:A:GLU:HB3	1:165:A:SER:H	2	0.15	0.01	0.15
(2,4125)	1:25:A:GLN:HG2	1:25:A:GLN:HE21	2	0.15	0.02	0.15
(2,4022)	1:96:A:GLU:HB2	1:96:A:GLU:H	2	0.13	0.02	0.13
(2,4022)	1:96:A:GLU:HB3	1:96:A:GLU:H	2	0.13	0.02	0.13
(2,40)	1:99:A:CYS:H	2:201:A:FMN:HN3	2	0.12	0.02	0.12
(2,588)	1:130:A:SER:H	1:129:A:ALA:HB1	2	0.12	0.0	0.12
(2,588)	1:130:A:SER:H	1:129:A:ALA:HB2	2	0.12	0.0	0.12
(2,588)	1:130:A:SER:H	1:129:A:ALA:HB3	2	0.12	0.0	0.12
(2,3935)	1:158:A:GLU:HA	1:158:A:GLU:H	2	0.12	0.01	0.12
(2,4145)	1:129:A:ALA:HB1	1:130:A:SER:H	2	0.12	0.0	0.12
(2,4145)	1:129:A:ALA:HB2	1:130:A:SER:H	2	0.12	0.0	0.12
(2,4145)	1:129:A:ALA:HB3	1:130:A:SER:H	2	0.12	0.0	0.12
(2,788)	1:131:A:LYS:HA	1:131:A:LYS:HD2	2	0.12	0.0	0.12
(2,3486)	1:170:A:LEU:H	1:168:A:LEU:HD21	2	0.12	0.0	0.12
(2,3486)	1:170:A:LEU:H	1:168:A:LEU:HD22	2	0.12	0.0	0.12
(2,3486)	1:170:A:LEU:H	1:168:A:LEU:HD23	2	0.12	0.0	0.12
(2,4021)	1:96:A:GLU:HG2	1:96:A:GLU:H	2	0.12	0.0	0.12
(2,5318)	1:168:A:LEU:HD21	1:170:A:LEU:H	2	0.12	0.0	0.12
(2,5318)	1:168:A:LEU:HD22	1:170:A:LEU:H	2	0.12	0.0	0.12
(2,5318)	1:168:A:LEU:HD23	1:170:A:LEU:H	2	0.12	0.0	0.12
(3,694)	1:156:A:ARG:HB2	1:120:A:TRP:HE1	2	0.12	0.0	0.12
(2,1200)	1:75:A:GLU:HG2	1:75:A:GLU:HA	2	0.11	0.0	0.11

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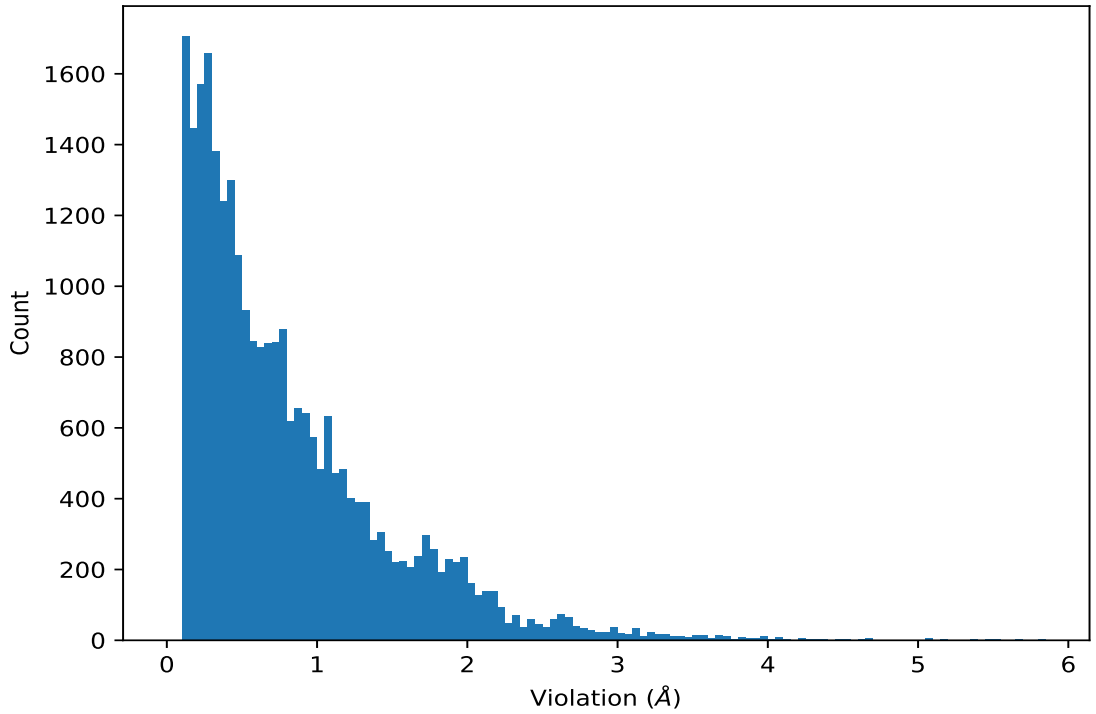
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2456)	1:75:A:GLU:HA	1:75:A:GLU:HG2	2	0.11	0.0	0.11
(2,4778)	1:76:A:ILE:H	1:77:A:ASP:H	2	0.11	0.0	0.11
(2,5173)	1:148:A:ARG:HB2	1:149:A:GLN:H	2	0.11	0.01	0.11
(2,3729)	1:114:A:ALA:HA	1:114:A:ALA:H	2	0.11	0.0	0.11
(2,4691)	1:60:A:GLY:HA3	1:59:A:TYR:H	2	0.11	0.0	0.11

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

9.5 All violated distance restraints

9.5.1 Histogram : Distribution of distance violations

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



9.5.2 Table : All distance violations

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE1	1	5.84
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE2	1	5.84
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE1	2	5.66
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE2	2	5.66
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE1	17	5.5
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE2	17	5.5
(2,3174)	1:156:A:ARG:HB2	1:144:A:ILE:HG12	4	5.49
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD21	14	5.45
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD22	14	5.45
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD23	14	5.45
(2,97)	1:163:A:GLN:HG3	1:120:A:TRP:HZ2	3	5.42
(2,3174)	1:156:A:ARG:HB2	1:144:A:ILE:HG12	11	5.38
(2,3174)	1:156:A:ARG:HB2	1:144:A:ILE:HG12	9	5.35
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE1	6	5.19
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE2	6	5.19
(2,97)	1:163:A:GLN:HG3	1:120:A:TRP:HZ2	4	5.15
(2,3785)	1:91:A:GLN:HG2	1:93:A:ASP:H	4	5.06
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB2	14	5.06
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB2	14	5.06
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB2	14	5.06
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB3	14	5.06
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB3	14	5.06
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB3	14	5.06
(2,3174)	1:156:A:ARG:HB2	1:144:A:ILE:HG12	13	4.87
(2,3174)	1:156:A:ARG:HB2	1:144:A:ILE:HG12	15	4.81
(2,97)	1:163:A:GLN:HG3	1:120:A:TRP:HZ2	10	4.66
(2,1176)	1:28:A:LYS:HG2	1:24:A:LYS:HA	8	4.65
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG21	11	4.65
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG22	11	4.65
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG23	11	4.65
(2,5177)	1:146:A:GLU:HB2	1:151:A:GLU:H	19	4.64
(2,1176)	1:28:A:LYS:HG2	1:24:A:LYS:HA	14	4.61
(2,1203)	1:30:A:VAL:HG11	1:174:A:LEU:HA	11	4.53
(2,1203)	1:30:A:VAL:HG12	1:174:A:LEU:HA	11	4.53
(2,1203)	1:30:A:VAL:HG13	1:174:A:LEU:HA	11	4.53
(2,3174)	1:156:A:ARG:HB2	1:144:A:ILE:HG12	5	4.52
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD21	11	4.49
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD22	11	4.49
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD23	11	4.49
(2,97)	1:163:A:GLN:HG3	1:120:A:TRP:HZ2	13	4.47
(2,1176)	1:28:A:LYS:HG2	1:24:A:LYS:HA	2	4.37
(2,1176)	1:28:A:LYS:HG2	1:24:A:LYS:HA	9	4.37
(2,97)	1:163:A:GLN:HG3	1:120:A:TRP:HZ2	5	4.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,97)	1:163:A:GLN:HG3	1:120:A:TRP:HZ2	6	4.34
(2,4490)	1:174:A:LEU:HD11	1:26:A:LEU:H	14	4.32
(2,4490)	1:174:A:LEU:HD12	1:26:A:LEU:H	14	4.32
(2,4490)	1:174:A:LEU:HD13	1:26:A:LEU:H	14	4.32
(2,2356)	1:80:A:GLY:H	1:81:A:LYS:HE3	2	4.29
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE1	18	4.28
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE2	18	4.28
(2,2356)	1:80:A:GLY:H	1:81:A:LYS:HE3	19	4.27
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB2	11	4.22
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB2	11	4.22
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB2	11	4.22
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB3	11	4.22
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB3	11	4.22
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB3	11	4.22
(2,1176)	1:28:A:LYS:HG2	1:24:A:LYS:HA	7	4.21
(2,2356)	1:80:A:GLY:H	1:81:A:LYS:HE3	11	4.12
(2,2356)	1:80:A:GLY:H	1:81:A:LYS:HE3	20	4.11
(2,1176)	1:28:A:LYS:HG2	1:24:A:LYS:HA	20	4.1
(2,1176)	1:28:A:LYS:HG2	1:24:A:LYS:HA	12	4.09
(2,97)	1:163:A:GLN:HG3	1:120:A:TRP:HZ2	2	4.09
(2,2356)	1:80:A:GLY:H	1:81:A:LYS:HE3	9	4.08
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE1	10	4.08
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE2	10	4.08
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG21	15	4.07
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG22	15	4.07
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG23	15	4.07
(2,1176)	1:28:A:LYS:HG2	1:24:A:LYS:HA	19	4.06
(2,2356)	1:80:A:GLY:H	1:81:A:LYS:HE3	12	4.05
(2,3174)	1:156:A:ARG:HB2	1:144:A:ILE:HG12	12	4.04
(2,2356)	1:80:A:GLY:H	1:81:A:LYS:HE3	8	4.02
(2,3785)	1:91:A:GLN:HG2	1:93:A:ASP:H	5	4.01
(2,2356)	1:80:A:GLY:H	1:81:A:LYS:HE3	13	4.01
(2,3785)	1:91:A:GLN:HG2	1:93:A:ASP:H	10	3.99
(2,2356)	1:80:A:GLY:H	1:81:A:LYS:HE3	17	3.98
(2,1678)	1:174:A:LEU:HB3	1:26:A:LEU:HA	14	3.98
(2,1229)	1:16:A:GLU:HG3	1:20:A:LYS:HE3	14	3.98
(2,2356)	1:80:A:GLY:H	1:81:A:LYS:HE3	14	3.97
(2,2356)	1:80:A:GLY:H	1:81:A:LYS:HE3	6	3.96
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD11	11	3.96
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD12	11	3.96
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD13	11	3.96
(2,1229)	1:16:A:GLU:HG3	1:20:A:LYS:HE3	18	3.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1176)	1:28:A:LYS:HG2	1:24:A:LYS:HA	13	3.95
(2,1176)	1:28:A:LYS:HG2	1:24:A:LYS:HA	18	3.94
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE1	5	3.94
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE2	5	3.94
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE1	12	3.94
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE2	12	3.94
(2,2356)	1:80:A:GLY:H	1:81:A:LYS:HE3	5	3.9
(2,2356)	1:80:A:GLY:H	1:81:A:LYS:HE3	7	3.89
(2,1176)	1:28:A:LYS:HG2	1:24:A:LYS:HA	10	3.88
(2,1176)	1:28:A:LYS:HG2	1:24:A:LYS:HA	1	3.87
(2,1176)	1:28:A:LYS:HG2	1:24:A:LYS:HA	16	3.87
(2,1229)	1:16:A:GLU:HG3	1:20:A:LYS:HE3	20	3.85
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD11	15	3.82
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD12	15	3.82
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD13	15	3.82
(2,1721)	1:24:A:LYS:HE2	1:28:A:LYS:HB2	2	3.8
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB1	4	3.8
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB2	4	3.8
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB3	4	3.8
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB1	4	3.8
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB2	4	3.8
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB3	4	3.8
(2,97)	1:163:A:GLN:HG3	1:120:A:TRP:HZ2	14	3.79
(2,97)	1:163:A:GLN:HG3	1:120:A:TRP:HZ2	1	3.78
(2,1721)	1:24:A:LYS:HE2	1:28:A:LYS:HB2	20	3.76
(2,2461)	1:74:A:GLU:HG2	1:75:A:GLU:HG3	8	3.72
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE1	4	3.72
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE2	4	3.72
(2,3785)	1:91:A:GLN:HG2	1:93:A:ASP:H	17	3.71
(2,1176)	1:28:A:LYS:HG2	1:24:A:LYS:HA	3	3.71
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB1	5	3.71
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB2	5	3.71
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB3	5	3.71
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB1	5	3.71
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB2	5	3.71
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB3	5	3.71
(2,97)	1:163:A:GLN:HG3	1:120:A:TRP:HZ2	11	3.71
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB1	12	3.68
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB2	12	3.68
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB3	12	3.68
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB1	12	3.68
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB2	12	3.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB3	12	3.68
(2,3785)	1:91:A:GLN:HG2	1:93:A:ASP:H	13	3.66
(2,1203)	1:30:A:VAL:HG11	1:174:A:LEU:HA	5	3.66
(2,1203)	1:30:A:VAL:HG12	1:174:A:LEU:HA	5	3.66
(2,1203)	1:30:A:VAL:HG13	1:174:A:LEU:HA	5	3.66
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD1	16	3.65
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD2	16	3.65
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD1	16	3.65
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD2	16	3.65
(2,3785)	1:91:A:GLN:HG2	1:93:A:ASP:H	7	3.64
(3,411)	1:97:A:TYR:HA	1:58:A:TYR:H	16	3.63
(2,3785)	1:91:A:GLN:HG2	1:93:A:ASP:H	18	3.63
(2,1535)	1:16:A:GLU:HG2	1:20:A:LYS:HD2	14	3.62
(2,97)	1:163:A:GLN:HG3	1:120:A:TRP:HZ2	18	3.62
(2,1229)	1:16:A:GLU:HG3	1:20:A:LYS:HE3	2	3.61
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB1	6	3.59
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB2	6	3.59
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB3	6	3.59
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB1	6	3.59
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB2	6	3.59
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB3	6	3.59
(3,411)	1:97:A:TYR:HA	1:58:A:TYR:H	2	3.57
(2,2533)	1:47:A:TYR:HB3	1:81:A:LYS:HD3	16	3.57
(2,97)	1:163:A:GLN:HG3	1:120:A:TRP:HZ2	7	3.57
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE1	15	3.57
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE2	15	3.57
(2,1535)	1:16:A:GLU:HG2	1:20:A:LYS:HD2	18	3.56
(2,1678)	1:174:A:LEU:HB3	1:26:A:LEU:HA	11	3.55
(2,97)	1:163:A:GLN:HG3	1:120:A:TRP:HZ2	19	3.55
(2,2940)	1:112:A:ARG:HD2	1:111:A:PRO:HB3	2	3.53
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG11	11	3.53
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG12	11	3.53
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG13	11	3.53
(2,1176)	1:28:A:LYS:HG2	1:24:A:LYS:HA	11	3.52
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG21	5	3.51
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG22	5	3.51
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG23	5	3.51
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB1	14	3.51
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB2	14	3.51
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB3	14	3.51
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB1	14	3.51
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB2	14	3.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB3	14	3.51
(3,411)	1:97:A:TYR:HA	1:58:A:TYR:H	11	3.49
(2,1659)	1:34:A:HIS:HB2	1:38:A:LYS:HE3	4	3.49
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD21	15	3.48
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD22	15	3.48
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD23	15	3.48
(3,411)	1:97:A:TYR:HA	1:58:A:TYR:H	13	3.47
(2,1229)	1:16:A:GLU:HG3	1:20:A:LYS:HE3	17	3.46
(2,1721)	1:24:A:LYS:HE2	1:28:A:LYS:HB2	11	3.45
(2,1535)	1:16:A:GLU:HG2	1:20:A:LYS:HD2	16	3.45
(2,3174)	1:156:A:ARG:HB2	1:144:A:ILE:HG12	19	3.44
(2,2940)	1:112:A:ARG:HD2	1:111:A:PRO:HB3	16	3.44
(2,2091)	1:168:A:LEU:HB2	1:49:A:ILE:HG12	11	3.44
(2,3785)	1:91:A:GLN:HG2	1:93:A:ASP:H	3	3.43
(2,3263)	1:146:A:GLU:H	1:144:A:ILE:HG12	20	3.42
(2,1229)	1:16:A:GLU:HG3	1:20:A:LYS:HE3	9	3.42
(2,97)	1:163:A:GLN:HG3	1:120:A:TRP:HZ2	12	3.41
(3,411)	1:97:A:TYR:HA	1:58:A:TYR:H	8	3.4
(3,411)	1:97:A:TYR:HA	1:58:A:TYR:H	9	3.4
(2,3315)	1:175:A:ASN:HD22	1:174:A:LEU:HB2	7	3.4
(2,2708)	1:128:A:GLU:HB2	1:96:A:GLU:HG3	15	3.4
(2,2708)	1:128:A:GLU:HB2	1:96:A:GLU:HG2	15	3.4
(2,2533)	1:47:A:TYR:HB3	1:81:A:LYS:HD3	4	3.4
(3,411)	1:97:A:TYR:HA	1:58:A:TYR:H	10	3.39
(2,3315)	1:175:A:ASN:HD22	1:174:A:LEU:HB2	8	3.39
(2,1229)	1:16:A:GLU:HG3	1:20:A:LYS:HE3	12	3.39
(2,1176)	1:28:A:LYS:HG2	1:24:A:LYS:HA	6	3.39
(2,798)	1:112:A:ARG:HD2	1:111:A:PRO:HG2	20	3.38
(2,97)	1:163:A:GLN:HG3	1:120:A:TRP:HZ2	15	3.38
(3,411)	1:97:A:TYR:HA	1:58:A:TYR:H	17	3.36
(2,3785)	1:91:A:GLN:HG2	1:93:A:ASP:H	16	3.36
(2,2940)	1:112:A:ARG:HD2	1:111:A:PRO:HB3	18	3.36
(3,411)	1:97:A:TYR:HA	1:58:A:TYR:H	18	3.35
(2,3315)	1:175:A:ASN:HD22	1:174:A:LEU:HB2	14	3.35
(2,2940)	1:112:A:ARG:HD2	1:111:A:PRO:HB3	7	3.34
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD1	15	3.34
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD2	15	3.34
(2,3660)	1:24:A:LYS:HG3	1:21:A:MET:H	20	3.33
(2,4981)	1:111:A:PRO:HG2	1:112:A:ARG:HE	15	3.32
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG11	20	3.32
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG12	20	3.32
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG13	20	3.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,831)	1:26:A:LEU:HA	1:174:A:LEU:HD11	14	3.32
(2,831)	1:26:A:LEU:HA	1:174:A:LEU:HD12	14	3.32
(2,831)	1:26:A:LEU:HA	1:174:A:LEU:HD13	14	3.32
(2,2940)	1:112:A:ARG:HD2	1:111:A:PRO:HB3	5	3.31
(2,1203)	1:30:A:VAL:HG11	1:174:A:LEU:HA	15	3.31
(2,1203)	1:30:A:VAL:HG12	1:174:A:LEU:HA	15	3.31
(2,1203)	1:30:A:VAL:HG13	1:174:A:LEU:HA	15	3.31
(2,97)	1:163:A:GLN:HG3	1:120:A:TRP:HZ2	9	3.31
(2,3315)	1:175:A:ASN:HD22	1:174:A:LEU:HB2	16	3.3
(2,97)	1:163:A:GLN:HG3	1:120:A:TRP:HZ2	20	3.3
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG11	7	3.29
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG12	7	3.29
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG13	7	3.29
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG11	10	3.28
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG12	10	3.28
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG13	10	3.28
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG11	18	3.28
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG12	18	3.28
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG13	18	3.28
(2,1721)	1:24:A:LYS:HE2	1:28:A:LYS:HB2	15	3.28
(2,3660)	1:24:A:LYS:HG3	1:21:A:MET:H	7	3.27
(2,2356)	1:80:A:GLY:H	1:81:A:LYS:HE3	3	3.27
(2,3785)	1:91:A:GLN:HG2	1:93:A:ASP:H	2	3.26
(2,3785)	1:91:A:GLN:HG2	1:93:A:ASP:H	11	3.26
(2,4981)	1:111:A:PRO:HG2	1:112:A:ARG:HE	13	3.25
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE1	9	3.25
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE2	9	3.25
(3,411)	1:97:A:TYR:HA	1:58:A:TYR:H	7	3.24
(2,3263)	1:146:A:GLU:H	1:144:A:ILE:HG12	10	3.24
(2,2479)	1:30:A:VAL:HG11	1:173:A:ILE:HB	11	3.24
(2,2479)	1:30:A:VAL:HG12	1:173:A:ILE:HB	11	3.24
(2,2479)	1:30:A:VAL:HG13	1:173:A:ILE:HB	11	3.24
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG11	11	3.24
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG12	11	3.24
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG13	11	3.24
(2,3660)	1:24:A:LYS:HG3	1:21:A:MET:H	10	3.23
(2,1188)	1:174:A:LEU:HD11	1:170:A:LEU:HA	12	3.23
(2,1188)	1:174:A:LEU:HD12	1:170:A:LEU:HA	12	3.23
(2,1188)	1:174:A:LEU:HD13	1:170:A:LEU:HA	12	3.23
(2,3660)	1:24:A:LYS:HG3	1:21:A:MET:H	11	3.22
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	11	3.22
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	11	3.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	11	3.22
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	11	3.22
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	11	3.22
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	11	3.22
(3,411)	1:97:A:TYR:HA	1:58:A:TYR:H	3	3.21
(2,2795)	1:117:A:VAL:HG11	1:164:A:ILE:HB	3	3.21
(2,2795)	1:117:A:VAL:HG12	1:164:A:ILE:HB	3	3.21
(2,2795)	1:117:A:VAL:HG13	1:164:A:ILE:HB	3	3.21
(2,3660)	1:24:A:LYS:HG3	1:21:A:MET:H	6	3.2
(2,3315)	1:175:A:ASN:HD22	1:174:A:LEU:HB2	2	3.19
(2,3315)	1:175:A:ASN:HD22	1:174:A:LEU:HB2	13	3.19
(2,3174)	1:156:A:ARG:HB2	1:144:A:ILE:HG12	10	3.18
(2,3785)	1:91:A:GLN:HG2	1:93:A:ASP:H	12	3.17
(2,3660)	1:24:A:LYS:HG3	1:21:A:MET:H	16	3.17
(2,3174)	1:156:A:ARG:HB2	1:144:A:ILE:HG12	1	3.17
(2,3174)	1:156:A:ARG:HB2	1:144:A:ILE:HG12	14	3.17
(2,3174)	1:156:A:ARG:HB2	1:144:A:ILE:HG12	17	3.17
(2,3315)	1:175:A:ASN:HD22	1:174:A:LEU:HB2	4	3.16
(2,3315)	1:175:A:ASN:HD22	1:174:A:LEU:HB2	5	3.16
(2,3315)	1:175:A:ASN:HD22	1:174:A:LEU:HB2	6	3.16
(3,411)	1:97:A:TYR:HA	1:58:A:TYR:H	20	3.15
(2,2533)	1:47:A:TYR:HB3	1:81:A:LYS:HD3	1	3.15
(2,3315)	1:175:A:ASN:HD22	1:174:A:LEU:HB2	18	3.14
(2,2651)	1:149:A:GLN:HB2	1:90:A:ASP:HA	13	3.14
(2,3429)	1:155:A:GLU:HG2	1:159:A:LYS:HE2	4	3.13
(2,3315)	1:175:A:ASN:HD22	1:174:A:LEU:HB2	3	3.13
(2,3315)	1:175:A:ASN:HD22	1:174:A:LEU:HB2	17	3.13
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG11	2	3.12
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG12	2	3.12
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG13	2	3.12
(2,3315)	1:175:A:ASN:HD22	1:174:A:LEU:HB2	19	3.12
(2,3315)	1:175:A:ASN:HD22	1:174:A:LEU:HB2	20	3.12
(2,2533)	1:47:A:TYR:HB3	1:81:A:LYS:HD3	3	3.12
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB2	15	3.12
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB2	15	3.12
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB2	15	3.12
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB3	15	3.12
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB3	15	3.12
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB3	15	3.12
(2,3315)	1:175:A:ASN:HD22	1:174:A:LEU:HB2	10	3.11
(2,2091)	1:168:A:LEU:HB2	1:49:A:ILE:HG12	3	3.11
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB1	3	3.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB2	3	3.11
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB3	3	3.11
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB1	3	3.11
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB2	3	3.11
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB3	3	3.11
(3,411)	1:97:A:TYR:HA	1:58:A:TYR:H	4	3.1
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	15	3.1
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	15	3.1
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	15	3.1
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	15	3.1
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	15	3.1
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	15	3.1
(2,3315)	1:175:A:ASN:HD22	1:174:A:LEU:HB2	9	3.1
(2,1721)	1:24:A:LYS:HE2	1:28:A:LYS:HB2	6	3.09
(2,1188)	1:174:A:LEU:HD11	1:170:A:LEU:HA	14	3.09
(2,1188)	1:174:A:LEU:HD12	1:170:A:LEU:HA	14	3.09
(2,1188)	1:174:A:LEU:HD13	1:170:A:LEU:HA	14	3.09
(2,4857)	1:149:A:GLN:HG3	1:91:A:GLN:H	7	3.08
(2,3315)	1:175:A:ASN:HD22	1:174:A:LEU:HB2	11	3.08
(2,2940)	1:112:A:ARG:HD2	1:111:A:PRO:HB3	8	3.08
(2,1721)	1:24:A:LYS:HE2	1:28:A:LYS:HB2	16	3.08
(2,798)	1:112:A:ARG:HD2	1:111:A:PRO:HG2	2	3.08
(2,97)	1:163:A:GLN:HG3	1:120:A:TRP:HZ2	16	3.07
(2,2651)	1:149:A:GLN:HB2	1:90:A:ASP:HA	5	3.06
(2,2651)	1:149:A:GLN:HB2	1:90:A:ASP:HA	18	3.06
(2,2356)	1:80:A:GLY:H	1:81:A:LYS:HE3	1	3.06
(3,411)	1:97:A:TYR:HA	1:58:A:TYR:H	5	3.05
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD1	16	3.05
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD2	16	3.05
(2,4981)	1:111:A:PRO:HG2	1:112:A:ARG:HE	11	3.05
(2,798)	1:112:A:ARG:HD2	1:111:A:PRO:HG2	18	3.05
(2,1188)	1:174:A:LEU:HD11	1:170:A:LEU:HA	8	3.04
(2,1188)	1:174:A:LEU:HD12	1:170:A:LEU:HA	8	3.04
(2,1188)	1:174:A:LEU:HD13	1:170:A:LEU:HA	8	3.04
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD1	11	3.04
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD2	11	3.04
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD1	11	3.04
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD2	11	3.04
(2,4557)	1:38:A:LYS:HD2	1:37:A:ALA:H	3	3.02
(2,2356)	1:80:A:GLY:H	1:81:A:LYS:HE3	16	3.02
(2,3785)	1:91:A:GLN:HG2	1:93:A:ASP:H	19	3.01
(2,2564)	1:150:A:PRO:HA	1:144:A:ILE:HG12	9	3.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1188)	1:174:A:LEU:HD11	1:170:A:LEU:HA	7	3.01
(2,1188)	1:174:A:LEU:HD12	1:170:A:LEU:HA	7	3.01
(2,1188)	1:174:A:LEU:HD13	1:170:A:LEU:HA	7	3.01
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE1	13	3.01
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE2	13	3.01
(2,4127)	1:162:A:LYS:HG2	1:25:A:GLN:HE21	15	3.0
(2,3896)	1:26:A:LEU:HD11	1:24:A:LYS:H	3	3.0
(2,3896)	1:26:A:LEU:HD12	1:24:A:LYS:H	3	3.0
(2,3896)	1:26:A:LEU:HD13	1:24:A:LYS:H	3	3.0
(2,4127)	1:162:A:LYS:HG2	1:25:A:GLN:HE21	1	2.99
(2,4127)	1:162:A:LYS:HG2	1:25:A:GLN:HE21	18	2.99
(2,1188)	1:174:A:LEU:HD11	1:170:A:LEU:HA	15	2.99
(2,1188)	1:174:A:LEU:HD12	1:170:A:LEU:HA	15	2.99
(2,1188)	1:174:A:LEU:HD13	1:170:A:LEU:HA	15	2.99
(2,798)	1:112:A:ARG:HD2	1:111:A:PRO:HG2	16	2.99
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB1	20	2.99
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB2	20	2.99
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB3	20	2.99
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB1	20	2.99
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB2	20	2.99
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB3	20	2.99
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE1	14	2.99
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE2	14	2.99
(2,3263)	1:146:A:GLU:H	1:144:A:ILE:HG12	14	2.98
(2,1188)	1:174:A:LEU:HD11	1:170:A:LEU:HA	1	2.98
(2,1188)	1:174:A:LEU:HD12	1:170:A:LEU:HA	1	2.98
(2,1188)	1:174:A:LEU:HD13	1:170:A:LEU:HA	1	2.98
(3,411)	1:97:A:TYR:HA	1:58:A:TYR:H	1	2.97
(3,411)	1:97:A:TYR:HA	1:58:A:TYR:H	12	2.97
(2,3896)	1:26:A:LEU:HD11	1:24:A:LYS:H	12	2.97
(2,3896)	1:26:A:LEU:HD12	1:24:A:LYS:H	12	2.97
(2,3896)	1:26:A:LEU:HD13	1:24:A:LYS:H	12	2.97
(2,3263)	1:146:A:GLU:H	1:144:A:ILE:HG12	19	2.97
(2,798)	1:112:A:ARG:HD2	1:111:A:PRO:HG2	5	2.97
(2,1188)	1:174:A:LEU:HD11	1:170:A:LEU:HA	2	2.96
(2,1188)	1:174:A:LEU:HD12	1:170:A:LEU:HA	2	2.96
(2,1188)	1:174:A:LEU:HD13	1:170:A:LEU:HA	2	2.96
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB1	9	2.96
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB2	9	2.96
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB3	9	2.96
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB1	9	2.96
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB2	9	2.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB3	9	2.96
(2,4127)	1:162:A:LYS:HG2	1:25:A:GLN:HE21	9	2.95
(2,3315)	1:175:A:ASN:HD22	1:174:A:LEU:HB2	15	2.95
(2,3174)	1:156:A:ARG:HB2	1:144:A:ILE:HG12	20	2.95
(2,751)	1:163:A:GLN:HA	1:166:A:GLU:HG2	12	2.95
(2,2564)	1:150:A:PRO:HA	1:144:A:ILE:HG12	17	2.94
(2,1203)	1:30:A:VAL:HG11	1:174:A:LEU:HA	14	2.94
(2,1203)	1:30:A:VAL:HG12	1:174:A:LEU:HA	14	2.94
(2,1203)	1:30:A:VAL:HG13	1:174:A:LEU:HA	14	2.94
(2,798)	1:112:A:ARG:HD2	1:111:A:PRO:HG2	7	2.94
(2,4127)	1:162:A:LYS:HG2	1:25:A:GLN:HE21	2	2.93
(2,3429)	1:155:A:GLU:HG2	1:159:A:LYS:HE2	9	2.93
(2,3315)	1:175:A:ASN:HD22	1:174:A:LEU:HB2	12	2.93
(2,2795)	1:117:A:VAL:HG11	1:164:A:ILE:HB	7	2.93
(2,2795)	1:117:A:VAL:HG12	1:164:A:ILE:HB	7	2.93
(2,2795)	1:117:A:VAL:HG13	1:164:A:ILE:HB	7	2.93
(2,1188)	1:174:A:LEU:HD11	1:170:A:LEU:HA	9	2.92
(2,1188)	1:174:A:LEU:HD12	1:170:A:LEU:HA	9	2.92
(2,1188)	1:174:A:LEU:HD13	1:170:A:LEU:HA	9	2.92
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE1	19	2.92
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE2	19	2.92
(2,4127)	1:162:A:LYS:HG2	1:25:A:GLN:HE21	20	2.91
(2,2356)	1:80:A:GLY:H	1:81:A:LYS:HE3	4	2.91
(3,411)	1:97:A:TYR:HA	1:58:A:TYR:H	14	2.9
(2,5177)	1:146:A:GLU:HB2	1:151:A:GLU:H	15	2.9
(2,3896)	1:26:A:LEU:HD11	1:24:A:LYS:H	15	2.9
(2,3896)	1:26:A:LEU:HD12	1:24:A:LYS:H	15	2.9
(2,3896)	1:26:A:LEU:HD13	1:24:A:LYS:H	15	2.9
(2,3785)	1:91:A:GLN:HG2	1:93:A:ASP:H	15	2.9
(2,4127)	1:162:A:LYS:HG2	1:25:A:GLN:HE21	14	2.89
(2,3896)	1:26:A:LEU:HD11	1:24:A:LYS:H	8	2.89
(2,3896)	1:26:A:LEU:HD12	1:24:A:LYS:H	8	2.89
(2,3896)	1:26:A:LEU:HD13	1:24:A:LYS:H	8	2.89
(2,4490)	1:174:A:LEU:HD11	1:26:A:LEU:H	11	2.87
(2,4490)	1:174:A:LEU:HD12	1:26:A:LEU:H	11	2.87
(2,4490)	1:174:A:LEU:HD13	1:26:A:LEU:H	11	2.87
(2,4127)	1:162:A:LYS:HG2	1:25:A:GLN:HE21	16	2.87
(2,4127)	1:162:A:LYS:HG2	1:25:A:GLN:HE21	19	2.87
(2,3896)	1:26:A:LEU:HD11	1:24:A:LYS:H	11	2.87
(2,3896)	1:26:A:LEU:HD12	1:24:A:LYS:H	11	2.87
(2,3896)	1:26:A:LEU:HD13	1:24:A:LYS:H	11	2.87
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG21	6	2.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG22	6	2.87
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG23	6	2.87
(2,4383)	1:66:A:TRP:HZ3	1:9:A:GLY:H	3	2.86
(2,1925)	1:38:A:LYS:HE2	1:39:A:SER:HB3	20	2.86
(2,1188)	1:174:A:LEU:HD11	1:170:A:LEU:HA	6	2.86
(2,1188)	1:174:A:LEU:HD12	1:170:A:LEU:HA	6	2.86
(2,1188)	1:174:A:LEU:HD13	1:170:A:LEU:HA	6	2.86
(2,1188)	1:174:A:LEU:HD11	1:170:A:LEU:HA	17	2.86
(2,1188)	1:174:A:LEU:HD12	1:170:A:LEU:HA	17	2.86
(2,1188)	1:174:A:LEU:HD13	1:170:A:LEU:HA	17	2.86
(2,97)	1:163:A:GLN:HG3	1:120:A:TRP:HZ2	17	2.85
(2,3428)	1:155:A:GLU:HB2	1:159:A:LYS:HE2	17	2.83
(2,2651)	1:149:A:GLN:HB2	1:90:A:ASP:HA	9	2.83
(2,1188)	1:174:A:LEU:HD11	1:170:A:LEU:HA	16	2.83
(2,1188)	1:174:A:LEU:HD12	1:170:A:LEU:HA	16	2.83
(2,1188)	1:174:A:LEU:HD13	1:170:A:LEU:HA	16	2.83
(2,4866)	1:91:A:GLN:HG3	1:93:A:ASP:H	4	2.82
(2,816)	1:165:A:SER:HA	1:26:A:LEU:HG	11	2.82
(2,751)	1:163:A:GLN:HA	1:166:A:GLU:HG2	16	2.82
(2,746)	1:169:A:HIS:HB2	1:172:A:GLU:HG2	7	2.82
(2,746)	1:169:A:HIS:HB2	1:172:A:GLU:HG2	8	2.82
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB1	16	2.82
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB2	16	2.82
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB3	16	2.82
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB1	16	2.82
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB2	16	2.82
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB3	16	2.82
(3,105)	1:64:A:CYS:HB2	1:37:A:ALA:HA	16	2.81
(2,4383)	1:66:A:TRP:HZ3	1:9:A:GLY:H	2	2.81
(2,2795)	1:117:A:VAL:HG11	1:164:A:ILE:HB	2	2.81
(2,2795)	1:117:A:VAL:HG12	1:164:A:ILE:HB	2	2.81
(2,2795)	1:117:A:VAL:HG13	1:164:A:ILE:HB	2	2.81
(2,1188)	1:174:A:LEU:HD11	1:170:A:LEU:HA	19	2.81
(2,1188)	1:174:A:LEU:HD12	1:170:A:LEU:HA	19	2.81
(2,1188)	1:174:A:LEU:HD13	1:170:A:LEU:HA	19	2.81
(2,4557)	1:38:A:LYS:HD2	1:37:A:ALA:H	8	2.8
(2,1188)	1:174:A:LEU:HD11	1:170:A:LEU:HA	10	2.8
(2,1188)	1:174:A:LEU:HD12	1:170:A:LEU:HA	10	2.8
(2,1188)	1:174:A:LEU:HD13	1:170:A:LEU:HA	10	2.8
(3,411)	1:97:A:TYR:HA	1:58:A:TYR:H	6	2.79
(2,4932)	1:106:A:ARG:HB2	1:104:A:THR:H	6	2.79
(2,3263)	1:146:A:GLU:H	1:144:A:ILE:HG12	9	2.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1188)	1:174:A:LEU:HD11	1:170:A:LEU:HA	4	2.79
(2,1188)	1:174:A:LEU:HD12	1:170:A:LEU:HA	4	2.79
(2,1188)	1:174:A:LEU:HD13	1:170:A:LEU:HA	4	2.79
(2,1188)	1:174:A:LEU:HD11	1:170:A:LEU:HA	18	2.79
(2,1188)	1:174:A:LEU:HD12	1:170:A:LEU:HA	18	2.79
(2,1188)	1:174:A:LEU:HD13	1:170:A:LEU:HA	18	2.79
(2,1188)	1:174:A:LEU:HD11	1:170:A:LEU:HA	20	2.79
(2,1188)	1:174:A:LEU:HD12	1:170:A:LEU:HA	20	2.79
(2,1188)	1:174:A:LEU:HD13	1:170:A:LEU:HA	20	2.79
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD11	7	2.78
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD12	7	2.78
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD13	7	2.78
(2,1188)	1:174:A:LEU:HD11	1:170:A:LEU:HA	13	2.78
(2,1188)	1:174:A:LEU:HD12	1:170:A:LEU:HA	13	2.78
(2,1188)	1:174:A:LEU:HD13	1:170:A:LEU:HA	13	2.78
(2,1188)	1:174:A:LEU:HD11	1:170:A:LEU:HA	5	2.77
(2,1188)	1:174:A:LEU:HD12	1:170:A:LEU:HA	5	2.77
(2,1188)	1:174:A:LEU:HD13	1:170:A:LEU:HA	5	2.77
(2,4383)	1:66:A:TRP:HZ3	1:9:A:GLY:H	6	2.76
(2,2795)	1:117:A:VAL:HG11	1:164:A:ILE:HB	12	2.76
(2,2795)	1:117:A:VAL:HG12	1:164:A:ILE:HB	12	2.76
(2,2795)	1:117:A:VAL:HG13	1:164:A:ILE:HB	12	2.76
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD11	2	2.76
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD12	2	2.76
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD13	2	2.76
(2,751)	1:163:A:GLN:HA	1:166:A:GLU:HG2	6	2.76
(2,4383)	1:66:A:TRP:HZ3	1:9:A:GLY:H	12	2.75
(2,1188)	1:174:A:LEU:HD11	1:170:A:LEU:HA	11	2.75
(2,1188)	1:174:A:LEU:HD12	1:170:A:LEU:HA	11	2.75
(2,1188)	1:174:A:LEU:HD13	1:170:A:LEU:HA	11	2.75
(2,3896)	1:26:A:LEU:HD11	1:24:A:LYS:H	6	2.74
(2,3896)	1:26:A:LEU:HD12	1:24:A:LYS:H	6	2.74
(2,3896)	1:26:A:LEU:HD13	1:24:A:LYS:H	6	2.74
(2,3896)	1:26:A:LEU:HD11	1:24:A:LYS:H	19	2.74
(2,3896)	1:26:A:LEU:HD12	1:24:A:LYS:H	19	2.74
(2,3896)	1:26:A:LEU:HD13	1:24:A:LYS:H	19	2.74
(2,2795)	1:117:A:VAL:HG11	1:164:A:ILE:HB	8	2.74
(2,2795)	1:117:A:VAL:HG12	1:164:A:ILE:HB	8	2.74
(2,2795)	1:117:A:VAL:HG13	1:164:A:ILE:HB	8	2.74
(2,2795)	1:117:A:VAL:HG11	1:164:A:ILE:HB	18	2.73
(2,2795)	1:117:A:VAL:HG12	1:164:A:ILE:HB	18	2.73
(2,2795)	1:117:A:VAL:HG13	1:164:A:ILE:HB	18	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD11	14	2.73
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD12	14	2.73
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD13	14	2.73
(2,816)	1:165:A:SER:HA	1:26:A:LEU:HG	5	2.73
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB1	10	2.73
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB2	10	2.73
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB3	10	2.73
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB1	10	2.73
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB2	10	2.73
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB3	10	2.73
(3,411)	1:97:A:TYR:HA	1:58:A:TYR:H	15	2.72
(2,2651)	1:149:A:GLN:HB2	1:90:A:ASP:HA	3	2.72
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD11	12	2.72
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD12	12	2.72
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD13	12	2.72
(2,3896)	1:26:A:LEU:HD11	1:24:A:LYS:H	14	2.71
(2,3896)	1:26:A:LEU:HD12	1:24:A:LYS:H	14	2.71
(2,3896)	1:26:A:LEU:HD13	1:24:A:LYS:H	14	2.71
(2,3263)	1:146:A:GLU:H	1:144:A:ILE:HG12	13	2.71
(2,751)	1:163:A:GLN:HA	1:166:A:GLU:HG2	5	2.71
(3,411)	1:97:A:TYR:HA	1:58:A:TYR:H	19	2.7
(2,4981)	1:111:A:PRO:HG2	1:112:A:ARG:HE	12	2.7
(2,4383)	1:66:A:TRP:HZ3	1:9:A:GLY:H	19	2.7
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD11	5	2.7
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD12	5	2.7
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD13	5	2.7
(2,751)	1:163:A:GLN:HA	1:166:A:GLU:HG2	20	2.7
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD1	11	2.7
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD2	11	2.7
(2,4127)	1:162:A:LYS:HG2	1:25:A:GLN:HE21	7	2.69
(2,2651)	1:149:A:GLN:HB2	1:90:A:ASP:HA	11	2.69
(2,2651)	1:149:A:GLN:HB2	1:90:A:ASP:HA	17	2.69
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG11	3	2.69
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG12	3	2.69
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG13	3	2.69
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG11	3	2.69
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG12	3	2.69
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG13	3	2.69
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG11	3	2.69
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG12	3	2.69
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG13	3	2.69
(2,751)	1:163:A:GLN:HA	1:166:A:GLU:HG2	11	2.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB1	2	2.69
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB2	2	2.69
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB3	2	2.69
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB1	2	2.69
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB2	2	2.69
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB3	2	2.69
(3,105)	1:64:A:CYS:HB2	1:37:A:ALA:HA	9	2.68
(2,4960)	1:73:A:LEU:HD11	1:108:A:ILE:H	10	2.68
(2,4960)	1:73:A:LEU:HD12	1:108:A:ILE:H	10	2.68
(2,4960)	1:73:A:LEU:HD13	1:108:A:ILE:H	10	2.68
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD11	3	2.68
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD12	3	2.68
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD13	3	2.68
(2,2795)	1:117:A:VAL:HG11	1:164:A:ILE:HB	4	2.68
(2,2795)	1:117:A:VAL:HG12	1:164:A:ILE:HB	4	2.68
(2,2795)	1:117:A:VAL:HG13	1:164:A:ILE:HB	4	2.68
(2,2795)	1:117:A:VAL:HG11	1:164:A:ILE:HB	19	2.68
(2,2795)	1:117:A:VAL:HG12	1:164:A:ILE:HB	19	2.68
(2,2795)	1:117:A:VAL:HG13	1:164:A:ILE:HB	19	2.68
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG11	7	2.68
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG12	7	2.68
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG13	7	2.68
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG11	7	2.68
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG12	7	2.68
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG13	7	2.68
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG11	7	2.68
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG12	7	2.68
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG13	7	2.68
(2,3429)	1:155:A:GLU:HG2	1:159:A:LYS:HE2	2	2.67
(2,3315)	1:175:A:ASN:HD22	1:174:A:LEU:HB2	1	2.67
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD11	8	2.67
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD12	8	2.67
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD13	8	2.67
(2,1188)	1:174:A:LEU:HD11	1:170:A:LEU:HA	3	2.67
(2,1188)	1:174:A:LEU:HD12	1:170:A:LEU:HA	3	2.67
(2,1188)	1:174:A:LEU:HD13	1:170:A:LEU:HA	3	2.67
(2,751)	1:163:A:GLN:HA	1:166:A:GLU:HG2	19	2.67
(2,97)	1:163:A:GLN:HG3	1:120:A:TRP:HZ2	8	2.67
(2,3429)	1:155:A:GLU:HG2	1:159:A:LYS:HE2	17	2.66
(2,3259)	1:41:A:LYS:HG3	1:42:A:GLU:HG3	2	2.66
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD11	1	2.66
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD12	1	2.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD13	1	2.66
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG11	5	2.66
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG12	5	2.66
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG13	5	2.66
(2,3429)	1:155:A:GLU:HG2	1:159:A:LYS:HE2	5	2.65
(2,2795)	1:117:A:VAL:HG11	1:164:A:ILE:HB	14	2.65
(2,2795)	1:117:A:VAL:HG12	1:164:A:ILE:HB	14	2.65
(2,2795)	1:117:A:VAL:HG13	1:164:A:ILE:HB	14	2.65
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD11	11	2.65
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD12	11	2.65
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD13	11	2.65
(2,5148)	1:156:A:ARG:HG2	1:145:A:ASP:H	2	2.64
(2,3785)	1:91:A:GLN:HG2	1:93:A:ASP:H	20	2.64
(2,3429)	1:155:A:GLU:HG2	1:159:A:LYS:HE2	3	2.64
(2,3429)	1:155:A:GLU:HG2	1:159:A:LYS:HE2	16	2.64
(2,1713)	1:174:A:LEU:HD11	1:166:A:GLU:HA	14	2.64
(2,1713)	1:174:A:LEU:HD12	1:166:A:GLU:HA	14	2.64
(2,1713)	1:174:A:LEU:HD13	1:166:A:GLU:HA	14	2.64
(2,751)	1:163:A:GLN:HA	1:166:A:GLU:HG2	18	2.64
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB1	18	2.64
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB2	18	2.64
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB3	18	2.64
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB1	18	2.64
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB2	18	2.64
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB3	18	2.64
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD1	20	2.64
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD2	20	2.64
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD1	20	2.64
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD2	20	2.64
(2,5044)	1:128:A:GLU:HG3	1:127:A:PHE:H	18	2.63
(2,4960)	1:73:A:LEU:HD11	1:108:A:ILE:H	16	2.63
(2,4960)	1:73:A:LEU:HD12	1:108:A:ILE:H	16	2.63
(2,4960)	1:73:A:LEU:HD13	1:108:A:ILE:H	16	2.63
(2,3429)	1:155:A:GLU:HG2	1:159:A:LYS:HE2	6	2.63
(2,2795)	1:117:A:VAL:HG11	1:164:A:ILE:HB	10	2.63
(2,2795)	1:117:A:VAL:HG12	1:164:A:ILE:HB	10	2.63
(2,2795)	1:117:A:VAL:HG13	1:164:A:ILE:HB	10	2.63
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD11	9	2.63
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD12	9	2.63
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD13	9	2.63
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG11	18	2.63
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG12	18	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG13	18	2.63
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG11	18	2.63
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG12	18	2.63
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG13	18	2.63
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG11	18	2.63
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG12	18	2.63
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG13	18	2.63
(2,798)	1:112:A:ARG:HD2	1:111:A:PRO:HG2	11	2.63
(2,5300)	1:82:A:LEU:HD21	1:168:A:LEU:H	15	2.62
(2,5300)	1:82:A:LEU:HD22	1:168:A:LEU:H	15	2.62
(2,5300)	1:82:A:LEU:HD23	1:168:A:LEU:H	15	2.62
(2,3785)	1:91:A:GLN:HG2	1:93:A:ASP:H	1	2.62
(2,2940)	1:112:A:ARG:HD2	1:111:A:PRO:HB3	9	2.62
(2,2795)	1:117:A:VAL:HG11	1:164:A:ILE:HB	13	2.62
(2,2795)	1:117:A:VAL:HG12	1:164:A:ILE:HB	13	2.62
(2,2795)	1:117:A:VAL:HG13	1:164:A:ILE:HB	13	2.62
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD11	6	2.62
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD12	6	2.62
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD13	6	2.62
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD11	13	2.62
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD12	13	2.62
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD13	13	2.62
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG11	10	2.62
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG12	10	2.62
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG13	10	2.62
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG11	10	2.62
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG12	10	2.62
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG13	10	2.62
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG11	10	2.62
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG12	10	2.62
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG13	10	2.62
(2,3263)	1:146:A:GLU:H	1:144:A:ILE:HG12	1	2.61
(2,798)	1:112:A:ARG:HD2	1:111:A:PRO:HG2	13	2.61
(2,746)	1:169:A:HIS:HB2	1:172:A:GLU:HG2	12	2.61
(2,3785)	1:91:A:GLN:HG2	1:93:A:ASP:H	9	2.6
(2,3263)	1:146:A:GLU:H	1:144:A:ILE:HG12	2	2.6
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD11	4	2.6
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD12	4	2.6
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD13	4	2.6
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD11	20	2.6
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD12	20	2.6
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD13	20	2.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1659)	1:34:A:HIS:HB2	1:38:A:LYS:HE3	14	2.6
(2,816)	1:165:A:SER:HA	1:26:A:LEU:HG	13	2.6
(2,4981)	1:111:A:PRO:HG2	1:112:A:ARG:HE	14	2.59
(2,2533)	1:47:A:TYR:HB3	1:81:A:LYS:HD3	10	2.59
(2,1202)	1:20:A:LYS:HD2	1:17:A:ASN:HA	8	2.59
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD1	11	2.58
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD2	11	2.58
(2,4127)	1:162:A:LYS:HG2	1:25:A:GLN:HE21	10	2.58
(2,3827)	1:145:A:ASP:HB2	1:147:A:ASP:H	6	2.58
(2,3257)	1:115:A:THR:HA	1:110:A:GLU:HG3	7	2.58
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG21	10	2.58
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG22	10	2.58
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG23	10	2.58
(2,2795)	1:117:A:VAL:HG11	1:164:A:ILE:HB	20	2.58
(2,2795)	1:117:A:VAL:HG12	1:164:A:ILE:HB	20	2.58
(2,2795)	1:117:A:VAL:HG13	1:164:A:ILE:HB	20	2.58
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD11	19	2.58
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD12	19	2.58
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD13	19	2.58
(2,2479)	1:30:A:VAL:HG11	1:173:A:ILE:HB	15	2.58
(2,2479)	1:30:A:VAL:HG12	1:173:A:ILE:HB	15	2.58
(2,2479)	1:30:A:VAL:HG13	1:173:A:ILE:HB	15	2.58
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD11	2	2.58
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD12	2	2.58
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD13	2	2.58
(2,1721)	1:24:A:LYS:HE2	1:28:A:LYS:HB2	13	2.58
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG11	15	2.58
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG12	15	2.58
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG13	15	2.58
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD11	5	2.58
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD12	5	2.58
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD13	5	2.58
(2,798)	1:112:A:ARG:HD2	1:111:A:PRO:HG2	12	2.58
(2,5344)	1:171:A:ASP:HB2	1:175:A:ASN:HD22	7	2.57
(2,4960)	1:73:A:LEU:HD11	1:108:A:ILE:H	14	2.57
(2,4960)	1:73:A:LEU:HD12	1:108:A:ILE:H	14	2.57
(2,4960)	1:73:A:LEU:HD13	1:108:A:ILE:H	14	2.57
(2,2461)	1:74:A:GLU:HG2	1:75:A:GLU:HG3	6	2.57
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD11	16	2.57
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD12	16	2.57
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD13	16	2.57
(2,5300)	1:82:A:LEU:HD21	1:168:A:LEU:H	16	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5300)	1:82:A:LEU:HD22	1:168:A:LEU:H	16	2.56
(2,5300)	1:82:A:LEU:HD23	1:168:A:LEU:H	16	2.56
(2,4857)	1:149:A:GLN:HG3	1:91:A:GLN:H	17	2.56
(2,3827)	1:145:A:ASP:HB2	1:147:A:ASP:H	10	2.56
(2,2795)	1:117:A:VAL:HG11	1:164:A:ILE:HB	9	2.56
(2,2795)	1:117:A:VAL:HG12	1:164:A:ILE:HB	9	2.56
(2,2795)	1:117:A:VAL:HG13	1:164:A:ILE:HB	9	2.56
(2,5044)	1:128:A:GLU:HG3	1:127:A:PHE:H	8	2.55
(2,5044)	1:128:A:GLU:HG3	1:127:A:PHE:H	13	2.55
(2,4960)	1:73:A:LEU:HD11	1:108:A:ILE:H	11	2.55
(2,4960)	1:73:A:LEU:HD12	1:108:A:ILE:H	11	2.55
(2,4960)	1:73:A:LEU:HD13	1:108:A:ILE:H	11	2.55
(2,2795)	1:117:A:VAL:HG11	1:164:A:ILE:HB	5	2.55
(2,2795)	1:117:A:VAL:HG12	1:164:A:ILE:HB	5	2.55
(2,2795)	1:117:A:VAL:HG13	1:164:A:ILE:HB	5	2.55
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD11	17	2.55
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD12	17	2.55
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD13	17	2.55
(2,798)	1:112:A:ARG:HD2	1:111:A:PRO:HG2	15	2.55
(2,5344)	1:171:A:ASP:HB2	1:175:A:ASN:HD22	8	2.54
(2,5300)	1:82:A:LEU:HD21	1:168:A:LEU:H	18	2.54
(2,5300)	1:82:A:LEU:HD22	1:168:A:LEU:H	18	2.54
(2,5300)	1:82:A:LEU:HD23	1:168:A:LEU:H	18	2.54
(2,4052)	1:38:A:LYS:HD2	1:38:A:LYS:H	3	2.54
(2,3827)	1:145:A:ASP:HB2	1:147:A:ASP:H	1	2.53
(2,3517)	1:170:A:LEU:HD11	1:173:A:ILE:HB	3	2.53
(2,3517)	1:170:A:LEU:HD12	1:173:A:ILE:HB	3	2.53
(2,3517)	1:170:A:LEU:HD13	1:173:A:ILE:HB	3	2.53
(2,3263)	1:146:A:GLU:H	1:144:A:ILE:HG12	12	2.53
(2,3174)	1:156:A:ARG:HB2	1:144:A:ILE:HG12	3	2.53
(2,3174)	1:156:A:ARG:HB2	1:144:A:ILE:HG12	6	2.53
(2,5044)	1:128:A:GLU:HG3	1:127:A:PHE:H	5	2.52
(2,4960)	1:73:A:LEU:HD11	1:108:A:ILE:H	17	2.52
(2,4960)	1:73:A:LEU:HD12	1:108:A:ILE:H	17	2.52
(2,4960)	1:73:A:LEU:HD13	1:108:A:ILE:H	17	2.52
(2,4692)	1:61:A:GLU:HG3	1:59:A:TYR:H	6	2.52
(2,3896)	1:26:A:LEU:HD11	1:24:A:LYS:H	9	2.52
(2,3896)	1:26:A:LEU:HD12	1:24:A:LYS:H	9	2.52
(2,3896)	1:26:A:LEU:HD13	1:24:A:LYS:H	9	2.52
(2,2651)	1:149:A:GLN:HB2	1:90:A:ASP:HA	8	2.52
(2,1721)	1:24:A:LYS:HE2	1:28:A:LYS:HB2	4	2.52
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD21	1	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD22	1	2.52
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD23	1	2.52
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD21	1	2.52
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD22	1	2.52
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD23	1	2.52
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD21	1	2.52
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD22	1	2.52
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD23	1	2.52
(2,5044)	1:128:A:GLU:HG3	1:127:A:PHE:H	1	2.51
(2,2651)	1:149:A:GLN:HB2	1:90:A:ASP:HA	12	2.51
(2,94)	1:33:A:VAL:HA	1:34:A:HIS:HD2	20	2.51
(2,5044)	1:128:A:GLU:HG3	1:127:A:PHE:H	17	2.5
(2,816)	1:165:A:SER:HA	1:26:A:LEU:HG	1	2.5
(2,5044)	1:128:A:GLU:HG3	1:127:A:PHE:H	12	2.49
(2,4052)	1:38:A:LYS:HD2	1:38:A:LYS:H	8	2.49
(2,3827)	1:145:A:ASP:HB2	1:147:A:ASP:H	18	2.49
(2,3174)	1:156:A:ARG:HB2	1:144:A:ILE:HG12	2	2.49
(2,2795)	1:117:A:VAL:HG11	1:164:A:ILE:HB	11	2.49
(2,2795)	1:117:A:VAL:HG12	1:164:A:ILE:HB	11	2.49
(2,2795)	1:117:A:VAL:HG13	1:164:A:ILE:HB	11	2.49
(2,2461)	1:74:A:GLU:HG2	1:75:A:GLU:HG3	13	2.48
(2,1925)	1:38:A:LYS:HE2	1:39:A:SER:HB3	6	2.48
(2,1721)	1:24:A:LYS:HE2	1:28:A:LYS:HB2	7	2.48
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG11	20	2.48
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG12	20	2.48
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG13	20	2.48
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG11	20	2.48
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG12	20	2.48
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG13	20	2.48
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG11	20	2.48
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG12	20	2.48
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG13	20	2.48
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD11	7	2.48
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD12	7	2.48
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD13	7	2.48
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG21	16	2.48
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG22	16	2.48
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG23	16	2.48
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE1	8	2.48
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE2	8	2.48
(3,105)	1:64:A:CYS:HB2	1:37:A:ALA:HA	5	2.47
(2,5148)	1:156:A:ARG:HG2	1:145:A:ASP:H	17	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5044)	1:128:A:GLU:HG3	1:127:A:PHE:H	7	2.47
(2,5044)	1:128:A:GLU:HG3	1:127:A:PHE:H	11	2.47
(2,4171)	1:102:A:LEU:HD11	1:141:A:GLY:H	19	2.47
(2,4171)	1:102:A:LEU:HD12	1:141:A:GLY:H	19	2.47
(2,4171)	1:102:A:LEU:HD13	1:141:A:GLY:H	19	2.47
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD11	2	2.47
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD12	2	2.47
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD13	2	2.47
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD11	19	2.47
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD12	19	2.47
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD13	19	2.47
(2,746)	1:169:A:HIS:HB2	1:172:A:GLU:HG2	1	2.47
(2,5044)	1:128:A:GLU:HG3	1:127:A:PHE:H	20	2.46
(2,4857)	1:149:A:GLN:HG3	1:91:A:GLN:H	16	2.46
(3,569)	1:91:A:GLN:HG2	1:126:A:HIS:H	14	2.45
(2,816)	1:165:A:SER:HA	1:26:A:LEU:HG	17	2.45
(2,2651)	1:149:A:GLN:HB2	1:90:A:ASP:HA	6	2.44
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD11	3	2.44
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD12	3	2.44
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD13	3	2.44
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD11	15	2.44
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD12	15	2.44
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD13	15	2.44
(2,816)	1:165:A:SER:HA	1:26:A:LEU:HG	15	2.44
(2,5238)	1:25:A:GLN:HE22	1:160:A:TRP:H	12	2.43
(2,5148)	1:156:A:ARG:HG2	1:145:A:ASP:H	4	2.43
(2,3987)	1:49:A:ILE:HD11	1:170:A:LEU:H	14	2.43
(2,3987)	1:49:A:ILE:HD12	1:170:A:LEU:H	14	2.43
(2,3987)	1:49:A:ILE:HD13	1:170:A:LEU:H	14	2.43
(2,3660)	1:24:A:LYS:HG3	1:21:A:MET:H	2	2.43
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG11	19	2.43
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG12	19	2.43
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG13	19	2.43
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG11	19	2.43
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG12	19	2.43
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG13	19	2.43
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG11	19	2.43
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG12	19	2.43
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG13	19	2.43
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD11	7	2.43
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD12	7	2.43
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD13	7	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5044)	1:128:A:GLU:HG3	1:127:A:PHE:H	4	2.42
(2,3934)	1:91:A:GLN:HG2	1:92:A:GLU:H	10	2.42
(2,2842)	1:116:A:ILE:HG12	1:106:A:ARG:HD3	3	2.42
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD11	15	2.42
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD12	15	2.42
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD13	15	2.42
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE1	7	2.42
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE2	7	2.42
(2,5238)	1:25:A:GLN:HE22	1:160:A:TRP:H	13	2.41
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG11	14	2.41
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG12	14	2.41
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG13	14	2.41
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD11	13	2.41
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD12	13	2.41
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD13	13	2.41
(2,5300)	1:82:A:LEU:HD21	1:168:A:LEU:H	6	2.4
(2,5300)	1:82:A:LEU:HD22	1:168:A:LEU:H	6	2.4
(2,5300)	1:82:A:LEU:HD23	1:168:A:LEU:H	6	2.4
(2,3429)	1:155:A:GLU:HG2	1:159:A:LYS:HE2	18	2.4
(2,3263)	1:146:A:GLU:H	1:144:A:ILE:HG12	11	2.4
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG21	17	2.4
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG22	17	2.4
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG23	17	2.4
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB1	7	2.4
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB2	7	2.4
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB3	7	2.4
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB1	7	2.4
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB2	7	2.4
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB3	7	2.4
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD21	14	2.4
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD22	14	2.4
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD23	14	2.4
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD21	14	2.4
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD22	14	2.4
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD23	14	2.4
(3,569)	1:91:A:GLN:HG2	1:126:A:HIS:H	15	2.39
(2,5044)	1:128:A:GLU:HG3	1:127:A:PHE:H	9	2.39
(2,4960)	1:73:A:LEU:HD11	1:108:A:ILE:H	13	2.39
(2,4960)	1:73:A:LEU:HD12	1:108:A:ILE:H	13	2.39
(2,4960)	1:73:A:LEU:HD13	1:108:A:ILE:H	13	2.39
(2,3118)	1:92:A:GLU:HG2	1:148:A:ARG:HA	10	2.39
(2,2842)	1:116:A:ILE:HG12	1:106:A:ARG:HD3	8	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2795)	1:117:A:VAL:HG11	1:164:A:ILE:HB	16	2.39
(2,2795)	1:117:A:VAL:HG12	1:164:A:ILE:HB	16	2.39
(2,2795)	1:117:A:VAL:HG13	1:164:A:ILE:HB	16	2.39
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD11	17	2.39
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD12	17	2.39
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD13	17	2.39
(2,2461)	1:74:A:GLU:HG2	1:75:A:GLU:HG3	4	2.39
(2,1678)	1:174:A:LEU:HB3	1:26:A:LEU:HA	3	2.39
(2,4960)	1:73:A:LEU:HD11	1:108:A:ILE:H	7	2.38
(2,4960)	1:73:A:LEU:HD12	1:108:A:ILE:H	7	2.38
(2,4960)	1:73:A:LEU:HD13	1:108:A:ILE:H	7	2.38
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB1	1	2.38
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB2	1	2.38
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB3	1	2.38
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB1	1	2.38
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB2	1	2.38
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB3	1	2.38
(3,569)	1:91:A:GLN:HG2	1:126:A:HIS:H	9	2.37
(2,2651)	1:149:A:GLN:HB2	1:90:A:ASP:HA	7	2.37
(2,1453)	1:20:A:LYS:HE2	1:16:A:GLU:HG2	18	2.37
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG21	13	2.37
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG22	13	2.37
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG23	13	2.37
(3,165)	1:112:A:ARG:HB3	1:81:A:LYS:HD2	4	2.36
(2,1717)	1:158:A:GLU:HG2	1:155:A:GLU:HA	19	2.36
(2,1535)	1:16:A:GLU:HG2	1:20:A:LYS:HD2	11	2.36
(3,569)	1:91:A:GLN:HG2	1:126:A:HIS:H	3	2.35
(2,5344)	1:171:A:ASP:HB2	1:175:A:ASN:HD22	12	2.35
(2,1453)	1:20:A:LYS:HE2	1:16:A:GLU:HG2	14	2.35
(2,4692)	1:61:A:GLU:HG3	1:59:A:TYR:H	10	2.34
(2,3827)	1:145:A:ASP:HB2	1:147:A:ASP:H	16	2.34
(2,3827)	1:145:A:ASP:HB2	1:147:A:ASP:H	20	2.34
(2,1925)	1:38:A:LYS:HE2	1:39:A:SER:HB3	12	2.34
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG11	8	2.34
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG12	8	2.34
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG13	8	2.34
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG11	8	2.34
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG12	8	2.34
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG13	8	2.34
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG11	8	2.34
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG12	8	2.34
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG13	8	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,310)	1:18:A:ILE:HG12	1:55:A:PRO:HD3	4	2.33
(2,5044)	1:128:A:GLU:HG3	1:127:A:PHE:H	6	2.33
(2,3581)	1:51:A:LEU:HD11	1:84:A:ALA:H	18	2.33
(2,3581)	1:51:A:LEU:HD12	1:84:A:ALA:H	18	2.33
(2,3581)	1:51:A:LEU:HD13	1:84:A:ALA:H	18	2.33
(2,3263)	1:146:A:GLU:H	1:144:A:ILE:HG12	3	2.33
(2,2564)	1:150:A:PRO:HA	1:144:A:ILE:HG12	10	2.33
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD21	13	2.33
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD22	13	2.33
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD23	13	2.33
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD21	13	2.33
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD22	13	2.33
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD23	13	2.33
(2,5044)	1:128:A:GLU:HG3	1:127:A:PHE:H	16	2.32
(2,4171)	1:102:A:LEU:HD11	1:141:A:GLY:H	6	2.32
(2,4171)	1:102:A:LEU:HD12	1:141:A:GLY:H	6	2.32
(2,4171)	1:102:A:LEU:HD13	1:141:A:GLY:H	6	2.32
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD11	5	2.32
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD12	5	2.32
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD13	5	2.32
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD1	3	2.32
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD2	3	2.32
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD1	3	2.32
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD2	3	2.32
(2,5344)	1:171:A:ASP:HB2	1:175:A:ASN:HD22	14	2.31
(2,2842)	1:116:A:ILE:HG12	1:106:A:ARG:HD3	19	2.31
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG11	15	2.31
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG12	15	2.31
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG13	15	2.31
(2,1535)	1:16:A:GLU:HG2	1:20:A:LYS:HD2	19	2.31
(2,4981)	1:111:A:PRO:HG2	1:112:A:ARG:HE	3	2.3
(2,4960)	1:73:A:LEU:HD11	1:108:A:ILE:H	8	2.3
(2,4960)	1:73:A:LEU:HD12	1:108:A:ILE:H	8	2.3
(2,4960)	1:73:A:LEU:HD13	1:108:A:ILE:H	8	2.3
(2,4692)	1:61:A:GLU:HG3	1:59:A:TYR:H	12	2.3
(2,3987)	1:49:A:ILE:HD11	1:170:A:LEU:H	11	2.3
(2,3987)	1:49:A:ILE:HD12	1:170:A:LEU:H	11	2.3
(2,3987)	1:49:A:ILE:HD13	1:170:A:LEU:H	11	2.3
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG11	17	2.3
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG12	17	2.3
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG13	17	2.3
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD11	6	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD12	6	2.3
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD13	6	2.3
(2,1925)	1:38:A:LYS:HE2	1:39:A:SER:HB3	3	2.3
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG11	11	2.3
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG12	11	2.3
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG13	11	2.3
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG11	11	2.3
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG12	11	2.3
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG13	11	2.3
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG11	11	2.3
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG12	11	2.3
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG13	11	2.3
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD11	6	2.3
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD12	6	2.3
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD13	6	2.3
(2,5344)	1:171:A:ASP:HB2	1:175:A:ASN:HD22	15	2.29
(2,5148)	1:156:A:ARG:HG2	1:145:A:ASP:H	5	2.29
(2,5044)	1:128:A:GLU:HG3	1:127:A:PHE:H	19	2.29
(2,4960)	1:73:A:LEU:HD11	1:108:A:ILE:H	20	2.29
(2,4960)	1:73:A:LEU:HD12	1:108:A:ILE:H	20	2.29
(2,4960)	1:73:A:LEU:HD13	1:108:A:ILE:H	20	2.29
(2,4692)	1:61:A:GLU:HG3	1:59:A:TYR:H	1	2.29
(2,3911)	1:105:A:ILE:HG12	1:104:A:THR:H	4	2.29
(2,3785)	1:91:A:GLN:HG2	1:93:A:ASP:H	14	2.29
(2,2842)	1:116:A:ILE:HG12	1:106:A:ARG:HD3	4	2.29
(2,1176)	1:28:A:LYS:HG2	1:24:A:LYS:HA	17	2.29
(2,746)	1:169:A:HIS:HB2	1:172:A:GLU:HG2	18	2.29
(2,4508)	1:28:A:LYS:HD2	1:30:A:VAL:H	14	2.28
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD11	11	2.28
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD12	11	2.28
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD13	11	2.28
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD11	15	2.28
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD12	15	2.28
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD13	15	2.28
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD11	14	2.28
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD12	14	2.28
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD13	14	2.28
(2,798)	1:112:A:ARG:HD2	1:111:A:PRO:HG2	14	2.28
(2,4484)	1:162:A:LYS:HG2	1:25:A:GLN:HE22	11	2.27
(2,2842)	1:116:A:ILE:HG12	1:106:A:ARG:HD3	17	2.27
(2,2651)	1:149:A:GLN:HB2	1:90:A:ASP:HA	16	2.27
(2,1389)	1:16:A:GLU:HG3	1:8:A:PHE:HB2	11	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1176)	1:28:A:LYS:HG2	1:24:A:LYS:HA	4	2.27
(2,5078)	1:140:A:VAL:HB	1:134:A:ALA:H	19	2.26
(2,5075)	1:140:A:VAL:HB	1:134:A:ALA:H	19	2.26
(2,4508)	1:28:A:LYS:HD2	1:30:A:VAL:H	8	2.26
(2,4484)	1:162:A:LYS:HG2	1:25:A:GLN:HE22	4	2.26
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG11	8	2.26
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG12	8	2.26
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG13	8	2.26
(2,2842)	1:116:A:ILE:HG12	1:106:A:ARG:HD3	2	2.26
(2,2795)	1:117:A:VAL:HG11	1:164:A:ILE:HB	15	2.26
(2,2795)	1:117:A:VAL:HG12	1:164:A:ILE:HB	15	2.26
(2,2795)	1:117:A:VAL:HG13	1:164:A:ILE:HB	15	2.26
(2,2795)	1:117:A:VAL:HG11	1:164:A:ILE:HB	17	2.26
(2,2795)	1:117:A:VAL:HG12	1:164:A:ILE:HB	17	2.26
(2,2795)	1:117:A:VAL:HG13	1:164:A:ILE:HB	17	2.26
(2,437)	1:134:A:ALA:H	1:140:A:VAL:HB	19	2.26
(3,569)	1:91:A:GLN:HG2	1:126:A:HIS:H	12	2.25
(2,4508)	1:28:A:LYS:HD2	1:30:A:VAL:H	9	2.25
(2,3827)	1:145:A:ASP:HB2	1:147:A:ASP:H	5	2.25
(2,3263)	1:146:A:GLU:H	1:144:A:ILE:HG12	5	2.25
(2,2842)	1:116:A:ILE:HG12	1:106:A:ARG:HD3	20	2.25
(2,1131)	1:105:A:ILE:HG12	1:102:A:LEU:HA	12	2.25
(2,4171)	1:102:A:LEU:HD11	1:141:A:GLY:H	2	2.24
(2,4171)	1:102:A:LEU:HD12	1:141:A:GLY:H	2	2.24
(2,4171)	1:102:A:LEU:HD13	1:141:A:GLY:H	2	2.24
(2,3987)	1:49:A:ILE:HD11	1:170:A:LEU:H	15	2.24
(2,3987)	1:49:A:ILE:HD12	1:170:A:LEU:H	15	2.24
(2,3987)	1:49:A:ILE:HD13	1:170:A:LEU:H	15	2.24
(2,3934)	1:91:A:GLN:HG2	1:92:A:GLU:H	5	2.24
(2,2173)	1:49:A:ILE:HG12	1:82:A:LEU:HB3	11	2.24
(2,1713)	1:174:A:LEU:HD11	1:166:A:GLU:HA	6	2.24
(2,1713)	1:174:A:LEU:HD12	1:166:A:GLU:HA	6	2.24
(2,1713)	1:174:A:LEU:HD13	1:166:A:GLU:HA	6	2.24
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD21	8	2.24
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD22	8	2.24
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD23	8	2.24
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD21	8	2.24
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD22	8	2.24
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD23	8	2.24
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD21	8	2.24
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD22	8	2.24
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD23	8	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1164)	1:45:A:GLU:HB2	1:42:A:GLU:HA	14	2.24
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD11	7	2.24
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD12	7	2.24
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD13	7	2.24
(3,688)	1:92:A:GLU:HB3	1:91:A:GLN:HE21	3	2.23
(2,5044)	1:128:A:GLU:HG3	1:127:A:PHE:H	2	2.23
(2,4960)	1:73:A:LEU:HD11	1:108:A:ILE:H	5	2.23
(2,4960)	1:73:A:LEU:HD12	1:108:A:ILE:H	5	2.23
(2,4960)	1:73:A:LEU:HD13	1:108:A:ILE:H	5	2.23
(2,4960)	1:73:A:LEU:HD11	1:108:A:ILE:H	19	2.23
(2,4960)	1:73:A:LEU:HD12	1:108:A:ILE:H	19	2.23
(2,4960)	1:73:A:LEU:HD13	1:108:A:ILE:H	19	2.23
(2,4508)	1:28:A:LYS:HD2	1:30:A:VAL:H	7	2.23
(2,4484)	1:162:A:LYS:HG2	1:25:A:GLN:HE22	6	2.23
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD11	19	2.23
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD12	19	2.23
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD13	19	2.23
(2,1731)	1:27:A:GLY:HA2	1:24:A:LYS:HD2	2	2.23
(2,1717)	1:158:A:GLU:HG2	1:155:A:GLU:HA	12	2.23
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD11	20	2.22
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD12	20	2.22
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD13	20	2.22
(2,5196)	1:156:A:ARG:HG2	1:154:A:ALA:H	17	2.22
(2,4508)	1:28:A:LYS:HD2	1:30:A:VAL:H	13	2.22
(2,3987)	1:49:A:ILE:HD11	1:170:A:LEU:H	18	2.22
(2,3987)	1:49:A:ILE:HD12	1:170:A:LEU:H	18	2.22
(2,3987)	1:49:A:ILE:HD13	1:170:A:LEU:H	18	2.22
(2,2842)	1:116:A:ILE:HG12	1:106:A:ARG:HD3	6	2.22
(2,94)	1:33:A:VAL:HA	1:34:A:HIS:HD2	9	2.22
(2,5196)	1:156:A:ARG:HG2	1:154:A:ALA:H	18	2.21
(2,4508)	1:28:A:LYS:HD2	1:30:A:VAL:H	10	2.21
(2,4171)	1:102:A:LEU:HD11	1:141:A:GLY:H	11	2.21
(2,4171)	1:102:A:LEU:HD12	1:141:A:GLY:H	11	2.21
(2,4171)	1:102:A:LEU:HD13	1:141:A:GLY:H	11	2.21
(2,4171)	1:102:A:LEU:HD11	1:141:A:GLY:H	17	2.21
(2,4171)	1:102:A:LEU:HD12	1:141:A:GLY:H	17	2.21
(2,4171)	1:102:A:LEU:HD13	1:141:A:GLY:H	17	2.21
(2,3785)	1:91:A:GLN:HG2	1:93:A:ASP:H	8	2.21
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD11	18	2.21
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD12	18	2.21
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD13	18	2.21
(2,2795)	1:117:A:VAL:HG11	1:164:A:ILE:HB	6	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2795)	1:117:A:VAL:HG12	1:164:A:ILE:HB	6	2.21
(2,2795)	1:117:A:VAL:HG13	1:164:A:ILE:HB	6	2.21
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB1	12	2.21
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB2	12	2.21
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB3	12	2.21
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG21	1	2.21
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG22	1	2.21
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG23	1	2.21
(2,816)	1:165:A:SER:HA	1:26:A:LEU:HG	14	2.21
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD21	5	2.21
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD22	5	2.21
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD23	5	2.21
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD21	5	2.21
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD22	5	2.21
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD23	5	2.21
(2,5211)	1:152:A:LEU:HD21	1:156:A:ARG:H	1	2.2
(2,5211)	1:152:A:LEU:HD22	1:156:A:ARG:H	1	2.2
(2,5211)	1:152:A:LEU:HD23	1:156:A:ARG:H	1	2.2
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD11	18	2.2
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD12	18	2.2
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD13	18	2.2
(2,1925)	1:38:A:LYS:HE2	1:39:A:SER:HB3	15	2.2
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB1	8	2.2
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB2	8	2.2
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB3	8	2.2
(2,1713)	1:174:A:LEU:HD11	1:166:A:GLU:HA	8	2.2
(2,1713)	1:174:A:LEU:HD12	1:166:A:GLU:HA	8	2.2
(2,1713)	1:174:A:LEU:HD13	1:166:A:GLU:HA	8	2.2
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD11	2	2.2
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD12	2	2.2
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD13	2	2.2
(2,5196)	1:156:A:ARG:HG2	1:154:A:ALA:H	7	2.19
(2,5078)	1:140:A:VAL:HB	1:134:A:ALA:H	12	2.19
(2,5075)	1:140:A:VAL:HB	1:134:A:ALA:H	12	2.19
(2,4981)	1:111:A:PRO:HG2	1:112:A:ARG:HE	4	2.19
(2,3987)	1:49:A:ILE:HD11	1:170:A:LEU:H	5	2.19
(2,3987)	1:49:A:ILE:HD12	1:170:A:LEU:H	5	2.19
(2,3987)	1:49:A:ILE:HD13	1:170:A:LEU:H	5	2.19
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD11	9	2.19
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD12	9	2.19
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD13	9	2.19
(2,2564)	1:150:A:PRO:HA	1:144:A:ILE:HG12	20	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD11	16	2.19
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD12	16	2.19
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD13	16	2.19
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD21	13	2.19
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD22	13	2.19
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD23	13	2.19
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD21	13	2.19
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD22	13	2.19
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD23	13	2.19
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD21	13	2.19
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD22	13	2.19
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD23	13	2.19
(2,1925)	1:38:A:LYS:HE2	1:39:A:SER:HB3	10	2.19
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB1	14	2.19
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB2	14	2.19
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB3	14	2.19
(2,1721)	1:24:A:LYS:HE2	1:28:A:LYS:HB2	17	2.19
(2,1713)	1:174:A:LEU:HD11	1:166:A:GLU:HA	1	2.19
(2,1713)	1:174:A:LEU:HD12	1:166:A:GLU:HA	1	2.19
(2,1713)	1:174:A:LEU:HD13	1:166:A:GLU:HA	1	2.19
(2,1713)	1:174:A:LEU:HD11	1:166:A:GLU:HA	9	2.19
(2,1713)	1:174:A:LEU:HD12	1:166:A:GLU:HA	9	2.19
(2,1713)	1:174:A:LEU:HD13	1:166:A:GLU:HA	9	2.19
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG11	5	2.19
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG12	5	2.19
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG13	5	2.19
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG21	17	2.19
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG22	17	2.19
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG23	17	2.19
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD11	9	2.19
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD12	9	2.19
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD13	9	2.19
(2,437)	1:134:A:ALA:H	1:140:A:VAL:HB	12	2.19
(2,5271)	1:117:A:VAL:HG11	1:164:A:ILE:H	7	2.18
(2,5271)	1:117:A:VAL:HG12	1:164:A:ILE:H	7	2.18
(2,5271)	1:117:A:VAL:HG13	1:164:A:ILE:H	7	2.18
(2,4960)	1:73:A:LEU:HD11	1:108:A:ILE:H	3	2.18
(2,4960)	1:73:A:LEU:HD12	1:108:A:ILE:H	3	2.18
(2,4960)	1:73:A:LEU:HD13	1:108:A:ILE:H	3	2.18
(2,4129)	1:111:A:PRO:HD3	1:109:A:ILE:H	10	2.18
(2,3987)	1:49:A:ILE:HD11	1:170:A:LEU:H	6	2.18
(2,3987)	1:49:A:ILE:HD12	1:170:A:LEU:H	6	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3987)	1:49:A:ILE:HD13	1:170:A:LEU:H	6	2.18
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG21	10	2.18
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG22	10	2.18
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG23	10	2.18
(2,2842)	1:116:A:ILE:HG12	1:106:A:ARG:HD3	14	2.18
(2,2461)	1:74:A:GLU:HG2	1:75:A:GLU:HG3	14	2.18
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB1	6	2.18
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB2	6	2.18
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB3	6	2.18
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB1	9	2.18
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB2	9	2.18
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB3	9	2.18
(2,1713)	1:174:A:LEU:HD11	1:166:A:GLU:HA	13	2.18
(2,1713)	1:174:A:LEU:HD12	1:166:A:GLU:HA	13	2.18
(2,1713)	1:174:A:LEU:HD13	1:166:A:GLU:HA	13	2.18
(3,105)	1:64:A:CYS:HB2	1:37:A:ALA:HA	4	2.17
(2,4960)	1:73:A:LEU:HD11	1:108:A:ILE:H	9	2.17
(2,4960)	1:73:A:LEU:HD12	1:108:A:ILE:H	9	2.17
(2,4960)	1:73:A:LEU:HD13	1:108:A:ILE:H	9	2.17
(2,1925)	1:38:A:LYS:HE2	1:39:A:SER:HB3	9	2.17
(2,3934)	1:91:A:GLN:HG2	1:92:A:GLU:H	13	2.16
(2,3911)	1:105:A:ILE:HG12	1:104:A:THR:H	7	2.16
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD11	4	2.16
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD12	4	2.16
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD13	4	2.16
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG21	17	2.16
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG22	17	2.16
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG23	17	2.16
(2,2678)	1:96:A:GLU:HG2	1:94:A:TYR:HA	8	2.16
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD11	15	2.16
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD12	15	2.16
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD13	15	2.16
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD11	7	2.16
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD12	7	2.16
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD13	7	2.16
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD11	7	2.16
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD12	7	2.16
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD13	7	2.16
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD11	7	2.16
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD12	7	2.16
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD13	7	2.16
(2,1713)	1:174:A:LEU:HD11	1:166:A:GLU:HA	4	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1713)	1:174:A:LEU:HD12	1:166:A:GLU:HA	4	2.16
(2,1713)	1:174:A:LEU:HD13	1:166:A:GLU:HA	4	2.16
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG11	12	2.16
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG12	12	2.16
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG13	12	2.16
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG11	12	2.16
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG12	12	2.16
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG13	12	2.16
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG11	12	2.16
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG12	12	2.16
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG13	12	2.16
(2,5355)	1:142:A:LEU:HD11	1:120:A:TRP:HE1	10	2.15
(2,5355)	1:142:A:LEU:HD12	1:120:A:TRP:HE1	10	2.15
(2,5355)	1:142:A:LEU:HD13	1:120:A:TRP:HE1	10	2.15
(2,5196)	1:156:A:ARG:HG2	1:154:A:ALA:H	20	2.15
(2,4960)	1:73:A:LEU:HD11	1:108:A:ILE:H	4	2.15
(2,4960)	1:73:A:LEU:HD12	1:108:A:ILE:H	4	2.15
(2,4960)	1:73:A:LEU:HD13	1:108:A:ILE:H	4	2.15
(2,3911)	1:105:A:ILE:HG12	1:104:A:THR:H	9	2.15
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD11	19	2.15
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD12	19	2.15
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD13	19	2.15
(2,1713)	1:174:A:LEU:HD11	1:166:A:GLU:HA	2	2.15
(2,1713)	1:174:A:LEU:HD12	1:166:A:GLU:HA	2	2.15
(2,1713)	1:174:A:LEU:HD13	1:166:A:GLU:HA	2	2.15
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD11	19	2.15
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD12	19	2.15
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD13	19	2.15
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD21	2	2.15
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD22	2	2.15
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD23	2	2.15
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD21	2	2.15
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD22	2	2.15
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD23	2	2.15
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD11	10	2.15
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD12	10	2.15
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD13	10	2.15
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB1	17	2.15
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB2	17	2.15
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB3	17	2.15
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB1	17	2.15
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB2	17	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB3	17	2.15
(2,5196)	1:156:A:ARG:HG2	1:154:A:ALA:H	19	2.14
(2,4981)	1:111:A:PRO:HG2	1:112:A:ARG:HE	6	2.14
(2,4508)	1:28:A:LYS:HD2	1:30:A:VAL:H	2	2.14
(2,3911)	1:105:A:ILE:HG12	1:104:A:THR:H	6	2.14
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG21	14	2.14
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG22	14	2.14
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG23	14	2.14
(2,3324)	1:157:A:VAL:HG11	1:153:A:THR:HA	15	2.14
(2,3324)	1:157:A:VAL:HG12	1:153:A:THR:HA	15	2.14
(2,3324)	1:157:A:VAL:HG13	1:153:A:THR:HA	15	2.14
(2,3299)	1:88:A:CYS:HB2	1:18:A:ILE:HG12	4	2.14
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD11	7	2.14
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD12	7	2.14
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD13	7	2.14
(2,1979)	1:156:A:ARG:HA	1:155:A:GLU:HG3	8	2.14
(2,1925)	1:38:A:LYS:HE2	1:39:A:SER:HB3	16	2.14
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG11	9	2.14
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG12	9	2.14
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG13	9	2.14
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG11	9	2.14
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG12	9	2.14
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG13	9	2.14
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG11	9	2.14
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG12	9	2.14
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG13	9	2.14
(2,1204)	1:128:A:GLU:HB2	1:95:A:ALA:HA	15	2.14
(2,831)	1:26:A:LEU:HA	1:174:A:LEU:HD11	11	2.14
(2,831)	1:26:A:LEU:HA	1:174:A:LEU:HD12	11	2.14
(2,831)	1:26:A:LEU:HA	1:174:A:LEU:HD13	11	2.14
(2,5277)	1:168:A:LEU:HD21	1:165:A:SER:H	18	2.13
(2,5277)	1:168:A:LEU:HD22	1:165:A:SER:H	18	2.13
(2,5277)	1:168:A:LEU:HD23	1:165:A:SER:H	18	2.13
(2,5271)	1:117:A:VAL:HG11	1:164:A:ILE:H	2	2.13
(2,5271)	1:117:A:VAL:HG12	1:164:A:ILE:H	2	2.13
(2,5271)	1:117:A:VAL:HG13	1:164:A:ILE:H	2	2.13
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD11	20	2.13
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD12	20	2.13
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD13	20	2.13
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG21	7	2.13
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG22	7	2.13
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG23	7	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG21	18	2.13
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG22	18	2.13
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG23	18	2.13
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG21	20	2.13
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG22	20	2.13
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG23	20	2.13
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD21	5	2.13
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD22	5	2.13
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD23	5	2.13
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD21	5	2.13
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD22	5	2.13
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD23	5	2.13
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD21	5	2.13
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD22	5	2.13
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD23	5	2.13
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG11	19	2.13
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG12	19	2.13
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG13	19	2.13
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG11	19	2.13
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG12	19	2.13
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG13	19	2.13
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG11	19	2.13
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG12	19	2.13
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG13	19	2.13
(2,1315)	1:51:A:LEU:HD21	1:4:A:THR:HB	18	2.13
(2,1315)	1:51:A:LEU:HD22	1:4:A:THR:HB	18	2.13
(2,1315)	1:51:A:LEU:HD23	1:4:A:THR:HB	18	2.13
(2,1203)	1:30:A:VAL:HG11	1:174:A:LEU:HA	6	2.13
(2,1203)	1:30:A:VAL:HG12	1:174:A:LEU:HA	6	2.13
(2,1203)	1:30:A:VAL:HG13	1:174:A:LEU:HA	6	2.13
(2,1165)	1:24:A:LYS:HG2	1:21:A:MET:HA	2	2.13
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD21	18	2.13
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD22	18	2.13
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD23	18	2.13
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB1	19	2.13
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB2	19	2.13
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB3	19	2.13
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB1	19	2.13
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB2	19	2.13
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB3	19	2.13
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD1	16	2.13
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD2	16	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD11	2	2.12
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD12	2	2.12
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD13	2	2.12
(2,4960)	1:73:A:LEU:HD11	1:108:A:ILE:H	18	2.11
(2,4960)	1:73:A:LEU:HD12	1:108:A:ILE:H	18	2.11
(2,4960)	1:73:A:LEU:HD13	1:108:A:ILE:H	18	2.11
(2,3911)	1:105:A:ILE:HG12	1:104:A:THR:H	8	2.11
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD11	11	2.11
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD12	11	2.11
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD13	11	2.11
(2,2046)	1:77:A:ASP:HB3	1:45:A:GLU:HA	18	2.11
(2,1979)	1:156:A:ARG:HA	1:155:A:GLU:HG3	14	2.11
(2,1925)	1:38:A:LYS:HE2	1:39:A:SER:HB3	18	2.11
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG21	20	2.11
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG22	20	2.11
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG23	20	2.11
(2,5271)	1:117:A:VAL:HG11	1:164:A:ILE:H	12	2.1
(2,5271)	1:117:A:VAL:HG12	1:164:A:ILE:H	12	2.1
(2,5271)	1:117:A:VAL:HG13	1:164:A:ILE:H	12	2.1
(2,5122)	1:140:A:VAL:HG11	1:142:A:LEU:H	12	2.1
(2,5122)	1:140:A:VAL:HG12	1:142:A:LEU:H	12	2.1
(2,5122)	1:140:A:VAL:HG13	1:142:A:LEU:H	12	2.1
(2,4960)	1:73:A:LEU:HD11	1:108:A:ILE:H	6	2.1
(2,4960)	1:73:A:LEU:HD12	1:108:A:ILE:H	6	2.1
(2,4960)	1:73:A:LEU:HD13	1:108:A:ILE:H	6	2.1
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB2	7	2.1
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB3	7	2.1
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG21	1	2.1
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG22	1	2.1
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG23	1	2.1
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD11	12	2.1
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD12	12	2.1
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD13	12	2.1
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD11	14	2.1
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD12	14	2.1
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD13	14	2.1
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD11	14	2.1
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD12	14	2.1
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD13	14	2.1
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD11	14	2.1
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD12	14	2.1
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD13	14	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1678)	1:174:A:LEU:HB3	1:26:A:LEU:HA	15	2.1
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG11	2	2.1
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG12	2	2.1
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG13	2	2.1
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG11	2	2.1
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG12	2	2.1
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG13	2	2.1
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG11	2	2.1
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG12	2	2.1
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG13	2	2.1
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD1	10	2.1
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD2	10	2.1
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD1	10	2.1
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD2	10	2.1
(3,67)	1:25:A:GLN:HE21	1:21:A:MET:HE1	17	2.09
(3,67)	1:25:A:GLN:HE21	1:21:A:MET:HE2	17	2.09
(3,67)	1:25:A:GLN:HE21	1:21:A:MET:HE3	17	2.09
(2,5196)	1:156:A:ARG:HG2	1:154:A:ALA:H	10	2.09
(2,5196)	1:156:A:ARG:HG2	1:154:A:ALA:H	14	2.09
(2,4508)	1:28:A:LYS:HD2	1:30:A:VAL:H	1	2.09
(2,3517)	1:170:A:LEU:HD11	1:173:A:ILE:HB	11	2.09
(2,3517)	1:170:A:LEU:HD12	1:173:A:ILE:HB	11	2.09
(2,3517)	1:170:A:LEU:HD13	1:173:A:ILE:HB	11	2.09
(2,2479)	1:30:A:VAL:HG11	1:173:A:ILE:HB	5	2.09
(2,2479)	1:30:A:VAL:HG12	1:173:A:ILE:HB	5	2.09
(2,2479)	1:30:A:VAL:HG13	1:173:A:ILE:HB	5	2.09
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD11	10	2.09
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD12	10	2.09
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD13	10	2.09
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD11	15	2.09
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD12	15	2.09
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD13	15	2.09
(2,1979)	1:156:A:ARG:HA	1:155:A:GLU:HG3	4	2.09
(2,1505)	1:23:A:GLN:HE22	1:20:A:LYS:HA	17	2.09
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG11	5	2.09
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG12	5	2.09
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG13	5	2.09
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD11	9	2.09
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD12	9	2.09
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD13	9	2.09
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD1	7	2.09
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD2	7	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5271)	1:117:A:VAL:HG11	1:164:A:ILE:H	19	2.08
(2,5271)	1:117:A:VAL:HG12	1:164:A:ILE:H	19	2.08
(2,5271)	1:117:A:VAL:HG13	1:164:A:ILE:H	19	2.08
(2,5177)	1:146:A:GLU:HB2	1:151:A:GLU:H	11	2.08
(2,5044)	1:128:A:GLU:HG3	1:127:A:PHE:H	3	2.08
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD11	17	2.08
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD12	17	2.08
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD13	17	2.08
(2,3429)	1:155:A:GLU:HG2	1:159:A:LYS:HE2	1	2.08
(2,3429)	1:155:A:GLU:HG2	1:159:A:LYS:HE2	10	2.08
(2,2842)	1:116:A:ILE:HG12	1:106:A:ARG:HD3	16	2.08
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD11	18	2.08
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD12	18	2.08
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD13	18	2.08
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD11	12	2.08
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD12	12	2.08
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD13	12	2.08
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD11	12	2.08
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD12	12	2.08
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD13	12	2.08
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD11	12	2.08
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD12	12	2.08
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD13	12	2.08
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD11	12	2.08
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD12	12	2.08
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD13	12	2.08
(2,1979)	1:156:A:ARG:HA	1:155:A:GLU:HG3	1	2.08
(2,1925)	1:38:A:LYS:HE2	1:39:A:SER:HB3	7	2.08
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB1	19	2.08
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB2	19	2.08
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB3	19	2.08
(2,1713)	1:174:A:LEU:HD11	1:166:A:GLU:HA	17	2.08
(2,1713)	1:174:A:LEU:HD12	1:166:A:GLU:HA	17	2.08
(2,1713)	1:174:A:LEU:HD13	1:166:A:GLU:HA	17	2.08
(2,94)	1:33:A:VAL:HA	1:34:A:HIS:HD2	8	2.08
(2,5277)	1:168:A:LEU:HD21	1:165:A:SER:H	3	2.07
(2,5277)	1:168:A:LEU:HD22	1:165:A:SER:H	3	2.07
(2,5277)	1:168:A:LEU:HD23	1:165:A:SER:H	3	2.07
(2,5271)	1:117:A:VAL:HG11	1:164:A:ILE:H	8	2.07
(2,5271)	1:117:A:VAL:HG12	1:164:A:ILE:H	8	2.07
(2,5271)	1:117:A:VAL:HG13	1:164:A:ILE:H	8	2.07
(2,5196)	1:156:A:ARG:HG2	1:154:A:ALA:H	12	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4129)	1:111:A:PRO:HD3	1:109:A:ILE:H	19	2.07
(2,3934)	1:91:A:GLN:HG2	1:92:A:GLU:H	18	2.07
(2,3174)	1:156:A:ARG:HB2	1:144:A:ILE:HG12	16	2.07
(2,2678)	1:96:A:GLU:HG2	1:94:A:TYR:HA	20	2.07
(2,2173)	1:49:A:ILE:HG12	1:82:A:LEU:HB3	3	2.07
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG11	13	2.07
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG12	13	2.07
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG13	13	2.07
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG11	13	2.07
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG12	13	2.07
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG13	13	2.07
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG11	13	2.07
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG12	13	2.07
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG13	13	2.07
(2,1535)	1:16:A:GLU:HG2	1:20:A:LYS:HD2	8	2.07
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD21	7	2.07
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD22	7	2.07
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD23	7	2.07
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD21	7	2.07
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD22	7	2.07
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD23	7	2.07
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD21	7	2.07
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD22	7	2.07
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD23	7	2.07
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG21	19	2.07
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG22	19	2.07
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG23	19	2.07
(2,5277)	1:168:A:LEU:HD21	1:165:A:SER:H	7	2.06
(2,5277)	1:168:A:LEU:HD22	1:165:A:SER:H	7	2.06
(2,5277)	1:168:A:LEU:HD23	1:165:A:SER:H	7	2.06
(2,5196)	1:156:A:ARG:HG2	1:154:A:ALA:H	1	2.06
(2,5196)	1:156:A:ARG:HG2	1:154:A:ALA:H	6	2.06
(2,5196)	1:156:A:ARG:HG2	1:154:A:ALA:H	13	2.06
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD21	3	2.06
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD22	3	2.06
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD23	3	2.06
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD11	12	2.06
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD12	12	2.06
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD13	12	2.06
(2,1979)	1:156:A:ARG:HA	1:155:A:GLU:HG3	7	2.06
(2,1979)	1:156:A:ARG:HA	1:155:A:GLU:HG3	10	2.06
(2,94)	1:33:A:VAL:HA	1:34:A:HIS:HD2	4	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5196)	1:156:A:ARG:HG2	1:154:A:ALA:H	9	2.05
(2,4129)	1:111:A:PRO:HD3	1:109:A:ILE:H	3	2.05
(2,3911)	1:105:A:ILE:HG12	1:104:A:THR:H	1	2.05
(2,3429)	1:155:A:GLU:HG2	1:159:A:LYS:HE2	8	2.05
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG11	12	2.05
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG12	12	2.05
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG13	12	2.05
(2,1979)	1:156:A:ARG:HA	1:155:A:GLU:HG3	15	2.05
(2,1717)	1:158:A:GLU:HG2	1:155:A:GLU:HA	9	2.05
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD21	5	2.05
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD22	5	2.05
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD23	5	2.05
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD21	5	2.05
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD22	5	2.05
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD23	5	2.05
(2,5300)	1:82:A:LEU:HD21	1:168:A:LEU:H	7	2.04
(2,5300)	1:82:A:LEU:HD22	1:168:A:LEU:H	7	2.04
(2,5300)	1:82:A:LEU:HD23	1:168:A:LEU:H	7	2.04
(2,5148)	1:156:A:ARG:HG2	1:145:A:ASP:H	9	2.04
(2,4981)	1:111:A:PRO:HG2	1:112:A:ARG:HE	19	2.04
(2,4633)	1:3:A:ILE:HG12	1:48:A:ASP:H	3	2.04
(2,4129)	1:111:A:PRO:HD3	1:109:A:ILE:H	4	2.04
(2,3911)	1:105:A:ILE:HG12	1:104:A:THR:H	3	2.04
(2,3911)	1:105:A:ILE:HG12	1:104:A:THR:H	17	2.04
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD21	8	2.04
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD22	8	2.04
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD23	8	2.04
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD21	10	2.04
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD22	10	2.04
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD23	10	2.04
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD21	2	2.04
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD22	2	2.04
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD23	2	2.04
(2,2795)	1:117:A:VAL:HG11	1:164:A:ILE:HB	1	2.04
(2,2795)	1:117:A:VAL:HG12	1:164:A:ILE:HB	1	2.04
(2,2795)	1:117:A:VAL:HG13	1:164:A:ILE:HB	1	2.04
(2,2651)	1:149:A:GLN:HB2	1:90:A:ASP:HA	1	2.04
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG2	4	2.04
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG3	4	2.04
(2,1979)	1:156:A:ARG:HA	1:155:A:GLU:HG3	19	2.04
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG11	4	2.04
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG12	4	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG13	4	2.04
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG11	4	2.04
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG12	4	2.04
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG13	4	2.04
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG11	4	2.04
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG12	4	2.04
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG13	4	2.04
(2,1389)	1:16:A:GLU:HG3	1:8:A:PHE:HB2	18	2.04
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD11	11	2.04
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD12	11	2.04
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD13	11	2.04
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD11	12	2.04
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD12	12	2.04
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD13	12	2.04
(2,816)	1:165:A:SER:HA	1:26:A:LEU:HG	8	2.04
(2,798)	1:112:A:ARG:HD2	1:111:A:PRO:HG2	3	2.04
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD1	8	2.04
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD2	8	2.04
(2,5271)	1:117:A:VAL:HG11	1:164:A:ILE:H	9	2.03
(2,5271)	1:117:A:VAL:HG12	1:164:A:ILE:H	9	2.03
(2,5271)	1:117:A:VAL:HG13	1:164:A:ILE:H	9	2.03
(2,5166)	1:149:A:GLN:HG3	1:148:A:ARG:H	10	2.03
(2,5044)	1:128:A:GLU:HG3	1:127:A:PHE:H	14	2.03
(2,3934)	1:91:A:GLN:HG2	1:92:A:GLU:H	16	2.03
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD21	15	2.03
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD22	15	2.03
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD23	15	2.03
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD11	16	2.03
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD12	16	2.03
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD13	16	2.03
(2,2842)	1:116:A:ILE:HG12	1:106:A:ARG:HD3	5	2.03
(2,5366)	1:10:A:SER:HA	1:14:A:ASN:HD22	6	2.02
(2,5196)	1:156:A:ARG:HG2	1:154:A:ALA:H	16	2.02
(2,5122)	1:140:A:VAL:HG11	1:142:A:LEU:H	19	2.02
(2,5122)	1:140:A:VAL:HG12	1:142:A:LEU:H	19	2.02
(2,5122)	1:140:A:VAL:HG13	1:142:A:LEU:H	19	2.02
(2,3911)	1:105:A:ILE:HG12	1:104:A:THR:H	13	2.02
(2,3911)	1:105:A:ILE:HG12	1:104:A:THR:H	14	2.02
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD21	18	2.02
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD22	18	2.02
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD23	18	2.02
(2,3324)	1:157:A:VAL:HG11	1:153:A:THR:HA	2	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3324)	1:157:A:VAL:HG12	1:153:A:THR:HA	2	2.02
(2,3324)	1:157:A:VAL:HG13	1:153:A:THR:HA	2	2.02
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD21	1	2.02
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD22	1	2.02
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD23	1	2.02
(2,1979)	1:156:A:ARG:HA	1:155:A:GLU:HG3	13	2.02
(2,1925)	1:38:A:LYS:HE2	1:39:A:SER:HB3	19	2.02
(2,798)	1:112:A:ARG:HD2	1:111:A:PRO:HG2	4	2.02
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD21	12	2.02
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD22	12	2.02
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD23	12	2.02
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD21	12	2.02
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD22	12	2.02
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD23	12	2.02
(3,688)	1:92:A:GLU:HB3	1:91:A:GLN:HE21	12	2.01
(2,5277)	1:168:A:LEU:HD21	1:165:A:SER:H	16	2.01
(2,5277)	1:168:A:LEU:HD22	1:165:A:SER:H	16	2.01
(2,5277)	1:168:A:LEU:HD23	1:165:A:SER:H	16	2.01
(2,4129)	1:111:A:PRO:HD3	1:109:A:ILE:H	7	2.01
(2,4129)	1:111:A:PRO:HD3	1:109:A:ILE:H	18	2.01
(2,3911)	1:105:A:ILE:HG12	1:104:A:THR:H	2	2.01
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD21	7	2.01
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD22	7	2.01
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD23	7	2.01
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD21	9	2.01
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD22	9	2.01
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD23	9	2.01
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD21	20	2.01
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD22	20	2.01
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD23	20	2.01
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD11	1	2.01
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD12	1	2.01
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD13	1	2.01
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG21	14	2.01
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG22	14	2.01
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG23	14	2.01
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD11	1	2.01
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD12	1	2.01
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD13	1	2.01
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD11	1	2.01
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD12	1	2.01
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD13	1	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD11	1	2.01
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD12	1	2.01
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD13	1	2.01
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG21	5	2.01
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG22	5	2.01
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG23	5	2.01
(2,1505)	1:23:A:GLN:HE22	1:20:A:LYS:HA	4	2.01
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD11	1	2.01
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD12	1	2.01
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD13	1	2.01
(2,1209)	1:82:A:LEU:HD21	1:168:A:LEU:HA	6	2.01
(2,1209)	1:82:A:LEU:HD22	1:168:A:LEU:HA	6	2.01
(2,1209)	1:82:A:LEU:HD23	1:168:A:LEU:HA	6	2.01
(2,1204)	1:128:A:GLU:HB2	1:95:A:ALA:HA	13	2.01
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG21	10	2.01
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG22	10	2.01
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG23	10	2.01
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD11	4	2.01
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD12	4	2.01
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD13	4	2.01
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD1	3	2.01
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD2	3	2.01
(2,5277)	1:168:A:LEU:HD21	1:165:A:SER:H	12	2.0
(2,5277)	1:168:A:LEU:HD22	1:165:A:SER:H	12	2.0
(2,5277)	1:168:A:LEU:HD23	1:165:A:SER:H	12	2.0
(2,5271)	1:117:A:VAL:HG11	1:164:A:ILE:H	18	2.0
(2,5271)	1:117:A:VAL:HG12	1:164:A:ILE:H	18	2.0
(2,5271)	1:117:A:VAL:HG13	1:164:A:ILE:H	18	2.0
(2,5271)	1:117:A:VAL:HG11	1:164:A:ILE:H	20	2.0
(2,5271)	1:117:A:VAL:HG12	1:164:A:ILE:H	20	2.0
(2,5271)	1:117:A:VAL:HG13	1:164:A:ILE:H	20	2.0
(2,4960)	1:73:A:LEU:HD11	1:108:A:ILE:H	2	2.0
(2,4960)	1:73:A:LEU:HD12	1:108:A:ILE:H	2	2.0
(2,4960)	1:73:A:LEU:HD13	1:108:A:ILE:H	2	2.0
(2,3911)	1:105:A:ILE:HG12	1:104:A:THR:H	5	2.0
(2,3911)	1:105:A:ILE:HG12	1:104:A:THR:H	12	2.0
(2,3517)	1:170:A:LEU:HD11	1:173:A:ILE:HB	12	2.0
(2,3517)	1:170:A:LEU:HD12	1:173:A:ILE:HB	12	2.0
(2,3517)	1:170:A:LEU:HD13	1:173:A:ILE:HB	12	2.0
(2,3428)	1:155:A:GLU:HB2	1:159:A:LYS:HE2	1	2.0
(2,3294)	1:151:A:GLU:HG3	1:150:A:PRO:HA	19	2.0
(2,2529)	1:25:A:GLN:HE21	1:162:A:LYS:HG2	15	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1979)	1:156:A:ARG:HA	1:155:A:GLU:HG3	12	2.0
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG21	9	2.0
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG22	9	2.0
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG23	9	2.0
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG21	18	2.0
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG22	18	2.0
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG23	18	2.0
(2,751)	1:163:A:GLN:HA	1:166:A:GLU:HG2	15	2.0
(2,5277)	1:168:A:LEU:HD21	1:165:A:SER:H	4	1.99
(2,5277)	1:168:A:LEU:HD22	1:165:A:SER:H	4	1.99
(2,5277)	1:168:A:LEU:HD23	1:165:A:SER:H	4	1.99
(2,4981)	1:111:A:PRO:HG2	1:112:A:ARG:HE	9	1.99
(2,4508)	1:28:A:LYS:HD2	1:30:A:VAL:H	3	1.99
(2,4508)	1:28:A:LYS:HD2	1:30:A:VAL:H	19	1.99
(2,3827)	1:145:A:ASP:HB2	1:147:A:ASP:H	8	1.99
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	5	1.99
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	5	1.99
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	5	1.99
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	5	1.99
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	5	1.99
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	5	1.99
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD11	1	1.99
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD12	1	1.99
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD13	1	1.99
(2,2678)	1:96:A:GLU:HG2	1:94:A:TYR:HA	4	1.99
(2,2678)	1:96:A:GLU:HG2	1:94:A:TYR:HA	6	1.99
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD21	10	1.99
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD22	10	1.99
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD23	10	1.99
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD21	12	1.99
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD22	12	1.99
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD23	12	1.99
(2,2529)	1:25:A:GLN:HE21	1:162:A:LYS:HG2	1	1.99
(2,2529)	1:25:A:GLN:HE21	1:162:A:LYS:HG2	18	1.99
(2,2080)	1:82:A:LEU:HD21	1:49:A:ILE:HA	3	1.99
(2,2080)	1:82:A:LEU:HD22	1:49:A:ILE:HA	3	1.99
(2,2080)	1:82:A:LEU:HD23	1:49:A:ILE:HA	3	1.99
(2,1925)	1:38:A:LYS:HE2	1:39:A:SER:HB3	13	1.99
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG11	14	1.99
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG12	14	1.99
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG13	14	1.99
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG11	14	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG12	14	1.99
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG13	14	1.99
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG11	14	1.99
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG12	14	1.99
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG13	14	1.99
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD11	17	1.99
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD12	17	1.99
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD13	17	1.99
(2,5189)	1:156:A:ARG:HG2	1:153:A:THR:H	1	1.98
(2,5177)	1:146:A:GLU:HB2	1:151:A:GLU:H	12	1.98
(2,4880)	1:96:A:GLU:HG2	1:95:A:ALA:H	6	1.98
(2,4508)	1:28:A:LYS:HD2	1:30:A:VAL:H	6	1.98
(2,3934)	1:91:A:GLN:HG2	1:92:A:GLU:H	17	1.98
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD21	13	1.98
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD22	13	1.98
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD23	13	1.98
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD21	17	1.98
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD22	17	1.98
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD23	17	1.98
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD11	12	1.98
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD12	12	1.98
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD13	12	1.98
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG21	1	1.98
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG22	1	1.98
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG23	1	1.98
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD21	8	1.98
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD22	8	1.98
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD23	8	1.98
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD21	9	1.98
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD22	9	1.98
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD23	9	1.98
(2,2547)	1:168:A:LEU:HD11	1:82:A:LEU:HB2	3	1.98
(2,2547)	1:168:A:LEU:HD12	1:82:A:LEU:HB2	3	1.98
(2,2547)	1:168:A:LEU:HD13	1:82:A:LEU:HB2	3	1.98
(2,1979)	1:156:A:ARG:HA	1:155:A:GLU:HG3	17	1.98
(2,1713)	1:174:A:LEU:HD11	1:166:A:GLU:HA	12	1.98
(2,1713)	1:174:A:LEU:HD12	1:166:A:GLU:HA	12	1.98
(2,1713)	1:174:A:LEU:HD13	1:166:A:GLU:HA	12	1.98
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD11	13	1.98
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD12	13	1.98
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD13	13	1.98
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG21	4	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG22	4	1.98
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG23	4	1.98
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD11	4	1.98
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD12	4	1.98
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD13	4	1.98
(3,688)	1:92:A:GLU:HB3	1:91:A:GLN:HE21	5	1.97
(2,5366)	1:10:A:SER:HA	1:14:A:ASN:HD22	7	1.97
(2,4857)	1:149:A:GLN:HG3	1:91:A:GLN:H	18	1.97
(2,4129)	1:111:A:PRO:HD3	1:109:A:ILE:H	5	1.97
(2,4129)	1:111:A:PRO:HD3	1:109:A:ILE:H	17	1.97
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD21	1	1.97
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD22	1	1.97
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD23	1	1.97
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD21	12	1.97
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD22	12	1.97
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD23	12	1.97
(2,2940)	1:112:A:ARG:HD2	1:111:A:PRO:HB3	3	1.97
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD11	19	1.97
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD12	19	1.97
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD13	19	1.97
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD11	19	1.97
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD12	19	1.97
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD13	19	1.97
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD11	5	1.97
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD12	5	1.97
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD13	5	1.97
(2,1979)	1:156:A:ARG:HA	1:155:A:GLU:HG3	11	1.97
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG11	15	1.97
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG12	15	1.97
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG13	15	1.97
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG11	15	1.97
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG12	15	1.97
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG13	15	1.97
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG11	15	1.97
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG12	15	1.97
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG13	15	1.97
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD11	15	1.97
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD12	15	1.97
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD13	15	1.97
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD11	6	1.97
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD12	6	1.97
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD13	6	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD11	9	1.97
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD12	9	1.97
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD13	9	1.97
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB1	15	1.97
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB2	15	1.97
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB3	15	1.97
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB1	15	1.97
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB2	15	1.97
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB3	15	1.97
(2,94)	1:33:A:VAL:HA	1:34:A:HIS:HD2	13	1.97
(3,688)	1:92:A:GLU:HB3	1:91:A:GLN:HE21	2	1.96
(3,273)	1:144:A:ILE:HG12	1:149:A:GLN:HA	1	1.96
(2,4820)	1:51:A:LEU:HD21	1:84:A:ALA:H	16	1.96
(2,4820)	1:51:A:LEU:HD22	1:84:A:ALA:H	16	1.96
(2,4820)	1:51:A:LEU:HD23	1:84:A:ALA:H	16	1.96
(2,4557)	1:38:A:LYS:HD2	1:37:A:ALA:H	12	1.96
(2,3517)	1:170:A:LEU:HD11	1:173:A:ILE:HB	15	1.96
(2,3517)	1:170:A:LEU:HD12	1:173:A:ILE:HB	15	1.96
(2,3517)	1:170:A:LEU:HD13	1:173:A:ILE:HB	15	1.96
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD21	4	1.96
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD22	4	1.96
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD23	4	1.96
(2,3428)	1:155:A:GLU:HB2	1:159:A:LYS:HE2	10	1.96
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG21	15	1.96
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG22	15	1.96
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG23	15	1.96
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD11	11	1.96
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD12	11	1.96
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD13	11	1.96
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD11	13	1.96
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD12	13	1.96
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD13	13	1.96
(2,1979)	1:156:A:ARG:HA	1:155:A:GLU:HG3	9	1.96
(2,1925)	1:38:A:LYS:HE2	1:39:A:SER:HB3	17	1.96
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD11	19	1.96
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD12	19	1.96
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD13	19	1.96
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD11	15	1.96
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD12	15	1.96
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD13	15	1.96
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD11	15	1.96
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD12	15	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD13	15	1.96
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD11	15	1.96
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD12	15	1.96
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD13	15	1.96
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD11	5	1.96
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD12	5	1.96
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD13	5	1.96
(2,94)	1:33:A:VAL:HA	1:34:A:HIS:HD2	5	1.96
(2,94)	1:33:A:VAL:HA	1:34:A:HIS:HD2	17	1.96
(2,5366)	1:10:A:SER:HA	1:14:A:ASN:HD22	18	1.95
(2,5277)	1:168:A:LEU:HD21	1:165:A:SER:H	8	1.95
(2,5277)	1:168:A:LEU:HD22	1:165:A:SER:H	8	1.95
(2,5277)	1:168:A:LEU:HD23	1:165:A:SER:H	8	1.95
(2,5277)	1:168:A:LEU:HD21	1:165:A:SER:H	15	1.95
(2,5277)	1:168:A:LEU:HD22	1:165:A:SER:H	15	1.95
(2,5277)	1:168:A:LEU:HD23	1:165:A:SER:H	15	1.95
(2,5277)	1:168:A:LEU:HD21	1:165:A:SER:H	20	1.95
(2,5277)	1:168:A:LEU:HD22	1:165:A:SER:H	20	1.95
(2,5277)	1:168:A:LEU:HD23	1:165:A:SER:H	20	1.95
(2,5196)	1:156:A:ARG:HG2	1:154:A:ALA:H	2	1.95
(2,5196)	1:156:A:ARG:HG2	1:154:A:ALA:H	5	1.95
(2,5175)	1:156:A:ARG:HD3	1:151:A:GLU:H	16	1.95
(2,4960)	1:73:A:LEU:HD11	1:108:A:ILE:H	12	1.95
(2,4960)	1:73:A:LEU:HD12	1:108:A:ILE:H	12	1.95
(2,4960)	1:73:A:LEU:HD13	1:108:A:ILE:H	12	1.95
(2,4820)	1:51:A:LEU:HD21	1:84:A:ALA:H	12	1.95
(2,4820)	1:51:A:LEU:HD22	1:84:A:ALA:H	12	1.95
(2,4820)	1:51:A:LEU:HD23	1:84:A:ALA:H	12	1.95
(2,4484)	1:162:A:LYS:HG2	1:25:A:GLN:HE22	1	1.95
(2,4129)	1:111:A:PRO:HD3	1:109:A:ILE:H	6	1.95
(2,3712)	1:82:A:LEU:HD21	1:117:A:VAL:H	18	1.95
(2,3712)	1:82:A:LEU:HD22	1:117:A:VAL:H	18	1.95
(2,3712)	1:82:A:LEU:HD23	1:117:A:VAL:H	18	1.95
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD21	16	1.95
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD22	16	1.95
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD23	16	1.95
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG21	2	1.95
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG22	2	1.95
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG23	2	1.95
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD11	6	1.95
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD12	6	1.95
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD13	6	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD21	6	1.95
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD22	6	1.95
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD23	6	1.95
(2,2529)	1:25:A:GLN:HE21	1:162:A:LYS:HG2	9	1.95
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD21	15	1.95
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD22	15	1.95
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD23	15	1.95
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD21	15	1.95
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD22	15	1.95
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD23	15	1.95
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD21	15	1.95
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD22	15	1.95
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD23	15	1.95
(2,1925)	1:38:A:LYS:HE2	1:39:A:SER:HB3	5	1.95
(2,1717)	1:158:A:GLU:HG2	1:155:A:GLU:HA	7	1.95
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG11	5	1.95
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG12	5	1.95
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG13	5	1.95
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG11	5	1.95
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG12	5	1.95
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG13	5	1.95
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG11	5	1.95
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG12	5	1.95
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG13	5	1.95
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD11	15	1.95
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD12	15	1.95
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD13	15	1.95
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD21	7	1.95
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD22	7	1.95
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD23	7	1.95
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD21	7	1.95
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD22	7	1.95
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD23	7	1.95
(2,4880)	1:96:A:GLU:HG2	1:95:A:ALA:H	8	1.94
(2,4633)	1:3:A:ILE:HG12	1:48:A:ASP:H	12	1.94
(2,4484)	1:162:A:LYS:HG2	1:25:A:GLN:HE22	15	1.94
(2,4484)	1:162:A:LYS:HG2	1:25:A:GLN:HE22	18	1.94
(2,4129)	1:111:A:PRO:HD3	1:109:A:ILE:H	16	1.94
(2,4101)	1:41:A:LYS:HG2	1:45:A:GLU:H	10	1.94
(2,3911)	1:105:A:ILE:HG12	1:104:A:THR:H	11	1.94
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD11	15	1.94
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD12	15	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD13	15	1.94
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD21	19	1.94
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD22	19	1.94
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD23	19	1.94
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD21	4	1.94
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD22	4	1.94
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD23	4	1.94
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD21	13	1.94
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD22	13	1.94
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD23	13	1.94
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD11	14	1.94
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD12	14	1.94
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD13	14	1.94
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD11	16	1.94
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD12	16	1.94
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD13	16	1.94
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD11	16	1.94
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD12	16	1.94
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD13	16	1.94
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD11	16	1.94
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD12	16	1.94
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD13	16	1.94
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD11	8	1.94
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD12	8	1.94
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD13	8	1.94
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG11	14	1.94
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG12	14	1.94
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG13	14	1.94
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG11	17	1.94
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG12	17	1.94
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG13	17	1.94
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG11	17	1.94
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG12	17	1.94
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG13	17	1.94
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG11	17	1.94
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG12	17	1.94
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG13	17	1.94
(2,1505)	1:23:A:GLN:HE22	1:20:A:LYS:HA	15	1.94
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD11	8	1.94
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD12	8	1.94
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD13	8	1.94
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD21	15	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD22	15	1.94
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD23	15	1.94
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD21	15	1.94
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD22	15	1.94
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD23	15	1.94
(3,688)	1:92:A:GLU:HB3	1:91:A:GLN:HE21	11	1.93
(2,5366)	1:10:A:SER:HA	1:14:A:ASN:HD22	14	1.93
(2,5366)	1:10:A:SER:HA	1:14:A:ASN:HD22	15	1.93
(2,5366)	1:10:A:SER:HA	1:14:A:ASN:HD22	16	1.93
(2,5366)	1:10:A:SER:HA	1:14:A:ASN:HD22	19	1.93
(2,5300)	1:82:A:LEU:HD21	1:168:A:LEU:H	8	1.93
(2,5300)	1:82:A:LEU:HD22	1:168:A:LEU:H	8	1.93
(2,5300)	1:82:A:LEU:HD23	1:168:A:LEU:H	8	1.93
(2,5277)	1:168:A:LEU:HD21	1:165:A:SER:H	9	1.93
(2,5277)	1:168:A:LEU:HD22	1:165:A:SER:H	9	1.93
(2,5277)	1:168:A:LEU:HD23	1:165:A:SER:H	9	1.93
(2,5271)	1:117:A:VAL:HG11	1:164:A:ILE:H	10	1.93
(2,5271)	1:117:A:VAL:HG12	1:164:A:ILE:H	10	1.93
(2,5271)	1:117:A:VAL:HG13	1:164:A:ILE:H	10	1.93
(2,4932)	1:106:A:ARG:HB2	1:104:A:THR:H	18	1.93
(2,4866)	1:91:A:GLN:HG3	1:93:A:ASP:H	1	1.93
(2,4820)	1:51:A:LEU:HD21	1:84:A:ALA:H	14	1.93
(2,4820)	1:51:A:LEU:HD22	1:84:A:ALA:H	14	1.93
(2,4820)	1:51:A:LEU:HD23	1:84:A:ALA:H	14	1.93
(2,4129)	1:111:A:PRO:HD3	1:109:A:ILE:H	9	1.93
(2,3911)	1:105:A:ILE:HG12	1:104:A:THR:H	10	1.93
(2,3712)	1:82:A:LEU:HD21	1:117:A:VAL:H	16	1.93
(2,3712)	1:82:A:LEU:HD22	1:117:A:VAL:H	16	1.93
(2,3712)	1:82:A:LEU:HD23	1:117:A:VAL:H	16	1.93
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD21	11	1.93
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD22	11	1.93
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD23	11	1.93
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG21	12	1.93
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG22	12	1.93
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG23	12	1.93
(2,2842)	1:116:A:ILE:HG12	1:106:A:ARG:HD3	13	1.93
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD21	19	1.93
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD22	19	1.93
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD23	19	1.93
(2,2529)	1:25:A:GLN:HE21	1:162:A:LYS:HG2	2	1.93
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD11	20	1.93
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD12	20	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD13	20	1.93
(2,1389)	1:16:A:GLU:HG3	1:8:A:PHE:HB2	16	1.93
(2,1203)	1:30:A:VAL:HG11	1:174:A:LEU:HA	2	1.93
(2,1203)	1:30:A:VAL:HG12	1:174:A:LEU:HA	2	1.93
(2,1203)	1:30:A:VAL:HG13	1:174:A:LEU:HA	2	1.93
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB1	13	1.93
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB2	13	1.93
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB3	13	1.93
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB1	13	1.93
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB2	13	1.93
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB3	13	1.93
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD1	13	1.93
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD2	13	1.93
(3,569)	1:91:A:GLN:HG2	1:126:A:HIS:H	19	1.92
(2,5366)	1:10:A:SER:HA	1:14:A:ASN:HD22	9	1.92
(2,5366)	1:10:A:SER:HA	1:14:A:ASN:HD22	20	1.92
(2,5238)	1:25:A:GLN:HE22	1:160:A:TRP:H	5	1.92
(2,5196)	1:156:A:ARG:HG2	1:154:A:ALA:H	4	1.92
(2,5148)	1:156:A:ARG:HG2	1:145:A:ASP:H	16	1.92
(2,4880)	1:96:A:GLU:HG2	1:95:A:ALA:H	20	1.92
(2,4129)	1:111:A:PRO:HD3	1:109:A:ILE:H	1	1.92
(2,3911)	1:105:A:ILE:HG12	1:104:A:THR:H	16	1.92
(2,3514)	1:106:A:ARG:HG3	1:107:A:ASP:HB2	13	1.92
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD11	10	1.92
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD12	10	1.92
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD13	10	1.92
(2,2940)	1:112:A:ARG:HD2	1:111:A:PRO:HB3	4	1.92
(2,2388)	1:112:A:ARG:HD2	1:111:A:PRO:HB2	2	1.92
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG21	7	1.92
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG22	7	1.92
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG23	7	1.92
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG21	7	1.92
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG22	7	1.92
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG23	7	1.92
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG21	7	1.92
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG22	7	1.92
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG23	7	1.92
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD11	17	1.92
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD12	17	1.92
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD13	17	1.92
(2,1713)	1:174:A:LEU:HD11	1:166:A:GLU:HA	20	1.92
(2,1713)	1:174:A:LEU:HD12	1:166:A:GLU:HA	20	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1713)	1:174:A:LEU:HD13	1:166:A:GLU:HA	20	1.92
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG21	2	1.92
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG22	2	1.92
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG23	2	1.92
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD21	4	1.92
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD22	4	1.92
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD23	4	1.92
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD21	4	1.92
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD22	4	1.92
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD23	4	1.92
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD11	1	1.92
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD12	1	1.92
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD13	1	1.92
(2,798)	1:112:A:ARG:HD2	1:111:A:PRO:HG2	8	1.92
(2,5271)	1:117:A:VAL:HG11	1:164:A:ILE:H	3	1.91
(2,5271)	1:117:A:VAL:HG12	1:164:A:ILE:H	3	1.91
(2,5271)	1:117:A:VAL:HG13	1:164:A:ILE:H	3	1.91
(2,4484)	1:162:A:LYS:HG2	1:25:A:GLN:HE22	20	1.91
(2,3921)	1:45:A:GLU:HB2	1:44:A:LEU:H	14	1.91
(2,3514)	1:106:A:ARG:HG3	1:107:A:ASP:HB2	5	1.91
(2,3514)	1:106:A:ARG:HG3	1:107:A:ASP:HB2	12	1.91
(2,3514)	1:106:A:ARG:HG3	1:107:A:ASP:HB2	20	1.91
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD21	3	1.91
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD22	3	1.91
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD23	3	1.91
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD21	7	1.91
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD22	7	1.91
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD23	7	1.91
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD21	17	1.91
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD22	17	1.91
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD23	17	1.91
(2,2529)	1:25:A:GLN:HE21	1:162:A:LYS:HG2	20	1.91
(2,2479)	1:30:A:VAL:HG11	1:173:A:ILE:HB	14	1.91
(2,2479)	1:30:A:VAL:HG12	1:173:A:ILE:HB	14	1.91
(2,2479)	1:30:A:VAL:HG13	1:173:A:ILE:HB	14	1.91
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD11	6	1.91
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD12	6	1.91
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD13	6	1.91
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD11	17	1.91
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD12	17	1.91
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD13	17	1.91
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD11	17	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD12	17	1.91
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD13	17	1.91
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD11	17	1.91
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD12	17	1.91
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD13	17	1.91
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG11	14	1.91
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG12	14	1.91
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG13	14	1.91
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD1	7	1.9
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD2	7	1.9
(2,5366)	1:10:A:SER:HA	1:14:A:ASN:HD22	1	1.9
(2,5277)	1:168:A:LEU:HD21	1:165:A:SER:H	2	1.9
(2,5277)	1:168:A:LEU:HD22	1:165:A:SER:H	2	1.9
(2,5277)	1:168:A:LEU:HD23	1:165:A:SER:H	2	1.9
(2,5277)	1:168:A:LEU:HD21	1:165:A:SER:H	10	1.9
(2,5277)	1:168:A:LEU:HD22	1:165:A:SER:H	10	1.9
(2,5277)	1:168:A:LEU:HD23	1:165:A:SER:H	10	1.9
(2,4557)	1:38:A:LYS:HD2	1:37:A:ALA:H	7	1.9
(2,4484)	1:162:A:LYS:HG2	1:25:A:GLN:HE22	9	1.9
(2,3517)	1:170:A:LEU:HD11	1:173:A:ILE:HB	19	1.9
(2,3517)	1:170:A:LEU:HD12	1:173:A:ILE:HB	19	1.9
(2,3517)	1:170:A:LEU:HD13	1:173:A:ILE:HB	19	1.9
(2,3514)	1:106:A:ARG:HG3	1:107:A:ASP:HB2	8	1.9
(2,3514)	1:106:A:ARG:HG3	1:107:A:ASP:HB2	16	1.9
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD21	11	1.9
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD22	11	1.9
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD23	11	1.9
(2,2080)	1:82:A:LEU:HD21	1:49:A:ILE:HA	5	1.9
(2,2080)	1:82:A:LEU:HD22	1:49:A:ILE:HA	5	1.9
(2,2080)	1:82:A:LEU:HD23	1:49:A:ILE:HA	5	1.9
(2,2080)	1:82:A:LEU:HD21	1:49:A:ILE:HA	12	1.9
(2,2080)	1:82:A:LEU:HD22	1:49:A:ILE:HA	12	1.9
(2,2080)	1:82:A:LEU:HD23	1:49:A:ILE:HA	12	1.9
(2,1713)	1:174:A:LEU:HD11	1:166:A:GLU:HA	5	1.9
(2,1713)	1:174:A:LEU:HD12	1:166:A:GLU:HA	5	1.9
(2,1713)	1:174:A:LEU:HD13	1:166:A:GLU:HA	5	1.9
(2,1505)	1:23:A:GLN:HE22	1:20:A:LYS:HA	2	1.9
(2,1314)	1:26:A:LEU:HG	1:4:A:THR:HB	5	1.9
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD11	16	1.9
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD12	16	1.9
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD13	16	1.9
(2,94)	1:33:A:VAL:HA	1:34:A:HIS:HD2	10	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE1	3	1.9
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE2	3	1.9
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD11	10	1.89
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD12	10	1.89
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD13	10	1.89
(2,5366)	1:10:A:SER:HA	1:14:A:ASN:HD22	12	1.89
(2,5277)	1:168:A:LEU:HD21	1:165:A:SER:H	19	1.89
(2,5277)	1:168:A:LEU:HD22	1:165:A:SER:H	19	1.89
(2,5277)	1:168:A:LEU:HD23	1:165:A:SER:H	19	1.89
(2,5196)	1:156:A:ARG:HG2	1:154:A:ALA:H	3	1.89
(2,4857)	1:149:A:GLN:HG3	1:91:A:GLN:H	6	1.89
(2,4484)	1:162:A:LYS:HG2	1:25:A:GLN:HE22	14	1.89
(2,4484)	1:162:A:LYS:HG2	1:25:A:GLN:HE22	19	1.89
(2,3911)	1:105:A:ILE:HG12	1:104:A:THR:H	15	1.89
(2,3514)	1:106:A:ARG:HG3	1:107:A:ASP:HB2	2	1.89
(2,3514)	1:106:A:ARG:HG3	1:107:A:ASP:HB2	3	1.89
(2,3514)	1:106:A:ARG:HG3	1:107:A:ASP:HB2	4	1.89
(2,3514)	1:106:A:ARG:HG3	1:107:A:ASP:HB2	14	1.89
(2,3514)	1:106:A:ARG:HG3	1:107:A:ASP:HB2	17	1.89
(2,3469)	1:165:A:SER:HB3	1:166:A:GLU:HG3	3	1.89
(2,3324)	1:157:A:VAL:HG11	1:153:A:THR:HA	8	1.89
(2,3324)	1:157:A:VAL:HG12	1:153:A:THR:HA	8	1.89
(2,3324)	1:157:A:VAL:HG13	1:153:A:THR:HA	8	1.89
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD11	7	1.89
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD12	7	1.89
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD13	7	1.89
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD21	20	1.89
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD22	20	1.89
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD23	20	1.89
(2,2529)	1:25:A:GLN:HE21	1:162:A:LYS:HG2	14	1.89
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD11	2	1.89
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD12	2	1.89
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD13	2	1.89
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD11	2	1.89
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD12	2	1.89
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD13	2	1.89
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD11	2	1.89
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD12	2	1.89
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD13	2	1.89
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD11	8	1.89
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD12	8	1.89
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD13	8	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD11	8	1.89
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD12	8	1.89
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD13	8	1.89
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD11	8	1.89
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD12	8	1.89
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD13	8	1.89
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD11	20	1.89
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD12	20	1.89
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD13	20	1.89
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD11	20	1.89
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD12	20	1.89
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD13	20	1.89
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD11	20	1.89
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD12	20	1.89
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD13	20	1.89
(2,2091)	1:168:A:LEU:HB2	1:49:A:ILE:HG12	20	1.89
(2,1713)	1:174:A:LEU:HD11	1:166:A:GLU:HA	3	1.89
(2,1713)	1:174:A:LEU:HD12	1:166:A:GLU:HA	3	1.89
(2,1713)	1:174:A:LEU:HD13	1:166:A:GLU:HA	3	1.89
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG11	16	1.89
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG12	16	1.89
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG13	16	1.89
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG11	16	1.89
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG12	16	1.89
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG13	16	1.89
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG11	16	1.89
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG12	16	1.89
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG13	16	1.89
(2,1505)	1:23:A:GLN:HE22	1:20:A:LYS:HA	7	1.89
(2,1505)	1:23:A:GLN:HE22	1:20:A:LYS:HA	20	1.89
(2,1203)	1:30:A:VAL:HG11	1:174:A:LEU:HA	13	1.89
(2,1203)	1:30:A:VAL:HG12	1:174:A:LEU:HA	13	1.89
(2,1203)	1:30:A:VAL:HG13	1:174:A:LEU:HA	13	1.89
(2,792)	1:17:A:ASN:HA	1:20:A:LYS:HD2	8	1.89
(2,5277)	1:168:A:LEU:HD21	1:165:A:SER:H	11	1.88
(2,5277)	1:168:A:LEU:HD22	1:165:A:SER:H	11	1.88
(2,5277)	1:168:A:LEU:HD23	1:165:A:SER:H	11	1.88
(2,4866)	1:91:A:GLN:HG3	1:93:A:ASP:H	9	1.88
(2,4857)	1:149:A:GLN:HG3	1:91:A:GLN:H	2	1.88
(2,4820)	1:51:A:LEU:HD21	1:84:A:ALA:H	7	1.88
(2,4820)	1:51:A:LEU:HD22	1:84:A:ALA:H	7	1.88
(2,4820)	1:51:A:LEU:HD23	1:84:A:ALA:H	7	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4557)	1:38:A:LYS:HD2	1:37:A:ALA:H	19	1.88
(2,4484)	1:162:A:LYS:HG2	1:25:A:GLN:HE22	16	1.88
(2,4467)	1:23:A:GLN:HE22	1:24:A:LYS:H	14	1.88
(2,4171)	1:102:A:LEU:HD11	1:141:A:GLY:H	7	1.88
(2,4171)	1:102:A:LEU:HD12	1:141:A:GLY:H	7	1.88
(2,4171)	1:102:A:LEU:HD13	1:141:A:GLY:H	7	1.88
(2,3289)	1:90:A:ASP:HB3	1:149:A:GLN:HA	17	1.88
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD11	16	1.88
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD12	16	1.88
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD13	16	1.88
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG3	16	1.88
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG2	16	1.88
(2,2388)	1:112:A:ARG:HD2	1:111:A:PRO:HB2	8	1.88
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD11	5	1.88
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD12	5	1.88
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD13	5	1.88
(2,1735)	1:28:A:LYS:HG3	1:29:A:ASP:HA	15	1.88
(2,1505)	1:23:A:GLN:HE22	1:20:A:LYS:HA	19	1.88
(2,1180)	1:68:A:ASP:HB2	1:65:A:ASP:HA	19	1.88
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD11	14	1.88
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD12	14	1.88
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD13	14	1.88
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB1	8	1.88
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB2	8	1.88
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB3	8	1.88
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB1	8	1.88
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB2	8	1.88
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB3	8	1.88
(2,5277)	1:168:A:LEU:HD21	1:165:A:SER:H	17	1.87
(2,5277)	1:168:A:LEU:HD22	1:165:A:SER:H	17	1.87
(2,5277)	1:168:A:LEU:HD23	1:165:A:SER:H	17	1.87
(2,4932)	1:106:A:ARG:HB2	1:104:A:THR:H	15	1.87
(2,4866)	1:91:A:GLN:HG3	1:93:A:ASP:H	20	1.87
(2,4820)	1:51:A:LEU:HD21	1:84:A:ALA:H	8	1.87
(2,4820)	1:51:A:LEU:HD22	1:84:A:ALA:H	8	1.87
(2,4820)	1:51:A:LEU:HD23	1:84:A:ALA:H	8	1.87
(2,4557)	1:38:A:LYS:HD2	1:37:A:ALA:H	18	1.87
(2,4484)	1:162:A:LYS:HG2	1:25:A:GLN:HE22	2	1.87
(2,4467)	1:23:A:GLN:HE22	1:24:A:LYS:H	15	1.87
(2,4129)	1:111:A:PRO:HD3	1:109:A:ILE:H	2	1.87
(2,3987)	1:49:A:ILE:HD11	1:170:A:LEU:H	7	1.87
(2,3987)	1:49:A:ILE:HD12	1:170:A:LEU:H	7	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3987)	1:49:A:ILE:HD13	1:170:A:LEU:H	7	1.87
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD11	8	1.87
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD12	8	1.87
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD13	8	1.87
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG21	17	1.87
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG22	17	1.87
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG23	17	1.87
(2,2678)	1:96:A:GLU:HG2	1:94:A:TYR:HA	16	1.87
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD21	18	1.87
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD22	18	1.87
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD23	18	1.87
(2,2529)	1:25:A:GLN:HE21	1:162:A:LYS:HG2	16	1.87
(2,2529)	1:25:A:GLN:HE21	1:162:A:LYS:HG2	19	1.87
(2,2275)	1:158:A:GLU:HG3	1:155:A:GLU:HA	19	1.87
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG21	9	1.87
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG22	9	1.87
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG23	9	1.87
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG21	9	1.87
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG22	9	1.87
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG23	9	1.87
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG21	9	1.87
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG22	9	1.87
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG23	9	1.87
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD11	4	1.87
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD12	4	1.87
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD13	4	1.87
(2,1713)	1:174:A:LEU:HD11	1:166:A:GLU:HA	19	1.87
(2,1713)	1:174:A:LEU:HD12	1:166:A:GLU:HA	19	1.87
(2,1713)	1:174:A:LEU:HD13	1:166:A:GLU:HA	19	1.87
(2,748)	1:155:A:GLU:HA	1:158:A:GLU:HG3	19	1.87
(2,573)	1:106:A:ARG:HE	1:140:A:VAL:HG21	19	1.87
(2,573)	1:106:A:ARG:HE	1:140:A:VAL:HG22	19	1.87
(2,573)	1:106:A:ARG:HE	1:140:A:VAL:HG23	19	1.87
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD1	3	1.86
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD2	3	1.86
(2,5343)	1:171:A:ASP:HA	1:175:A:ASN:HD22	7	1.86
(2,5175)	1:156:A:ARG:HD3	1:151:A:GLU:H	9	1.86
(2,5175)	1:156:A:ARG:HD3	1:151:A:GLU:H	17	1.86
(2,4820)	1:51:A:LEU:HD21	1:84:A:ALA:H	19	1.86
(2,4820)	1:51:A:LEU:HD22	1:84:A:ALA:H	19	1.86
(2,4820)	1:51:A:LEU:HD23	1:84:A:ALA:H	19	1.86
(2,4435)	1:20:A:LYS:HD2	1:19:A:ALA:H	8	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD11	15	1.86
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD12	15	1.86
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD13	15	1.86
(2,3324)	1:157:A:VAL:HG11	1:153:A:THR:HA	17	1.86
(2,3324)	1:157:A:VAL:HG12	1:153:A:THR:HA	17	1.86
(2,3324)	1:157:A:VAL:HG13	1:153:A:THR:HA	17	1.86
(2,3289)	1:90:A:ASP:HB3	1:149:A:GLN:HA	9	1.86
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD11	3	1.86
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD12	3	1.86
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD13	3	1.86
(2,2091)	1:168:A:LEU:HB2	1:49:A:ILE:HG12	1	1.86
(2,2080)	1:82:A:LEU:HD21	1:49:A:ILE:HA	13	1.86
(2,2080)	1:82:A:LEU:HD22	1:49:A:ILE:HA	13	1.86
(2,2080)	1:82:A:LEU:HD23	1:49:A:ILE:HA	13	1.86
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG11	14	1.86
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG12	14	1.86
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG13	14	1.86
(2,1505)	1:23:A:GLN:HE22	1:20:A:LYS:HA	1	1.86
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD11	14	1.86
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD12	14	1.86
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD13	14	1.86
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD21	6	1.86
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD22	6	1.86
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD23	6	1.86
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD21	6	1.86
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD22	6	1.86
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD23	6	1.86
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD21	6	1.86
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD22	6	1.86
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD23	6	1.86
(2,798)	1:112:A:ARG:HD2	1:111:A:PRO:HG2	19	1.86
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG11	13	1.86
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG12	13	1.86
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG13	13	1.86
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD11	18	1.86
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD12	18	1.86
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD13	18	1.86
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD1	17	1.86
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD2	17	1.86
(2,5059)	1:131:A:LYS:HG3	1:130:A:SER:H	15	1.85
(2,4880)	1:96:A:GLU:HG2	1:95:A:ALA:H	10	1.85
(2,4820)	1:51:A:LEU:HD21	1:84:A:ALA:H	1	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4820)	1:51:A:LEU:HD22	1:84:A:ALA:H	1	1.85
(2,4820)	1:51:A:LEU:HD23	1:84:A:ALA:H	1	1.85
(2,3934)	1:91:A:GLN:HG2	1:92:A:GLU:H	3	1.85
(2,3911)	1:105:A:ILE:HG12	1:104:A:THR:H	18	1.85
(2,2531)	1:50:A:LEU:HD21	1:81:A:LYS:HD2	4	1.85
(2,2531)	1:50:A:LEU:HD22	1:81:A:LYS:HD2	4	1.85
(2,2531)	1:50:A:LEU:HD23	1:81:A:LYS:HD2	4	1.85
(2,2091)	1:168:A:LEU:HB2	1:49:A:ILE:HG12	4	1.85
(2,2091)	1:168:A:LEU:HB2	1:49:A:ILE:HG12	19	1.85
(2,2080)	1:82:A:LEU:HD21	1:49:A:ILE:HA	8	1.85
(2,2080)	1:82:A:LEU:HD22	1:49:A:ILE:HA	8	1.85
(2,2080)	1:82:A:LEU:HD23	1:49:A:ILE:HA	8	1.85
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD11	17	1.85
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD12	17	1.85
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD13	17	1.85
(2,1224)	1:38:A:LYS:HB2	1:38:A:LYS:HE2	19	1.85
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD1	2	1.85
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD2	2	1.85
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD1	19	1.85
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD2	19	1.85
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD1	19	1.85
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD2	19	1.85
(3,273)	1:144:A:ILE:HG12	1:149:A:GLN:HA	5	1.84
(2,5366)	1:10:A:SER:HA	1:14:A:ASN:HD22	17	1.84
(2,5271)	1:117:A:VAL:HG11	1:164:A:ILE:H	4	1.84
(2,5271)	1:117:A:VAL:HG12	1:164:A:ILE:H	4	1.84
(2,5271)	1:117:A:VAL:HG13	1:164:A:ILE:H	4	1.84
(2,5196)	1:156:A:ARG:HG2	1:154:A:ALA:H	15	1.84
(2,4932)	1:106:A:ARG:HB2	1:104:A:THR:H	11	1.84
(2,4880)	1:96:A:GLU:HG2	1:95:A:ALA:H	15	1.84
(2,4708)	1:61:A:GLU:HB2	1:63:A:GLN:H	10	1.84
(2,3712)	1:82:A:LEU:HD21	1:117:A:VAL:H	15	1.84
(2,3712)	1:82:A:LEU:HD22	1:117:A:VAL:H	15	1.84
(2,3712)	1:82:A:LEU:HD23	1:117:A:VAL:H	15	1.84
(2,3289)	1:90:A:ASP:HB3	1:149:A:GLN:HA	3	1.84
(2,3174)	1:156:A:ARG:HB2	1:144:A:ILE:HG12	18	1.84
(2,1713)	1:174:A:LEU:HD11	1:166:A:GLU:HA	7	1.84
(2,1713)	1:174:A:LEU:HD12	1:166:A:GLU:HA	7	1.84
(2,1713)	1:174:A:LEU:HD13	1:166:A:GLU:HA	7	1.84
(2,1224)	1:38:A:LYS:HB2	1:38:A:LYS:HE2	5	1.84
(2,1224)	1:38:A:LYS:HB2	1:38:A:LYS:HE2	7	1.84
(2,1224)	1:38:A:LYS:HB2	1:38:A:LYS:HE2	17	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD11	7	1.84
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD12	7	1.84
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD13	7	1.84
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD11	7	1.84
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD12	7	1.84
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD13	7	1.84
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD11	7	1.84
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD12	7	1.84
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD13	7	1.84
(3,165)	1:112:A:ARG:HB3	1:81:A:LYS:HD2	3	1.83
(2,5343)	1:171:A:ASP:HA	1:175:A:ASN:HD22	8	1.83
(2,4820)	1:51:A:LEU:HD21	1:84:A:ALA:H	15	1.83
(2,4820)	1:51:A:LEU:HD22	1:84:A:ALA:H	15	1.83
(2,4820)	1:51:A:LEU:HD23	1:84:A:ALA:H	15	1.83
(2,4708)	1:61:A:GLU:HB2	1:63:A:GLN:H	17	1.83
(2,4467)	1:23:A:GLN:HE22	1:24:A:LYS:H	12	1.83
(2,4003)	1:76:A:ILE:HG12	1:75:A:GLU:H	10	1.83
(2,3911)	1:105:A:ILE:HG12	1:104:A:THR:H	20	1.83
(2,3827)	1:145:A:ASP:HB2	1:147:A:ASP:H	17	1.83
(2,3794)	1:152:A:LEU:HB3	1:156:A:ARG:H	1	1.83
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD11	7	1.83
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD12	7	1.83
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD13	7	1.83
(2,3433)	1:162:A:LYS:H	1:163:A:GLN:HG3	20	1.83
(2,3431)	1:162:A:LYS:HA	1:163:A:GLN:HG3	20	1.83
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD11	14	1.83
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD12	14	1.83
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD13	14	1.83
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD3	1	1.83
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD2	1	1.83
(2,2940)	1:112:A:ARG:HD2	1:111:A:PRO:HB3	19	1.83
(2,2651)	1:149:A:GLN:HB2	1:90:A:ASP:HA	14	1.83
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD21	2	1.83
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD22	2	1.83
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD23	2	1.83
(2,2388)	1:112:A:ARG:HD2	1:111:A:PRO:HB2	16	1.83
(2,1717)	1:158:A:GLU:HG2	1:155:A:GLU:HA	10	1.83
(2,1713)	1:174:A:LEU:HD11	1:166:A:GLU:HA	16	1.83
(2,1713)	1:174:A:LEU:HD12	1:166:A:GLU:HA	16	1.83
(2,1713)	1:174:A:LEU:HD13	1:166:A:GLU:HA	16	1.83
(2,1279)	1:168:A:LEU:HD11	1:170:A:LEU:HG	14	1.83
(2,1279)	1:168:A:LEU:HD12	1:170:A:LEU:HG	14	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1279)	1:168:A:LEU:HD13	1:170:A:LEU:HG	14	1.83
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD11	6	1.83
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD12	6	1.83
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD13	6	1.83
(2,1224)	1:38:A:LYS:HB2	1:38:A:LYS:HE2	12	1.83
(2,1224)	1:38:A:LYS:HB2	1:38:A:LYS:HE2	13	1.83
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD21	9	1.83
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD22	9	1.83
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD23	9	1.83
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD21	9	1.83
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD22	9	1.83
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD23	9	1.83
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB1	11	1.83
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB2	11	1.83
(2,615)	1:125:A:TYR:HE1	1:95:A:ALA:HB3	11	1.83
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB1	11	1.83
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB2	11	1.83
(2,615)	1:125:A:TYR:HE2	1:95:A:ALA:HB3	11	1.83
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG11	10	1.83
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG12	10	1.83
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG13	10	1.83
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD11	3	1.83
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD12	3	1.83
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD13	3	1.83
(3,67)	1:25:A:GLN:HE21	1:21:A:MET:HE1	13	1.82
(3,67)	1:25:A:GLN:HE21	1:21:A:MET:HE2	13	1.82
(3,67)	1:25:A:GLN:HE21	1:21:A:MET:HE3	13	1.82
(2,5196)	1:156:A:ARG:HG2	1:154:A:ALA:H	8	1.82
(2,4857)	1:149:A:GLN:HG3	1:91:A:GLN:H	8	1.82
(2,3493)	1:172:A:GLU:HG2	1:169:A:HIS:HB2	7	1.82
(2,3493)	1:172:A:GLU:HG2	1:169:A:HIS:HB2	8	1.82
(2,3429)	1:155:A:GLU:HG2	1:159:A:LYS:HE2	12	1.82
(2,2844)	1:116:A:ILE:HG12	1:106:A:ARG:HD2	18	1.82
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG2	9	1.82
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG3	9	1.82
(2,2080)	1:82:A:LEU:HD21	1:49:A:ILE:HA	9	1.82
(2,2080)	1:82:A:LEU:HD22	1:49:A:ILE:HA	9	1.82
(2,2080)	1:82:A:LEU:HD23	1:49:A:ILE:HA	9	1.82
(2,1721)	1:24:A:LYS:HE2	1:28:A:LYS:HB2	5	1.82
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG11	1	1.82
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG12	1	1.82
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG13	1	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG11	1	1.82
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG12	1	1.82
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG13	1	1.82
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG11	1	1.82
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG12	1	1.82
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG13	1	1.82
(2,1505)	1:23:A:GLN:HE22	1:20:A:LYS:HA	16	1.82
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD21	2	1.82
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD22	2	1.82
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD23	2	1.82
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD21	2	1.82
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD22	2	1.82
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD23	2	1.82
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD21	2	1.82
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD22	2	1.82
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD23	2	1.82
(2,1203)	1:30:A:VAL:HG11	1:174:A:LEU:HA	10	1.82
(2,1203)	1:30:A:VAL:HG12	1:174:A:LEU:HA	10	1.82
(2,1203)	1:30:A:VAL:HG13	1:174:A:LEU:HA	10	1.82
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG11	4	1.82
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG12	4	1.82
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG13	4	1.82
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD1	12	1.82
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD2	12	1.82
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD1	12	1.82
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD2	12	1.82
(2,5271)	1:117:A:VAL:HG11	1:164:A:ILE:H	11	1.81
(2,5271)	1:117:A:VAL:HG12	1:164:A:ILE:H	11	1.81
(2,5271)	1:117:A:VAL:HG13	1:164:A:ILE:H	11	1.81
(2,5148)	1:156:A:ARG:HG2	1:145:A:ASP:H	11	1.81
(2,2651)	1:149:A:GLN:HB2	1:90:A:ASP:HA	2	1.81
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD21	16	1.81
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD22	16	1.81
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD23	16	1.81
(2,2080)	1:82:A:LEU:HD21	1:49:A:ILE:HA	10	1.81
(2,2080)	1:82:A:LEU:HD22	1:49:A:ILE:HA	10	1.81
(2,2080)	1:82:A:LEU:HD23	1:49:A:ILE:HA	10	1.81
(2,2080)	1:82:A:LEU:HD21	1:49:A:ILE:HA	17	1.81
(2,2080)	1:82:A:LEU:HD22	1:49:A:ILE:HA	17	1.81
(2,2080)	1:82:A:LEU:HD23	1:49:A:ILE:HA	17	1.81
(2,1717)	1:158:A:GLU:HG2	1:155:A:GLU:HA	13	1.81
(2,1659)	1:34:A:HIS:HB2	1:38:A:LYS:HE3	1	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1505)	1:23:A:GLN:HE22	1:20:A:LYS:HA	12	1.81
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD21	11	1.81
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD22	11	1.81
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD23	11	1.81
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD21	11	1.81
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD22	11	1.81
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD23	11	1.81
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD21	11	1.81
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD22	11	1.81
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD23	11	1.81
(3,105)	1:64:A:CYS:HB2	1:37:A:ALA:HA	12	1.8
(2,5366)	1:10:A:SER:HA	1:14:A:ASN:HD22	3	1.8
(2,5366)	1:10:A:SER:HA	1:14:A:ASN:HD22	4	1.8
(2,5189)	1:156:A:ARG:HG2	1:153:A:THR:H	16	1.8
(2,5148)	1:156:A:ARG:HG2	1:145:A:ASP:H	14	1.8
(2,4880)	1:96:A:GLU:HG2	1:95:A:ALA:H	16	1.8
(2,4557)	1:38:A:LYS:HD2	1:37:A:ALA:H	5	1.8
(2,4557)	1:38:A:LYS:HD2	1:37:A:ALA:H	15	1.8
(2,4508)	1:28:A:LYS:HD2	1:30:A:VAL:H	5	1.8
(2,4467)	1:23:A:GLN:HE22	1:24:A:LYS:H	5	1.8
(2,4467)	1:23:A:GLN:HE22	1:24:A:LYS:H	11	1.8
(2,4171)	1:102:A:LEU:HD11	1:141:A:GLY:H	5	1.8
(2,4171)	1:102:A:LEU:HD12	1:141:A:GLY:H	5	1.8
(2,4171)	1:102:A:LEU:HD13	1:141:A:GLY:H	5	1.8
(2,3827)	1:145:A:ASP:HB2	1:147:A:ASP:H	9	1.8
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG11	15	1.8
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG12	15	1.8
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG13	15	1.8
(2,2844)	1:116:A:ILE:HG12	1:106:A:ARG:HD2	6	1.8
(2,2678)	1:96:A:GLU:HG2	1:94:A:TYR:HA	5	1.8
(2,1204)	1:128:A:GLU:HB2	1:95:A:ALA:HA	5	1.8
(2,1131)	1:105:A:ILE:HG12	1:102:A:LEU:HA	16	1.8
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD11	3	1.8
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD12	3	1.8
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD13	3	1.8
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD11	3	1.8
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD12	3	1.8
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD13	3	1.8
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD11	3	1.8
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD12	3	1.8
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD13	3	1.8
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG11	17	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG12	17	1.8
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG13	17	1.8
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD11	14	1.8
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD12	14	1.8
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD13	14	1.8
(2,5277)	1:168:A:LEU:HD21	1:165:A:SER:H	1	1.79
(2,5277)	1:168:A:LEU:HD22	1:165:A:SER:H	1	1.79
(2,5277)	1:168:A:LEU:HD23	1:165:A:SER:H	1	1.79
(2,5271)	1:117:A:VAL:HG11	1:164:A:ILE:H	14	1.79
(2,5271)	1:117:A:VAL:HG12	1:164:A:ILE:H	14	1.79
(2,5271)	1:117:A:VAL:HG13	1:164:A:ILE:H	14	1.79
(2,4953)	1:108:A:ILE:HG12	1:107:A:ASP:H	11	1.79
(2,4932)	1:106:A:ARG:HB2	1:104:A:THR:H	9	1.79
(2,4820)	1:51:A:LEU:HD21	1:84:A:ALA:H	4	1.79
(2,4820)	1:51:A:LEU:HD22	1:84:A:ALA:H	4	1.79
(2,4820)	1:51:A:LEU:HD23	1:84:A:ALA:H	4	1.79
(2,4820)	1:51:A:LEU:HD21	1:84:A:ALA:H	5	1.79
(2,4820)	1:51:A:LEU:HD22	1:84:A:ALA:H	5	1.79
(2,4820)	1:51:A:LEU:HD23	1:84:A:ALA:H	5	1.79
(2,4820)	1:51:A:LEU:HD21	1:84:A:ALA:H	9	1.79
(2,4820)	1:51:A:LEU:HD22	1:84:A:ALA:H	9	1.79
(2,4820)	1:51:A:LEU:HD23	1:84:A:ALA:H	9	1.79
(2,4820)	1:51:A:LEU:HD21	1:84:A:ALA:H	13	1.79
(2,4820)	1:51:A:LEU:HD22	1:84:A:ALA:H	13	1.79
(2,4820)	1:51:A:LEU:HD23	1:84:A:ALA:H	13	1.79
(2,4508)	1:28:A:LYS:HD2	1:30:A:VAL:H	20	1.79
(2,4467)	1:23:A:GLN:HE22	1:24:A:LYS:H	16	1.79
(2,3437)	1:170:A:LEU:HG	1:164:A:ILE:HA	15	1.79
(2,3428)	1:155:A:GLU:HB2	1:159:A:LYS:HE2	4	1.79
(2,3109)	1:125:A:TYR:HE1	1:128:A:GLU:HG2	12	1.79
(2,3109)	1:125:A:TYR:HE2	1:128:A:GLU:HG2	12	1.79
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG3	10	1.79
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG2	10	1.79
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD11	15	1.79
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD12	15	1.79
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD13	15	1.79
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD11	15	1.79
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD12	15	1.79
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD13	15	1.79
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD11	15	1.79
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD12	15	1.79
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD13	15	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2091)	1:168:A:LEU:HB2	1:49:A:ILE:HG12	18	1.79
(2,2080)	1:82:A:LEU:HD21	1:49:A:ILE:HA	1	1.79
(2,2080)	1:82:A:LEU:HD22	1:49:A:ILE:HA	1	1.79
(2,2080)	1:82:A:LEU:HD23	1:49:A:ILE:HA	1	1.79
(2,2080)	1:82:A:LEU:HD21	1:49:A:ILE:HA	2	1.79
(2,2080)	1:82:A:LEU:HD22	1:49:A:ILE:HA	2	1.79
(2,2080)	1:82:A:LEU:HD23	1:49:A:ILE:HA	2	1.79
(2,2080)	1:82:A:LEU:HD21	1:49:A:ILE:HA	19	1.79
(2,2080)	1:82:A:LEU:HD22	1:49:A:ILE:HA	19	1.79
(2,2080)	1:82:A:LEU:HD23	1:49:A:ILE:HA	19	1.79
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD11	5	1.79
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD12	5	1.79
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD13	5	1.79
(2,1717)	1:158:A:GLU:HG2	1:155:A:GLU:HA	14	1.79
(2,1505)	1:23:A:GLN:HE22	1:20:A:LYS:HA	10	1.79
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD11	20	1.79
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD12	20	1.79
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD13	20	1.79
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD21	14	1.79
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD22	14	1.79
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD23	14	1.79
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD21	14	1.79
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD22	14	1.79
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD23	14	1.79
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD21	14	1.79
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD22	14	1.79
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD23	14	1.79
(2,1204)	1:128:A:GLU:HB2	1:95:A:ALA:HA	1	1.79
(2,1203)	1:30:A:VAL:HG11	1:174:A:LEU:HA	16	1.79
(2,1203)	1:30:A:VAL:HG12	1:174:A:LEU:HA	16	1.79
(2,1203)	1:30:A:VAL:HG13	1:174:A:LEU:HA	16	1.79
(2,1180)	1:68:A:ASP:HB2	1:65:A:ASP:HA	2	1.79
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD11	7	1.79
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD12	7	1.79
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD13	7	1.79
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG11	5	1.79
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG12	5	1.79
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG13	5	1.79
(2,4960)	1:73:A:LEU:HD11	1:108:A:ILE:H	1	1.78
(2,4960)	1:73:A:LEU:HD12	1:108:A:ILE:H	1	1.78
(2,4960)	1:73:A:LEU:HD13	1:108:A:ILE:H	1	1.78
(2,4953)	1:108:A:ILE:HG12	1:107:A:ASP:H	15	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4467)	1:23:A:GLN:HE22	1:24:A:LYS:H	7	1.78
(2,4467)	1:23:A:GLN:HE22	1:24:A:LYS:H	8	1.78
(2,3896)	1:26:A:LEU:HD11	1:24:A:LYS:H	13	1.78
(2,3896)	1:26:A:LEU:HD12	1:24:A:LYS:H	13	1.78
(2,3896)	1:26:A:LEU:HD13	1:24:A:LYS:H	13	1.78
(2,3517)	1:170:A:LEU:HD11	1:173:A:ILE:HB	14	1.78
(2,3517)	1:170:A:LEU:HD12	1:173:A:ILE:HB	14	1.78
(2,3517)	1:170:A:LEU:HD13	1:173:A:ILE:HB	14	1.78
(2,3429)	1:155:A:GLU:HG2	1:159:A:LYS:HE2	11	1.78
(2,3289)	1:90:A:ASP:HB3	1:149:A:GLN:HA	13	1.78
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD3	17	1.78
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD2	17	1.78
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD11	5	1.78
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD12	5	1.78
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD13	5	1.78
(2,2678)	1:96:A:GLU:HG2	1:94:A:TYR:HA	17	1.78
(2,2080)	1:82:A:LEU:HD21	1:49:A:ILE:HA	11	1.78
(2,2080)	1:82:A:LEU:HD22	1:49:A:ILE:HA	11	1.78
(2,2080)	1:82:A:LEU:HD23	1:49:A:ILE:HA	11	1.78
(2,1505)	1:23:A:GLN:HE22	1:20:A:LYS:HA	13	1.78
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD21	15	1.78
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD22	15	1.78
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD23	15	1.78
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD21	15	1.78
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD22	15	1.78
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD23	15	1.78
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD21	15	1.78
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD22	15	1.78
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD23	15	1.78
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD11	5	1.78
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD12	5	1.78
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD13	5	1.78
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD11	18	1.78
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD12	18	1.78
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD13	18	1.78
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD11	18	1.78
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD12	18	1.78
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD13	18	1.78
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD11	18	1.78
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD12	18	1.78
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD13	18	1.78
(2,816)	1:165:A:SER:HA	1:26:A:LEU:HG	9	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5366)	1:10:A:SER:HA	1:14:A:ASN:HD22	5	1.77
(2,5366)	1:10:A:SER:HA	1:14:A:ASN:HD22	13	1.77
(2,4879)	1:91:A:GLN:HG2	1:95:A:ALA:H	4	1.77
(2,4508)	1:28:A:LYS:HD2	1:30:A:VAL:H	4	1.77
(2,4480)	1:26:A:LEU:HD11	1:25:A:GLN:H	11	1.77
(2,4480)	1:26:A:LEU:HD12	1:25:A:GLN:H	11	1.77
(2,4480)	1:26:A:LEU:HD13	1:25:A:GLN:H	11	1.77
(2,4003)	1:76:A:ILE:HG12	1:75:A:GLU:H	15	1.77
(2,3517)	1:170:A:LEU:HD11	1:173:A:ILE:HB	8	1.77
(2,3517)	1:170:A:LEU:HD12	1:173:A:ILE:HB	8	1.77
(2,3517)	1:170:A:LEU:HD13	1:173:A:ILE:HB	8	1.77
(2,3516)	1:175:A:ASN:HB2	1:172:A:GLU:HA	16	1.77
(2,3516)	1:175:A:ASN:HB2	1:172:A:GLU:HA	17	1.77
(2,3516)	1:175:A:ASN:HB2	1:172:A:GLU:HA	19	1.77
(2,3514)	1:106:A:ARG:HG3	1:107:A:ASP:HB2	19	1.77
(2,2080)	1:82:A:LEU:HD21	1:49:A:ILE:HA	7	1.77
(2,2080)	1:82:A:LEU:HD22	1:49:A:ILE:HA	7	1.77
(2,2080)	1:82:A:LEU:HD23	1:49:A:ILE:HA	7	1.77
(2,2080)	1:82:A:LEU:HD21	1:49:A:ILE:HA	20	1.77
(2,2080)	1:82:A:LEU:HD22	1:49:A:ILE:HA	20	1.77
(2,2080)	1:82:A:LEU:HD23	1:49:A:ILE:HA	20	1.77
(2,1659)	1:34:A:HIS:HB2	1:38:A:LYS:HE3	16	1.77
(2,1505)	1:23:A:GLN:HE22	1:20:A:LYS:HA	5	1.77
(2,1505)	1:23:A:GLN:HE22	1:20:A:LYS:HA	9	1.77
(2,1224)	1:38:A:LYS:HB2	1:38:A:LYS:HE2	2	1.77
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD11	13	1.77
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD12	13	1.77
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD13	13	1.77
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD11	12	1.76
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD12	12	1.76
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD13	12	1.76
(2,4953)	1:108:A:ILE:HG12	1:107:A:ASP:H	9	1.76
(2,4953)	1:108:A:ILE:HG12	1:107:A:ASP:H	18	1.76
(2,4708)	1:61:A:GLU:HB2	1:63:A:GLN:H	2	1.76
(2,4708)	1:61:A:GLU:HB2	1:63:A:GLN:H	12	1.76
(2,4657)	1:50:A:LEU:HD11	1:51:A:LEU:H	1	1.76
(2,4657)	1:50:A:LEU:HD12	1:51:A:LEU:H	1	1.76
(2,4657)	1:50:A:LEU:HD13	1:51:A:LEU:H	1	1.76
(2,4633)	1:3:A:ILE:HG12	1:48:A:ASP:H	20	1.76
(2,4484)	1:162:A:LYS:HG2	1:25:A:GLN:HE22	7	1.76
(2,4482)	1:161:A:VAL:HB	1:25:A:GLN:HE22	5	1.76
(2,4129)	1:111:A:PRO:HD3	1:109:A:ILE:H	8	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3934)	1:91:A:GLN:HG2	1:92:A:GLU:H	7	1.76
(2,3516)	1:175:A:ASN:HB2	1:172:A:GLU:HA	9	1.76
(2,3516)	1:175:A:ASN:HB2	1:172:A:GLU:HA	13	1.76
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD21	3	1.76
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD22	3	1.76
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD23	3	1.76
(2,3294)	1:151:A:GLU:HG3	1:150:A:PRO:HA	12	1.76
(2,2531)	1:50:A:LEU:HD21	1:81:A:LYS:HD2	16	1.76
(2,2531)	1:50:A:LEU:HD22	1:81:A:LYS:HD2	16	1.76
(2,2531)	1:50:A:LEU:HD23	1:81:A:LYS:HD2	16	1.76
(2,2275)	1:158:A:GLU:HG3	1:155:A:GLU:HA	12	1.76
(2,2080)	1:82:A:LEU:HD21	1:49:A:ILE:HA	4	1.76
(2,2080)	1:82:A:LEU:HD22	1:49:A:ILE:HA	4	1.76
(2,2080)	1:82:A:LEU:HD23	1:49:A:ILE:HA	4	1.76
(2,2080)	1:82:A:LEU:HD21	1:49:A:ILE:HA	14	1.76
(2,2080)	1:82:A:LEU:HD22	1:49:A:ILE:HA	14	1.76
(2,2080)	1:82:A:LEU:HD23	1:49:A:ILE:HA	14	1.76
(2,1721)	1:24:A:LYS:HE2	1:28:A:LYS:HB2	8	1.76
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD11	10	1.76
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD12	10	1.76
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD13	10	1.76
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD21	13	1.76
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD22	13	1.76
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD23	13	1.76
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD21	13	1.76
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD22	13	1.76
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD23	13	1.76
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD21	13	1.76
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD22	13	1.76
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD23	13	1.76
(2,1204)	1:128:A:GLU:HB2	1:95:A:ALA:HA	10	1.76
(2,1204)	1:128:A:GLU:HB2	1:95:A:ALA:HA	16	1.76
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD21	7	1.76
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD22	7	1.76
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD23	7	1.76
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD21	7	1.76
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD22	7	1.76
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD23	7	1.76
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD21	19	1.76
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD22	19	1.76
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD23	19	1.76
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD21	19	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD22	19	1.76
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD23	19	1.76
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD11	7	1.76
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD12	7	1.76
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD13	7	1.76
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD11	15	1.76
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD12	15	1.76
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD13	15	1.76
(2,748)	1:155:A:GLU:HA	1:158:A:GLU:HG3	12	1.76
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG11	16	1.76
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG12	16	1.76
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG13	16	1.76
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD11	6	1.76
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD12	6	1.76
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD13	6	1.76
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD11	13	1.76
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD12	13	1.76
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD13	13	1.76
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE1	11	1.76
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE2	11	1.76
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE1	16	1.76
(2,89)	1:61:A:GLU:HG3	1:59:A:TYR:HE2	16	1.76
(3,688)	1:92:A:GLU:HB3	1:91:A:GLN:HE21	19	1.75
(2,5366)	1:10:A:SER:HA	1:14:A:ASN:HD22	2	1.75
(2,5271)	1:117:A:VAL:HG11	1:164:A:ILE:H	16	1.75
(2,5271)	1:117:A:VAL:HG12	1:164:A:ILE:H	16	1.75
(2,5271)	1:117:A:VAL:HG13	1:164:A:ILE:H	16	1.75
(2,5177)	1:146:A:GLU:HB2	1:151:A:GLU:H	5	1.75
(2,4557)	1:38:A:LYS:HD2	1:37:A:ALA:H	6	1.75
(2,4508)	1:28:A:LYS:HD2	1:30:A:VAL:H	15	1.75
(2,4467)	1:23:A:GLN:HE22	1:24:A:LYS:H	18	1.75
(2,4129)	1:111:A:PRO:HD3	1:109:A:ILE:H	13	1.75
(2,4003)	1:76:A:ILE:HG12	1:75:A:GLU:H	6	1.75
(2,4003)	1:76:A:ILE:HG12	1:75:A:GLU:H	13	1.75
(2,3635)	1:73:A:LEU:HG	1:73:A:LEU:H	2	1.75
(2,3635)	1:73:A:LEU:HG	1:73:A:LEU:H	10	1.75
(2,3516)	1:175:A:ASN:HB2	1:172:A:GLU:HA	4	1.75
(2,3516)	1:175:A:ASN:HB2	1:172:A:GLU:HA	10	1.75
(2,3516)	1:175:A:ASN:HB2	1:172:A:GLU:HA	18	1.75
(2,3289)	1:90:A:ASP:HB3	1:149:A:GLN:HA	18	1.75
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD11	1	1.75
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD12	1	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD13	1	1.75
(2,2501)	1:162:A:LYS:HE2	1:158:A:GLU:HA	4	1.75
(2,1659)	1:34:A:HIS:HB2	1:38:A:LYS:HE3	11	1.75
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD11	4	1.75
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD12	4	1.75
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD13	4	1.75
(2,1202)	1:20:A:LYS:HD2	1:17:A:ASN:HA	14	1.75
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD1	20	1.75
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD2	20	1.75
(3,611)	1:148:A:ARG:HB2	1:146:A:GLU:H	11	1.74
(2,5343)	1:171:A:ASP:HA	1:175:A:ASN:HD22	12	1.74
(2,5189)	1:156:A:ARG:HG2	1:153:A:THR:H	17	1.74
(2,5148)	1:156:A:ARG:HG2	1:145:A:ASP:H	6	1.74
(2,4708)	1:61:A:GLU:HB2	1:63:A:GLN:H	6	1.74
(2,4557)	1:38:A:LYS:HD2	1:37:A:ALA:H	13	1.74
(2,4467)	1:23:A:GLN:HE22	1:24:A:LYS:H	19	1.74
(2,4467)	1:23:A:GLN:HE22	1:24:A:LYS:H	20	1.74
(2,4003)	1:76:A:ILE:HG12	1:75:A:GLU:H	3	1.74
(2,4003)	1:76:A:ILE:HG12	1:75:A:GLU:H	4	1.74
(2,3987)	1:49:A:ILE:HD11	1:170:A:LEU:H	12	1.74
(2,3987)	1:49:A:ILE:HD12	1:170:A:LEU:H	12	1.74
(2,3987)	1:49:A:ILE:HD13	1:170:A:LEU:H	12	1.74
(2,3785)	1:91:A:GLN:HG2	1:93:A:ASP:H	6	1.74
(2,3635)	1:73:A:LEU:HG	1:73:A:LEU:H	13	1.74
(2,3635)	1:73:A:LEU:HG	1:73:A:LEU:H	14	1.74
(2,3635)	1:73:A:LEU:HG	1:73:A:LEU:H	17	1.74
(2,3635)	1:73:A:LEU:HG	1:73:A:LEU:H	18	1.74
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	6	1.74
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	6	1.74
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	6	1.74
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	6	1.74
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	6	1.74
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	6	1.74
(2,3516)	1:175:A:ASN:HB2	1:172:A:GLU:HA	20	1.74
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD3	12	1.74
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD2	12	1.74
(2,2388)	1:112:A:ARG:HD2	1:111:A:PRO:HB2	18	1.74
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD11	1	1.74
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD12	1	1.74
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD13	1	1.74
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD11	4	1.74
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD12	4	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD13	4	1.74
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD11	4	1.74
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD12	4	1.74
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD13	4	1.74
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD11	4	1.74
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD12	4	1.74
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD13	4	1.74
(2,1713)	1:174:A:LEU:HD11	1:166:A:GLU:HA	10	1.74
(2,1713)	1:174:A:LEU:HD12	1:166:A:GLU:HA	10	1.74
(2,1713)	1:174:A:LEU:HD13	1:166:A:GLU:HA	10	1.74
(2,1509)	1:130:A:SER:H	1:128:A:GLU:HB3	12	1.74
(2,1505)	1:23:A:GLN:HE22	1:20:A:LYS:HA	11	1.74
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD11	17	1.74
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD12	17	1.74
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD13	17	1.74
(2,1204)	1:128:A:GLU:HB2	1:95:A:ALA:HA	6	1.74
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD11	3	1.74
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD12	3	1.74
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD13	3	1.74
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG11	19	1.74
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG12	19	1.74
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG13	19	1.74
(2,81)	1:105:A:ILE:HB	1:70:A:PHE:HZ	1	1.74
(3,688)	1:92:A:GLU:HB3	1:91:A:GLN:HE21	10	1.73
(3,105)	1:64:A:CYS:HB2	1:37:A:ALA:HA	6	1.73
(2,5343)	1:171:A:ASP:HA	1:175:A:ASN:HD22	14	1.73
(2,5167)	1:92:A:GLU:HB2	1:148:A:ARG:H	4	1.73
(2,4879)	1:91:A:GLN:HG2	1:95:A:ALA:H	8	1.73
(2,4820)	1:51:A:LEU:HD21	1:84:A:ALA:H	11	1.73
(2,4820)	1:51:A:LEU:HD22	1:84:A:ALA:H	11	1.73
(2,4820)	1:51:A:LEU:HD23	1:84:A:ALA:H	11	1.73
(2,4557)	1:38:A:LYS:HD2	1:37:A:ALA:H	17	1.73
(2,4508)	1:28:A:LYS:HD2	1:30:A:VAL:H	17	1.73
(2,4003)	1:76:A:ILE:HG12	1:75:A:GLU:H	17	1.73
(2,3635)	1:73:A:LEU:HG	1:73:A:LEU:H	1	1.73
(2,3635)	1:73:A:LEU:HG	1:73:A:LEU:H	5	1.73
(2,3635)	1:73:A:LEU:HG	1:73:A:LEU:H	8	1.73
(2,3635)	1:73:A:LEU:HG	1:73:A:LEU:H	12	1.73
(2,3516)	1:175:A:ASN:HB2	1:172:A:GLU:HA	3	1.73
(2,3516)	1:175:A:ASN:HB2	1:172:A:GLU:HA	5	1.73
(2,3514)	1:106:A:ARG:HG3	1:107:A:ASP:HB2	9	1.73
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD11	17	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD12	17	1.73
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD13	17	1.73
(2,2501)	1:162:A:LYS:HE2	1:158:A:GLU:HA	3	1.73
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB1	16	1.73
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB2	16	1.73
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB3	16	1.73
(2,1825)	1:148:A:ARG:HE	1:149:A:GLN:HG2	11	1.73
(2,1721)	1:24:A:LYS:HE2	1:28:A:LYS:HB2	10	1.73
(2,1713)	1:174:A:LEU:HD11	1:166:A:GLU:HA	18	1.73
(2,1713)	1:174:A:LEU:HD12	1:166:A:GLU:HA	18	1.73
(2,1713)	1:174:A:LEU:HD13	1:166:A:GLU:HA	18	1.73
(2,1228)	1:38:A:LYS:HB2	1:38:A:LYS:HE3	2	1.73
(2,1204)	1:128:A:GLU:HB2	1:95:A:ALA:HA	8	1.73
(2,1203)	1:30:A:VAL:HG11	1:174:A:LEU:HA	18	1.73
(2,1203)	1:30:A:VAL:HG12	1:174:A:LEU:HA	18	1.73
(2,1203)	1:30:A:VAL:HG13	1:174:A:LEU:HA	18	1.73
(2,1180)	1:68:A:ASP:HB2	1:65:A:ASP:HA	3	1.73
(2,1131)	1:105:A:ILE:HG12	1:102:A:LEU:HA	3	1.73
(2,798)	1:112:A:ARG:HD2	1:111:A:PRO:HG2	6	1.73
(2,5271)	1:117:A:VAL:HG11	1:164:A:ILE:H	13	1.72
(2,5271)	1:117:A:VAL:HG12	1:164:A:ILE:H	13	1.72
(2,5271)	1:117:A:VAL:HG13	1:164:A:ILE:H	13	1.72
(2,5025)	1:137:A:ASP:HB3	1:123:A:ALA:H	20	1.72
(2,4953)	1:108:A:ILE:HG12	1:107:A:ASP:H	13	1.72
(2,4953)	1:108:A:ILE:HG12	1:107:A:ASP:H	20	1.72
(2,4866)	1:91:A:GLN:HG3	1:93:A:ASP:H	12	1.72
(2,4708)	1:61:A:GLU:HB2	1:63:A:GLN:H	1	1.72
(2,4003)	1:76:A:ILE:HG12	1:75:A:GLU:H	7	1.72
(2,4003)	1:76:A:ILE:HG12	1:75:A:GLU:H	19	1.72
(2,3934)	1:91:A:GLN:HG2	1:92:A:GLU:H	4	1.72
(2,3911)	1:105:A:ILE:HG12	1:104:A:THR:H	19	1.72
(2,3635)	1:73:A:LEU:HG	1:73:A:LEU:H	3	1.72
(2,3635)	1:73:A:LEU:HG	1:73:A:LEU:H	4	1.72
(2,3635)	1:73:A:LEU:HG	1:73:A:LEU:H	6	1.72
(2,3635)	1:73:A:LEU:HG	1:73:A:LEU:H	7	1.72
(2,3635)	1:73:A:LEU:HG	1:73:A:LEU:H	9	1.72
(2,3635)	1:73:A:LEU:HG	1:73:A:LEU:H	11	1.72
(2,3635)	1:73:A:LEU:HG	1:73:A:LEU:H	19	1.72
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD11	14	1.72
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD12	14	1.72
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD13	14	1.72
(2,3517)	1:170:A:LEU:HD11	1:173:A:ILE:HB	9	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3517)	1:170:A:LEU:HD12	1:173:A:ILE:HB	9	1.72
(2,3517)	1:170:A:LEU:HD13	1:173:A:ILE:HB	9	1.72
(2,3516)	1:175:A:ASN:HB2	1:172:A:GLU:HA	6	1.72
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD11	6	1.72
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD12	6	1.72
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD13	6	1.72
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB2	1	1.72
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB3	1	1.72
(2,2844)	1:116:A:ILE:HG12	1:106:A:ARG:HD2	4	1.72
(2,2651)	1:149:A:GLN:HB2	1:90:A:ASP:HA	10	1.72
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG21	18	1.72
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG22	18	1.72
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG23	18	1.72
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG21	18	1.72
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG22	18	1.72
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG23	18	1.72
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG21	18	1.72
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG22	18	1.72
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG23	18	1.72
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD11	13	1.72
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD12	13	1.72
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD13	13	1.72
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD11	13	1.72
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD12	13	1.72
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD13	13	1.72
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD11	13	1.72
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD12	13	1.72
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD13	13	1.72
(2,1678)	1:174:A:LEU:HB3	1:26:A:LEU:HA	2	1.72
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG11	6	1.72
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG12	6	1.72
(2,1604)	1:164:A:ILE:HG21	1:117:A:VAL:HG13	6	1.72
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG11	6	1.72
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG12	6	1.72
(2,1604)	1:164:A:ILE:HG22	1:117:A:VAL:HG13	6	1.72
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG11	6	1.72
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG12	6	1.72
(2,1604)	1:164:A:ILE:HG23	1:117:A:VAL:HG13	6	1.72
(2,1279)	1:168:A:LEU:HD11	1:170:A:LEU:HG	6	1.72
(2,1279)	1:168:A:LEU:HD12	1:170:A:LEU:HG	6	1.72
(2,1279)	1:168:A:LEU:HD13	1:170:A:LEU:HG	6	1.72
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD21	17	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD22	17	1.72
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD23	17	1.72
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD21	17	1.72
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD22	17	1.72
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD23	17	1.72
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD21	17	1.72
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD22	17	1.72
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD23	17	1.72
(2,1204)	1:128:A:GLU:HB2	1:95:A:ALA:HA	11	1.72
(2,1131)	1:105:A:ILE:HG12	1:102:A:LEU:HA	10	1.72
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD21	11	1.72
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD22	11	1.72
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD23	11	1.72
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD21	11	1.72
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD22	11	1.72
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD23	11	1.72
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD11	2	1.72
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD12	2	1.72
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD13	2	1.72
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD11	1	1.72
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD12	1	1.72
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD13	1	1.72
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD11	17	1.72
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD12	17	1.72
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD13	17	1.72
(2,81)	1:105:A:ILE:HB	1:70:A:PHE:HZ	7	1.72
(3,105)	1:64:A:CYS:HB2	1:37:A:ALA:HA	7	1.71
(2,5371)	1:28:A:LYS:HD2	1:23:A:GLN:HE21	4	1.71
(2,4820)	1:51:A:LEU:HD21	1:84:A:ALA:H	3	1.71
(2,4820)	1:51:A:LEU:HD22	1:84:A:ALA:H	3	1.71
(2,4820)	1:51:A:LEU:HD23	1:84:A:ALA:H	3	1.71
(2,4820)	1:51:A:LEU:HD21	1:84:A:ALA:H	20	1.71
(2,4820)	1:51:A:LEU:HD22	1:84:A:ALA:H	20	1.71
(2,4820)	1:51:A:LEU:HD23	1:84:A:ALA:H	20	1.71
(2,4593)	1:169:A:HIS:HB3	1:173:A:ILE:H	6	1.71
(2,4255)	1:79:A:ASN:HD22	1:79:A:ASN:H	18	1.71
(2,4003)	1:76:A:ILE:HG12	1:75:A:GLU:H	9	1.71
(2,3635)	1:73:A:LEU:HG	1:73:A:LEU:H	16	1.71
(2,3516)	1:175:A:ASN:HB2	1:172:A:GLU:HA	2	1.71
(2,3324)	1:157:A:VAL:HG11	1:153:A:THR:HA	10	1.71
(2,3324)	1:157:A:VAL:HG12	1:153:A:THR:HA	10	1.71
(2,3324)	1:157:A:VAL:HG13	1:153:A:THR:HA	10	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3324)	1:157:A:VAL:HG11	1:153:A:THR:HA	18	1.71
(2,3324)	1:157:A:VAL:HG12	1:153:A:THR:HA	18	1.71
(2,3324)	1:157:A:VAL:HG13	1:153:A:THR:HA	18	1.71
(2,3263)	1:146:A:GLU:H	1:144:A:ILE:HG12	18	1.71
(2,3005)	1:106:A:ARG:HG3	1:116:A:ILE:HD11	6	1.71
(2,3005)	1:106:A:ARG:HG3	1:116:A:ILE:HD12	6	1.71
(2,3005)	1:106:A:ARG:HG3	1:116:A:ILE:HD13	6	1.71
(2,2501)	1:162:A:LYS:HE2	1:158:A:GLU:HA	6	1.71
(2,2501)	1:162:A:LYS:HE2	1:158:A:GLU:HA	11	1.71
(2,2388)	1:112:A:ARG:HD2	1:111:A:PRO:HB2	7	1.71
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD11	9	1.71
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD12	9	1.71
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD13	9	1.71
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD11	9	1.71
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD12	9	1.71
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD13	9	1.71
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD11	9	1.71
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD12	9	1.71
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD13	9	1.71
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD11	13	1.71
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD12	13	1.71
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD13	13	1.71
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD11	17	1.71
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD12	17	1.71
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD13	17	1.71
(2,1967)	1:45:A:GLU:HG2	1:42:A:GLU:HA	16	1.71
(2,1925)	1:38:A:LYS:HE2	1:39:A:SER:HB3	8	1.71
(2,1505)	1:23:A:GLN:HE22	1:20:A:LYS:HA	3	1.71
(2,1203)	1:30:A:VAL:HG11	1:174:A:LEU:HA	4	1.71
(2,1203)	1:30:A:VAL:HG12	1:174:A:LEU:HA	4	1.71
(2,1203)	1:30:A:VAL:HG13	1:174:A:LEU:HA	4	1.71
(2,1202)	1:20:A:LYS:HD2	1:17:A:ASN:HA	9	1.71
(2,1202)	1:20:A:LYS:HD2	1:17:A:ASN:HA	12	1.71
(2,1131)	1:105:A:ILE:HG12	1:102:A:LEU:HA	1	1.71
(2,1131)	1:105:A:ILE:HG12	1:102:A:LEU:HA	8	1.71
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD21	12	1.71
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD22	12	1.71
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD23	12	1.71
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD21	12	1.71
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD22	12	1.71
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD23	12	1.71
(2,746)	1:169:A:HIS:HB2	1:172:A:GLU:HG2	13	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD1	10	1.71
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD2	10	1.71
(2,5366)	1:10:A:SER:HA	1:14:A:ASN:HD22	8	1.7
(2,5271)	1:117:A:VAL:HG11	1:164:A:ILE:H	17	1.7
(2,5271)	1:117:A:VAL:HG12	1:164:A:ILE:H	17	1.7
(2,5271)	1:117:A:VAL:HG13	1:164:A:ILE:H	17	1.7
(2,4953)	1:108:A:ILE:HG12	1:107:A:ASP:H	4	1.7
(2,4820)	1:51:A:LEU:HD21	1:84:A:ALA:H	2	1.7
(2,4820)	1:51:A:LEU:HD22	1:84:A:ALA:H	2	1.7
(2,4820)	1:51:A:LEU:HD23	1:84:A:ALA:H	2	1.7
(2,4820)	1:51:A:LEU:HD21	1:84:A:ALA:H	17	1.7
(2,4820)	1:51:A:LEU:HD22	1:84:A:ALA:H	17	1.7
(2,4820)	1:51:A:LEU:HD23	1:84:A:ALA:H	17	1.7
(2,4482)	1:161:A:VAL:HB	1:25:A:GLN:HE22	13	1.7
(2,4480)	1:26:A:LEU:HD11	1:25:A:GLN:H	12	1.7
(2,4480)	1:26:A:LEU:HD12	1:25:A:GLN:H	12	1.7
(2,4480)	1:26:A:LEU:HD13	1:25:A:GLN:H	12	1.7
(2,4467)	1:23:A:GLN:HE22	1:24:A:LYS:H	3	1.7
(2,4467)	1:23:A:GLN:HE22	1:24:A:LYS:H	17	1.7
(2,4003)	1:76:A:ILE:HG12	1:75:A:GLU:H	11	1.7
(2,3635)	1:73:A:LEU:HG	1:73:A:LEU:H	20	1.7
(2,3263)	1:146:A:GLU:H	1:144:A:ILE:HG12	7	1.7
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD11	8	1.7
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD12	8	1.7
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD13	8	1.7
(2,2501)	1:162:A:LYS:HE2	1:158:A:GLU:HA	5	1.7
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD11	16	1.7
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD12	16	1.7
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD13	16	1.7
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD11	16	1.7
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD12	16	1.7
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD13	16	1.7
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD11	16	1.7
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD12	16	1.7
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD13	16	1.7
(2,2080)	1:82:A:LEU:HD21	1:49:A:ILE:HA	6	1.7
(2,2080)	1:82:A:LEU:HD22	1:49:A:ILE:HA	6	1.7
(2,2080)	1:82:A:LEU:HD23	1:49:A:ILE:HA	6	1.7
(2,1429)	1:55:A:PRO:HB2	1:15:A:THR:HB	1	1.7
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD11	12	1.7
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD12	12	1.7
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD13	12	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD11	12	1.7
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD12	12	1.7
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD13	12	1.7
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD11	12	1.7
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD12	12	1.7
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD13	12	1.7
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD11	16	1.7
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD12	16	1.7
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD13	16	1.7
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD11	20	1.7
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD12	20	1.7
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD13	20	1.7
(2,422)	1:165:A:SER:H	1:166:A:GLU:HG2	15	1.7
(2,5271)	1:117:A:VAL:HG11	1:164:A:ILE:H	15	1.69
(2,5271)	1:117:A:VAL:HG12	1:164:A:ILE:H	15	1.69
(2,5271)	1:117:A:VAL:HG13	1:164:A:ILE:H	15	1.69
(2,4953)	1:108:A:ILE:HG12	1:107:A:ASP:H	19	1.69
(2,4508)	1:28:A:LYS:HD2	1:30:A:VAL:H	16	1.69
(2,4003)	1:76:A:ILE:HG12	1:75:A:GLU:H	1	1.69
(2,3517)	1:170:A:LEU:HD11	1:173:A:ILE:HB	6	1.69
(2,3517)	1:170:A:LEU:HD12	1:173:A:ILE:HB	6	1.69
(2,3517)	1:170:A:LEU:HD13	1:173:A:ILE:HB	6	1.69
(2,3516)	1:175:A:ASN:HB2	1:172:A:GLU:HA	11	1.69
(2,3513)	1:172:A:GLU:HG2	1:171:A:ASP:HB2	12	1.69
(2,3289)	1:90:A:ASP:HB3	1:149:A:GLN:HA	11	1.69
(2,3174)	1:156:A:ARG:HB2	1:144:A:ILE:HG12	7	1.69
(2,2529)	1:25:A:GLN:HE21	1:162:A:LYS:HG2	7	1.69
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD11	19	1.69
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD12	19	1.69
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD13	19	1.69
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD11	19	1.69
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD12	19	1.69
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD13	19	1.69
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD11	19	1.69
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD12	19	1.69
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD13	19	1.69
(2,2180)	1:161:A:VAL:HG11	1:162:A:LYS:HD2	5	1.69
(2,2180)	1:161:A:VAL:HG12	1:162:A:LYS:HD2	5	1.69
(2,2180)	1:161:A:VAL:HG13	1:162:A:LYS:HD2	5	1.69
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD11	13	1.69
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD12	13	1.69
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD13	13	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1967)	1:45:A:GLU:HG2	1:42:A:GLU:HA	13	1.69
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG11	13	1.69
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG12	13	1.69
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG13	13	1.69
(2,1509)	1:130:A:SER:H	1:128:A:GLU:HB3	9	1.69
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD21	7	1.69
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD22	7	1.69
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD23	7	1.69
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD21	7	1.69
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD22	7	1.69
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD23	7	1.69
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD21	7	1.69
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD22	7	1.69
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD23	7	1.69
(2,1203)	1:30:A:VAL:HG11	1:174:A:LEU:HA	1	1.69
(2,1203)	1:30:A:VAL:HG12	1:174:A:LEU:HA	1	1.69
(2,1203)	1:30:A:VAL:HG13	1:174:A:LEU:HA	1	1.69
(2,1202)	1:20:A:LYS:HD2	1:17:A:ASN:HA	18	1.69
(3,273)	1:144:A:ILE:HG12	1:149:A:GLN:HA	20	1.68
(2,5343)	1:171:A:ASP:HA	1:175:A:ASN:HD22	15	1.68
(2,4557)	1:38:A:LYS:HD2	1:37:A:ALA:H	16	1.68
(2,4467)	1:23:A:GLN:HE22	1:24:A:LYS:H	1	1.68
(2,3517)	1:170:A:LEU:HD11	1:173:A:ILE:HB	16	1.68
(2,3517)	1:170:A:LEU:HD12	1:173:A:ILE:HB	16	1.68
(2,3517)	1:170:A:LEU:HD13	1:173:A:ILE:HB	16	1.68
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD21	6	1.68
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD22	6	1.68
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD23	6	1.68
(2,3431)	1:162:A:LYS:HA	1:163:A:GLN:HG3	16	1.68
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD11	5	1.68
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD12	5	1.68
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD13	5	1.68
(2,3299)	1:88:A:CYS:HB2	1:18:A:ILE:HG12	14	1.68
(2,3259)	1:41:A:LYS:HG3	1:42:A:GLU:HG3	9	1.68
(2,2388)	1:112:A:ARG:HD2	1:111:A:PRO:HB2	5	1.68
(2,2175)	1:168:A:LEU:HD11	1:82:A:LEU:HB3	11	1.68
(2,2175)	1:168:A:LEU:HD12	1:82:A:LEU:HB3	11	1.68
(2,2175)	1:168:A:LEU:HD13	1:82:A:LEU:HB3	11	1.68
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD11	16	1.68
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD12	16	1.68
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD13	16	1.68
(2,1981)	1:41:A:LYS:HG2	1:45:A:GLU:HG2	1	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1967)	1:45:A:GLU:HG2	1:42:A:GLU:HA	5	1.68
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB3	3	1.68
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB2	3	1.68
(2,1717)	1:158:A:GLU:HG2	1:155:A:GLU:HA	16	1.68
(2,1717)	1:158:A:GLU:HG2	1:155:A:GLU:HA	17	1.68
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD11	19	1.68
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD12	19	1.68
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD13	19	1.68
(2,1279)	1:168:A:LEU:HD11	1:170:A:LEU:HG	5	1.68
(2,1279)	1:168:A:LEU:HD12	1:170:A:LEU:HG	5	1.68
(2,1279)	1:168:A:LEU:HD13	1:170:A:LEU:HG	5	1.68
(2,1204)	1:128:A:GLU:HB2	1:95:A:ALA:HA	9	1.68
(2,816)	1:165:A:SER:HA	1:26:A:LEU:HG	12	1.68
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG11	8	1.68
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG12	8	1.68
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG13	8	1.68
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD11	9	1.68
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD12	9	1.68
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD13	9	1.68
(3,105)	1:64:A:CYS:HB2	1:37:A:ALA:HA	17	1.67
(2,4484)	1:162:A:LYS:HG2	1:25:A:GLN:HE22	10	1.67
(2,3987)	1:49:A:ILE:HD11	1:170:A:LEU:H	17	1.67
(2,3987)	1:49:A:ILE:HD12	1:170:A:LEU:H	17	1.67
(2,3987)	1:49:A:ILE:HD13	1:170:A:LEU:H	17	1.67
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD11	8	1.67
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD12	8	1.67
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD13	8	1.67
(2,3433)	1:162:A:LYS:H	1:163:A:GLN:HG3	18	1.67
(2,2708)	1:128:A:GLU:HB2	1:96:A:GLU:HG3	1	1.67
(2,2708)	1:128:A:GLU:HB2	1:96:A:GLU:HG2	1	1.67
(2,2678)	1:96:A:GLU:HG2	1:94:A:TYR:HA	9	1.67
(2,2501)	1:162:A:LYS:HE2	1:158:A:GLU:HA	17	1.67
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD11	4	1.67
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD12	4	1.67
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD13	4	1.67
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD11	9	1.67
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD12	9	1.67
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD13	9	1.67
(2,1509)	1:130:A:SER:H	1:128:A:GLU:HB3	4	1.67
(2,1505)	1:23:A:GLN:HE22	1:20:A:LYS:HA	18	1.67
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD11	5	1.67
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD12	5	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD13	5	1.67
(2,1204)	1:128:A:GLU:HB2	1:95:A:ALA:HA	2	1.67
(2,1204)	1:128:A:GLU:HB2	1:95:A:ALA:HA	7	1.67
(2,1204)	1:128:A:GLU:HB2	1:95:A:ALA:HA	18	1.67
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD11	8	1.67
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD12	8	1.67
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD13	8	1.67
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD11	8	1.67
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD12	8	1.67
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD13	8	1.67
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD11	8	1.67
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD12	8	1.67
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD13	8	1.67
(2,573)	1:106:A:ARG:HE	1:140:A:VAL:HG21	12	1.67
(2,573)	1:106:A:ARG:HE	1:140:A:VAL:HG22	12	1.67
(2,573)	1:106:A:ARG:HE	1:140:A:VAL:HG23	12	1.67
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD11	2	1.67
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD12	2	1.67
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD13	2	1.67
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD11	16	1.67
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD12	16	1.67
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD13	16	1.67
(2,511)	1:70:A:PHE:HE1	1:73:A:LEU:HD21	15	1.67
(2,511)	1:70:A:PHE:HE1	1:73:A:LEU:HD22	15	1.67
(2,511)	1:70:A:PHE:HE1	1:73:A:LEU:HD23	15	1.67
(2,511)	1:70:A:PHE:HE2	1:73:A:LEU:HD21	15	1.67
(2,511)	1:70:A:PHE:HE2	1:73:A:LEU:HD22	15	1.67
(2,511)	1:70:A:PHE:HE2	1:73:A:LEU:HD23	15	1.67
(3,105)	1:64:A:CYS:HB2	1:37:A:ALA:HA	8	1.66
(2,4953)	1:108:A:ILE:HG12	1:107:A:ASP:H	16	1.66
(2,4657)	1:50:A:LEU:HD11	1:51:A:LEU:H	7	1.66
(2,4657)	1:50:A:LEU:HD12	1:51:A:LEU:H	7	1.66
(2,4657)	1:50:A:LEU:HD13	1:51:A:LEU:H	7	1.66
(2,4657)	1:50:A:LEU:HD11	1:51:A:LEU:H	16	1.66
(2,4657)	1:50:A:LEU:HD12	1:51:A:LEU:H	16	1.66
(2,4657)	1:50:A:LEU:HD13	1:51:A:LEU:H	16	1.66
(2,4482)	1:161:A:VAL:HB	1:25:A:GLN:HE22	12	1.66
(2,4467)	1:23:A:GLN:HE22	1:24:A:LYS:H	4	1.66
(2,4467)	1:23:A:GLN:HE22	1:24:A:LYS:H	13	1.66
(2,4003)	1:76:A:ILE:HG12	1:75:A:GLU:H	8	1.66
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	2	1.66
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	2	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	2	1.66
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	2	1.66
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	2	1.66
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	2	1.66
(2,3517)	1:170:A:LEU:HD11	1:173:A:ILE:HB	18	1.66
(2,3517)	1:170:A:LEU:HD12	1:173:A:ILE:HB	18	1.66
(2,3517)	1:170:A:LEU:HD13	1:173:A:ILE:HB	18	1.66
(2,3514)	1:106:A:ARG:HG3	1:107:A:ASP:HB2	15	1.66
(2,3263)	1:146:A:GLU:H	1:144:A:ILE:HG12	15	1.66
(2,3109)	1:125:A:TYR:HE1	1:128:A:GLU:HG2	6	1.66
(2,3109)	1:125:A:TYR:HE2	1:128:A:GLU:HG2	6	1.66
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG21	12	1.66
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG22	12	1.66
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG23	12	1.66
(2,2678)	1:96:A:GLU:HG2	1:94:A:TYR:HA	12	1.66
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG2	17	1.66
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG3	17	1.66
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD11	10	1.66
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD12	10	1.66
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD13	10	1.66
(2,1661)	1:23:A:GLN:HE21	1:28:A:LYS:HE2	5	1.66
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD21	4	1.66
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD22	4	1.66
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD23	4	1.66
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD21	4	1.66
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD22	4	1.66
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD23	4	1.66
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD21	4	1.66
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD22	4	1.66
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD23	4	1.66
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD21	10	1.66
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD22	10	1.66
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD23	10	1.66
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD21	10	1.66
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD22	10	1.66
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD23	10	1.66
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD21	10	1.66
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD22	10	1.66
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD23	10	1.66
(2,1131)	1:105:A:ILE:HG12	1:102:A:LEU:HA	18	1.66
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD11	18	1.66
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD12	18	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD13	18	1.66
(3,105)	1:64:A:CYS:HB2	1:37:A:ALA:HA	15	1.65
(2,5345)	1:174:A:LEU:HG	1:175:A:ASN:HD22	7	1.65
(2,5175)	1:156:A:ARG:HD3	1:151:A:GLU:H	15	1.65
(2,5148)	1:156:A:ARG:HG2	1:145:A:ASP:H	18	1.65
(2,4953)	1:108:A:ILE:HG12	1:107:A:ASP:H	3	1.65
(2,4953)	1:108:A:ILE:HG12	1:107:A:ASP:H	5	1.65
(2,4953)	1:108:A:ILE:HG12	1:107:A:ASP:H	14	1.65
(2,4557)	1:38:A:LYS:HD2	1:37:A:ALA:H	9	1.65
(2,3517)	1:170:A:LEU:HD11	1:173:A:ILE:HB	5	1.65
(2,3517)	1:170:A:LEU:HD12	1:173:A:ILE:HB	5	1.65
(2,3517)	1:170:A:LEU:HD13	1:173:A:ILE:HB	5	1.65
(2,3517)	1:170:A:LEU:HD11	1:173:A:ILE:HB	7	1.65
(2,3517)	1:170:A:LEU:HD12	1:173:A:ILE:HB	7	1.65
(2,3517)	1:170:A:LEU:HD13	1:173:A:ILE:HB	7	1.65
(2,3514)	1:106:A:ARG:HG3	1:107:A:ASP:HB2	11	1.65
(2,3514)	1:106:A:ARG:HG3	1:107:A:ASP:HB2	18	1.65
(2,3431)	1:162:A:LYS:HA	1:163:A:GLN:HG3	14	1.65
(2,3344)	1:158:A:GLU:H	1:159:A:LYS:HD2	17	1.65
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD11	10	1.65
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD12	10	1.65
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD13	10	1.65
(2,2678)	1:96:A:GLU:HG2	1:94:A:TYR:HA	14	1.65
(2,2651)	1:149:A:GLN:HB2	1:90:A:ASP:HA	19	1.65
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD11	11	1.65
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD12	11	1.65
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD13	11	1.65
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD11	11	1.65
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD12	11	1.65
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD13	11	1.65
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD11	11	1.65
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD12	11	1.65
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD13	11	1.65
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB1	13	1.65
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB2	13	1.65
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB3	13	1.65
(2,1721)	1:24:A:LYS:HE2	1:28:A:LYS:HB2	14	1.65
(2,1509)	1:130:A:SER:H	1:128:A:GLU:HB3	6	1.65
(2,1509)	1:130:A:SER:H	1:128:A:GLU:HB3	13	1.65
(2,1204)	1:128:A:GLU:HB2	1:95:A:ALA:HA	17	1.65
(3,59)	1:157:A:VAL:H	1:144:A:ILE:HD11	4	1.64
(3,59)	1:157:A:VAL:H	1:144:A:ILE:HD12	4	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,59)	1:157:A:VAL:H	1:144:A:ILE:HD13	4	1.64
(2,5271)	1:117:A:VAL:HG11	1:164:A:ILE:H	5	1.64
(2,5271)	1:117:A:VAL:HG12	1:164:A:ILE:H	5	1.64
(2,5271)	1:117:A:VAL:HG13	1:164:A:ILE:H	5	1.64
(2,4879)	1:91:A:GLN:HG2	1:95:A:ALA:H	5	1.64
(2,4866)	1:91:A:GLN:HG3	1:93:A:ASP:H	2	1.64
(2,4820)	1:51:A:LEU:HD21	1:84:A:ALA:H	6	1.64
(2,4820)	1:51:A:LEU:HD22	1:84:A:ALA:H	6	1.64
(2,4820)	1:51:A:LEU:HD23	1:84:A:ALA:H	6	1.64
(2,4657)	1:50:A:LEU:HD11	1:51:A:LEU:H	14	1.64
(2,4657)	1:50:A:LEU:HD12	1:51:A:LEU:H	14	1.64
(2,4657)	1:50:A:LEU:HD13	1:51:A:LEU:H	14	1.64
(2,4593)	1:169:A:HIS:HB3	1:173:A:ILE:H	2	1.64
(2,4467)	1:23:A:GLN:HE22	1:24:A:LYS:H	6	1.64
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD11	12	1.64
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD12	12	1.64
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD13	12	1.64
(2,3431)	1:162:A:LYS:HA	1:163:A:GLN:HG3	8	1.64
(2,3428)	1:155:A:GLU:HB2	1:159:A:LYS:HE2	9	1.64
(2,2678)	1:96:A:GLU:HG2	1:94:A:TYR:HA	10	1.64
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD21	15	1.64
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD22	15	1.64
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD23	15	1.64
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD11	5	1.64
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD12	5	1.64
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD13	5	1.64
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD11	5	1.64
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD12	5	1.64
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD13	5	1.64
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD11	5	1.64
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD12	5	1.64
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD13	5	1.64
(2,2180)	1:161:A:VAL:HG11	1:162:A:LYS:HD2	3	1.64
(2,2180)	1:161:A:VAL:HG12	1:162:A:LYS:HD2	3	1.64
(2,2180)	1:161:A:VAL:HG13	1:162:A:LYS:HD2	3	1.64
(2,2180)	1:161:A:VAL:HG11	1:162:A:LYS:HD2	11	1.64
(2,2180)	1:161:A:VAL:HG12	1:162:A:LYS:HD2	11	1.64
(2,2180)	1:161:A:VAL:HG13	1:162:A:LYS:HD2	11	1.64
(2,1659)	1:34:A:HIS:HB2	1:38:A:LYS:HE3	6	1.64
(2,1509)	1:130:A:SER:H	1:128:A:GLU:HB3	5	1.64
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD11	18	1.64
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD12	18	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD13	18	1.64
(2,1202)	1:20:A:LYS:HD2	1:17:A:ASN:HA	17	1.64
(2,3987)	1:49:A:ILE:HD11	1:170:A:LEU:H	16	1.63
(2,3987)	1:49:A:ILE:HD12	1:170:A:LEU:H	16	1.63
(2,3987)	1:49:A:ILE:HD13	1:170:A:LEU:H	16	1.63
(2,3431)	1:162:A:LYS:HA	1:163:A:GLN:HG3	18	1.63
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB2	11	1.63
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB3	11	1.63
(2,2940)	1:112:A:ARG:HD2	1:111:A:PRO:HB3	6	1.63
(2,2678)	1:96:A:GLU:HG2	1:94:A:TYR:HA	13	1.63
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD11	11	1.63
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD12	11	1.63
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD13	11	1.63
(2,1967)	1:45:A:GLU:HG2	1:42:A:GLU:HA	4	1.63
(2,1509)	1:130:A:SER:H	1:128:A:GLU:HB3	20	1.63
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD11	8	1.63
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD12	8	1.63
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD13	8	1.63
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD11	15	1.63
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD12	15	1.63
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD13	15	1.63
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD1	13	1.63
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD2	13	1.63
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD1	13	1.63
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD2	13	1.63
(3,105)	1:64:A:CYS:HB2	1:37:A:ALA:HA	10	1.62
(2,5211)	1:152:A:LEU:HD21	1:156:A:ARG:H	16	1.62
(2,5211)	1:152:A:LEU:HD22	1:156:A:ARG:H	16	1.62
(2,5211)	1:152:A:LEU:HD23	1:156:A:ARG:H	16	1.62
(2,5148)	1:156:A:ARG:HG2	1:145:A:ASP:H	13	1.62
(2,4557)	1:38:A:LYS:HD2	1:37:A:ALA:H	10	1.62
(2,4480)	1:26:A:LEU:HD11	1:25:A:GLN:H	8	1.62
(2,4480)	1:26:A:LEU:HD12	1:25:A:GLN:H	8	1.62
(2,4480)	1:26:A:LEU:HD13	1:25:A:GLN:H	8	1.62
(2,4467)	1:23:A:GLN:HE22	1:24:A:LYS:H	9	1.62
(2,3987)	1:49:A:ILE:HD11	1:170:A:LEU:H	9	1.62
(2,3987)	1:49:A:ILE:HD12	1:170:A:LEU:H	9	1.62
(2,3987)	1:49:A:ILE:HD13	1:170:A:LEU:H	9	1.62
(2,3431)	1:162:A:LYS:HA	1:163:A:GLN:HG3	1	1.62
(2,3431)	1:162:A:LYS:HA	1:163:A:GLN:HG3	17	1.62
(2,3428)	1:155:A:GLU:HB2	1:159:A:LYS:HE2	19	1.62
(2,2568)	1:168:A:LEU:H	1:82:A:LEU:HD21	15	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2568)	1:168:A:LEU:H	1:82:A:LEU:HD22	15	1.62
(2,2568)	1:168:A:LEU:H	1:82:A:LEU:HD23	15	1.62
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD11	19	1.62
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD12	19	1.62
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD13	19	1.62
(2,1967)	1:45:A:GLU:HG2	1:42:A:GLU:HA	15	1.62
(2,1505)	1:23:A:GLN:HE22	1:20:A:LYS:HA	6	1.62
(2,1204)	1:128:A:GLU:HB2	1:95:A:ALA:HA	20	1.62
(2,1202)	1:20:A:LYS:HD2	1:17:A:ASN:HA	20	1.62
(2,798)	1:112:A:ARG:HD2	1:111:A:PRO:HG2	9	1.62
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG11	2	1.62
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG12	2	1.62
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG13	2	1.62
(2,5189)	1:156:A:ARG:HG2	1:153:A:THR:H	18	1.61
(2,5145)	1:156:A:ARG:HD2	1:145:A:ASP:H	8	1.61
(2,5044)	1:128:A:GLU:HG3	1:127:A:PHE:H	15	1.61
(2,4953)	1:108:A:ILE:HG12	1:107:A:ASP:H	2	1.61
(2,4657)	1:50:A:LEU:HD11	1:51:A:LEU:H	11	1.61
(2,4657)	1:50:A:LEU:HD12	1:51:A:LEU:H	11	1.61
(2,4657)	1:50:A:LEU:HD13	1:51:A:LEU:H	11	1.61
(2,4509)	1:28:A:LYS:HG3	1:30:A:VAL:H	6	1.61
(2,4003)	1:76:A:ILE:HG12	1:75:A:GLU:H	20	1.61
(2,3517)	1:170:A:LEU:HD11	1:173:A:ILE:HB	10	1.61
(2,3517)	1:170:A:LEU:HD12	1:173:A:ILE:HB	10	1.61
(2,3517)	1:170:A:LEU:HD13	1:173:A:ILE:HB	10	1.61
(2,3493)	1:172:A:GLU:HG2	1:169:A:HIS:HB2	12	1.61
(2,3431)	1:162:A:LYS:HA	1:163:A:GLN:HG3	12	1.61
(2,3428)	1:155:A:GLU:HB2	1:159:A:LYS:HE2	12	1.61
(2,3257)	1:115:A:THR:HA	1:110:A:GLU:HG3	10	1.61
(2,3238)	1:86:A:PHE:HB3	1:142:A:LEU:HG	19	1.61
(2,3109)	1:125:A:TYR:HE1	1:128:A:GLU:HG2	4	1.61
(2,3109)	1:125:A:TYR:HE2	1:128:A:GLU:HG2	4	1.61
(2,3109)	1:125:A:TYR:HE1	1:128:A:GLU:HG2	15	1.61
(2,3109)	1:125:A:TYR:HE2	1:128:A:GLU:HG2	15	1.61
(2,2678)	1:96:A:GLU:HG2	1:94:A:TYR:HA	3	1.61
(2,2501)	1:162:A:LYS:HE2	1:158:A:GLU:HA	13	1.61
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG21	9	1.61
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG22	9	1.61
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG23	9	1.61
(2,2018)	1:7:A:PHE:HD1	1:44:A:LEU:HG	15	1.61
(2,2018)	1:7:A:PHE:HD2	1:44:A:LEU:HG	15	1.61
(2,1967)	1:45:A:GLU:HG2	1:42:A:GLU:HA	11	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1717)	1:158:A:GLU:HG2	1:155:A:GLU:HA	1	1.61
(2,1509)	1:130:A:SER:H	1:128:A:GLU:HB3	14	1.61
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD21	3	1.61
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD22	3	1.61
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD23	3	1.61
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD21	3	1.61
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD22	3	1.61
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD23	3	1.61
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD21	3	1.61
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD22	3	1.61
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD23	3	1.61
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD21	16	1.61
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD22	16	1.61
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD23	16	1.61
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD21	16	1.61
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD22	16	1.61
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD23	16	1.61
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD21	16	1.61
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD22	16	1.61
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD23	16	1.61
(2,1203)	1:30:A:VAL:HG11	1:174:A:LEU:HA	20	1.61
(2,1203)	1:30:A:VAL:HG12	1:174:A:LEU:HA	20	1.61
(2,1203)	1:30:A:VAL:HG13	1:174:A:LEU:HA	20	1.61
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD11	2	1.61
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD12	2	1.61
(2,864)	1:139:A:PHE:HA	1:133:A:LEU:HD13	2	1.61
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD11	20	1.61
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD12	20	1.61
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD13	20	1.61
(2,422)	1:165:A:SER:H	1:166:A:GLU:HG2	6	1.61
(2,171)	1:52:A:LEU:HB2	1:66:A:TRP:HZ2	7	1.61
(3,685)	1:20:A:LYS:HG2	1:23:A:GLN:HE21	8	1.6
(3,533)	1:103:A:GLY:HA3	1:106:A:ARG:HE	1	1.6
(3,105)	1:64:A:CYS:HB2	1:37:A:ALA:HA	18	1.6
(2,5189)	1:156:A:ARG:HG2	1:153:A:THR:H	6	1.6
(2,5189)	1:156:A:ARG:HG2	1:153:A:THR:H	7	1.6
(2,5148)	1:156:A:ARG:HG2	1:145:A:ASP:H	15	1.6
(2,4953)	1:108:A:ILE:HG12	1:107:A:ASP:H	7	1.6
(2,4480)	1:26:A:LEU:HD11	1:25:A:GLN:H	15	1.6
(2,4480)	1:26:A:LEU:HD12	1:25:A:GLN:H	15	1.6
(2,4480)	1:26:A:LEU:HD13	1:25:A:GLN:H	15	1.6
(2,4003)	1:76:A:ILE:HG12	1:75:A:GLU:H	14	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3896)	1:26:A:LEU:HD11	1:24:A:LYS:H	17	1.6
(2,3896)	1:26:A:LEU:HD12	1:24:A:LYS:H	17	1.6
(2,3896)	1:26:A:LEU:HD13	1:24:A:LYS:H	17	1.6
(2,3491)	1:172:A:GLU:HG2	1:169:A:HIS:HB3	2	1.6
(2,3437)	1:170:A:LEU:HG	1:164:A:ILE:HA	11	1.6
(2,3431)	1:162:A:LYS:HA	1:163:A:GLN:HG3	9	1.6
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD11	1	1.6
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD12	1	1.6
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD13	1	1.6
(2,2458)	1:169:A:HIS:HB3	1:172:A:GLU:HG2	2	1.6
(2,2216)	1:76:A:ILE:HG12	1:41:A:LYS:HG2	10	1.6
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD11	6	1.6
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD12	6	1.6
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD13	6	1.6
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD11	6	1.6
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD12	6	1.6
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD13	6	1.6
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD11	6	1.6
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD12	6	1.6
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD13	6	1.6
(2,1967)	1:45:A:GLU:HG2	1:42:A:GLU:HA	12	1.6
(2,1717)	1:158:A:GLU:HG2	1:155:A:GLU:HA	15	1.6
(2,1509)	1:130:A:SER:H	1:128:A:GLU:HB3	3	1.6
(2,1509)	1:130:A:SER:H	1:128:A:GLU:HB3	16	1.6
(2,1389)	1:16:A:GLU:HG3	1:8:A:PHE:HB2	14	1.6
(2,1314)	1:26:A:LEU:HG	1:4:A:THR:HB	1	1.6
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD11	9	1.6
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD12	9	1.6
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD13	9	1.6
(2,1131)	1:105:A:ILE:HG12	1:102:A:LEU:HA	4	1.6
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD11	11	1.6
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD12	11	1.6
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD13	11	1.6
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD11	12	1.6
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD12	12	1.6
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD13	12	1.6
(2,816)	1:165:A:SER:HA	1:26:A:LEU:HG	6	1.6
(2,5271)	1:117:A:VAL:HG11	1:164:A:ILE:H	6	1.59
(2,5271)	1:117:A:VAL:HG12	1:164:A:ILE:H	6	1.59
(2,5271)	1:117:A:VAL:HG13	1:164:A:ILE:H	6	1.59
(2,5269)	1:167:A:GLU:HB3	1:164:A:ILE:H	5	1.59
(2,4657)	1:50:A:LEU:HD11	1:51:A:LEU:H	8	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4657)	1:50:A:LEU:HD12	1:51:A:LEU:H	8	1.59
(2,4657)	1:50:A:LEU:HD13	1:51:A:LEU:H	8	1.59
(2,4509)	1:28:A:LYS:HG3	1:30:A:VAL:H	10	1.59
(2,4509)	1:28:A:LYS:HG3	1:30:A:VAL:H	15	1.59
(2,4467)	1:23:A:GLN:HE22	1:24:A:LYS:H	2	1.59
(2,3987)	1:49:A:ILE:HD11	1:170:A:LEU:H	8	1.59
(2,3987)	1:49:A:ILE:HD12	1:170:A:LEU:H	8	1.59
(2,3987)	1:49:A:ILE:HD13	1:170:A:LEU:H	8	1.59
(2,3987)	1:49:A:ILE:HD11	1:170:A:LEU:H	10	1.59
(2,3987)	1:49:A:ILE:HD12	1:170:A:LEU:H	10	1.59
(2,3987)	1:49:A:ILE:HD13	1:170:A:LEU:H	10	1.59
(2,3437)	1:170:A:LEU:HG	1:164:A:ILE:HA	8	1.59
(2,3431)	1:162:A:LYS:HA	1:163:A:GLN:HG3	2	1.59
(2,3394)	1:159:A:LYS:HE2	1:159:A:LYS:HA	8	1.59
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD11	13	1.59
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD12	13	1.59
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD13	13	1.59
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD3	14	1.59
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD2	14	1.59
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG3	7	1.59
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG2	7	1.59
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD21	10	1.59
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD22	10	1.59
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD23	10	1.59
(2,2180)	1:161:A:VAL:HG11	1:162:A:LYS:HD2	10	1.59
(2,2180)	1:161:A:VAL:HG12	1:162:A:LYS:HD2	10	1.59
(2,2180)	1:161:A:VAL:HG13	1:162:A:LYS:HD2	10	1.59
(2,2175)	1:168:A:LEU:HD11	1:82:A:LEU:HB3	8	1.59
(2,2175)	1:168:A:LEU:HD12	1:82:A:LEU:HB3	8	1.59
(2,2175)	1:168:A:LEU:HD13	1:82:A:LEU:HB3	8	1.59
(2,2175)	1:168:A:LEU:HD11	1:82:A:LEU:HB3	19	1.59
(2,2175)	1:168:A:LEU:HD12	1:82:A:LEU:HB3	19	1.59
(2,2175)	1:168:A:LEU:HD13	1:82:A:LEU:HB3	19	1.59
(2,1967)	1:45:A:GLU:HG2	1:42:A:GLU:HA	19	1.59
(2,1429)	1:55:A:PRO:HB2	1:15:A:THR:HB	16	1.59
(2,1279)	1:168:A:LEU:HD11	1:170:A:LEU:HG	13	1.59
(2,1279)	1:168:A:LEU:HD12	1:170:A:LEU:HG	13	1.59
(2,1279)	1:168:A:LEU:HD13	1:170:A:LEU:HG	13	1.59
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD11	5	1.59
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD12	5	1.59
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD13	5	1.59
(3,105)	1:64:A:CYS:HB2	1:37:A:ALA:HA	20	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4657)	1:50:A:LEU:HD11	1:51:A:LEU:H	4	1.58
(2,4657)	1:50:A:LEU:HD12	1:51:A:LEU:H	4	1.58
(2,4657)	1:50:A:LEU:HD13	1:51:A:LEU:H	4	1.58
(2,4657)	1:50:A:LEU:HD11	1:51:A:LEU:H	9	1.58
(2,4657)	1:50:A:LEU:HD12	1:51:A:LEU:H	9	1.58
(2,4657)	1:50:A:LEU:HD13	1:51:A:LEU:H	9	1.58
(2,4509)	1:28:A:LYS:HG3	1:30:A:VAL:H	7	1.58
(2,4003)	1:76:A:ILE:HG12	1:75:A:GLU:H	2	1.58
(2,3394)	1:159:A:LYS:HE2	1:159:A:LYS:HA	11	1.58
(2,3344)	1:158:A:GLU:H	1:159:A:LYS:HD2	18	1.58
(2,3299)	1:88:A:CYS:HB2	1:18:A:ILE:HG12	12	1.58
(2,3109)	1:125:A:TYR:HE1	1:128:A:GLU:HG2	5	1.58
(2,3109)	1:125:A:TYR:HE2	1:128:A:GLU:HG2	5	1.58
(2,2985)	1:163:A:GLN:HG2	1:160:A:TRP:HA	10	1.58
(2,2547)	1:168:A:LEU:HD11	1:82:A:LEU:HB2	11	1.58
(2,2547)	1:168:A:LEU:HD12	1:82:A:LEU:HB2	11	1.58
(2,2547)	1:168:A:LEU:HD13	1:82:A:LEU:HB2	11	1.58
(2,2529)	1:25:A:GLN:HE21	1:162:A:LYS:HG2	10	1.58
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD21	18	1.58
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD22	18	1.58
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD23	18	1.58
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB1	10	1.58
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB2	10	1.58
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB3	10	1.58
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD11	14	1.58
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD12	14	1.58
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD13	14	1.58
(2,1967)	1:45:A:GLU:HG2	1:42:A:GLU:HA	8	1.58
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB2	16	1.58
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB2	16	1.58
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB2	16	1.58
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB3	16	1.58
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB3	16	1.58
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB3	16	1.58
(2,1509)	1:130:A:SER:H	1:128:A:GLU:HB3	8	1.58
(2,1505)	1:23:A:GLN:HE22	1:20:A:LYS:HA	8	1.58
(2,1505)	1:23:A:GLN:HE22	1:20:A:LYS:HA	14	1.58
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD11	9	1.58
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD12	9	1.58
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD13	9	1.58
(2,1203)	1:30:A:VAL:HG11	1:174:A:LEU:HA	17	1.58
(2,1203)	1:30:A:VAL:HG12	1:174:A:LEU:HA	17	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1203)	1:30:A:VAL:HG13	1:174:A:LEU:HA	17	1.58
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD1	5	1.58
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD2	5	1.58
(2,164)	1:9:A:GLY:HA2	1:66:A:TRP:HH2	2	1.58
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE1	16	1.58
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE2	16	1.58
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE1	16	1.58
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE2	16	1.58
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE1	16	1.58
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE2	16	1.58
(3,310)	1:18:A:ILE:HG12	1:55:A:PRO:HD3	9	1.57
(2,5366)	1:10:A:SER:HA	1:14:A:ASN:HD22	11	1.57
(2,4953)	1:108:A:ILE:HG12	1:107:A:ASP:H	6	1.57
(2,4509)	1:28:A:LYS:HG3	1:30:A:VAL:H	13	1.57
(2,4480)	1:26:A:LEU:HD11	1:25:A:GLN:H	14	1.57
(2,4480)	1:26:A:LEU:HD12	1:25:A:GLN:H	14	1.57
(2,4480)	1:26:A:LEU:HD13	1:25:A:GLN:H	14	1.57
(2,4467)	1:23:A:GLN:HE22	1:24:A:LYS:H	10	1.57
(2,4003)	1:76:A:ILE:HG12	1:75:A:GLU:H	18	1.57
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD21	15	1.57
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD22	15	1.57
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD23	15	1.57
(2,3174)	1:156:A:ARG:HB2	1:144:A:ILE:HG12	8	1.57
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB2	18	1.57
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB2	18	1.57
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB2	18	1.57
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB3	18	1.57
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB3	18	1.57
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB3	18	1.57
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD11	7	1.57
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD12	7	1.57
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD13	7	1.57
(2,1203)	1:30:A:VAL:HG11	1:174:A:LEU:HA	19	1.57
(2,1203)	1:30:A:VAL:HG12	1:174:A:LEU:HA	19	1.57
(2,1203)	1:30:A:VAL:HG13	1:174:A:LEU:HA	19	1.57
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD11	19	1.57
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD12	19	1.57
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD13	19	1.57
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG11	1	1.57
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG12	1	1.57
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG13	1	1.57
(2,5366)	1:10:A:SER:HA	1:14:A:ASN:HD22	10	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5271)	1:117:A:VAL:HG11	1:164:A:ILE:H	1	1.56
(2,5271)	1:117:A:VAL:HG12	1:164:A:ILE:H	1	1.56
(2,5271)	1:117:A:VAL:HG13	1:164:A:ILE:H	1	1.56
(2,4982)	1:112:A:ARG:HD2	1:113:A:GLY:H	9	1.56
(2,4953)	1:108:A:ILE:HG12	1:107:A:ASP:H	8	1.56
(2,4953)	1:108:A:ILE:HG12	1:107:A:ASP:H	17	1.56
(2,4857)	1:149:A:GLN:HG3	1:91:A:GLN:H	13	1.56
(2,4490)	1:174:A:LEU:HD11	1:26:A:LEU:H	15	1.56
(2,4490)	1:174:A:LEU:HD12	1:26:A:LEU:H	15	1.56
(2,4490)	1:174:A:LEU:HD13	1:26:A:LEU:H	15	1.56
(2,4127)	1:162:A:LYS:HG2	1:25:A:GLN:HE21	4	1.56
(2,3431)	1:162:A:LYS:HA	1:163:A:GLN:HG3	7	1.56
(2,3324)	1:157:A:VAL:HG11	1:153:A:THR:HA	20	1.56
(2,3324)	1:157:A:VAL:HG12	1:153:A:THR:HA	20	1.56
(2,3324)	1:157:A:VAL:HG13	1:153:A:THR:HA	20	1.56
(2,2891)	1:112:A:ARG:HD2	1:109:A:ILE:HA	19	1.56
(2,2695)	1:127:A:PHE:HB2	1:95:A:ALA:HA	15	1.56
(2,2568)	1:168:A:LEU:H	1:82:A:LEU:HD21	16	1.56
(2,2568)	1:168:A:LEU:H	1:82:A:LEU:HD22	16	1.56
(2,2568)	1:168:A:LEU:H	1:82:A:LEU:HD23	16	1.56
(2,2501)	1:162:A:LYS:HE2	1:158:A:GLU:HA	8	1.56
(2,2175)	1:168:A:LEU:HD11	1:82:A:LEU:HB3	2	1.56
(2,2175)	1:168:A:LEU:HD12	1:82:A:LEU:HB3	2	1.56
(2,2175)	1:168:A:LEU:HD13	1:82:A:LEU:HB3	2	1.56
(2,2175)	1:168:A:LEU:HD11	1:82:A:LEU:HB3	9	1.56
(2,2175)	1:168:A:LEU:HD12	1:82:A:LEU:HB3	9	1.56
(2,2175)	1:168:A:LEU:HD13	1:82:A:LEU:HB3	9	1.56
(2,2175)	1:168:A:LEU:HD11	1:82:A:LEU:HB3	20	1.56
(2,2175)	1:168:A:LEU:HD12	1:82:A:LEU:HB3	20	1.56
(2,2175)	1:168:A:LEU:HD13	1:82:A:LEU:HB3	20	1.56
(2,1825)	1:148:A:ARG:HE	1:149:A:GLN:HG2	14	1.56
(2,1509)	1:130:A:SER:H	1:128:A:GLU:HB3	17	1.56
(2,422)	1:165:A:SER:H	1:166:A:GLU:HG2	11	1.56
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD1	3	1.56
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD2	3	1.56
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD1	3	1.56
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD2	3	1.56
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD1	3	1.56
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD2	3	1.56
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD1	19	1.55
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD2	19	1.55
(2,4981)	1:111:A:PRO:HG2	1:112:A:ARG:HE	10	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4509)	1:28:A:LYS:HG3	1:30:A:VAL:H	20	1.55
(2,3517)	1:170:A:LEU:HD11	1:173:A:ILE:HB	4	1.55
(2,3517)	1:170:A:LEU:HD12	1:173:A:ILE:HB	4	1.55
(2,3517)	1:170:A:LEU:HD13	1:173:A:ILE:HB	4	1.55
(2,3517)	1:170:A:LEU:HD11	1:173:A:ILE:HB	20	1.55
(2,3517)	1:170:A:LEU:HD12	1:173:A:ILE:HB	20	1.55
(2,3517)	1:170:A:LEU:HD13	1:173:A:ILE:HB	20	1.55
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD21	18	1.55
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD22	18	1.55
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD23	18	1.55
(2,3437)	1:170:A:LEU:HG	1:164:A:ILE:HA	20	1.55
(2,2708)	1:128:A:GLU:HB2	1:96:A:GLU:HG3	18	1.55
(2,2708)	1:128:A:GLU:HB2	1:96:A:GLU:HG2	18	1.55
(2,2651)	1:149:A:GLN:HB2	1:90:A:ASP:HA	15	1.55
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD11	7	1.55
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD12	7	1.55
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD13	7	1.55
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD21	7	1.55
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD22	7	1.55
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD23	7	1.55
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD21	20	1.55
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD22	20	1.55
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD23	20	1.55
(2,2356)	1:80:A:GLY:H	1:81:A:LYS:HE3	18	1.55
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG21	3	1.55
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG22	3	1.55
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG23	3	1.55
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG21	3	1.55
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG22	3	1.55
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG23	3	1.55
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG21	3	1.55
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG22	3	1.55
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG23	3	1.55
(2,2175)	1:168:A:LEU:HD11	1:82:A:LEU:HB3	4	1.55
(2,2175)	1:168:A:LEU:HD12	1:82:A:LEU:HB3	4	1.55
(2,2175)	1:168:A:LEU:HD13	1:82:A:LEU:HB3	4	1.55
(2,2046)	1:77:A:ASP:HB3	1:45:A:GLU:HA	4	1.55
(2,1967)	1:45:A:GLU:HG2	1:42:A:GLU:HA	6	1.55
(2,1967)	1:45:A:GLU:HG2	1:42:A:GLU:HA	20	1.55
(2,1929)	1:82:A:LEU:HG	1:81:A:LYS:HA	16	1.55
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB2	10	1.55
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB2	10	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB2	10	1.55
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB3	10	1.55
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB3	10	1.55
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB3	10	1.55
(2,1509)	1:130:A:SER:H	1:128:A:GLU:HB3	1	1.55
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD1	8	1.55
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD2	8	1.55
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD1	8	1.55
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD2	8	1.55
(3,19)	1:63:A:GLN:HA	1:57:A:TRP:HZ2	1	1.54
(2,5345)	1:174:A:LEU:HG	1:175:A:ASN:HD22	8	1.54
(2,5196)	1:156:A:ARG:HG2	1:154:A:ALA:H	11	1.54
(2,5189)	1:156:A:ARG:HG2	1:153:A:THR:H	15	1.54
(2,4953)	1:108:A:ILE:HG12	1:107:A:ASP:H	10	1.54
(2,4052)	1:38:A:LYS:HD2	1:38:A:LYS:H	4	1.54
(2,3517)	1:170:A:LEU:HD11	1:173:A:ILE:HB	17	1.54
(2,3517)	1:170:A:LEU:HD12	1:173:A:ILE:HB	17	1.54
(2,3517)	1:170:A:LEU:HD13	1:173:A:ILE:HB	17	1.54
(2,3513)	1:172:A:GLU:HG2	1:171:A:ASP:HB2	8	1.54
(2,3513)	1:172:A:GLU:HG2	1:171:A:ASP:HB2	18	1.54
(2,3491)	1:172:A:GLU:HG2	1:169:A:HIS:HB3	6	1.54
(2,3437)	1:170:A:LEU:HG	1:164:A:ILE:HA	1	1.54
(2,3433)	1:162:A:LYS:H	1:163:A:GLN:HG3	8	1.54
(2,3324)	1:157:A:VAL:HG11	1:153:A:THR:HA	7	1.54
(2,3324)	1:157:A:VAL:HG12	1:153:A:THR:HA	7	1.54
(2,3324)	1:157:A:VAL:HG13	1:153:A:THR:HA	7	1.54
(2,3238)	1:86:A:PHE:HB3	1:142:A:LEU:HG	16	1.54
(2,2973)	1:150:A:PRO:HD3	1:144:A:ILE:HG21	1	1.54
(2,2973)	1:150:A:PRO:HD3	1:144:A:ILE:HG22	1	1.54
(2,2973)	1:150:A:PRO:HD3	1:144:A:ILE:HG23	1	1.54
(2,2568)	1:168:A:LEU:H	1:82:A:LEU:HD21	18	1.54
(2,2568)	1:168:A:LEU:H	1:82:A:LEU:HD22	18	1.54
(2,2568)	1:168:A:LEU:H	1:82:A:LEU:HD23	18	1.54
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG21	1	1.54
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG22	1	1.54
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG23	1	1.54
(2,2458)	1:169:A:HIS:HB3	1:172:A:GLU:HG2	6	1.54
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD21	8	1.54
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD22	8	1.54
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD23	8	1.54
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD11	3	1.54
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD12	3	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD13	3	1.54
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD11	3	1.54
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD12	3	1.54
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD13	3	1.54
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD11	3	1.54
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD12	3	1.54
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD13	3	1.54
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB1	5	1.54
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB2	5	1.54
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB3	5	1.54
(2,1314)	1:26:A:LEU:HG	1:4:A:THR:HB	17	1.54
(2,422)	1:165:A:SER:H	1:166:A:GLU:HG2	5	1.54
(2,422)	1:165:A:SER:H	1:166:A:GLU:HG2	12	1.54
(2,422)	1:165:A:SER:H	1:166:A:GLU:HG2	16	1.54
(2,81)	1:105:A:ILE:HB	1:70:A:PHE:HZ	5	1.54
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD1	8	1.54
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD2	8	1.54
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD1	8	1.54
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD2	8	1.54
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD1	8	1.54
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD2	8	1.54
(3,35)	1:158:A:GLU:H	1:120:A:TRP:HZ2	2	1.53
(3,25)	1:65:A:ASP:HB3	1:66:A:TRP:HE3	6	1.53
(2,4932)	1:106:A:ARG:HB2	1:104:A:THR:H	12	1.53
(2,4866)	1:91:A:GLN:HG3	1:93:A:ASP:H	11	1.53
(2,4509)	1:28:A:LYS:HG3	1:30:A:VAL:H	8	1.53
(2,4509)	1:28:A:LYS:HG3	1:30:A:VAL:H	9	1.53
(2,4509)	1:28:A:LYS:HG3	1:30:A:VAL:H	14	1.53
(2,4127)	1:162:A:LYS:HG2	1:25:A:GLN:HE21	3	1.53
(2,4127)	1:162:A:LYS:HG2	1:25:A:GLN:HE21	11	1.53
(2,4052)	1:38:A:LYS:HD2	1:38:A:LYS:H	9	1.53
(2,3433)	1:162:A:LYS:H	1:163:A:GLN:HG3	7	1.53
(2,3433)	1:162:A:LYS:H	1:163:A:GLN:HG3	12	1.53
(2,3109)	1:125:A:TYR:HE1	1:128:A:GLU:HG2	10	1.53
(2,3109)	1:125:A:TYR:HE2	1:128:A:GLU:HG2	10	1.53
(2,2891)	1:112:A:ARG:HD2	1:109:A:ILE:HA	4	1.53
(2,2547)	1:168:A:LEU:HD11	1:82:A:LEU:HB2	19	1.53
(2,2547)	1:168:A:LEU:HD12	1:82:A:LEU:HB2	19	1.53
(2,2547)	1:168:A:LEU:HD13	1:82:A:LEU:HB2	19	1.53
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG21	17	1.53
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG22	17	1.53
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG23	17	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2091)	1:168:A:LEU:HB2	1:49:A:ILE:HG12	7	1.53
(2,2046)	1:77:A:ASP:HB3	1:45:A:GLU:HA	19	1.53
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD11	5	1.53
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD12	5	1.53
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD13	5	1.53
(2,1967)	1:45:A:GLU:HG2	1:42:A:GLU:HA	7	1.53
(2,1735)	1:28:A:LYS:HG3	1:29:A:ASP:HA	6	1.53
(2,1429)	1:55:A:PRO:HB2	1:15:A:THR:HB	20	1.53
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG11	7	1.53
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG12	7	1.53
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG13	7	1.53
(2,422)	1:165:A:SER:H	1:166:A:GLU:HG2	19	1.53
(2,164)	1:9:A:GLY:HA2	1:66:A:TRP:HH2	3	1.53
(2,81)	1:105:A:ILE:HB	1:70:A:PHE:HZ	8	1.53
(3,105)	1:64:A:CYS:HB2	1:37:A:ALA:HA	3	1.52
(3,105)	1:64:A:CYS:HB2	1:37:A:ALA:HA	11	1.52
(2,5238)	1:25:A:GLN:HE22	1:160:A:TRP:H	3	1.52
(2,5189)	1:156:A:ARG:HG2	1:153:A:THR:H	10	1.52
(2,4866)	1:91:A:GLN:HG3	1:93:A:ASP:H	15	1.52
(2,4052)	1:38:A:LYS:HD2	1:38:A:LYS:H	6	1.52
(2,4052)	1:38:A:LYS:HD2	1:38:A:LYS:H	16	1.52
(2,3896)	1:26:A:LEU:HD11	1:24:A:LYS:H	1	1.52
(2,3896)	1:26:A:LEU:HD12	1:24:A:LYS:H	1	1.52
(2,3896)	1:26:A:LEU:HD13	1:24:A:LYS:H	1	1.52
(2,3783)	1:92:A:GLU:HG3	1:93:A:ASP:H	8	1.52
(2,3551)	1:59:A:TYR:HE1	1:58:A:TYR:HB2	18	1.52
(2,3551)	1:59:A:TYR:HE2	1:58:A:TYR:HB2	18	1.52
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD11	11	1.52
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD12	11	1.52
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD13	11	1.52
(2,3437)	1:170:A:LEU:HG	1:164:A:ILE:HA	9	1.52
(2,3433)	1:162:A:LYS:H	1:163:A:GLN:HG3	14	1.52
(2,3263)	1:146:A:GLU:H	1:144:A:ILE:HG12	17	1.52
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB2	12	1.52
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB3	12	1.52
(2,2708)	1:128:A:GLU:HB2	1:96:A:GLU:HG3	7	1.52
(2,2708)	1:128:A:GLU:HB2	1:96:A:GLU:HG2	7	1.52
(2,2501)	1:162:A:LYS:HE2	1:158:A:GLU:HA	20	1.52
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG21	7	1.52
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG22	7	1.52
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG23	7	1.52
(2,2175)	1:168:A:LEU:HD11	1:82:A:LEU:HB3	7	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2175)	1:168:A:LEU:HD12	1:82:A:LEU:HB3	7	1.52
(2,2175)	1:168:A:LEU:HD13	1:82:A:LEU:HB3	7	1.52
(2,2175)	1:168:A:LEU:HD11	1:82:A:LEU:HB3	17	1.52
(2,2175)	1:168:A:LEU:HD12	1:82:A:LEU:HB3	17	1.52
(2,2175)	1:168:A:LEU:HD13	1:82:A:LEU:HB3	17	1.52
(2,2091)	1:168:A:LEU:HB2	1:49:A:ILE:HG12	14	1.52
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB2	7	1.52
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB2	7	1.52
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB2	7	1.52
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB3	7	1.52
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB3	7	1.52
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB3	7	1.52
(2,1204)	1:128:A:GLU:HB2	1:95:A:ALA:HA	3	1.52
(2,1131)	1:105:A:ILE:HG12	1:102:A:LEU:HA	13	1.52
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG11	20	1.52
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG12	20	1.52
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG13	20	1.52
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD11	13	1.51
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD12	13	1.51
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD13	13	1.51
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD1	2	1.51
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD2	2	1.51
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD1	17	1.51
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD2	17	1.51
(2,5175)	1:156:A:ARG:HD3	1:151:A:GLU:H	12	1.51
(2,4932)	1:106:A:ARG:HB2	1:104:A:THR:H	1	1.51
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD21	7	1.51
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD22	7	1.51
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD23	7	1.51
(2,3433)	1:162:A:LYS:H	1:163:A:GLN:HG3	9	1.51
(2,2547)	1:168:A:LEU:HD11	1:82:A:LEU:HB2	18	1.51
(2,2547)	1:168:A:LEU:HD12	1:82:A:LEU:HB2	18	1.51
(2,2547)	1:168:A:LEU:HD13	1:82:A:LEU:HB2	18	1.51
(2,2501)	1:162:A:LYS:HE2	1:158:A:GLU:HA	14	1.51
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD11	17	1.51
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD12	17	1.51
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD13	17	1.51
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD11	18	1.51
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD12	18	1.51
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD13	18	1.51
(2,2479)	1:30:A:VAL:HG11	1:173:A:ILE:HB	3	1.51
(2,2479)	1:30:A:VAL:HG12	1:173:A:ILE:HB	3	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2479)	1:30:A:VAL:HG13	1:173:A:ILE:HB	3	1.51
(2,2175)	1:168:A:LEU:HD11	1:82:A:LEU:HB3	1	1.51
(2,2175)	1:168:A:LEU:HD12	1:82:A:LEU:HB3	1	1.51
(2,2175)	1:168:A:LEU:HD13	1:82:A:LEU:HB3	1	1.51
(2,2175)	1:168:A:LEU:HD11	1:82:A:LEU:HB3	3	1.51
(2,2175)	1:168:A:LEU:HD12	1:82:A:LEU:HB3	3	1.51
(2,2175)	1:168:A:LEU:HD13	1:82:A:LEU:HB3	3	1.51
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD11	15	1.51
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD12	15	1.51
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD13	15	1.51
(2,1967)	1:45:A:GLU:HG2	1:42:A:GLU:HA	17	1.51
(2,1967)	1:45:A:GLU:HG2	1:42:A:GLU:HA	18	1.51
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG11	3	1.51
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG12	3	1.51
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG13	3	1.51
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG11	3	1.51
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG12	3	1.51
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG13	3	1.51
(2,1131)	1:105:A:ILE:HG12	1:102:A:LEU:HA	14	1.51
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD11	4	1.51
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD12	4	1.51
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD13	4	1.51
(2,422)	1:165:A:SER:H	1:166:A:GLU:HG2	20	1.51
(3,105)	1:64:A:CYS:HB2	1:37:A:ALA:HA	1	1.5
(2,5147)	1:146:A:GLU:HB3	1:145:A:ASP:H	5	1.5
(2,4657)	1:50:A:LEU:HD11	1:51:A:LEU:H	19	1.5
(2,4657)	1:50:A:LEU:HD12	1:51:A:LEU:H	19	1.5
(2,4657)	1:50:A:LEU:HD13	1:51:A:LEU:H	19	1.5
(2,4127)	1:162:A:LYS:HG2	1:25:A:GLN:HE21	6	1.5
(2,3783)	1:92:A:GLU:HG3	1:93:A:ASP:H	18	1.5
(2,3513)	1:172:A:GLU:HG2	1:171:A:ASP:HB2	6	1.5
(2,3513)	1:172:A:GLU:HG2	1:171:A:ASP:HB2	7	1.5
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD21	16	1.5
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD22	16	1.5
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD23	16	1.5
(2,3433)	1:162:A:LYS:H	1:163:A:GLN:HG3	16	1.5
(2,3324)	1:157:A:VAL:HG11	1:153:A:THR:HA	14	1.5
(2,3324)	1:157:A:VAL:HG12	1:153:A:THR:HA	14	1.5
(2,3324)	1:157:A:VAL:HG13	1:153:A:THR:HA	14	1.5
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD21	12	1.5
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD22	12	1.5
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD23	12	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2180)	1:161:A:VAL:HG11	1:162:A:LYS:HD2	6	1.5
(2,2180)	1:161:A:VAL:HG12	1:162:A:LYS:HD2	6	1.5
(2,2180)	1:161:A:VAL:HG13	1:162:A:LYS:HD2	6	1.5
(2,1825)	1:148:A:ARG:HE	1:149:A:GLN:HG2	3	1.5
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB1	15	1.5
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB2	15	1.5
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB3	15	1.5
(2,1717)	1:158:A:GLU:HG2	1:155:A:GLU:HA	18	1.5
(2,1389)	1:16:A:GLU:HG3	1:8:A:PHE:HB2	19	1.5
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD11	8	1.5
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD12	8	1.5
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD13	8	1.5
(2,1228)	1:38:A:LYS:HB2	1:38:A:LYS:HE3	7	1.5
(2,1204)	1:128:A:GLU:HB2	1:95:A:ALA:HA	12	1.5
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE1	10	1.5
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE2	10	1.5
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE1	10	1.5
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE2	10	1.5
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE1	10	1.5
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE2	10	1.5
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD1	10	1.49
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD2	10	1.49
(2,5355)	1:142:A:LEU:HD11	1:120:A:TRP:HE1	12	1.49
(2,5355)	1:142:A:LEU:HD12	1:120:A:TRP:HE1	12	1.49
(2,5355)	1:142:A:LEU:HD13	1:120:A:TRP:HE1	12	1.49
(2,5345)	1:174:A:LEU:HG	1:175:A:ASN:HD22	15	1.49
(2,5286)	1:168:A:LEU:HD21	1:166:A:GLU:H	3	1.49
(2,5286)	1:168:A:LEU:HD22	1:166:A:GLU:H	3	1.49
(2,5286)	1:168:A:LEU:HD23	1:166:A:GLU:H	3	1.49
(2,4953)	1:108:A:ILE:HG12	1:107:A:ASP:H	12	1.49
(2,4932)	1:106:A:ARG:HB2	1:104:A:THR:H	20	1.49
(2,4633)	1:3:A:ILE:HG12	1:48:A:ASP:H	8	1.49
(2,4576)	1:44:A:LEU:HD11	1:40:A:SER:H	12	1.49
(2,4576)	1:44:A:LEU:HD12	1:40:A:SER:H	12	1.49
(2,4576)	1:44:A:LEU:HD13	1:40:A:SER:H	12	1.49
(2,4480)	1:26:A:LEU:HD11	1:25:A:GLN:H	3	1.49
(2,4480)	1:26:A:LEU:HD12	1:25:A:GLN:H	3	1.49
(2,4480)	1:26:A:LEU:HD13	1:25:A:GLN:H	3	1.49
(2,3856)	1:42:A:GLU:HB3	1:43:A:ASP:H	1	1.49
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB2	19	1.49
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB3	19	1.49
(2,3118)	1:92:A:GLU:HG2	1:148:A:ARG:HA	19	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2940)	1:112:A:ARG:HD2	1:111:A:PRO:HB3	20	1.49
(2,2678)	1:96:A:GLU:HG2	1:94:A:TYR:HA	19	1.49
(2,2547)	1:168:A:LEU:HD11	1:82:A:LEU:HB2	9	1.49
(2,2547)	1:168:A:LEU:HD12	1:82:A:LEU:HB2	9	1.49
(2,2547)	1:168:A:LEU:HD13	1:82:A:LEU:HB2	9	1.49
(2,2175)	1:168:A:LEU:HD11	1:82:A:LEU:HB3	10	1.49
(2,2175)	1:168:A:LEU:HD12	1:82:A:LEU:HB3	10	1.49
(2,2175)	1:168:A:LEU:HD13	1:82:A:LEU:HB3	10	1.49
(2,2040)	1:73:A:LEU:HB2	1:44:A:LEU:HD21	15	1.49
(2,2040)	1:73:A:LEU:HB2	1:44:A:LEU:HD22	15	1.49
(2,2040)	1:73:A:LEU:HB2	1:44:A:LEU:HD23	15	1.49
(2,2035)	1:40:A:SER:H	1:44:A:LEU:HD11	12	1.49
(2,2035)	1:40:A:SER:H	1:44:A:LEU:HD12	12	1.49
(2,2035)	1:40:A:SER:H	1:44:A:LEU:HD13	12	1.49
(2,1967)	1:45:A:GLU:HG2	1:42:A:GLU:HA	9	1.49
(2,1713)	1:174:A:LEU:HD11	1:166:A:GLU:HA	15	1.49
(2,1713)	1:174:A:LEU:HD12	1:166:A:GLU:HA	15	1.49
(2,1713)	1:174:A:LEU:HD13	1:166:A:GLU:HA	15	1.49
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB2	1	1.49
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB2	1	1.49
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB2	1	1.49
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB3	1	1.49
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB3	1	1.49
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB3	1	1.49
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB2	20	1.49
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB2	20	1.49
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB2	20	1.49
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB3	20	1.49
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB3	20	1.49
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB3	20	1.49
(2,1509)	1:130:A:SER:H	1:128:A:GLU:HB3	11	1.49
(2,1229)	1:16:A:GLU:HG3	1:20:A:LYS:HE3	4	1.49
(2,1228)	1:38:A:LYS:HB2	1:38:A:LYS:HE3	19	1.49
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG21	7	1.49
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG22	7	1.49
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG23	7	1.49
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD11	9	1.49
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD12	9	1.49
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD13	9	1.49
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD11	9	1.49
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD12	9	1.49
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD13	9	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD11	9	1.49
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD12	9	1.49
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD13	9	1.49
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD11	19	1.49
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD12	19	1.49
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD13	19	1.49
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD11	19	1.49
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD12	19	1.49
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD13	19	1.49
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD11	19	1.49
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD12	19	1.49
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD13	19	1.49
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD11	12	1.49
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD12	12	1.49
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD13	12	1.49
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG11	12	1.49
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG12	12	1.49
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG13	12	1.49
(2,422)	1:165:A:SER:H	1:166:A:GLU:HG2	18	1.49
(2,171)	1:52:A:LEU:HB2	1:66:A:TRP:HZ2	8	1.49
(2,164)	1:9:A:GLY:HA2	1:66:A:TRP:HH2	19	1.49
(3,165)	1:112:A:ARG:HB3	1:81:A:LYS:HD2	1	1.48
(3,35)	1:158:A:GLU:H	1:120:A:TRP:HZ2	10	1.48
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD1	6	1.48
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD2	6	1.48
(2,5345)	1:174:A:LEU:HG	1:175:A:ASN:HD22	14	1.48
(2,5189)	1:156:A:ARG:HG2	1:153:A:THR:H	20	1.48
(2,4879)	1:91:A:GLN:HG2	1:95:A:ALA:H	7	1.48
(2,4509)	1:28:A:LYS:HG3	1:30:A:VAL:H	2	1.48
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	1	1.48
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	1	1.48
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	1	1.48
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	1	1.48
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	1	1.48
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	1	1.48
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD21	5	1.48
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD22	5	1.48
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD23	5	1.48
(2,3437)	1:170:A:LEU:HG	1:164:A:ILE:HA	19	1.48
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD11	16	1.48
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD12	16	1.48
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD13	16	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3062)	1:133:A:LEU:HD11	1:122:A:THR:HA	4	1.48
(2,3062)	1:133:A:LEU:HD12	1:122:A:THR:HA	4	1.48
(2,3062)	1:133:A:LEU:HD13	1:122:A:THR:HA	4	1.48
(2,2708)	1:128:A:GLU:HB2	1:96:A:GLU:HG3	11	1.48
(2,2708)	1:128:A:GLU:HB2	1:96:A:GLU:HG2	11	1.48
(2,2651)	1:149:A:GLN:HB2	1:90:A:ASP:HA	4	1.48
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD21	9	1.48
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD22	9	1.48
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD23	9	1.48
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD21	11	1.48
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD22	11	1.48
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD23	11	1.48
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD21	17	1.48
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD22	17	1.48
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD23	17	1.48
(2,2180)	1:161:A:VAL:HG11	1:162:A:LYS:HD2	13	1.48
(2,2180)	1:161:A:VAL:HG12	1:162:A:LYS:HD2	13	1.48
(2,2180)	1:161:A:VAL:HG13	1:162:A:LYS:HD2	13	1.48
(2,2091)	1:168:A:LEU:HB2	1:49:A:ILE:HG12	15	1.48
(2,1721)	1:24:A:LYS:HE2	1:28:A:LYS:HB2	9	1.48
(2,164)	1:9:A:GLY:HA2	1:66:A:TRP:HH2	6	1.48
(2,5269)	1:167:A:GLU:HB3	1:164:A:ILE:H	20	1.47
(2,5189)	1:156:A:ARG:HG2	1:153:A:THR:H	14	1.47
(2,4052)	1:38:A:LYS:HD2	1:38:A:LYS:H	15	1.47
(2,3493)	1:172:A:GLU:HG2	1:169:A:HIS:HB2	1	1.47
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD21	15	1.47
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD22	15	1.47
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD23	15	1.47
(2,3433)	1:162:A:LYS:H	1:163:A:GLN:HG3	17	1.47
(2,2891)	1:112:A:ARG:HD2	1:109:A:ILE:HA	3	1.47
(2,2678)	1:96:A:GLU:HG2	1:94:A:TYR:HA	2	1.47
(2,1509)	1:130:A:SER:H	1:128:A:GLU:HB3	7	1.47
(2,1204)	1:128:A:GLU:HB2	1:95:A:ALA:HA	19	1.47
(2,1202)	1:20:A:LYS:HD2	1:17:A:ASN:HA	2	1.47
(2,1180)	1:68:A:ASP:HB2	1:65:A:ASP:HA	6	1.47
(2,1131)	1:105:A:ILE:HG12	1:102:A:LEU:HA	9	1.47
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD11	16	1.47
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD12	16	1.47
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD13	16	1.47
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD11	16	1.47
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD12	16	1.47
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD13	16	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD11	16	1.47
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD12	16	1.47
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD13	16	1.47
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD11	19	1.47
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD12	19	1.47
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD13	19	1.47
(2,81)	1:105:A:ILE:HB	1:70:A:PHE:HZ	9	1.47
(3,609)	1:157:A:VAL:HG11	1:144:A:ILE:H	7	1.46
(3,609)	1:157:A:VAL:HG12	1:144:A:ILE:H	7	1.46
(3,609)	1:157:A:VAL:HG13	1:144:A:ILE:H	7	1.46
(3,273)	1:144:A:ILE:HG12	1:149:A:GLN:HA	10	1.46
(3,105)	1:64:A:CYS:HB2	1:37:A:ALA:HA	13	1.46
(2,4052)	1:38:A:LYS:HD2	1:38:A:LYS:H	18	1.46
(2,3987)	1:49:A:ILE:HD11	1:170:A:LEU:H	13	1.46
(2,3987)	1:49:A:ILE:HD12	1:170:A:LEU:H	13	1.46
(2,3987)	1:49:A:ILE:HD13	1:170:A:LEU:H	13	1.46
(2,3934)	1:91:A:GLN:HG2	1:92:A:GLU:H	11	1.46
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	13	1.46
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	13	1.46
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	13	1.46
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	13	1.46
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	13	1.46
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	13	1.46
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD21	19	1.46
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD22	19	1.46
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD23	19	1.46
(2,3469)	1:165:A:SER:HB3	1:166:A:GLU:HG3	1	1.46
(2,3464)	1:170:A:LEU:HB3	1:165:A:SER:HA	2	1.46
(2,3433)	1:162:A:LYS:H	1:163:A:GLN:HG3	1	1.46
(2,3433)	1:162:A:LYS:H	1:163:A:GLN:HG3	2	1.46
(2,2547)	1:168:A:LEU:HD11	1:82:A:LEU:HB2	4	1.46
(2,2547)	1:168:A:LEU:HD12	1:82:A:LEU:HB2	4	1.46
(2,2547)	1:168:A:LEU:HD13	1:82:A:LEU:HB2	4	1.46
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD11	9	1.46
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD12	9	1.46
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD13	9	1.46
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG2	3	1.46
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG3	3	1.46
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD21	19	1.46
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD22	19	1.46
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD23	19	1.46
(2,1659)	1:34:A:HIS:HB2	1:38:A:LYS:HE3	19	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1228)	1:38:A:LYS:HB2	1:38:A:LYS:HE3	13	1.46
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD11	10	1.46
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD12	10	1.46
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD13	10	1.46
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD11	10	1.46
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD12	10	1.46
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD13	10	1.46
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD11	10	1.46
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD12	10	1.46
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD13	10	1.46
(3,609)	1:157:A:VAL:HG11	1:144:A:ILE:H	8	1.45
(3,609)	1:157:A:VAL:HG12	1:144:A:ILE:H	8	1.45
(3,609)	1:157:A:VAL:HG13	1:144:A:ILE:H	8	1.45
(3,609)	1:157:A:VAL:HG11	1:144:A:ILE:H	14	1.45
(3,609)	1:157:A:VAL:HG12	1:144:A:ILE:H	14	1.45
(3,609)	1:157:A:VAL:HG13	1:144:A:ILE:H	14	1.45
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD11	6	1.45
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD12	6	1.45
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD13	6	1.45
(2,5229)	1:145:A:ASP:H	1:156:A:ARG:HE	9	1.45
(2,4879)	1:91:A:GLN:HG2	1:95:A:ALA:H	17	1.45
(2,4052)	1:38:A:LYS:HD2	1:38:A:LYS:H	10	1.45
(2,4003)	1:76:A:ILE:HG12	1:75:A:GLU:H	12	1.45
(2,3934)	1:91:A:GLN:HG2	1:92:A:GLU:H	12	1.45
(2,3856)	1:42:A:GLU:HB3	1:43:A:ASP:H	4	1.45
(2,3856)	1:42:A:GLU:HB3	1:43:A:ASP:H	10	1.45
(2,3783)	1:92:A:GLU:HG3	1:93:A:ASP:H	19	1.45
(2,3517)	1:170:A:LEU:HD11	1:173:A:ILE:HB	1	1.45
(2,3517)	1:170:A:LEU:HD12	1:173:A:ILE:HB	1	1.45
(2,3517)	1:170:A:LEU:HD13	1:173:A:ILE:HB	1	1.45
(2,3513)	1:172:A:GLU:HG2	1:171:A:ASP:HB2	2	1.45
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD21	18	1.45
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD22	18	1.45
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD23	18	1.45
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG2	16	1.45
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG3	16	1.45
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD21	1	1.45
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD22	1	1.45
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD23	1	1.45
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD21	5	1.45
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD22	5	1.45
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD23	5	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD11	14	1.45
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD12	14	1.45
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD13	14	1.45
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD11	7	1.45
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD12	7	1.45
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD13	7	1.45
(2,1967)	1:45:A:GLU:HG2	1:42:A:GLU:HA	1	1.45
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB3	7	1.45
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB2	7	1.45
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB1	14	1.45
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB2	14	1.45
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB3	14	1.45
(2,1660)	1:25:A:GLN:HE22	1:162:A:LYS:HE2	6	1.45
(2,1509)	1:130:A:SER:H	1:128:A:GLU:HB3	10	1.45
(2,1429)	1:55:A:PRO:HB2	1:15:A:THR:HB	4	1.45
(2,1228)	1:38:A:LYS:HB2	1:38:A:LYS:HE3	12	1.45
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD11	4	1.45
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD12	4	1.45
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD13	4	1.45
(2,5338)	1:175:A:ASN:HD22	1:175:A:ASN:H	11	1.44
(2,5269)	1:167:A:GLU:HB3	1:164:A:ILE:H	1	1.44
(2,4633)	1:3:A:ILE:HG12	1:48:A:ASP:H	6	1.44
(2,4557)	1:38:A:LYS:HD2	1:37:A:ALA:H	20	1.44
(2,4509)	1:28:A:LYS:HG3	1:30:A:VAL:H	1	1.44
(2,4052)	1:38:A:LYS:HD2	1:38:A:LYS:H	13	1.44
(2,3856)	1:42:A:GLU:HB3	1:43:A:ASP:H	6	1.44
(2,3856)	1:42:A:GLU:HB3	1:43:A:ASP:H	11	1.44
(2,3856)	1:42:A:GLU:HB3	1:43:A:ASP:H	15	1.44
(2,3856)	1:42:A:GLU:HB3	1:43:A:ASP:H	18	1.44
(2,3686)	1:160:A:TRP:HB2	1:162:A:LYS:H	7	1.44
(2,3469)	1:165:A:SER:HB3	1:166:A:GLU:HG3	4	1.44
(2,3469)	1:165:A:SER:HB3	1:166:A:GLU:HG3	8	1.44
(2,3437)	1:170:A:LEU:HG	1:164:A:ILE:HA	10	1.44
(2,3437)	1:170:A:LEU:HG	1:164:A:ILE:HA	16	1.44
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD21	16	1.44
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD22	16	1.44
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD23	16	1.44
(2,2406)	1:74:A:GLU:HG2	1:72:A:THR:HA	8	1.44
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD21	9	1.44
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD22	9	1.44
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD23	9	1.44
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD21	13	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD22	13	1.44
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD23	13	1.44
(2,1929)	1:82:A:LEU:HG	1:81:A:LYS:HA	18	1.44
(2,1906)	1:100:A:ASP:HB2	1:131:A:LYS:HD2	20	1.44
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB1	9	1.44
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB2	9	1.44
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB3	9	1.44
(2,1660)	1:25:A:GLN:HE22	1:162:A:LYS:HE2	11	1.44
(2,1203)	1:30:A:VAL:HG11	1:174:A:LEU:HA	9	1.44
(2,1203)	1:30:A:VAL:HG12	1:174:A:LEU:HA	9	1.44
(2,1203)	1:30:A:VAL:HG13	1:174:A:LEU:HA	9	1.44
(2,1131)	1:105:A:ILE:HG12	1:102:A:LEU:HA	7	1.44
(2,164)	1:9:A:GLY:HA2	1:66:A:TRP:HH2	12	1.44
(3,78)	1:174:A:LEU:HB2	1:27:A:GLY:HA3	14	1.43
(2,5338)	1:175:A:ASN:HD22	1:175:A:ASN:H	3	1.43
(2,5338)	1:175:A:ASN:HD22	1:175:A:ASN:H	5	1.43
(2,4657)	1:50:A:LEU:HD11	1:51:A:LEU:H	12	1.43
(2,4657)	1:50:A:LEU:HD12	1:51:A:LEU:H	12	1.43
(2,4657)	1:50:A:LEU:HD13	1:51:A:LEU:H	12	1.43
(2,3856)	1:42:A:GLU:HB3	1:43:A:ASP:H	7	1.43
(2,3856)	1:42:A:GLU:HB3	1:43:A:ASP:H	16	1.43
(2,3827)	1:145:A:ASP:HB2	1:147:A:ASP:H	7	1.43
(2,3517)	1:170:A:LEU:HD11	1:173:A:ILE:HB	13	1.43
(2,3517)	1:170:A:LEU:HD12	1:173:A:ILE:HB	13	1.43
(2,3517)	1:170:A:LEU:HD13	1:173:A:ILE:HB	13	1.43
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD21	8	1.43
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD22	8	1.43
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD23	8	1.43
(2,3324)	1:157:A:VAL:HG11	1:153:A:THR:HA	12	1.43
(2,3324)	1:157:A:VAL:HG12	1:153:A:THR:HA	12	1.43
(2,3324)	1:157:A:VAL:HG13	1:153:A:THR:HA	12	1.43
(2,2547)	1:168:A:LEU:HD11	1:82:A:LEU:HB2	20	1.43
(2,2547)	1:168:A:LEU:HD12	1:82:A:LEU:HB2	20	1.43
(2,2547)	1:168:A:LEU:HD13	1:82:A:LEU:HB2	20	1.43
(2,2501)	1:162:A:LYS:HE2	1:158:A:GLU:HA	7	1.43
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD21	2	1.43
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD22	2	1.43
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD23	2	1.43
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD21	3	1.43
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD22	3	1.43
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD23	3	1.43
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD21	4	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD22	4	1.43
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD23	4	1.43
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD21	17	1.43
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD22	17	1.43
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD23	17	1.43
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD21	4	1.43
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD22	4	1.43
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD23	4	1.43
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD21	18	1.43
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD22	18	1.43
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD23	18	1.43
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB1	3	1.43
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB2	3	1.43
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB3	3	1.43
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB1	8	1.43
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB2	8	1.43
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB3	8	1.43
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB1	8	1.43
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB2	8	1.43
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB3	8	1.43
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB1	12	1.43
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB2	12	1.43
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB3	12	1.43
(2,1742)	1:30:A:VAL:HG11	1:29:A:ASP:HB2	6	1.43
(2,1742)	1:30:A:VAL:HG12	1:29:A:ASP:HB2	6	1.43
(2,1742)	1:30:A:VAL:HG13	1:29:A:ASP:HB2	6	1.43
(2,1713)	1:174:A:LEU:HD11	1:166:A:GLU:HA	11	1.43
(2,1713)	1:174:A:LEU:HD12	1:166:A:GLU:HA	11	1.43
(2,1713)	1:174:A:LEU:HD13	1:166:A:GLU:HA	11	1.43
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD21	9	1.43
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD22	9	1.43
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD23	9	1.43
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD21	9	1.43
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD22	9	1.43
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD23	9	1.43
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD21	9	1.43
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD22	9	1.43
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD23	9	1.43
(2,1228)	1:38:A:LYS:HB2	1:38:A:LYS:HE3	17	1.43
(2,1176)	1:28:A:LYS:HG2	1:24:A:LYS:HA	5	1.43
(2,1176)	1:28:A:LYS:HG2	1:24:A:LYS:HA	15	1.43
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD1	10	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD2	10	1.43
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD1	10	1.43
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD2	10	1.43
(2,81)	1:105:A:ILE:HB	1:70:A:PHE:HZ	18	1.43
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD11	5	1.42
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD12	5	1.42
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD13	5	1.42
(3,106)	1:45:A:GLU:H	1:39:A:SER:HB3	4	1.42
(2,5338)	1:175:A:ASN:HD22	1:175:A:ASN:H	4	1.42
(2,5338)	1:175:A:ASN:HD22	1:175:A:ASN:H	10	1.42
(2,5338)	1:175:A:ASN:HD22	1:175:A:ASN:H	20	1.42
(2,5189)	1:156:A:ARG:HG2	1:153:A:THR:H	9	1.42
(2,4633)	1:3:A:ILE:HG12	1:48:A:ASP:H	18	1.42
(2,4537)	1:38:A:LYS:HD2	1:35:A:ASP:H	8	1.42
(2,4052)	1:38:A:LYS:HD2	1:38:A:LYS:H	20	1.42
(2,4003)	1:76:A:ILE:HG12	1:75:A:GLU:H	5	1.42
(2,3856)	1:42:A:GLU:HB3	1:43:A:ASP:H	19	1.42
(2,3686)	1:160:A:TRP:HB2	1:162:A:LYS:H	8	1.42
(2,3437)	1:170:A:LEU:HG	1:164:A:ILE:HA	12	1.42
(2,3431)	1:162:A:LYS:HA	1:163:A:GLN:HG3	15	1.42
(2,3299)	1:88:A:CYS:HB2	1:18:A:ILE:HG12	9	1.42
(2,3118)	1:92:A:GLU:HG2	1:148:A:ARG:HA	4	1.42
(2,3118)	1:92:A:GLU:HG2	1:148:A:ARG:HA	9	1.42
(2,2547)	1:168:A:LEU:HD11	1:82:A:LEU:HB2	2	1.42
(2,2547)	1:168:A:LEU:HD12	1:82:A:LEU:HB2	2	1.42
(2,2547)	1:168:A:LEU:HD13	1:82:A:LEU:HB2	2	1.42
(2,2216)	1:76:A:ILE:HG12	1:41:A:LYS:HG2	1	1.42
(2,2203)	1:4:A:THR:HG21	1:51:A:LEU:HD21	18	1.42
(2,2203)	1:4:A:THR:HG21	1:51:A:LEU:HD22	18	1.42
(2,2203)	1:4:A:THR:HG21	1:51:A:LEU:HD23	18	1.42
(2,2203)	1:4:A:THR:HG22	1:51:A:LEU:HD21	18	1.42
(2,2203)	1:4:A:THR:HG22	1:51:A:LEU:HD22	18	1.42
(2,2203)	1:4:A:THR:HG22	1:51:A:LEU:HD23	18	1.42
(2,2203)	1:4:A:THR:HG23	1:51:A:LEU:HD21	18	1.42
(2,2203)	1:4:A:THR:HG23	1:51:A:LEU:HD22	18	1.42
(2,2203)	1:4:A:THR:HG23	1:51:A:LEU:HD23	18	1.42
(2,2180)	1:161:A:VAL:HG11	1:162:A:LYS:HD2	18	1.42
(2,2180)	1:161:A:VAL:HG12	1:162:A:LYS:HD2	18	1.42
(2,2180)	1:161:A:VAL:HG13	1:162:A:LYS:HD2	18	1.42
(2,2091)	1:168:A:LEU:HB2	1:49:A:ILE:HG12	12	1.42
(2,1643)	1:44:A:LEU:HD21	1:73:A:LEU:HD21	13	1.42
(2,1643)	1:44:A:LEU:HD21	1:73:A:LEU:HD22	13	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1643)	1:44:A:LEU:HD21	1:73:A:LEU:HD23	13	1.42
(2,1643)	1:44:A:LEU:HD22	1:73:A:LEU:HD21	13	1.42
(2,1643)	1:44:A:LEU:HD22	1:73:A:LEU:HD22	13	1.42
(2,1643)	1:44:A:LEU:HD22	1:73:A:LEU:HD23	13	1.42
(2,1643)	1:44:A:LEU:HD23	1:73:A:LEU:HD21	13	1.42
(2,1643)	1:44:A:LEU:HD23	1:73:A:LEU:HD22	13	1.42
(2,1643)	1:44:A:LEU:HD23	1:73:A:LEU:HD23	13	1.42
(2,1429)	1:55:A:PRO:HB2	1:15:A:THR:HB	10	1.42
(2,1228)	1:38:A:LYS:HB2	1:38:A:LYS:HE3	5	1.42
(2,1209)	1:82:A:LEU:HD21	1:168:A:LEU:HA	15	1.42
(2,1209)	1:82:A:LEU:HD22	1:168:A:LEU:HA	15	1.42
(2,1209)	1:82:A:LEU:HD23	1:168:A:LEU:HA	15	1.42
(2,1180)	1:68:A:ASP:HB2	1:65:A:ASP:HA	1	1.42
(2,1180)	1:68:A:ASP:HB2	1:65:A:ASP:HA	12	1.42
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG11	9	1.42
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG12	9	1.42
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG13	9	1.42
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD1	9	1.42
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD2	9	1.42
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD1	9	1.42
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD2	9	1.42
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD1	9	1.42
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD2	9	1.42
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD1	16	1.42
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD2	16	1.42
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD1	16	1.42
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD2	16	1.42
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD1	16	1.42
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD2	16	1.42
(3,611)	1:148:A:ARG:HB2	1:146:A:GLU:H	17	1.41
(2,5345)	1:174:A:LEU:HG	1:175:A:ASN:HD22	16	1.41
(2,5338)	1:175:A:ASN:HD22	1:175:A:ASN:H	9	1.41
(2,5338)	1:175:A:ASN:HD22	1:175:A:ASN:H	17	1.41
(2,5338)	1:175:A:ASN:HD22	1:175:A:ASN:H	19	1.41
(2,5269)	1:167:A:GLU:HB3	1:164:A:ILE:H	8	1.41
(2,5189)	1:156:A:ARG:HG2	1:153:A:THR:H	13	1.41
(2,4953)	1:108:A:ILE:HG12	1:107:A:ASP:H	1	1.41
(2,4932)	1:106:A:ARG:HB2	1:104:A:THR:H	7	1.41
(2,4932)	1:106:A:ARG:HB2	1:104:A:THR:H	10	1.41
(2,4932)	1:106:A:ARG:HB2	1:104:A:THR:H	19	1.41
(2,4052)	1:38:A:LYS:HD2	1:38:A:LYS:H	5	1.41
(2,3783)	1:92:A:GLU:HG3	1:93:A:ASP:H	20	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3686)	1:160:A:TRP:HB2	1:162:A:LYS:H	2	1.41
(2,3686)	1:160:A:TRP:HB2	1:162:A:LYS:H	10	1.41
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD11	15	1.41
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD12	15	1.41
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD13	15	1.41
(2,3469)	1:165:A:SER:HB3	1:166:A:GLU:HG3	7	1.41
(2,3437)	1:170:A:LEU:HG	1:164:A:ILE:HA	7	1.41
(2,3062)	1:133:A:LEU:HD11	1:122:A:THR:HA	17	1.41
(2,3062)	1:133:A:LEU:HD12	1:122:A:THR:HA	17	1.41
(2,3062)	1:133:A:LEU:HD13	1:122:A:THR:HA	17	1.41
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD11	15	1.41
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD12	15	1.41
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD13	15	1.41
(2,2501)	1:162:A:LYS:HE2	1:158:A:GLU:HA	9	1.41
(2,2479)	1:30:A:VAL:HG11	1:173:A:ILE:HB	2	1.41
(2,2479)	1:30:A:VAL:HG12	1:173:A:ILE:HB	2	1.41
(2,2479)	1:30:A:VAL:HG13	1:173:A:ILE:HB	2	1.41
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG2	5	1.41
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG3	5	1.41
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD11	12	1.41
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD12	12	1.41
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD13	12	1.41
(2,1929)	1:82:A:LEU:HG	1:81:A:LYS:HA	15	1.41
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB1	19	1.41
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB2	19	1.41
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB3	19	1.41
(2,1509)	1:130:A:SER:H	1:128:A:GLU:HB3	2	1.41
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG11	2	1.41
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG12	2	1.41
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG13	2	1.41
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD11	3	1.41
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD12	3	1.41
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD13	3	1.41
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG21	14	1.41
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG22	14	1.41
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG23	14	1.41
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD1	4	1.41
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD2	4	1.41
(2,81)	1:105:A:ILE:HB	1:70:A:PHE:HZ	2	1.41
(2,81)	1:105:A:ILE:HB	1:70:A:PHE:HZ	14	1.41
(2,47)	1:94:A:TYR:HD1	2:201:A:FMN:H6	15	1.41
(3,165)	1:112:A:ARG:HB3	1:81:A:LYS:HD2	15	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5355)	1:142:A:LEU:HD11	1:120:A:TRP:HE1	2	1.4
(2,5355)	1:142:A:LEU:HD12	1:120:A:TRP:HE1	2	1.4
(2,5355)	1:142:A:LEU:HD13	1:120:A:TRP:HE1	2	1.4
(2,5338)	1:175:A:ASN:HD22	1:175:A:ASN:H	7	1.4
(2,5338)	1:175:A:ASN:HD22	1:175:A:ASN:H	8	1.4
(2,5338)	1:175:A:ASN:HD22	1:175:A:ASN:H	13	1.4
(2,5338)	1:175:A:ASN:HD22	1:175:A:ASN:H	14	1.4
(2,5286)	1:168:A:LEU:HD21	1:166:A:GLU:H	7	1.4
(2,5286)	1:168:A:LEU:HD22	1:166:A:GLU:H	7	1.4
(2,5286)	1:168:A:LEU:HD23	1:166:A:GLU:H	7	1.4
(2,5211)	1:152:A:LEU:HD21	1:156:A:ARG:H	6	1.4
(2,5211)	1:152:A:LEU:HD22	1:156:A:ARG:H	6	1.4
(2,5211)	1:152:A:LEU:HD23	1:156:A:ARG:H	6	1.4
(2,5166)	1:149:A:GLN:HG3	1:148:A:ARG:H	17	1.4
(2,4477)	1:26:A:LEU:HD21	1:25:A:GLN:H	2	1.4
(2,4477)	1:26:A:LEU:HD22	1:25:A:GLN:H	2	1.4
(2,4477)	1:26:A:LEU:HD23	1:25:A:GLN:H	2	1.4
(2,4071)	1:112:A:ARG:HD2	1:112:A:ARG:H	5	1.4
(2,3856)	1:42:A:GLU:HB3	1:43:A:ASP:H	3	1.4
(2,3783)	1:92:A:GLU:HG3	1:93:A:ASP:H	6	1.4
(2,3686)	1:160:A:TRP:HB2	1:162:A:LYS:H	18	1.4
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD21	4	1.4
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD22	4	1.4
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD23	4	1.4
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD21	20	1.4
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD22	20	1.4
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD23	20	1.4
(2,3437)	1:170:A:LEU:HG	1:164:A:ILE:HA	17	1.4
(2,3437)	1:170:A:LEU:HG	1:164:A:ILE:HA	18	1.4
(2,3299)	1:88:A:CYS:HB2	1:18:A:ILE:HG12	6	1.4
(2,3195)	1:102:A:LEU:HD11	1:139:A:PHE:HB2	6	1.4
(2,3195)	1:102:A:LEU:HD12	1:139:A:PHE:HB2	6	1.4
(2,3195)	1:102:A:LEU:HD13	1:139:A:PHE:HB2	6	1.4
(2,3195)	1:102:A:LEU:HD11	1:139:A:PHE:HB2	19	1.4
(2,3195)	1:102:A:LEU:HD12	1:139:A:PHE:HB2	19	1.4
(2,3195)	1:102:A:LEU:HD13	1:139:A:PHE:HB2	19	1.4
(2,3109)	1:125:A:TYR:HE1	1:128:A:GLU:HG2	20	1.4
(2,3109)	1:125:A:TYR:HE2	1:128:A:GLU:HG2	20	1.4
(2,2678)	1:96:A:GLU:HG2	1:94:A:TYR:HA	15	1.4
(2,2568)	1:168:A:LEU:H	1:82:A:LEU:HD21	6	1.4
(2,2568)	1:168:A:LEU:H	1:82:A:LEU:HD22	6	1.4
(2,2568)	1:168:A:LEU:H	1:82:A:LEU:HD23	6	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2275)	1:158:A:GLU:HG3	1:155:A:GLU:HA	7	1.4
(2,2275)	1:158:A:GLU:HG3	1:155:A:GLU:HA	9	1.4
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD21	11	1.4
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD22	11	1.4
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD23	11	1.4
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD11	14	1.4
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD12	14	1.4
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD13	14	1.4
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD11	14	1.4
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD12	14	1.4
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD13	14	1.4
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD11	14	1.4
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD12	14	1.4
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD13	14	1.4
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB1	4	1.4
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB2	4	1.4
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB3	4	1.4
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB1	19	1.4
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB2	19	1.4
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB3	19	1.4
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB2	4	1.4
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB2	4	1.4
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB2	4	1.4
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB3	4	1.4
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB3	4	1.4
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB3	4	1.4
(2,748)	1:155:A:GLU:HA	1:158:A:GLU:HG3	7	1.4
(2,748)	1:155:A:GLU:HA	1:158:A:GLU:HG3	9	1.4
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD11	2	1.4
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD12	2	1.4
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD13	2	1.4
(3,688)	1:92:A:GLU:HB3	1:91:A:GLN:HE21	20	1.39
(3,609)	1:157:A:VAL:HG11	1:144:A:ILE:H	18	1.39
(3,609)	1:157:A:VAL:HG12	1:144:A:ILE:H	18	1.39
(3,609)	1:157:A:VAL:HG13	1:144:A:ILE:H	18	1.39
(3,105)	1:64:A:CYS:HB2	1:37:A:ALA:HA	14	1.39
(2,5338)	1:175:A:ASN:HD22	1:175:A:ASN:H	2	1.39
(2,5338)	1:175:A:ASN:HD22	1:175:A:ASN:H	18	1.39
(2,5269)	1:167:A:GLU:HB3	1:164:A:ILE:H	9	1.39
(2,5189)	1:156:A:ARG:HG2	1:153:A:THR:H	5	1.39
(2,5148)	1:156:A:ARG:HG2	1:145:A:ASP:H	10	1.39
(2,4657)	1:50:A:LEU:HD11	1:51:A:LEU:H	3	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4657)	1:50:A:LEU:HD12	1:51:A:LEU:H	3	1.39
(2,4657)	1:50:A:LEU:HD13	1:51:A:LEU:H	3	1.39
(2,4449)	1:157:A:VAL:HG11	1:21:A:MET:H	16	1.39
(2,4449)	1:157:A:VAL:HG12	1:21:A:MET:H	16	1.39
(2,4449)	1:157:A:VAL:HG13	1:21:A:MET:H	16	1.39
(2,4071)	1:112:A:ARG:HD2	1:112:A:ARG:H	16	1.39
(2,4052)	1:38:A:LYS:HD2	1:38:A:LYS:H	17	1.39
(2,3856)	1:42:A:GLU:HB3	1:43:A:ASP:H	5	1.39
(2,3856)	1:42:A:GLU:HB3	1:43:A:ASP:H	12	1.39
(2,3686)	1:160:A:TRP:HB2	1:162:A:LYS:H	12	1.39
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	16	1.39
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	16	1.39
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	16	1.39
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	16	1.39
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	16	1.39
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	16	1.39
(2,3516)	1:175:A:ASN:HB2	1:172:A:GLU:HA	8	1.39
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD21	2	1.39
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD22	2	1.39
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD23	2	1.39
(2,3480)	1:82:A:LEU:HD21	1:168:A:LEU:HD21	14	1.39
(2,3480)	1:82:A:LEU:HD21	1:168:A:LEU:HD22	14	1.39
(2,3480)	1:82:A:LEU:HD21	1:168:A:LEU:HD23	14	1.39
(2,3480)	1:82:A:LEU:HD22	1:168:A:LEU:HD21	14	1.39
(2,3480)	1:82:A:LEU:HD22	1:168:A:LEU:HD22	14	1.39
(2,3480)	1:82:A:LEU:HD22	1:168:A:LEU:HD23	14	1.39
(2,3480)	1:82:A:LEU:HD23	1:168:A:LEU:HD21	14	1.39
(2,3480)	1:82:A:LEU:HD23	1:168:A:LEU:HD22	14	1.39
(2,3480)	1:82:A:LEU:HD23	1:168:A:LEU:HD23	14	1.39
(2,3469)	1:165:A:SER:HB3	1:166:A:GLU:HG3	10	1.39
(2,3469)	1:165:A:SER:HB3	1:166:A:GLU:HG3	17	1.39
(2,3374)	1:21:A:MET:H	1:157:A:VAL:HG11	16	1.39
(2,3374)	1:21:A:MET:H	1:157:A:VAL:HG12	16	1.39
(2,3374)	1:21:A:MET:H	1:157:A:VAL:HG13	16	1.39
(2,3289)	1:90:A:ASP:HB3	1:149:A:GLN:HA	16	1.39
(2,3062)	1:133:A:LEU:HD11	1:122:A:THR:HA	9	1.39
(2,3062)	1:133:A:LEU:HD12	1:122:A:THR:HA	9	1.39
(2,3062)	1:133:A:LEU:HD13	1:122:A:THR:HA	9	1.39
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD11	5	1.39
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD12	5	1.39
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD13	5	1.39
(2,2972)	1:81:A:LYS:HD3	1:114:A:ALA:HA	15	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2531)	1:50:A:LEU:HD21	1:81:A:LYS:HD2	1	1.39
(2,2531)	1:50:A:LEU:HD22	1:81:A:LYS:HD2	1	1.39
(2,2531)	1:50:A:LEU:HD23	1:81:A:LYS:HD2	1	1.39
(2,2460)	1:162:A:LYS:HE2	1:158:A:GLU:HG3	5	1.39
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD21	13	1.39
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD22	13	1.39
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD23	13	1.39
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB1	9	1.39
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB2	9	1.39
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB3	9	1.39
(2,1742)	1:30:A:VAL:HG11	1:29:A:ASP:HB2	19	1.39
(2,1742)	1:30:A:VAL:HG12	1:29:A:ASP:HB2	19	1.39
(2,1742)	1:30:A:VAL:HG13	1:29:A:ASP:HB2	19	1.39
(2,5338)	1:175:A:ASN:HD22	1:175:A:ASN:H	6	1.38
(2,5328)	1:173:A:ILE:HG12	1:172:A:GLU:H	3	1.38
(2,5269)	1:167:A:GLU:HB3	1:164:A:ILE:H	17	1.38
(2,4633)	1:3:A:ILE:HG12	1:48:A:ASP:H	7	1.38
(2,4117)	1:10:A:SER:HB3	1:13:A:GLY:H	1	1.38
(2,4071)	1:112:A:ARG:HD2	1:112:A:ARG:H	7	1.38
(2,4052)	1:38:A:LYS:HD2	1:38:A:LYS:H	19	1.38
(2,3934)	1:91:A:GLN:HG2	1:92:A:GLU:H	2	1.38
(2,3856)	1:42:A:GLU:HB3	1:43:A:ASP:H	2	1.38
(2,3686)	1:160:A:TRP:HB2	1:162:A:LYS:H	9	1.38
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD21	9	1.38
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD22	9	1.38
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD23	9	1.38
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD21	12	1.38
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD22	12	1.38
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD23	12	1.38
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB2	17	1.38
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB3	17	1.38
(2,2973)	1:150:A:PRO:HD3	1:144:A:ILE:HG21	15	1.38
(2,2973)	1:150:A:PRO:HD3	1:144:A:ILE:HG22	15	1.38
(2,2973)	1:150:A:PRO:HD3	1:144:A:ILE:HG23	15	1.38
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG3	5	1.38
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG2	5	1.38
(2,2564)	1:150:A:PRO:HA	1:144:A:ILE:HG12	5	1.38
(2,2547)	1:168:A:LEU:HD11	1:82:A:LEU:HB2	17	1.38
(2,2547)	1:168:A:LEU:HD12	1:82:A:LEU:HB2	17	1.38
(2,2547)	1:168:A:LEU:HD13	1:82:A:LEU:HB2	17	1.38
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG2	6	1.38
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG3	6	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD21	2	1.38
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD22	2	1.38
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD23	2	1.38
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD21	3	1.38
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD22	3	1.38
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD23	3	1.38
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD21	6	1.38
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD22	6	1.38
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD23	6	1.38
(2,2018)	1:7:A:PHE:HD1	1:44:A:LEU:HG	14	1.38
(2,2018)	1:7:A:PHE:HD2	1:44:A:LEU:HG	14	1.38
(2,1825)	1:148:A:ARG:HE	1:149:A:GLN:HG2	9	1.38
(2,1453)	1:20:A:LYS:HE2	1:16:A:GLU:HG2	11	1.38
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD21	20	1.38
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD22	20	1.38
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD23	20	1.38
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD21	20	1.38
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD22	20	1.38
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD23	20	1.38
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD21	20	1.38
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD22	20	1.38
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD23	20	1.38
(2,1131)	1:105:A:ILE:HG12	1:102:A:LEU:HA	2	1.38
(2,171)	1:52:A:LEU:HB2	1:66:A:TRP:HZ2	9	1.38
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD1	19	1.38
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD2	19	1.38
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD1	19	1.38
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD2	19	1.38
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD1	19	1.38
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD2	19	1.38
(3,533)	1:103:A:GLY:HA3	1:106:A:ARG:HE	10	1.37
(3,149)	1:66:A:TRP:HZ3	1:65:A:ASP:HB2	12	1.37
(2,4932)	1:106:A:ARG:HB2	1:104:A:THR:H	3	1.37
(2,4639)	1:82:A:LEU:HB3	1:49:A:ILE:H	8	1.37
(2,4633)	1:3:A:ILE:HG12	1:48:A:ASP:H	2	1.37
(2,4003)	1:76:A:ILE:HG12	1:75:A:GLU:H	16	1.37
(2,3686)	1:160:A:TRP:HB2	1:162:A:LYS:H	14	1.37
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD21	12	1.37
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD22	12	1.37
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD23	12	1.37
(2,3469)	1:165:A:SER:HB3	1:166:A:GLU:HG3	13	1.37
(2,3466)	1:170:A:LEU:HB3	1:165:A:SER:HB3	2	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3466)	1:170:A:LEU:HB3	1:165:A:SER:HB2	2	1.37
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD11	7	1.37
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD12	7	1.37
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD13	7	1.37
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD11	5	1.37
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD12	5	1.37
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD13	5	1.37
(2,2973)	1:150:A:PRO:HD3	1:144:A:ILE:HG21	5	1.37
(2,2973)	1:150:A:PRO:HD3	1:144:A:ILE:HG22	5	1.37
(2,2973)	1:150:A:PRO:HD3	1:144:A:ILE:HG23	5	1.37
(2,2891)	1:112:A:ARG:HD2	1:109:A:ILE:HA	5	1.37
(2,2842)	1:116:A:ILE:HG12	1:106:A:ARG:HD3	18	1.37
(2,2471)	1:45:A:GLU:HG3	1:76:A:ILE:HA	14	1.37
(2,2018)	1:7:A:PHE:HD1	1:44:A:LEU:HG	7	1.37
(2,2018)	1:7:A:PHE:HD2	1:44:A:LEU:HG	7	1.37
(2,2009)	1:39:A:SER:HB3	1:43:A:ASP:HB2	3	1.37
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB1	6	1.37
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB2	6	1.37
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB3	6	1.37
(2,1742)	1:30:A:VAL:HG11	1:29:A:ASP:HB2	3	1.37
(2,1742)	1:30:A:VAL:HG12	1:29:A:ASP:HB2	3	1.37
(2,1742)	1:30:A:VAL:HG13	1:29:A:ASP:HB2	3	1.37
(2,1717)	1:158:A:GLU:HG2	1:155:A:GLU:HA	20	1.37
(2,1526)	1:33:A:VAL:HB	1:20:A:LYS:HG3	8	1.37
(2,1314)	1:26:A:LEU:HG	1:4:A:THR:HB	13	1.37
(2,1204)	1:128:A:GLU:HB2	1:95:A:ALA:HA	4	1.37
(2,493)	1:69:A:PHE:HZ	1:44:A:LEU:HD11	15	1.37
(2,493)	1:69:A:PHE:HZ	1:44:A:LEU:HD12	15	1.37
(2,493)	1:69:A:PHE:HZ	1:44:A:LEU:HD13	15	1.37
(2,81)	1:105:A:ILE:HB	1:70:A:PHE:HZ	15	1.37
(2,5338)	1:175:A:ASN:HD22	1:175:A:ASN:H	16	1.36
(2,4477)	1:26:A:LEU:HD21	1:25:A:GLN:H	4	1.36
(2,4477)	1:26:A:LEU:HD22	1:25:A:GLN:H	4	1.36
(2,4477)	1:26:A:LEU:HD23	1:25:A:GLN:H	4	1.36
(2,4071)	1:112:A:ARG:HD2	1:112:A:ARG:H	2	1.36
(2,3965)	1:111:A:PRO:HD2	1:108:A:ILE:H	20	1.36
(2,3926)	1:44:A:LEU:HD11	1:44:A:LEU:H	14	1.36
(2,3926)	1:44:A:LEU:HD12	1:44:A:LEU:H	14	1.36
(2,3926)	1:44:A:LEU:HD13	1:44:A:LEU:H	14	1.36
(2,3856)	1:42:A:GLU:HB3	1:43:A:ASP:H	8	1.36
(2,3856)	1:42:A:GLU:HB3	1:43:A:ASP:H	17	1.36
(2,3856)	1:42:A:GLU:HB3	1:43:A:ASP:H	20	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3811)	1:128:A:GLU:HG2	1:128:A:GLU:H	15	1.36
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD21	10	1.36
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD22	10	1.36
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD23	10	1.36
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD21	20	1.36
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD22	20	1.36
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD23	20	1.36
(2,3195)	1:102:A:LEU:HD11	1:139:A:PHE:HB2	11	1.36
(2,3195)	1:102:A:LEU:HD12	1:139:A:PHE:HB2	11	1.36
(2,3195)	1:102:A:LEU:HD13	1:139:A:PHE:HB2	11	1.36
(2,2972)	1:81:A:LYS:HD3	1:114:A:ALA:HA	10	1.36
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG2	2	1.36
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG3	2	1.36
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD21	20	1.36
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD22	20	1.36
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD23	20	1.36
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB2	12	1.36
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB2	12	1.36
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB2	12	1.36
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB3	12	1.36
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB3	12	1.36
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB3	12	1.36
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD11	3	1.36
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD12	3	1.36
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD13	3	1.36
(2,1229)	1:16:A:GLU:HG3	1:20:A:LYS:HE3	7	1.36
(2,1203)	1:30:A:VAL:HG11	1:174:A:LEU:HA	3	1.36
(2,1203)	1:30:A:VAL:HG12	1:174:A:LEU:HA	3	1.36
(2,1203)	1:30:A:VAL:HG13	1:174:A:LEU:HA	3	1.36
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD11	20	1.36
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD12	20	1.36
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD13	20	1.36
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD11	20	1.36
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD12	20	1.36
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD13	20	1.36
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD11	20	1.36
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD12	20	1.36
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD13	20	1.36
(2,783)	1:76:A:ILE:HA	1:41:A:LYS:HD2	12	1.36
(2,492)	1:44:A:LEU:H	1:44:A:LEU:HD11	14	1.36
(2,492)	1:44:A:LEU:H	1:44:A:LEU:HD12	14	1.36
(2,492)	1:44:A:LEU:H	1:44:A:LEU:HD13	14	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE1	3	1.36
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE2	3	1.36
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE1	14	1.36
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE2	14	1.36
(2,81)	1:105:A:ILE:HB	1:70:A:PHE:HZ	6	1.36
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD1	12	1.35
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD2	12	1.35
(2,5286)	1:168:A:LEU:HD21	1:166:A:GLU:H	15	1.35
(2,5286)	1:168:A:LEU:HD22	1:166:A:GLU:H	15	1.35
(2,5286)	1:168:A:LEU:HD23	1:166:A:GLU:H	15	1.35
(2,5189)	1:156:A:ARG:HG2	1:153:A:THR:H	12	1.35
(2,4537)	1:38:A:LYS:HD2	1:35:A:ASP:H	4	1.35
(2,4449)	1:157:A:VAL:HG11	1:21:A:MET:H	19	1.35
(2,4449)	1:157:A:VAL:HG12	1:21:A:MET:H	19	1.35
(2,4449)	1:157:A:VAL:HG13	1:21:A:MET:H	19	1.35
(2,4052)	1:38:A:LYS:HD2	1:38:A:LYS:H	7	1.35
(2,4052)	1:38:A:LYS:HD2	1:38:A:LYS:H	12	1.35
(2,3783)	1:92:A:GLU:HG3	1:93:A:ASP:H	17	1.35
(2,3686)	1:160:A:TRP:HB2	1:162:A:LYS:H	1	1.35
(2,3686)	1:160:A:TRP:HB2	1:162:A:LYS:H	17	1.35
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	14	1.35
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	14	1.35
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	14	1.35
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	14	1.35
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	14	1.35
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	14	1.35
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD21	7	1.35
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD22	7	1.35
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD23	7	1.35
(2,3374)	1:21:A:MET:H	1:157:A:VAL:HG11	19	1.35
(2,3374)	1:21:A:MET:H	1:157:A:VAL:HG12	19	1.35
(2,3374)	1:21:A:MET:H	1:157:A:VAL:HG13	19	1.35
(2,3263)	1:146:A:GLU:H	1:144:A:ILE:HG12	4	1.35
(2,2501)	1:162:A:LYS:HE2	1:158:A:GLU:HA	2	1.35
(2,2473)	1:168:A:LEU:HD21	1:165:A:SER:HA	3	1.35
(2,2473)	1:168:A:LEU:HD22	1:165:A:SER:HA	3	1.35
(2,2473)	1:168:A:LEU:HD23	1:165:A:SER:HA	3	1.35
(2,2298)	1:41:A:LYS:HE3	1:75:A:GLU:HG3	10	1.35
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB2	6	1.35
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB2	6	1.35
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB2	6	1.35
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB3	6	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB3	6	1.35
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB3	6	1.35
(2,1660)	1:25:A:GLN:HE22	1:162:A:LYS:HE2	4	1.35
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD11	20	1.35
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD12	20	1.35
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD13	20	1.35
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD11	4	1.35
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD12	4	1.35
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD13	4	1.35
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD11	4	1.35
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD12	4	1.35
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD13	4	1.35
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD11	4	1.35
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD12	4	1.35
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD13	4	1.35
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD1	5	1.35
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD2	5	1.35
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD1	5	1.35
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD2	5	1.35
(2,81)	1:105:A:ILE:HB	1:70:A:PHE:HZ	4	1.35
(2,5286)	1:168:A:LEU:HD21	1:166:A:GLU:H	18	1.34
(2,5286)	1:168:A:LEU:HD22	1:166:A:GLU:H	18	1.34
(2,5286)	1:168:A:LEU:HD23	1:166:A:GLU:H	18	1.34
(2,5269)	1:167:A:GLU:HB3	1:164:A:ILE:H	15	1.34
(2,5166)	1:149:A:GLN:HG3	1:148:A:ARG:H	16	1.34
(2,4633)	1:3:A:ILE:HG12	1:48:A:ASP:H	14	1.34
(2,4509)	1:28:A:LYS:HG3	1:30:A:VAL:H	16	1.34
(2,3686)	1:160:A:TRP:HB2	1:162:A:LYS:H	15	1.34
(2,3469)	1:165:A:SER:HB3	1:166:A:GLU:HG3	2	1.34
(2,3289)	1:90:A:ASP:HB3	1:149:A:GLN:HA	12	1.34
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD11	9	1.34
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD12	9	1.34
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD13	9	1.34
(2,3195)	1:102:A:LEU:HD11	1:139:A:PHE:HB2	17	1.34
(2,3195)	1:102:A:LEU:HD12	1:139:A:PHE:HB2	17	1.34
(2,3195)	1:102:A:LEU:HD13	1:139:A:PHE:HB2	17	1.34
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD11	9	1.34
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD12	9	1.34
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD13	9	1.34
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG3	13	1.34
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG2	13	1.34
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD21	16	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD22	16	1.34
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD23	16	1.34
(2,2175)	1:168:A:LEU:HD11	1:82:A:LEU:HB3	12	1.34
(2,2175)	1:168:A:LEU:HD12	1:82:A:LEU:HB3	12	1.34
(2,2175)	1:168:A:LEU:HD13	1:82:A:LEU:HB3	12	1.34
(2,1742)	1:30:A:VAL:HG11	1:29:A:ASP:HB2	16	1.34
(2,1742)	1:30:A:VAL:HG12	1:29:A:ASP:HB2	16	1.34
(2,1742)	1:30:A:VAL:HG13	1:29:A:ASP:HB2	16	1.34
(2,1721)	1:24:A:LYS:HE2	1:28:A:LYS:HB2	18	1.34
(2,1643)	1:44:A:LEU:HD21	1:73:A:LEU:HD21	5	1.34
(2,1643)	1:44:A:LEU:HD21	1:73:A:LEU:HD22	5	1.34
(2,1643)	1:44:A:LEU:HD21	1:73:A:LEU:HD23	5	1.34
(2,1643)	1:44:A:LEU:HD22	1:73:A:LEU:HD21	5	1.34
(2,1643)	1:44:A:LEU:HD22	1:73:A:LEU:HD22	5	1.34
(2,1643)	1:44:A:LEU:HD22	1:73:A:LEU:HD23	5	1.34
(2,1643)	1:44:A:LEU:HD23	1:73:A:LEU:HD21	5	1.34
(2,1643)	1:44:A:LEU:HD23	1:73:A:LEU:HD22	5	1.34
(2,1643)	1:44:A:LEU:HD23	1:73:A:LEU:HD23	5	1.34
(2,1229)	1:16:A:GLU:HG3	1:20:A:LYS:HE3	5	1.34
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD11	1	1.34
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD12	1	1.34
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD13	1	1.34
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD11	1	1.34
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD12	1	1.34
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD13	1	1.34
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD11	1	1.34
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD12	1	1.34
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD13	1	1.34
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG11	15	1.34
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG12	15	1.34
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG13	15	1.34
(3,149)	1:66:A:TRP:HZ3	1:65:A:ASP:HB2	6	1.33
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD1	13	1.33
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD2	13	1.33
(2,5345)	1:174:A:LEU:HG	1:175:A:ASN:HD22	5	1.33
(2,5286)	1:168:A:LEU:HD21	1:166:A:GLU:H	2	1.33
(2,5286)	1:168:A:LEU:HD22	1:166:A:GLU:H	2	1.33
(2,5286)	1:168:A:LEU:HD23	1:166:A:GLU:H	2	1.33
(2,5112)	1:133:A:LEU:HD11	1:140:A:VAL:H	15	1.33
(2,5112)	1:133:A:LEU:HD12	1:140:A:VAL:H	15	1.33
(2,5112)	1:133:A:LEU:HD13	1:140:A:VAL:H	15	1.33
(2,4477)	1:26:A:LEU:HD21	1:25:A:GLN:H	5	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4477)	1:26:A:LEU:HD22	1:25:A:GLN:H	5	1.33
(2,4477)	1:26:A:LEU:HD23	1:25:A:GLN:H	5	1.33
(2,3686)	1:160:A:TRP:HB2	1:162:A:LYS:H	16	1.33
(2,3513)	1:172:A:GLU:HG2	1:171:A:ASP:HB2	13	1.33
(2,3469)	1:165:A:SER:HB3	1:166:A:GLU:HG3	9	1.33
(2,3396)	1:162:A:LYS:HG2	1:158:A:GLU:HA	8	1.33
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD11	6	1.33
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD12	6	1.33
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD13	6	1.33
(2,3145)	1:158:A:GLU:HA	1:162:A:LYS:HG2	8	1.33
(2,2972)	1:81:A:LYS:HD3	1:114:A:ALA:HA	18	1.33
(2,2547)	1:168:A:LEU:HD11	1:82:A:LEU:HB2	16	1.33
(2,2547)	1:168:A:LEU:HD12	1:82:A:LEU:HB2	16	1.33
(2,2547)	1:168:A:LEU:HD13	1:82:A:LEU:HB2	16	1.33
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD21	15	1.33
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD22	15	1.33
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD23	15	1.33
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD11	7	1.33
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD12	7	1.33
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD13	7	1.33
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD11	7	1.33
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD12	7	1.33
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD13	7	1.33
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD11	7	1.33
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD12	7	1.33
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD13	7	1.33
(2,2175)	1:168:A:LEU:HD11	1:82:A:LEU:HB3	18	1.33
(2,2175)	1:168:A:LEU:HD12	1:82:A:LEU:HB3	18	1.33
(2,2175)	1:168:A:LEU:HD13	1:82:A:LEU:HB3	18	1.33
(2,1742)	1:30:A:VAL:HG11	1:29:A:ASP:HB2	12	1.33
(2,1742)	1:30:A:VAL:HG12	1:29:A:ASP:HB2	12	1.33
(2,1742)	1:30:A:VAL:HG13	1:29:A:ASP:HB2	12	1.33
(2,1742)	1:30:A:VAL:HG11	1:29:A:ASP:HB2	17	1.33
(2,1742)	1:30:A:VAL:HG12	1:29:A:ASP:HB2	17	1.33
(2,1742)	1:30:A:VAL:HG13	1:29:A:ASP:HB2	17	1.33
(2,1643)	1:44:A:LEU:HD21	1:73:A:LEU:HD21	14	1.33
(2,1643)	1:44:A:LEU:HD21	1:73:A:LEU:HD22	14	1.33
(2,1643)	1:44:A:LEU:HD21	1:73:A:LEU:HD23	14	1.33
(2,1643)	1:44:A:LEU:HD22	1:73:A:LEU:HD21	14	1.33
(2,1643)	1:44:A:LEU:HD22	1:73:A:LEU:HD22	14	1.33
(2,1643)	1:44:A:LEU:HD22	1:73:A:LEU:HD23	14	1.33
(2,1643)	1:44:A:LEU:HD23	1:73:A:LEU:HD21	14	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1643)	1:44:A:LEU:HD23	1:73:A:LEU:HD22	14	1.33
(2,1643)	1:44:A:LEU:HD23	1:73:A:LEU:HD23	14	1.33
(2,1229)	1:16:A:GLU:HG3	1:20:A:LYS:HE3	11	1.33
(2,1209)	1:82:A:LEU:HD21	1:168:A:LEU:HA	16	1.33
(2,1209)	1:82:A:LEU:HD22	1:168:A:LEU:HA	16	1.33
(2,1209)	1:82:A:LEU:HD23	1:168:A:LEU:HA	16	1.33
(2,1131)	1:105:A:ILE:HG12	1:102:A:LEU:HA	15	1.33
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD11	17	1.33
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD12	17	1.33
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD13	17	1.33
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD11	17	1.33
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD12	17	1.33
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD13	17	1.33
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD11	17	1.33
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD12	17	1.33
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD13	17	1.33
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	10	1.33
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	10	1.33
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	10	1.33
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD1	18	1.33
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD2	18	1.33
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD1	18	1.33
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD2	18	1.33
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE1	17	1.33
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE2	17	1.33
(3,165)	1:112:A:ARG:HB3	1:81:A:LYS:HD2	16	1.32
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD1	15	1.32
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD2	15	1.32
(2,5286)	1:168:A:LEU:HD21	1:166:A:GLU:H	12	1.32
(2,5286)	1:168:A:LEU:HD22	1:166:A:GLU:H	12	1.32
(2,5286)	1:168:A:LEU:HD23	1:166:A:GLU:H	12	1.32
(2,5269)	1:167:A:GLU:HB3	1:164:A:ILE:H	16	1.32
(2,4901)	1:128:A:GLU:HB2	1:98:A:PHE:H	15	1.32
(2,4879)	1:91:A:GLN:HG2	1:95:A:ALA:H	6	1.32
(2,4493)	1:26:A:LEU:HD11	1:26:A:LEU:H	11	1.32
(2,4493)	1:26:A:LEU:HD12	1:26:A:LEU:H	11	1.32
(2,4493)	1:26:A:LEU:HD13	1:26:A:LEU:H	11	1.32
(2,4493)	1:26:A:LEU:HD11	1:26:A:LEU:H	12	1.32
(2,4493)	1:26:A:LEU:HD12	1:26:A:LEU:H	12	1.32
(2,4493)	1:26:A:LEU:HD13	1:26:A:LEU:H	12	1.32
(2,3965)	1:111:A:PRO:HD2	1:108:A:ILE:H	10	1.32
(2,3926)	1:44:A:LEU:HD11	1:44:A:LEU:H	13	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3926)	1:44:A:LEU:HD12	1:44:A:LEU:H	13	1.32
(2,3926)	1:44:A:LEU:HD13	1:44:A:LEU:H	13	1.32
(2,3884)	1:26:A:LEU:HD11	1:26:A:LEU:H	11	1.32
(2,3884)	1:26:A:LEU:HD12	1:26:A:LEU:H	11	1.32
(2,3884)	1:26:A:LEU:HD13	1:26:A:LEU:H	11	1.32
(2,3884)	1:26:A:LEU:HD11	1:26:A:LEU:H	12	1.32
(2,3884)	1:26:A:LEU:HD12	1:26:A:LEU:H	12	1.32
(2,3884)	1:26:A:LEU:HD13	1:26:A:LEU:H	12	1.32
(2,3686)	1:160:A:TRP:HB2	1:162:A:LYS:H	11	1.32
(2,3686)	1:160:A:TRP:HB2	1:162:A:LYS:H	20	1.32
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD11	10	1.32
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD12	10	1.32
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD13	10	1.32
(2,3482)	1:82:A:LEU:HB2	1:168:A:LEU:HD21	14	1.32
(2,3482)	1:82:A:LEU:HB2	1:168:A:LEU:HD22	14	1.32
(2,3482)	1:82:A:LEU:HB2	1:168:A:LEU:HD23	14	1.32
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD11	13	1.32
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD12	13	1.32
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD13	13	1.32
(2,3195)	1:102:A:LEU:HD11	1:139:A:PHE:HB2	2	1.32
(2,3195)	1:102:A:LEU:HD12	1:139:A:PHE:HB2	2	1.32
(2,3195)	1:102:A:LEU:HD13	1:139:A:PHE:HB2	2	1.32
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD11	17	1.32
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD12	17	1.32
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD13	17	1.32
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB1	5	1.32
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB2	5	1.32
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB3	5	1.32
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG2	18	1.32
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG3	18	1.32
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD21	8	1.32
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD22	8	1.32
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD23	8	1.32
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD11	13	1.32
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD12	13	1.32
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD13	13	1.32
(2,2018)	1:7:A:PHE:HD1	1:44:A:LEU:HG	13	1.32
(2,2018)	1:7:A:PHE:HD2	1:44:A:LEU:HG	13	1.32
(2,1825)	1:148:A:ARG:HE	1:149:A:GLN:HG2	6	1.32
(2,1742)	1:30:A:VAL:HG11	1:29:A:ASP:HB2	5	1.32
(2,1742)	1:30:A:VAL:HG12	1:29:A:ASP:HB2	5	1.32
(2,1742)	1:30:A:VAL:HG13	1:29:A:ASP:HB2	5	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1509)	1:130:A:SER:H	1:128:A:GLU:HB3	18	1.32
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD21	9	1.32
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD22	9	1.32
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD23	9	1.32
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD21	9	1.32
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD22	9	1.32
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD23	9	1.32
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD21	9	1.32
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD22	9	1.32
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD23	9	1.32
(2,1180)	1:68:A:ASP:HB2	1:65:A:ASP:HA	18	1.32
(2,816)	1:165:A:SER:HA	1:26:A:LEU:HG	19	1.32
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD11	6	1.32
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD12	6	1.32
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD13	6	1.32
(2,492)	1:44:A:LEU:H	1:44:A:LEU:HD11	13	1.32
(2,492)	1:44:A:LEU:H	1:44:A:LEU:HD12	13	1.32
(2,492)	1:44:A:LEU:H	1:44:A:LEU:HD13	13	1.32
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD1	17	1.32
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD2	17	1.32
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD1	17	1.32
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD2	17	1.32
(3,609)	1:157:A:VAL:HG11	1:144:A:ILE:H	17	1.31
(3,609)	1:157:A:VAL:HG12	1:144:A:ILE:H	17	1.31
(3,609)	1:157:A:VAL:HG13	1:144:A:ILE:H	17	1.31
(3,533)	1:103:A:GLY:HA3	1:106:A:ARG:HE	20	1.31
(3,149)	1:66:A:TRP:HZ3	1:65:A:ASP:HB2	3	1.31
(2,5355)	1:142:A:LEU:HD11	1:120:A:TRP:HE1	8	1.31
(2,5355)	1:142:A:LEU:HD12	1:120:A:TRP:HE1	8	1.31
(2,5355)	1:142:A:LEU:HD13	1:120:A:TRP:HE1	8	1.31
(2,4493)	1:26:A:LEU:HD11	1:26:A:LEU:H	8	1.31
(2,4493)	1:26:A:LEU:HD12	1:26:A:LEU:H	8	1.31
(2,4493)	1:26:A:LEU:HD13	1:26:A:LEU:H	8	1.31
(2,4359)	1:49:A:ILE:HG12	1:5:A:GLY:H	1	1.31
(2,4359)	1:49:A:ILE:HG12	1:5:A:GLY:H	4	1.31
(2,4359)	1:49:A:ILE:HG12	1:5:A:GLY:H	19	1.31
(2,3884)	1:26:A:LEU:HD11	1:26:A:LEU:H	8	1.31
(2,3884)	1:26:A:LEU:HD12	1:26:A:LEU:H	8	1.31
(2,3884)	1:26:A:LEU:HD13	1:26:A:LEU:H	8	1.31
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD21	14	1.31
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD22	14	1.31
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD23	14	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD21	9	1.31
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD22	9	1.31
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD23	9	1.31
(2,3469)	1:165:A:SER:HB3	1:166:A:GLU:HG3	14	1.31
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD11	4	1.31
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD12	4	1.31
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD13	4	1.31
(2,2972)	1:81:A:LYS:HD3	1:114:A:ALA:HA	14	1.31
(2,2547)	1:168:A:LEU:HD11	1:82:A:LEU:HB2	1	1.31
(2,2547)	1:168:A:LEU:HD12	1:82:A:LEU:HB2	1	1.31
(2,2547)	1:168:A:LEU:HD13	1:82:A:LEU:HB2	1	1.31
(2,2501)	1:162:A:LYS:HE2	1:158:A:GLU:HA	10	1.31
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG21	15	1.31
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG22	15	1.31
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG23	15	1.31
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG21	15	1.31
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG22	15	1.31
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG23	15	1.31
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG21	15	1.31
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG22	15	1.31
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG23	15	1.31
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD21	19	1.31
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD22	19	1.31
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD23	19	1.31
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB3	18	1.31
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB2	18	1.31
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD21	5	1.31
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD22	5	1.31
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD23	5	1.31
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD21	5	1.31
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD22	5	1.31
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD23	5	1.31
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD21	5	1.31
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD22	5	1.31
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD23	5	1.31
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG21	3	1.31
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG22	3	1.31
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG23	3	1.31
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD11	11	1.31
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD12	11	1.31
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD13	11	1.31
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD11	11	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD12	11	1.31
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD13	11	1.31
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD11	11	1.31
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD12	11	1.31
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD13	11	1.31
(2,963)	1:157:A:VAL:HG21	1:142:A:LEU:HG	3	1.31
(2,963)	1:157:A:VAL:HG22	1:142:A:LEU:HG	3	1.31
(2,963)	1:157:A:VAL:HG23	1:142:A:LEU:HG	3	1.31
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD11	5	1.31
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD12	5	1.31
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD13	5	1.31
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD11	8	1.31
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD12	8	1.31
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD13	8	1.31
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE1	14	1.31
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE2	14	1.31
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE1	14	1.31
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE2	14	1.31
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE1	14	1.31
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE2	14	1.31
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE1	13	1.31
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE2	13	1.31
(3,441)	1:112:A:ARG:HD3	1:74:A:GLU:H	2	1.3
(3,149)	1:66:A:TRP:HZ3	1:65:A:ASP:HB2	19	1.3
(3,35)	1:158:A:GLU:H	1:120:A:TRP:HZ2	4	1.3
(2,5166)	1:149:A:GLN:HG3	1:148:A:ARG:H	7	1.3
(2,4932)	1:106:A:ARG:HB2	1:104:A:THR:H	4	1.3
(2,4932)	1:106:A:ARG:HB2	1:104:A:THR:H	13	1.3
(2,4639)	1:82:A:LEU:HB3	1:49:A:ILE:H	7	1.3
(2,4493)	1:26:A:LEU:HD11	1:26:A:LEU:H	14	1.3
(2,4493)	1:26:A:LEU:HD12	1:26:A:LEU:H	14	1.3
(2,4493)	1:26:A:LEU:HD13	1:26:A:LEU:H	14	1.3
(2,4477)	1:26:A:LEU:HD21	1:25:A:GLN:H	16	1.3
(2,4477)	1:26:A:LEU:HD22	1:25:A:GLN:H	16	1.3
(2,4477)	1:26:A:LEU:HD23	1:25:A:GLN:H	16	1.3
(2,3884)	1:26:A:LEU:HD11	1:26:A:LEU:H	14	1.3
(2,3884)	1:26:A:LEU:HD12	1:26:A:LEU:H	14	1.3
(2,3884)	1:26:A:LEU:HD13	1:26:A:LEU:H	14	1.3
(2,3686)	1:160:A:TRP:HB2	1:162:A:LYS:H	6	1.3
(2,3686)	1:160:A:TRP:HB2	1:162:A:LYS:H	13	1.3
(2,3686)	1:160:A:TRP:HB2	1:162:A:LYS:H	19	1.3
(2,3437)	1:170:A:LEU:HG	1:164:A:ILE:HA	4	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3429)	1:155:A:GLU:HG2	1:159:A:LYS:HE2	13	1.3
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD11	10	1.3
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD12	10	1.3
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD13	10	1.3
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD11	4	1.3
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD12	4	1.3
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD13	4	1.3
(2,3062)	1:133:A:LEU:HD11	1:122:A:THR:HA	6	1.3
(2,3062)	1:133:A:LEU:HD12	1:122:A:THR:HA	6	1.3
(2,3062)	1:133:A:LEU:HD13	1:122:A:THR:HA	6	1.3
(2,3062)	1:133:A:LEU:HD11	1:122:A:THR:HA	8	1.3
(2,3062)	1:133:A:LEU:HD12	1:122:A:THR:HA	8	1.3
(2,3062)	1:133:A:LEU:HD13	1:122:A:THR:HA	8	1.3
(2,2891)	1:112:A:ARG:HD2	1:109:A:ILE:HA	16	1.3
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB1	14	1.3
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB2	14	1.3
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB3	14	1.3
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB1	16	1.3
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB2	16	1.3
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB3	16	1.3
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD11	12	1.3
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD12	12	1.3
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD13	12	1.3
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD11	12	1.3
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD12	12	1.3
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD13	12	1.3
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD11	12	1.3
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD12	12	1.3
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD13	12	1.3
(2,2180)	1:161:A:VAL:HG11	1:162:A:LYS:HD2	7	1.3
(2,2180)	1:161:A:VAL:HG12	1:162:A:LYS:HD2	7	1.3
(2,2180)	1:161:A:VAL:HG13	1:162:A:LYS:HD2	7	1.3
(2,2091)	1:168:A:LEU:HB2	1:49:A:ILE:HG12	8	1.3
(2,2018)	1:7:A:PHE:HD1	1:44:A:LEU:HG	5	1.3
(2,2018)	1:7:A:PHE:HD2	1:44:A:LEU:HG	5	1.3
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB2	9	1.3
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB2	9	1.3
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB2	9	1.3
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB3	9	1.3
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB3	9	1.3
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB3	9	1.3
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB2	13	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB2	13	1.3
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB2	13	1.3
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB3	13	1.3
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB3	13	1.3
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB3	13	1.3
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG21	4	1.3
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG22	4	1.3
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG23	4	1.3
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD11	2	1.3
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD12	2	1.3
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD13	2	1.3
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD11	2	1.3
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD12	2	1.3
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD13	2	1.3
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD11	2	1.3
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD12	2	1.3
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD13	2	1.3
(2,963)	1:157:A:VAL:HG21	1:142:A:LEU:HG	4	1.3
(2,963)	1:157:A:VAL:HG22	1:142:A:LEU:HG	4	1.3
(2,963)	1:157:A:VAL:HG23	1:142:A:LEU:HG	4	1.3
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD11	19	1.3
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD12	19	1.3
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD13	19	1.3
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD1	7	1.3
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD2	7	1.3
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD1	7	1.3
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD2	7	1.3
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE1	9	1.3
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE2	9	1.3
(2,81)	1:105:A:ILE:HB	1:70:A:PHE:HZ	10	1.3
(2,81)	1:105:A:ILE:HB	1:70:A:PHE:HZ	11	1.3
(3,310)	1:18:A:ILE:HG12	1:55:A:PRO:HD3	16	1.29
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD11	13	1.29
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD12	13	1.29
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD13	13	1.29
(2,5286)	1:168:A:LEU:HD21	1:166:A:GLU:H	4	1.29
(2,5286)	1:168:A:LEU:HD22	1:166:A:GLU:H	4	1.29
(2,5286)	1:168:A:LEU:HD23	1:166:A:GLU:H	4	1.29
(2,5286)	1:168:A:LEU:HD21	1:166:A:GLU:H	8	1.29
(2,5286)	1:168:A:LEU:HD22	1:166:A:GLU:H	8	1.29
(2,5286)	1:168:A:LEU:HD23	1:166:A:GLU:H	8	1.29
(2,5269)	1:167:A:GLU:HB3	1:164:A:ILE:H	19	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5100)	1:133:A:LEU:HB2	1:138:A:HIS:H	5	1.29
(2,4477)	1:26:A:LEU:HD21	1:25:A:GLN:H	10	1.29
(2,4477)	1:26:A:LEU:HD22	1:25:A:GLN:H	10	1.29
(2,4477)	1:26:A:LEU:HD23	1:25:A:GLN:H	10	1.29
(2,4477)	1:26:A:LEU:HD21	1:25:A:GLN:H	20	1.29
(2,4477)	1:26:A:LEU:HD22	1:25:A:GLN:H	20	1.29
(2,4477)	1:26:A:LEU:HD23	1:25:A:GLN:H	20	1.29
(2,3686)	1:160:A:TRP:HB2	1:162:A:LYS:H	3	1.29
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	20	1.29
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	20	1.29
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	20	1.29
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	20	1.29
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	20	1.29
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	20	1.29
(2,3493)	1:172:A:GLU:HG2	1:169:A:HIS:HB2	18	1.29
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD21	17	1.29
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD22	17	1.29
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD23	17	1.29
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD21	8	1.29
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD22	8	1.29
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD23	8	1.29
(2,3480)	1:82:A:LEU:HD21	1:168:A:LEU:HD21	6	1.29
(2,3480)	1:82:A:LEU:HD21	1:168:A:LEU:HD22	6	1.29
(2,3480)	1:82:A:LEU:HD21	1:168:A:LEU:HD23	6	1.29
(2,3480)	1:82:A:LEU:HD22	1:168:A:LEU:HD21	6	1.29
(2,3480)	1:82:A:LEU:HD22	1:168:A:LEU:HD22	6	1.29
(2,3480)	1:82:A:LEU:HD22	1:168:A:LEU:HD23	6	1.29
(2,3480)	1:82:A:LEU:HD23	1:168:A:LEU:HD21	6	1.29
(2,3480)	1:82:A:LEU:HD23	1:168:A:LEU:HD22	6	1.29
(2,3480)	1:82:A:LEU:HD23	1:168:A:LEU:HD23	6	1.29
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD11	14	1.29
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD12	14	1.29
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD13	14	1.29
(2,3118)	1:92:A:GLU:HG2	1:148:A:ARG:HA	5	1.29
(2,2972)	1:81:A:LYS:HD3	1:114:A:ALA:HA	17	1.29
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB1	17	1.29
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB2	17	1.29
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB3	17	1.29
(2,2180)	1:161:A:VAL:HG11	1:162:A:LYS:HD2	17	1.29
(2,2180)	1:161:A:VAL:HG12	1:162:A:LYS:HD2	17	1.29
(2,2180)	1:161:A:VAL:HG13	1:162:A:LYS:HD2	17	1.29
(2,2080)	1:82:A:LEU:HD21	1:49:A:ILE:HA	15	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2080)	1:82:A:LEU:HD22	1:49:A:ILE:HA	15	1.29
(2,2080)	1:82:A:LEU:HD23	1:49:A:ILE:HA	15	1.29
(2,2080)	1:82:A:LEU:HD21	1:49:A:ILE:HA	18	1.29
(2,2080)	1:82:A:LEU:HD22	1:49:A:ILE:HA	18	1.29
(2,2080)	1:82:A:LEU:HD23	1:49:A:ILE:HA	18	1.29
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB1	15	1.29
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB2	15	1.29
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB3	15	1.29
(2,1576)	1:25:A:GLN:HG2	1:22:A:ILE:HA	1	1.29
(2,1229)	1:16:A:GLU:HG3	1:20:A:LYS:HE3	13	1.29
(2,1204)	1:128:A:GLU:HB2	1:95:A:ALA:HA	14	1.29
(2,525)	1:86:A:PHE:HD1	1:142:A:LEU:HG	2	1.29
(2,525)	1:86:A:PHE:HD2	1:142:A:LEU:HG	2	1.29
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD1	2	1.29
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD2	2	1.29
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD1	2	1.29
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD2	2	1.29
(3,688)	1:92:A:GLU:HB3	1:91:A:GLN:HE21	15	1.28
(3,310)	1:18:A:ILE:HG12	1:55:A:PRO:HD3	7	1.28
(2,5211)	1:152:A:LEU:HD21	1:156:A:ARG:H	15	1.28
(2,5211)	1:152:A:LEU:HD22	1:156:A:ARG:H	15	1.28
(2,5211)	1:152:A:LEU:HD23	1:156:A:ARG:H	15	1.28
(2,5112)	1:133:A:LEU:HD11	1:140:A:VAL:H	8	1.28
(2,5112)	1:133:A:LEU:HD12	1:140:A:VAL:H	8	1.28
(2,5112)	1:133:A:LEU:HD13	1:140:A:VAL:H	8	1.28
(2,5112)	1:133:A:LEU:HD11	1:140:A:VAL:H	17	1.28
(2,5112)	1:133:A:LEU:HD12	1:140:A:VAL:H	17	1.28
(2,5112)	1:133:A:LEU:HD13	1:140:A:VAL:H	17	1.28
(2,3856)	1:42:A:GLU:HB3	1:43:A:ASP:H	9	1.28
(2,3686)	1:160:A:TRP:HB2	1:162:A:LYS:H	5	1.28
(2,3516)	1:175:A:ASN:HB2	1:172:A:GLU:HA	7	1.28
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD21	15	1.28
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD22	15	1.28
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD23	15	1.28
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD21	15	1.28
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD22	15	1.28
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD23	15	1.28
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD21	15	1.28
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD22	15	1.28
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD23	15	1.28
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD21	1	1.28
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD22	1	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD23	1	1.28
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD21	16	1.28
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD22	16	1.28
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD23	16	1.28
(2,3396)	1:162:A:LYS:HG2	1:158:A:GLU:HA	12	1.28
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD11	1	1.28
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD12	1	1.28
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD13	1	1.28
(2,3145)	1:158:A:GLU:HA	1:162:A:LYS:HG2	12	1.28
(2,2985)	1:163:A:GLN:HG2	1:160:A:TRP:HA	19	1.28
(2,2972)	1:81:A:LYS:HD3	1:114:A:ALA:HA	13	1.28
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB1	13	1.28
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB2	13	1.28
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB3	13	1.28
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB1	18	1.28
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB2	18	1.28
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB3	18	1.28
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB1	19	1.28
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB2	19	1.28
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB3	19	1.28
(2,2547)	1:168:A:LEU:HD11	1:82:A:LEU:HB2	12	1.28
(2,2547)	1:168:A:LEU:HD12	1:82:A:LEU:HB2	12	1.28
(2,2547)	1:168:A:LEU:HD13	1:82:A:LEU:HB2	12	1.28
(2,2461)	1:74:A:GLU:HG2	1:75:A:GLU:HG3	10	1.28
(2,2275)	1:158:A:GLU:HG3	1:155:A:GLU:HA	13	1.28
(2,1742)	1:30:A:VAL:HG11	1:29:A:ASP:HB2	15	1.28
(2,1742)	1:30:A:VAL:HG12	1:29:A:ASP:HB2	15	1.28
(2,1742)	1:30:A:VAL:HG13	1:29:A:ASP:HB2	15	1.28
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB2	8	1.28
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB2	8	1.28
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB2	8	1.28
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB3	8	1.28
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB3	8	1.28
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB3	8	1.28
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD11	11	1.28
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD12	11	1.28
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD13	11	1.28
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD11	11	1.28
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD12	11	1.28
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD13	11	1.28
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD11	11	1.28
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD12	11	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD13	11	1.28
(2,1429)	1:55:A:PRO:HB2	1:15:A:THR:HB	14	1.28
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD11	17	1.28
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD12	17	1.28
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD13	17	1.28
(2,748)	1:155:A:GLU:HA	1:158:A:GLU:HG3	13	1.28
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG11	3	1.28
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG12	3	1.28
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG13	3	1.28
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG11	6	1.28
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG12	6	1.28
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG13	6	1.28
(2,493)	1:69:A:PHE:HZ	1:44:A:LEU:HD11	7	1.28
(2,493)	1:69:A:PHE:HZ	1:44:A:LEU:HD12	7	1.28
(2,493)	1:69:A:PHE:HZ	1:44:A:LEU:HD13	7	1.28
(2,5269)	1:167:A:GLU:HB3	1:164:A:ILE:H	12	1.27
(2,5177)	1:146:A:GLU:HB2	1:151:A:GLU:H	13	1.27
(2,4932)	1:106:A:ARG:HB2	1:104:A:THR:H	5	1.27
(2,4537)	1:38:A:LYS:HD2	1:35:A:ASP:H	3	1.27
(2,4435)	1:20:A:LYS:HD2	1:19:A:ALA:H	18	1.27
(2,4358)	1:50:A:LEU:HD11	1:5:A:GLY:H	8	1.27
(2,4358)	1:50:A:LEU:HD12	1:5:A:GLY:H	8	1.27
(2,4358)	1:50:A:LEU:HD13	1:5:A:GLY:H	8	1.27
(2,4115)	1:170:A:LEU:HD11	1:169:A:HIS:H	13	1.27
(2,4115)	1:170:A:LEU:HD12	1:169:A:HIS:H	13	1.27
(2,4115)	1:170:A:LEU:HD13	1:169:A:HIS:H	13	1.27
(2,3943)	1:157:A:VAL:HB	1:161:A:VAL:H	20	1.27
(2,3934)	1:91:A:GLN:HG2	1:92:A:GLU:H	15	1.27
(2,3882)	1:26:A:LEU:HD21	1:26:A:LEU:H	2	1.27
(2,3882)	1:26:A:LEU:HD22	1:26:A:LEU:H	2	1.27
(2,3882)	1:26:A:LEU:HD23	1:26:A:LEU:H	2	1.27
(2,3783)	1:92:A:GLU:HG3	1:93:A:ASP:H	11	1.27
(2,3517)	1:170:A:LEU:HD11	1:173:A:ILE:HB	2	1.27
(2,3517)	1:170:A:LEU:HD12	1:173:A:ILE:HB	2	1.27
(2,3517)	1:170:A:LEU:HD13	1:173:A:ILE:HB	2	1.27
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD11	18	1.27
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD12	18	1.27
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD13	18	1.27
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD21	19	1.27
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD22	19	1.27
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD23	19	1.27
(2,3391)	1:159:A:LYS:HE2	1:158:A:GLU:HB2	11	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3257)	1:115:A:THR:HA	1:110:A:GLU:HG3	16	1.27
(2,3107)	1:161:A:VAL:H	1:157:A:VAL:HB	20	1.27
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG21	13	1.27
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG22	13	1.27
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG23	13	1.27
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG21	14	1.27
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG22	14	1.27
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG23	14	1.27
(2,2973)	1:150:A:PRO:HD3	1:144:A:ILE:HG21	12	1.27
(2,2973)	1:150:A:PRO:HD3	1:144:A:ILE:HG22	12	1.27
(2,2973)	1:150:A:PRO:HD3	1:144:A:ILE:HG23	12	1.27
(2,2972)	1:81:A:LYS:HD3	1:114:A:ALA:HA	7	1.27
(2,2891)	1:112:A:ARG:HD2	1:109:A:ILE:HA	6	1.27
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB1	1	1.27
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB2	1	1.27
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB3	1	1.27
(2,2275)	1:158:A:GLU:HG3	1:155:A:GLU:HA	11	1.27
(2,2275)	1:158:A:GLU:HG3	1:155:A:GLU:HA	14	1.27
(2,2180)	1:161:A:VAL:HG11	1:162:A:LYS:HD2	4	1.27
(2,2180)	1:161:A:VAL:HG12	1:162:A:LYS:HD2	4	1.27
(2,2180)	1:161:A:VAL:HG13	1:162:A:LYS:HD2	4	1.27
(2,1906)	1:100:A:ASP:HB2	1:131:A:LYS:HD2	9	1.27
(2,1389)	1:16:A:GLU:HG3	1:8:A:PHE:HB2	1	1.27
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG21	9	1.27
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG22	9	1.27
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG23	9	1.27
(2,963)	1:157:A:VAL:HG21	1:142:A:LEU:HG	9	1.27
(2,963)	1:157:A:VAL:HG22	1:142:A:LEU:HG	9	1.27
(2,963)	1:157:A:VAL:HG23	1:142:A:LEU:HG	9	1.27
(2,748)	1:155:A:GLU:HA	1:158:A:GLU:HG3	11	1.27
(2,748)	1:155:A:GLU:HA	1:158:A:GLU:HG3	14	1.27
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	6	1.27
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	6	1.27
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	6	1.27
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD21	3	1.27
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD22	3	1.27
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD23	3	1.27
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD21	3	1.27
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD22	3	1.27
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD23	3	1.27
(3,441)	1:112:A:ARG:HD3	1:74:A:GLU:H	7	1.26
(2,5338)	1:175:A:ASN:HD22	1:175:A:ASN:H	15	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5286)	1:168:A:LEU:HD21	1:166:A:GLU:H	9	1.26
(2,5286)	1:168:A:LEU:HD22	1:166:A:GLU:H	9	1.26
(2,5286)	1:168:A:LEU:HD23	1:166:A:GLU:H	9	1.26
(2,5229)	1:145:A:ASP:H	1:156:A:ARG:HE	17	1.26
(2,5189)	1:156:A:ARG:HG2	1:153:A:THR:H	3	1.26
(2,5189)	1:156:A:ARG:HG2	1:153:A:THR:H	19	1.26
(2,4509)	1:28:A:LYS:HG3	1:30:A:VAL:H	3	1.26
(2,4509)	1:28:A:LYS:HG3	1:30:A:VAL:H	19	1.26
(2,4359)	1:49:A:ILE:HG12	1:5:A:GLY:H	12	1.26
(2,4359)	1:49:A:ILE:HG12	1:5:A:GLY:H	20	1.26
(2,4129)	1:111:A:PRO:HD3	1:109:A:ILE:H	11	1.26
(2,4115)	1:170:A:LEU:HD11	1:169:A:HIS:H	17	1.26
(2,4115)	1:170:A:LEU:HD12	1:169:A:HIS:H	17	1.26
(2,4115)	1:170:A:LEU:HD13	1:169:A:HIS:H	17	1.26
(2,4071)	1:112:A:ARG:HD2	1:112:A:ARG:H	18	1.26
(2,3926)	1:44:A:LEU:HD11	1:44:A:LEU:H	5	1.26
(2,3926)	1:44:A:LEU:HD12	1:44:A:LEU:H	5	1.26
(2,3926)	1:44:A:LEU:HD13	1:44:A:LEU:H	5	1.26
(2,3783)	1:92:A:GLU:HG3	1:93:A:ASP:H	2	1.26
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	10	1.26
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	10	1.26
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	10	1.26
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	10	1.26
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	10	1.26
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	10	1.26
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD11	20	1.26
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD12	20	1.26
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD13	20	1.26
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD21	17	1.26
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD22	17	1.26
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD23	17	1.26
(2,3463)	1:170:A:LEU:HD11	1:165:A:SER:HB2	13	1.26
(2,3463)	1:170:A:LEU:HD12	1:165:A:SER:HB2	13	1.26
(2,3463)	1:170:A:LEU:HD13	1:165:A:SER:HB2	13	1.26
(2,3214)	1:106:A:ARG:HD3	1:140:A:VAL:HG11	18	1.26
(2,3214)	1:106:A:ARG:HD3	1:140:A:VAL:HG12	18	1.26
(2,3214)	1:106:A:ARG:HD3	1:140:A:VAL:HG13	18	1.26
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD11	8	1.26
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD12	8	1.26
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD13	8	1.26
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG21	9	1.26
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG22	9	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG23	9	1.26
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB1	4	1.26
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB2	4	1.26
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB3	4	1.26
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB1	10	1.26
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB2	10	1.26
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB3	10	1.26
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB1	15	1.26
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB2	15	1.26
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB3	15	1.26
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG21	18	1.26
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG22	18	1.26
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG23	18	1.26
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD11	8	1.26
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD12	8	1.26
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD13	8	1.26
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD11	8	1.26
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD12	8	1.26
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD13	8	1.26
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD11	8	1.26
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD12	8	1.26
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD13	8	1.26
(2,2091)	1:168:A:LEU:HB2	1:49:A:ILE:HG12	6	1.26
(2,1731)	1:27:A:GLY:HA2	1:24:A:LYS:HD2	14	1.26
(2,1643)	1:44:A:LEU:HD21	1:73:A:LEU:HD21	7	1.26
(2,1643)	1:44:A:LEU:HD21	1:73:A:LEU:HD22	7	1.26
(2,1643)	1:44:A:LEU:HD21	1:73:A:LEU:HD23	7	1.26
(2,1643)	1:44:A:LEU:HD22	1:73:A:LEU:HD21	7	1.26
(2,1643)	1:44:A:LEU:HD22	1:73:A:LEU:HD22	7	1.26
(2,1643)	1:44:A:LEU:HD22	1:73:A:LEU:HD23	7	1.26
(2,1643)	1:44:A:LEU:HD23	1:73:A:LEU:HD21	7	1.26
(2,1643)	1:44:A:LEU:HD23	1:73:A:LEU:HD22	7	1.26
(2,1643)	1:44:A:LEU:HD23	1:73:A:LEU:HD23	7	1.26
(2,1576)	1:25:A:GLN:HG2	1:22:A:ILE:HA	2	1.26
(2,1576)	1:25:A:GLN:HG2	1:22:A:ILE:HA	7	1.26
(2,1429)	1:55:A:PRO:HB2	1:15:A:THR:HB	19	1.26
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD21	8	1.26
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD22	8	1.26
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD23	8	1.26
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD21	15	1.26
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD22	15	1.26
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD23	15	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD21	15	1.26
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD22	15	1.26
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD23	15	1.26
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD21	15	1.26
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD22	15	1.26
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD23	15	1.26
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG21	8	1.26
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG22	8	1.26
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG23	8	1.26
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD11	12	1.26
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD12	12	1.26
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD13	12	1.26
(2,492)	1:44:A:LEU:H	1:44:A:LEU:HD11	5	1.26
(2,492)	1:44:A:LEU:H	1:44:A:LEU:HD12	5	1.26
(2,492)	1:44:A:LEU:H	1:44:A:LEU:HD13	5	1.26
(2,119)	1:120:A:TRP:H	1:160:A:TRP:HD1	2	1.26
(2,81)	1:105:A:ILE:HB	1:70:A:PHE:HZ	3	1.26
(3,310)	1:18:A:ILE:HG12	1:55:A:PRO:HD3	6	1.25
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD11	4	1.25
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD12	4	1.25
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD13	4	1.25
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD1	8	1.25
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD2	8	1.25
(2,5345)	1:174:A:LEU:HG	1:175:A:ASN:HD22	13	1.25
(2,5269)	1:167:A:GLU:HB3	1:164:A:ILE:H	10	1.25
(2,5190)	1:156:A:ARG:HB3	1:153:A:THR:H	15	1.25
(2,5190)	1:156:A:ARG:HB2	1:153:A:THR:H	15	1.25
(2,5148)	1:156:A:ARG:HG2	1:145:A:ASP:H	12	1.25
(2,4942)	1:85:A:LEU:HD11	1:106:A:ARG:H	9	1.25
(2,4942)	1:85:A:LEU:HD12	1:106:A:ARG:H	9	1.25
(2,4942)	1:85:A:LEU:HD13	1:106:A:ARG:H	9	1.25
(2,4493)	1:26:A:LEU:HD11	1:26:A:LEU:H	15	1.25
(2,4493)	1:26:A:LEU:HD12	1:26:A:LEU:H	15	1.25
(2,4493)	1:26:A:LEU:HD13	1:26:A:LEU:H	15	1.25
(2,4115)	1:170:A:LEU:HD11	1:169:A:HIS:H	4	1.25
(2,4115)	1:170:A:LEU:HD12	1:169:A:HIS:H	4	1.25
(2,4115)	1:170:A:LEU:HD13	1:169:A:HIS:H	4	1.25
(2,4071)	1:112:A:ARG:HD2	1:112:A:ARG:H	9	1.25
(2,3965)	1:111:A:PRO:HD2	1:108:A:ILE:H	15	1.25
(2,3934)	1:91:A:GLN:HG2	1:92:A:GLU:H	19	1.25
(2,3884)	1:26:A:LEU:HD11	1:26:A:LEU:H	15	1.25
(2,3884)	1:26:A:LEU:HD12	1:26:A:LEU:H	15	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3884)	1:26:A:LEU:HD13	1:26:A:LEU:H	15	1.25
(2,3686)	1:160:A:TRP:HB2	1:162:A:LYS:H	4	1.25
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	4	1.25
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	4	1.25
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	4	1.25
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	4	1.25
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	4	1.25
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	4	1.25
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD21	10	1.25
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD22	10	1.25
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD23	10	1.25
(2,3396)	1:162:A:LYS:HG2	1:158:A:GLU:HA	19	1.25
(2,3299)	1:88:A:CYS:HB2	1:18:A:ILE:HG12	7	1.25
(2,3145)	1:158:A:GLU:HA	1:162:A:LYS:HG2	19	1.25
(2,3062)	1:133:A:LEU:HD11	1:122:A:THR:HA	1	1.25
(2,3062)	1:133:A:LEU:HD12	1:122:A:THR:HA	1	1.25
(2,3062)	1:133:A:LEU:HD13	1:122:A:THR:HA	1	1.25
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD21	18	1.25
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD22	18	1.25
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD23	18	1.25
(2,2175)	1:168:A:LEU:HD11	1:82:A:LEU:HB3	16	1.25
(2,2175)	1:168:A:LEU:HD12	1:82:A:LEU:HB3	16	1.25
(2,2175)	1:168:A:LEU:HD13	1:82:A:LEU:HB3	16	1.25
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB1	14	1.25
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB2	14	1.25
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB3	14	1.25
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD11	14	1.25
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD12	14	1.25
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD13	14	1.25
(2,1731)	1:27:A:GLY:HA2	1:24:A:LYS:HD2	8	1.25
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD11	3	1.25
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD12	3	1.25
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD13	3	1.25
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD1	9	1.25
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD2	9	1.25
(2,81)	1:105:A:ILE:HB	1:70:A:PHE:HZ	20	1.25
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD1	18	1.25
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD2	18	1.25
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD1	18	1.25
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD2	18	1.25
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD1	18	1.25
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD2	18	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5345)	1:174:A:LEU:HG	1:175:A:ASN:HD22	4	1.24
(2,5286)	1:168:A:LEU:HD21	1:166:A:GLU:H	10	1.24
(2,5286)	1:168:A:LEU:HD22	1:166:A:GLU:H	10	1.24
(2,5286)	1:168:A:LEU:HD23	1:166:A:GLU:H	10	1.24
(2,5167)	1:92:A:GLU:HB2	1:148:A:ARG:H	10	1.24
(2,5148)	1:156:A:ARG:HG2	1:145:A:ASP:H	7	1.24
(2,5112)	1:133:A:LEU:HD11	1:140:A:VAL:H	1	1.24
(2,5112)	1:133:A:LEU:HD12	1:140:A:VAL:H	1	1.24
(2,5112)	1:133:A:LEU:HD13	1:140:A:VAL:H	1	1.24
(2,5112)	1:133:A:LEU:HD11	1:140:A:VAL:H	4	1.24
(2,5112)	1:133:A:LEU:HD12	1:140:A:VAL:H	4	1.24
(2,5112)	1:133:A:LEU:HD13	1:140:A:VAL:H	4	1.24
(2,5112)	1:133:A:LEU:HD11	1:140:A:VAL:H	5	1.24
(2,5112)	1:133:A:LEU:HD12	1:140:A:VAL:H	5	1.24
(2,5112)	1:133:A:LEU:HD13	1:140:A:VAL:H	5	1.24
(2,4932)	1:106:A:ARG:HB2	1:104:A:THR:H	14	1.24
(2,4857)	1:149:A:GLN:HG3	1:91:A:GLN:H	3	1.24
(2,4633)	1:3:A:ILE:HG12	1:48:A:ASP:H	17	1.24
(2,4435)	1:20:A:LYS:HD2	1:19:A:ALA:H	14	1.24
(2,4359)	1:49:A:ILE:HG12	1:5:A:GLY:H	18	1.24
(2,4119)	1:59:A:TYR:HB3	1:59:A:TYR:H	5	1.24
(2,4119)	1:59:A:TYR:HB3	1:59:A:TYR:H	18	1.24
(2,4115)	1:170:A:LEU:HD11	1:169:A:HIS:H	1	1.24
(2,4115)	1:170:A:LEU:HD12	1:169:A:HIS:H	1	1.24
(2,4115)	1:170:A:LEU:HD13	1:169:A:HIS:H	1	1.24
(2,3856)	1:42:A:GLU:HB3	1:43:A:ASP:H	13	1.24
(2,3661)	1:91:A:GLN:HG3	1:91:A:GLN:H	15	1.24
(2,3660)	1:24:A:LYS:HG3	1:21:A:MET:H	5	1.24
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	17	1.24
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	17	1.24
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	17	1.24
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	17	1.24
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	17	1.24
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	17	1.24
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD21	4	1.24
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD22	4	1.24
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD23	4	1.24
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD11	5	1.24
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD12	5	1.24
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD13	5	1.24
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD11	16	1.24
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD12	16	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD13	16	1.24
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD11	13	1.24
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD12	13	1.24
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD13	13	1.24
(2,2972)	1:81:A:LYS:HD3	1:114:A:ALA:HA	11	1.24
(2,2891)	1:112:A:ARG:HD2	1:109:A:ILE:HA	2	1.24
(2,2461)	1:74:A:GLU:HG2	1:75:A:GLU:HG3	3	1.24
(2,2461)	1:74:A:GLU:HG2	1:75:A:GLU:HG3	15	1.24
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD11	1	1.24
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD12	1	1.24
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD13	1	1.24
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD11	1	1.24
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD12	1	1.24
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD13	1	1.24
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD11	1	1.24
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD12	1	1.24
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD13	1	1.24
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD11	9	1.24
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD12	9	1.24
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD13	9	1.24
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD11	9	1.24
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD12	9	1.24
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD13	9	1.24
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD11	9	1.24
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD12	9	1.24
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD13	9	1.24
(2,2091)	1:168:A:LEU:HB2	1:49:A:ILE:HG12	5	1.24
(2,2091)	1:168:A:LEU:HB2	1:49:A:ILE:HG12	10	1.24
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB1	2	1.24
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB2	2	1.24
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB3	2	1.24
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB1	5	1.24
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB2	5	1.24
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB3	5	1.24
(2,1576)	1:25:A:GLN:HG2	1:22:A:ILE:HA	10	1.24
(2,1576)	1:25:A:GLN:HG2	1:22:A:ILE:HA	15	1.24
(2,1131)	1:105:A:ILE:HG12	1:102:A:LEU:HA	20	1.24
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG21	12	1.24
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG22	12	1.24
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG23	12	1.24
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD11	10	1.24
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD12	10	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD13	10	1.24
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD11	2	1.24
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD12	2	1.24
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD13	2	1.24
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD1	11	1.24
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD2	11	1.24
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD1	11	1.24
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD2	11	1.24
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD1	11	1.24
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD2	11	1.24
(3,273)	1:144:A:ILE:HG12	1:149:A:GLN:HA	12	1.23
(3,67)	1:25:A:GLN:HE21	1:21:A:MET:HE1	5	1.23
(3,67)	1:25:A:GLN:HE21	1:21:A:MET:HE2	5	1.23
(3,67)	1:25:A:GLN:HE21	1:21:A:MET:HE3	5	1.23
(2,5286)	1:168:A:LEU:HD21	1:166:A:GLU:H	16	1.23
(2,5286)	1:168:A:LEU:HD22	1:166:A:GLU:H	16	1.23
(2,5286)	1:168:A:LEU:HD23	1:166:A:GLU:H	16	1.23
(2,5286)	1:168:A:LEU:HD21	1:166:A:GLU:H	17	1.23
(2,5286)	1:168:A:LEU:HD22	1:166:A:GLU:H	17	1.23
(2,5286)	1:168:A:LEU:HD23	1:166:A:GLU:H	17	1.23
(2,5175)	1:156:A:ARG:HD3	1:151:A:GLU:H	19	1.23
(2,5149)	1:144:A:ILE:HG12	1:145:A:ASP:H	19	1.23
(2,5147)	1:146:A:GLU:HB3	1:145:A:ASP:H	11	1.23
(2,4932)	1:106:A:ARG:HB2	1:104:A:THR:H	2	1.23
(2,4879)	1:91:A:GLN:HG2	1:95:A:ALA:H	19	1.23
(2,4484)	1:162:A:LYS:HG2	1:25:A:GLN:HE22	3	1.23
(2,3952)	1:24:A:LYS:HB2	1:25:A:GLN:H	7	1.23
(2,3856)	1:42:A:GLU:HB3	1:43:A:ASP:H	14	1.23
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD21	1	1.23
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD22	1	1.23
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD23	1	1.23
(2,3388)	1:112:A:ARG:HB3	1:78:A:PHE:HA	9	1.23
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD11	16	1.23
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD12	16	1.23
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD13	16	1.23
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB2	8	1.23
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB3	8	1.23
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD11	11	1.23
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD12	11	1.23
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD13	11	1.23
(2,2985)	1:163:A:GLN:HG2	1:160:A:TRP:HA	6	1.23
(2,2972)	1:81:A:LYS:HD3	1:114:A:ALA:HA	5	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG3	15	1.23
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG2	15	1.23
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG21	9	1.23
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG22	9	1.23
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG23	9	1.23
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD11	6	1.23
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD12	6	1.23
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD13	6	1.23
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB1	11	1.23
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB2	11	1.23
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB3	11	1.23
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB1	20	1.23
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB2	20	1.23
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB3	20	1.23
(2,2531)	1:50:A:LEU:HD21	1:81:A:LYS:HD2	3	1.23
(2,2531)	1:50:A:LEU:HD22	1:81:A:LYS:HD2	3	1.23
(2,2531)	1:50:A:LEU:HD23	1:81:A:LYS:HD2	3	1.23
(2,2080)	1:82:A:LEU:HD21	1:49:A:ILE:HA	16	1.23
(2,2080)	1:82:A:LEU:HD22	1:49:A:ILE:HA	16	1.23
(2,2080)	1:82:A:LEU:HD23	1:49:A:ILE:HA	16	1.23
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB1	11	1.23
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB2	11	1.23
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB3	11	1.23
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG21	14	1.23
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG22	14	1.23
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG23	14	1.23
(2,1710)	1:171:A:ASP:HB2	1:172:A:GLU:HA	15	1.23
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG11	7	1.23
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG12	7	1.23
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG13	7	1.23
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD11	20	1.23
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD12	20	1.23
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD13	20	1.23
(2,1429)	1:55:A:PRO:HB2	1:15:A:THR:HB	12	1.23
(2,1180)	1:68:A:ASP:HB2	1:65:A:ASP:HA	15	1.23
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD1	14	1.23
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD2	14	1.23
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD1	14	1.23
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD2	14	1.23
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD1	14	1.23
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD2	14	1.23
(3,441)	1:112:A:ARG:HD3	1:74:A:GLU:H	5	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,441)	1:112:A:ARG:HD3	1:74:A:GLU:H	16	1.22
(2,5367)	1:87:A:GLY:HA2	1:14:A:ASN:HD22	16	1.22
(2,5338)	1:175:A:ASN:HD22	1:175:A:ASN:H	12	1.22
(2,5286)	1:168:A:LEU:HD21	1:166:A:GLU:H	19	1.22
(2,5286)	1:168:A:LEU:HD22	1:166:A:GLU:H	19	1.22
(2,5286)	1:168:A:LEU:HD23	1:166:A:GLU:H	19	1.22
(2,5286)	1:168:A:LEU:HD21	1:166:A:GLU:H	20	1.22
(2,5286)	1:168:A:LEU:HD22	1:166:A:GLU:H	20	1.22
(2,5286)	1:168:A:LEU:HD23	1:166:A:GLU:H	20	1.22
(2,5148)	1:156:A:ARG:HG2	1:145:A:ASP:H	1	1.22
(2,4879)	1:91:A:GLN:HG2	1:95:A:ALA:H	3	1.22
(2,4784)	1:113:A:GLY:HA2	1:78:A:PHE:H	3	1.22
(2,4657)	1:50:A:LEU:HD11	1:51:A:LEU:H	18	1.22
(2,4657)	1:50:A:LEU:HD12	1:51:A:LEU:H	18	1.22
(2,4657)	1:50:A:LEU:HD13	1:51:A:LEU:H	18	1.22
(2,4358)	1:50:A:LEU:HD11	1:5:A:GLY:H	9	1.22
(2,4358)	1:50:A:LEU:HD12	1:5:A:GLY:H	9	1.22
(2,4358)	1:50:A:LEU:HD13	1:5:A:GLY:H	9	1.22
(2,4119)	1:59:A:TYR:HB3	1:59:A:TYR:H	1	1.22
(2,4119)	1:59:A:TYR:HB3	1:59:A:TYR:H	4	1.22
(2,4101)	1:41:A:LYS:HG2	1:45:A:GLU:H	1	1.22
(2,3943)	1:157:A:VAL:HB	1:161:A:VAL:H	10	1.22
(2,3943)	1:157:A:VAL:HB	1:161:A:VAL:H	14	1.22
(2,3943)	1:157:A:VAL:HB	1:161:A:VAL:H	17	1.22
(2,3433)	1:162:A:LYS:H	1:163:A:GLN:HG3	15	1.22
(2,3428)	1:155:A:GLU:HB2	1:159:A:LYS:HE2	8	1.22
(2,3385)	1:21:A:MET:HE1	1:157:A:VAL:HG21	20	1.22
(2,3385)	1:21:A:MET:HE1	1:157:A:VAL:HG22	20	1.22
(2,3385)	1:21:A:MET:HE1	1:157:A:VAL:HG23	20	1.22
(2,3385)	1:21:A:MET:HE2	1:157:A:VAL:HG21	20	1.22
(2,3385)	1:21:A:MET:HE2	1:157:A:VAL:HG22	20	1.22
(2,3385)	1:21:A:MET:HE2	1:157:A:VAL:HG23	20	1.22
(2,3385)	1:21:A:MET:HE3	1:157:A:VAL:HG21	20	1.22
(2,3385)	1:21:A:MET:HE3	1:157:A:VAL:HG22	20	1.22
(2,3385)	1:21:A:MET:HE3	1:157:A:VAL:HG23	20	1.22
(2,3299)	1:88:A:CYS:HB2	1:18:A:ILE:HG12	13	1.22
(2,3118)	1:92:A:GLU:HG2	1:148:A:ARG:HA	1	1.22
(2,3107)	1:161:A:VAL:H	1:157:A:VAL:HB	10	1.22
(2,3107)	1:161:A:VAL:H	1:157:A:VAL:HB	14	1.22
(2,3107)	1:161:A:VAL:H	1:157:A:VAL:HB	17	1.22
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG21	1	1.22
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG22	1	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG23	1	1.22
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG21	1	1.22
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG22	1	1.22
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG23	1	1.22
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG21	1	1.22
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG22	1	1.22
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG23	1	1.22
(2,2547)	1:168:A:LEU:HD11	1:82:A:LEU:HB2	10	1.22
(2,2547)	1:168:A:LEU:HD12	1:82:A:LEU:HB2	10	1.22
(2,2547)	1:168:A:LEU:HD13	1:82:A:LEU:HB2	10	1.22
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD11	10	1.22
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD12	10	1.22
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD13	10	1.22
(2,2275)	1:158:A:GLU:HG3	1:155:A:GLU:HA	10	1.22
(2,2275)	1:158:A:GLU:HG3	1:155:A:GLU:HA	16	1.22
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD11	6	1.22
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD12	6	1.22
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD13	6	1.22
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD11	6	1.22
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD12	6	1.22
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD13	6	1.22
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD11	6	1.22
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD12	6	1.22
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD13	6	1.22
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB1	19	1.22
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB2	19	1.22
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB3	19	1.22
(2,1825)	1:148:A:ARG:HE	1:149:A:GLN:HG2	19	1.22
(2,1710)	1:171:A:ASP:HB2	1:172:A:GLU:HA	5	1.22
(2,1710)	1:171:A:ASP:HB2	1:172:A:GLU:HA	11	1.22
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB2	17	1.22
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB2	17	1.22
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB2	17	1.22
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB3	17	1.22
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB3	17	1.22
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB3	17	1.22
(2,1180)	1:68:A:ASP:HB2	1:65:A:ASP:HA	7	1.22
(2,1180)	1:68:A:ASP:HB2	1:65:A:ASP:HA	11	1.22
(2,783)	1:76:A:ILE:HA	1:41:A:LYS:HD2	20	1.22
(2,748)	1:155:A:GLU:HA	1:158:A:GLU:HG3	10	1.22
(2,748)	1:155:A:GLU:HA	1:158:A:GLU:HG3	16	1.22
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD11	15	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD12	15	1.22
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD13	15	1.22
(3,441)	1:112:A:ARG:HD3	1:74:A:GLU:H	18	1.21
(2,5269)	1:167:A:GLU:HB3	1:164:A:ILE:H	11	1.21
(2,4866)	1:91:A:GLN:HG3	1:93:A:ASP:H	7	1.21
(2,4557)	1:38:A:LYS:HD2	1:37:A:ALA:H	4	1.21
(2,4435)	1:20:A:LYS:HD2	1:19:A:ALA:H	9	1.21
(2,4435)	1:20:A:LYS:HD2	1:19:A:ALA:H	12	1.21
(2,4359)	1:49:A:ILE:HG12	1:5:A:GLY:H	7	1.21
(2,4129)	1:111:A:PRO:HD3	1:109:A:ILE:H	15	1.21
(2,3966)	1:108:A:ILE:HG12	1:108:A:ILE:H	4	1.21
(2,3952)	1:24:A:LYS:HB2	1:25:A:GLN:H	6	1.21
(2,3926)	1:44:A:LEU:HD11	1:44:A:LEU:H	15	1.21
(2,3926)	1:44:A:LEU:HD12	1:44:A:LEU:H	15	1.21
(2,3926)	1:44:A:LEU:HD13	1:44:A:LEU:H	15	1.21
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD11	6	1.21
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD12	6	1.21
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD13	6	1.21
(2,3376)	1:21:A:MET:HG3	1:157:A:VAL:HG11	16	1.21
(2,3376)	1:21:A:MET:HG3	1:157:A:VAL:HG12	16	1.21
(2,3376)	1:21:A:MET:HG3	1:157:A:VAL:HG13	16	1.21
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD11	2	1.21
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD12	2	1.21
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD13	2	1.21
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD11	11	1.21
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD12	11	1.21
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD13	11	1.21
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD11	14	1.21
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD12	14	1.21
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD13	14	1.21
(2,3109)	1:125:A:TYR:HE1	1:128:A:GLU:HG2	18	1.21
(2,3109)	1:125:A:TYR:HE2	1:128:A:GLU:HG2	18	1.21
(2,2891)	1:112:A:ARG:HD2	1:109:A:ILE:HA	7	1.21
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB1	6	1.21
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB2	6	1.21
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB3	6	1.21
(2,2180)	1:161:A:VAL:HG11	1:162:A:LYS:HD2	8	1.21
(2,2180)	1:161:A:VAL:HG12	1:162:A:LYS:HD2	8	1.21
(2,2180)	1:161:A:VAL:HG13	1:162:A:LYS:HD2	8	1.21
(2,2091)	1:168:A:LEU:HB2	1:49:A:ILE:HG12	9	1.21
(2,2091)	1:168:A:LEU:HB2	1:49:A:ILE:HG12	17	1.21
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD11	2	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD12	2	1.21
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD13	2	1.21
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB3	12	1.21
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB2	12	1.21
(2,1710)	1:171:A:ASP:HB2	1:172:A:GLU:HA	4	1.21
(2,1710)	1:171:A:ASP:HB2	1:172:A:GLU:HA	10	1.21
(2,1710)	1:171:A:ASP:HB2	1:172:A:GLU:HA	14	1.21
(2,1710)	1:171:A:ASP:HB2	1:172:A:GLU:HA	16	1.21
(2,1710)	1:171:A:ASP:HB2	1:172:A:GLU:HA	17	1.21
(2,1710)	1:171:A:ASP:HB2	1:172:A:GLU:HA	19	1.21
(2,1710)	1:171:A:ASP:HB2	1:172:A:GLU:HA	20	1.21
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB2	19	1.21
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB2	19	1.21
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB2	19	1.21
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB3	19	1.21
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB3	19	1.21
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB3	19	1.21
(2,1659)	1:34:A:HIS:HB2	1:38:A:LYS:HE3	10	1.21
(2,1429)	1:55:A:PRO:HB2	1:15:A:THR:HB	9	1.21
(2,1126)	1:157:A:VAL:HG11	1:158:A:GLU:HA	1	1.21
(2,1126)	1:157:A:VAL:HG12	1:158:A:GLU:HA	1	1.21
(2,1126)	1:157:A:VAL:HG13	1:158:A:GLU:HA	1	1.21
(2,1126)	1:157:A:VAL:HG11	1:158:A:GLU:HA	16	1.21
(2,1126)	1:157:A:VAL:HG12	1:158:A:GLU:HA	16	1.21
(2,1126)	1:157:A:VAL:HG13	1:158:A:GLU:HA	16	1.21
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG11	1	1.21
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG12	1	1.21
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG13	1	1.21
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG11	16	1.21
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG12	16	1.21
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG13	16	1.21
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD11	11	1.21
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD12	11	1.21
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD13	11	1.21
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD11	17	1.21
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD12	17	1.21
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD13	17	1.21
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD11	10	1.21
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD12	10	1.21
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD13	10	1.21
(2,492)	1:44:A:LEU:H	1:44:A:LEU:HD11	15	1.21
(2,492)	1:44:A:LEU:H	1:44:A:LEU:HD12	15	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,492)	1:44:A:LEU:H	1:44:A:LEU:HD13	15	1.21
(2,119)	1:120:A:TRP:H	1:160:A:TRP:HD1	7	1.21
(2,81)	1:105:A:ILE:HB	1:70:A:PHE:HZ	13	1.21
(3,19)	1:63:A:GLN:HA	1:57:A:TRP:HZ2	11	1.2
(2,5310)	1:166:A:GLU:HB3	1:169:A:HIS:H	3	1.2
(2,5145)	1:156:A:ARG:HD2	1:145:A:ASP:H	2	1.2
(2,5112)	1:133:A:LEU:HD11	1:140:A:VAL:H	6	1.2
(2,5112)	1:133:A:LEU:HD12	1:140:A:VAL:H	6	1.2
(2,5112)	1:133:A:LEU:HD13	1:140:A:VAL:H	6	1.2
(2,4932)	1:106:A:ARG:HB2	1:104:A:THR:H	16	1.2
(2,4879)	1:91:A:GLN:HG2	1:95:A:ALA:H	10	1.2
(2,4866)	1:91:A:GLN:HG3	1:93:A:ASP:H	17	1.2
(2,4477)	1:26:A:LEU:HD21	1:25:A:GLN:H	7	1.2
(2,4477)	1:26:A:LEU:HD22	1:25:A:GLN:H	7	1.2
(2,4477)	1:26:A:LEU:HD23	1:25:A:GLN:H	7	1.2
(2,4359)	1:49:A:ILE:HG12	1:5:A:GLY:H	10	1.2
(2,3952)	1:24:A:LYS:HB2	1:25:A:GLN:H	16	1.2
(2,3943)	1:157:A:VAL:HB	1:161:A:VAL:H	8	1.2
(2,3926)	1:44:A:LEU:HD11	1:44:A:LEU:H	12	1.2
(2,3926)	1:44:A:LEU:HD12	1:44:A:LEU:H	12	1.2
(2,3926)	1:44:A:LEU:HD13	1:44:A:LEU:H	12	1.2
(2,3827)	1:145:A:ASP:HB2	1:147:A:ASP:H	4	1.2
(2,3783)	1:92:A:GLU:HG3	1:93:A:ASP:H	13	1.2
(2,3551)	1:59:A:TYR:HE1	1:58:A:TYR:HB2	4	1.2
(2,3551)	1:59:A:TYR:HE2	1:58:A:TYR:HB2	4	1.2
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD21	11	1.2
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD22	11	1.2
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD23	11	1.2
(2,3107)	1:161:A:VAL:H	1:157:A:VAL:HB	8	1.2
(2,3062)	1:133:A:LEU:HD11	1:122:A:THR:HA	14	1.2
(2,3062)	1:133:A:LEU:HD12	1:122:A:THR:HA	14	1.2
(2,3062)	1:133:A:LEU:HD13	1:122:A:THR:HA	14	1.2
(2,2726)	1:102:A:LEU:HG	1:99:A:CYS:HB2	7	1.2
(2,2461)	1:74:A:GLU:HG2	1:75:A:GLU:HG3	11	1.2
(2,2175)	1:168:A:LEU:HD11	1:82:A:LEU:HB3	15	1.2
(2,2175)	1:168:A:LEU:HD12	1:82:A:LEU:HB3	15	1.2
(2,2175)	1:168:A:LEU:HD13	1:82:A:LEU:HB3	15	1.2
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD11	6	1.2
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD12	6	1.2
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD13	6	1.2
(2,1906)	1:100:A:ASP:HB2	1:131:A:LYS:HD2	15	1.2
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB1	5	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB2	5	1.2
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB3	5	1.2
(2,1721)	1:24:A:LYS:HE2	1:28:A:LYS:HB2	12	1.2
(2,1710)	1:171:A:ASP:HB2	1:172:A:GLU:HA	3	1.2
(2,1710)	1:171:A:ASP:HB2	1:172:A:GLU:HA	9	1.2
(2,1429)	1:55:A:PRO:HB2	1:15:A:THR:HB	7	1.2
(2,1131)	1:105:A:ILE:HG12	1:102:A:LEU:HA	6	1.2
(2,1126)	1:157:A:VAL:HG11	1:158:A:GLU:HA	3	1.2
(2,1126)	1:157:A:VAL:HG12	1:158:A:GLU:HA	3	1.2
(2,1126)	1:157:A:VAL:HG13	1:158:A:GLU:HA	3	1.2
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG11	3	1.2
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG12	3	1.2
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG13	3	1.2
(2,492)	1:44:A:LEU:H	1:44:A:LEU:HD11	12	1.2
(2,492)	1:44:A:LEU:H	1:44:A:LEU:HD12	12	1.2
(2,492)	1:44:A:LEU:H	1:44:A:LEU:HD13	12	1.2
(2,171)	1:52:A:LEU:HB2	1:66:A:TRP:HZ2	1	1.2
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE1	17	1.2
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE2	17	1.2
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE1	17	1.2
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE2	17	1.2
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE1	17	1.2
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE2	17	1.2
(2,5269)	1:167:A:GLU:HB3	1:164:A:ILE:H	13	1.19
(2,5211)	1:152:A:LEU:HD21	1:156:A:ARG:H	2	1.19
(2,5211)	1:152:A:LEU:HD22	1:156:A:ARG:H	2	1.19
(2,5211)	1:152:A:LEU:HD23	1:156:A:ARG:H	2	1.19
(2,5189)	1:156:A:ARG:HG2	1:153:A:THR:H	4	1.19
(2,5112)	1:133:A:LEU:HD11	1:140:A:VAL:H	9	1.19
(2,5112)	1:133:A:LEU:HD12	1:140:A:VAL:H	9	1.19
(2,5112)	1:133:A:LEU:HD13	1:140:A:VAL:H	9	1.19
(2,4639)	1:82:A:LEU:HB3	1:49:A:ILE:H	6	1.19
(2,4633)	1:3:A:ILE:HG12	1:48:A:ASP:H	9	1.19
(2,4129)	1:111:A:PRO:HD3	1:109:A:ILE:H	14	1.19
(2,4119)	1:59:A:TYR:HB3	1:59:A:TYR:H	6	1.19
(2,4119)	1:59:A:TYR:HB3	1:59:A:TYR:H	14	1.19
(2,4115)	1:170:A:LEU:HD11	1:169:A:HIS:H	16	1.19
(2,4115)	1:170:A:LEU:HD12	1:169:A:HIS:H	16	1.19
(2,4115)	1:170:A:LEU:HD13	1:169:A:HIS:H	16	1.19
(2,4007)	1:20:A:LYS:HD2	1:20:A:LYS:H	8	1.19
(2,3966)	1:108:A:ILE:HG12	1:108:A:ILE:H	9	1.19
(2,3952)	1:24:A:LYS:HB2	1:25:A:GLN:H	20	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3551)	1:59:A:TYR:HE1	1:58:A:TYR:HB2	5	1.19
(2,3551)	1:59:A:TYR:HE2	1:58:A:TYR:HB2	5	1.19
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	19	1.19
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	19	1.19
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	19	1.19
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	19	1.19
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	19	1.19
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	19	1.19
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD11	1	1.19
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD12	1	1.19
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD13	1	1.19
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD11	13	1.19
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD12	13	1.19
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD13	13	1.19
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB2	9	1.19
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB3	9	1.19
(2,3118)	1:92:A:GLU:HG2	1:148:A:ARG:HA	15	1.19
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG3	11	1.19
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG2	11	1.19
(2,2651)	1:149:A:GLN:HB2	1:90:A:ASP:HA	20	1.19
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB1	7	1.19
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB2	7	1.19
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB3	7	1.19
(2,2275)	1:158:A:GLU:HG3	1:155:A:GLU:HA	1	1.19
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD11	5	1.19
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD12	5	1.19
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD13	5	1.19
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD11	5	1.19
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD12	5	1.19
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD13	5	1.19
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD11	5	1.19
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD12	5	1.19
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD13	5	1.19
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB1	11	1.19
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB2	11	1.19
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB3	11	1.19
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB1	16	1.19
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB2	16	1.19
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB3	16	1.19
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG21	10	1.19
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG22	10	1.19
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG23	10	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1656)	1:23:A:GLN:HE22	1:28:A:LYS:HE2	5	1.19
(2,1466)	1:16:A:GLU:HG3	1:17:A:ASN:HB2	4	1.19
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD11	12	1.19
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD12	12	1.19
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD13	12	1.19
(2,1229)	1:16:A:GLU:HG3	1:20:A:LYS:HE3	1	1.19
(2,1209)	1:82:A:LEU:HD21	1:168:A:LEU:HA	18	1.19
(2,1209)	1:82:A:LEU:HD22	1:168:A:LEU:HA	18	1.19
(2,1209)	1:82:A:LEU:HD23	1:168:A:LEU:HA	18	1.19
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD11	8	1.19
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD12	8	1.19
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD13	8	1.19
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD11	8	1.19
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD12	8	1.19
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD13	8	1.19
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD11	8	1.19
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD12	8	1.19
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD13	8	1.19
(2,748)	1:155:A:GLU:HA	1:158:A:GLU:HG3	1	1.19
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE1	4	1.19
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE2	4	1.19
(3,648)	1:120:A:TRP:HH2	1:163:A:GLN:H	10	1.18
(2,5345)	1:174:A:LEU:HG	1:175:A:ASN:HD22	11	1.18
(2,5345)	1:174:A:LEU:HG	1:175:A:ASN:HD22	12	1.18
(2,5345)	1:174:A:LEU:HG	1:175:A:ASN:HD22	18	1.18
(2,5269)	1:167:A:GLU:HB3	1:164:A:ILE:H	6	1.18
(2,5190)	1:156:A:ARG:HB3	1:153:A:THR:H	16	1.18
(2,5190)	1:156:A:ARG:HB2	1:153:A:THR:H	16	1.18
(2,5147)	1:146:A:GLU:HB3	1:145:A:ASP:H	12	1.18
(2,5059)	1:131:A:LYS:HG3	1:130:A:SER:H	18	1.18
(2,4981)	1:111:A:PRO:HG2	1:112:A:ARG:HE	18	1.18
(2,4482)	1:161:A:VAL:HB	1:25:A:GLN:HE22	3	1.18
(2,4477)	1:26:A:LEU:HD21	1:25:A:GLN:H	18	1.18
(2,4477)	1:26:A:LEU:HD22	1:25:A:GLN:H	18	1.18
(2,4477)	1:26:A:LEU:HD23	1:25:A:GLN:H	18	1.18
(2,4119)	1:59:A:TYR:HB3	1:59:A:TYR:H	15	1.18
(2,3952)	1:24:A:LYS:HB2	1:25:A:GLN:H	10	1.18
(2,3952)	1:24:A:LYS:HB2	1:25:A:GLN:H	11	1.18
(2,3943)	1:157:A:VAL:HB	1:161:A:VAL:H	12	1.18
(2,3882)	1:26:A:LEU:HD21	1:26:A:LEU:H	10	1.18
(2,3882)	1:26:A:LEU:HD22	1:26:A:LEU:H	10	1.18
(2,3882)	1:26:A:LEU:HD23	1:26:A:LEU:H	10	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3661)	1:91:A:GLN:HG3	1:91:A:GLN:H	5	1.18
(2,3660)	1:24:A:LYS:HG3	1:21:A:MET:H	12	1.18
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD11	7	1.18
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD12	7	1.18
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD13	7	1.18
(2,3396)	1:162:A:LYS:HG2	1:158:A:GLU:HA	5	1.18
(2,3388)	1:112:A:ARG:HB3	1:78:A:PHE:HA	19	1.18
(2,3294)	1:151:A:GLU:HG3	1:150:A:PRO:HA	11	1.18
(2,3145)	1:158:A:GLU:HA	1:162:A:LYS:HG2	5	1.18
(2,3107)	1:161:A:VAL:H	1:157:A:VAL:HB	12	1.18
(2,2461)	1:74:A:GLU:HG2	1:75:A:GLU:HG3	19	1.18
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD11	2	1.18
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD12	2	1.18
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD13	2	1.18
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD11	2	1.18
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD12	2	1.18
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD13	2	1.18
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD11	2	1.18
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD12	2	1.18
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD13	2	1.18
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD11	15	1.18
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD12	15	1.18
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD13	15	1.18
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD11	15	1.18
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD12	15	1.18
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD13	15	1.18
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD11	15	1.18
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD12	15	1.18
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD13	15	1.18
(2,2180)	1:161:A:VAL:HG11	1:162:A:LYS:HD2	9	1.18
(2,2180)	1:161:A:VAL:HG12	1:162:A:LYS:HD2	9	1.18
(2,2180)	1:161:A:VAL:HG13	1:162:A:LYS:HD2	9	1.18
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG11	11	1.18
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG12	11	1.18
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG13	11	1.18
(2,1576)	1:25:A:GLN:HG2	1:22:A:ILE:HA	14	1.18
(2,1576)	1:25:A:GLN:HG2	1:22:A:ILE:HA	19	1.18
(2,1466)	1:16:A:GLU:HG3	1:17:A:ASN:HB2	12	1.18
(2,1183)	1:76:A:ILE:HG12	1:73:A:LEU:HA	10	1.18
(2,1165)	1:24:A:LYS:HG2	1:21:A:MET:HA	20	1.18
(2,1131)	1:105:A:ILE:HG12	1:102:A:LEU:HA	17	1.18
(2,1126)	1:157:A:VAL:HG11	1:158:A:GLU:HA	6	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1126)	1:157:A:VAL:HG12	1:158:A:GLU:HA	6	1.18
(2,1126)	1:157:A:VAL:HG13	1:158:A:GLU:HA	6	1.18
(2,1126)	1:157:A:VAL:HG11	1:158:A:GLU:HA	11	1.18
(2,1126)	1:157:A:VAL:HG12	1:158:A:GLU:HA	11	1.18
(2,1126)	1:157:A:VAL:HG13	1:158:A:GLU:HA	11	1.18
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG21	9	1.18
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG22	9	1.18
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG23	9	1.18
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG11	6	1.18
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG12	6	1.18
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG13	6	1.18
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG11	11	1.18
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG12	11	1.18
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG13	11	1.18
(2,171)	1:52:A:LEU:HB2	1:66:A:TRP:HZ2	5	1.18
(2,171)	1:52:A:LEU:HB2	1:66:A:TRP:HZ2	10	1.18
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE1	5	1.18
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE2	5	1.18
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE1	5	1.18
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE2	5	1.18
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE1	5	1.18
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE2	5	1.18
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE1	19	1.18
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE2	19	1.18
(2,81)	1:105:A:ILE:HB	1:70:A:PHE:HZ	16	1.18
(3,307)	1:30:A:VAL:H	1:173:A:ILE:HG21	15	1.17
(3,307)	1:30:A:VAL:H	1:173:A:ILE:HG22	15	1.17
(3,307)	1:30:A:VAL:H	1:173:A:ILE:HG23	15	1.17
(2,5345)	1:174:A:LEU:HG	1:175:A:ASN:HD22	20	1.17
(2,5269)	1:167:A:GLU:HB3	1:164:A:ILE:H	7	1.17
(2,5112)	1:133:A:LEU:HD11	1:140:A:VAL:H	14	1.17
(2,5112)	1:133:A:LEU:HD12	1:140:A:VAL:H	14	1.17
(2,5112)	1:133:A:LEU:HD13	1:140:A:VAL:H	14	1.17
(2,4942)	1:85:A:LEU:HD11	1:106:A:ARG:H	7	1.17
(2,4942)	1:85:A:LEU:HD12	1:106:A:ARG:H	7	1.17
(2,4942)	1:85:A:LEU:HD13	1:106:A:ARG:H	7	1.17
(2,4857)	1:149:A:GLN:HG3	1:91:A:GLN:H	1	1.17
(2,4639)	1:82:A:LEU:HB3	1:49:A:ILE:H	12	1.17
(2,4435)	1:20:A:LYS:HD2	1:19:A:ALA:H	17	1.17
(2,4435)	1:20:A:LYS:HD2	1:19:A:ALA:H	20	1.17
(2,4359)	1:49:A:ILE:HG12	1:5:A:GLY:H	8	1.17
(2,4119)	1:59:A:TYR:HB3	1:59:A:TYR:H	3	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4119)	1:59:A:TYR:HB3	1:59:A:TYR:H	9	1.17
(2,4119)	1:59:A:TYR:HB3	1:59:A:TYR:H	13	1.17
(2,3966)	1:108:A:ILE:HG12	1:108:A:ILE:H	3	1.17
(2,3966)	1:108:A:ILE:HG12	1:108:A:ILE:H	19	1.17
(2,3943)	1:157:A:VAL:HB	1:161:A:VAL:H	7	1.17
(2,3882)	1:26:A:LEU:HD21	1:26:A:LEU:H	4	1.17
(2,3882)	1:26:A:LEU:HD22	1:26:A:LEU:H	4	1.17
(2,3882)	1:26:A:LEU:HD23	1:26:A:LEU:H	4	1.17
(2,3783)	1:92:A:GLU:HG3	1:93:A:ASP:H	9	1.17
(2,3774)	1:174:A:LEU:HD11	1:174:A:LEU:H	12	1.17
(2,3774)	1:174:A:LEU:HD12	1:174:A:LEU:H	12	1.17
(2,3774)	1:174:A:LEU:HD13	1:174:A:LEU:H	12	1.17
(2,3428)	1:155:A:GLU:HB2	1:159:A:LYS:HE2	7	1.17
(2,3396)	1:162:A:LYS:HG2	1:158:A:GLU:HA	17	1.17
(2,3289)	1:90:A:ASP:HB3	1:149:A:GLN:HA	10	1.17
(2,3289)	1:90:A:ASP:HB3	1:149:A:GLN:HA	15	1.17
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD11	15	1.17
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD12	15	1.17
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD13	15	1.17
(2,3145)	1:158:A:GLU:HA	1:162:A:LYS:HG2	17	1.17
(2,3107)	1:161:A:VAL:H	1:157:A:VAL:HB	7	1.17
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG21	8	1.17
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG22	8	1.17
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG23	8	1.17
(2,2844)	1:116:A:ILE:HG12	1:106:A:ARG:HD2	13	1.17
(2,2547)	1:168:A:LEU:HD11	1:82:A:LEU:HB2	8	1.17
(2,2547)	1:168:A:LEU:HD12	1:82:A:LEU:HB2	8	1.17
(2,2547)	1:168:A:LEU:HD13	1:82:A:LEU:HB2	8	1.17
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD11	17	1.17
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD12	17	1.17
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD13	17	1.17
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD11	17	1.17
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD12	17	1.17
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD13	17	1.17
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD11	17	1.17
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD12	17	1.17
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD13	17	1.17
(2,2180)	1:161:A:VAL:HG11	1:162:A:LYS:HD2	12	1.17
(2,2180)	1:161:A:VAL:HG12	1:162:A:LYS:HD2	12	1.17
(2,2180)	1:161:A:VAL:HG13	1:162:A:LYS:HD2	12	1.17
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB1	18	1.17
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB2	18	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB3	18	1.17
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG21	20	1.17
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG22	20	1.17
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG23	20	1.17
(2,1742)	1:30:A:VAL:HG11	1:29:A:ASP:HB2	1	1.17
(2,1742)	1:30:A:VAL:HG12	1:29:A:ASP:HB2	1	1.17
(2,1742)	1:30:A:VAL:HG13	1:29:A:ASP:HB2	1	1.17
(2,1742)	1:30:A:VAL:HG11	1:29:A:ASP:HB2	4	1.17
(2,1742)	1:30:A:VAL:HG12	1:29:A:ASP:HB2	4	1.17
(2,1742)	1:30:A:VAL:HG13	1:29:A:ASP:HB2	4	1.17
(2,1742)	1:30:A:VAL:HG11	1:29:A:ASP:HB2	9	1.17
(2,1742)	1:30:A:VAL:HG12	1:29:A:ASP:HB2	9	1.17
(2,1742)	1:30:A:VAL:HG13	1:29:A:ASP:HB2	9	1.17
(2,1710)	1:171:A:ASP:HB2	1:172:A:GLU:HA	1	1.17
(2,1710)	1:171:A:ASP:HB2	1:172:A:GLU:HA	12	1.17
(2,1576)	1:25:A:GLN:HG2	1:22:A:ILE:HA	9	1.17
(2,1466)	1:16:A:GLU:HG3	1:17:A:ASN:HB2	2	1.17
(2,1466)	1:16:A:GLU:HG3	1:17:A:ASN:HB2	7	1.17
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	1	1.17
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	1	1.17
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	1	1.17
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	14	1.17
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	14	1.17
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	14	1.17
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	20	1.17
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	20	1.17
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	20	1.17
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG11	18	1.17
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG12	18	1.17
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG13	18	1.17
(2,525)	1:86:A:PHE:HD1	1:142:A:LEU:HG	9	1.17
(2,525)	1:86:A:PHE:HD2	1:142:A:LEU:HG	9	1.17
(2,450)	1:25:A:GLN:HE21	1:161:A:VAL:HB	16	1.17
(2,5345)	1:174:A:LEU:HG	1:175:A:ASN:HD22	6	1.16
(2,5286)	1:168:A:LEU:HD21	1:166:A:GLU:H	1	1.16
(2,5286)	1:168:A:LEU:HD22	1:166:A:GLU:H	1	1.16
(2,5286)	1:168:A:LEU:HD23	1:166:A:GLU:H	1	1.16
(2,5269)	1:167:A:GLU:HB3	1:164:A:ILE:H	18	1.16
(2,5112)	1:133:A:LEU:HD11	1:140:A:VAL:H	13	1.16
(2,5112)	1:133:A:LEU:HD12	1:140:A:VAL:H	13	1.16
(2,5112)	1:133:A:LEU:HD13	1:140:A:VAL:H	13	1.16
(2,4435)	1:20:A:LYS:HD2	1:19:A:ALA:H	2	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4359)	1:49:A:ILE:HG12	1:5:A:GLY:H	13	1.16
(2,4359)	1:49:A:ILE:HG12	1:5:A:GLY:H	14	1.16
(2,4119)	1:59:A:TYR:HB3	1:59:A:TYR:H	2	1.16
(2,4119)	1:59:A:TYR:HB3	1:59:A:TYR:H	7	1.16
(2,4119)	1:59:A:TYR:HB3	1:59:A:TYR:H	8	1.16
(2,4115)	1:170:A:LEU:HD11	1:169:A:HIS:H	20	1.16
(2,4115)	1:170:A:LEU:HD12	1:169:A:HIS:H	20	1.16
(2,4115)	1:170:A:LEU:HD13	1:169:A:HIS:H	20	1.16
(2,3952)	1:24:A:LYS:HB2	1:25:A:GLN:H	2	1.16
(2,3926)	1:44:A:LEU:HD11	1:44:A:LEU:H	7	1.16
(2,3926)	1:44:A:LEU:HD12	1:44:A:LEU:H	7	1.16
(2,3926)	1:44:A:LEU:HD13	1:44:A:LEU:H	7	1.16
(2,3882)	1:26:A:LEU:HD21	1:26:A:LEU:H	16	1.16
(2,3882)	1:26:A:LEU:HD22	1:26:A:LEU:H	16	1.16
(2,3882)	1:26:A:LEU:HD23	1:26:A:LEU:H	16	1.16
(2,3827)	1:145:A:ASP:HB2	1:147:A:ASP:H	14	1.16
(2,3774)	1:174:A:LEU:HD11	1:174:A:LEU:H	3	1.16
(2,3774)	1:174:A:LEU:HD12	1:174:A:LEU:H	3	1.16
(2,3774)	1:174:A:LEU:HD13	1:174:A:LEU:H	3	1.16
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	18	1.16
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	18	1.16
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	18	1.16
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	18	1.16
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	18	1.16
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	18	1.16
(2,3385)	1:21:A:MET:HE1	1:157:A:VAL:HG21	18	1.16
(2,3385)	1:21:A:MET:HE1	1:157:A:VAL:HG22	18	1.16
(2,3385)	1:21:A:MET:HE1	1:157:A:VAL:HG23	18	1.16
(2,3385)	1:21:A:MET:HE2	1:157:A:VAL:HG21	18	1.16
(2,3385)	1:21:A:MET:HE2	1:157:A:VAL:HG22	18	1.16
(2,3385)	1:21:A:MET:HE2	1:157:A:VAL:HG23	18	1.16
(2,3385)	1:21:A:MET:HE3	1:157:A:VAL:HG21	18	1.16
(2,3385)	1:21:A:MET:HE3	1:157:A:VAL:HG22	18	1.16
(2,3385)	1:21:A:MET:HE3	1:157:A:VAL:HG23	18	1.16
(2,3109)	1:125:A:TYR:HE1	1:128:A:GLU:HG2	9	1.16
(2,3109)	1:125:A:TYR:HE2	1:128:A:GLU:HG2	9	1.16
(2,2891)	1:112:A:ARG:HD2	1:109:A:ILE:HA	18	1.16
(2,2844)	1:116:A:ILE:HG12	1:106:A:ARG:HD2	3	1.16
(2,2844)	1:116:A:ILE:HG12	1:106:A:ARG:HD2	8	1.16
(2,2547)	1:168:A:LEU:HD11	1:82:A:LEU:HB2	15	1.16
(2,2547)	1:168:A:LEU:HD12	1:82:A:LEU:HB2	15	1.16
(2,2547)	1:168:A:LEU:HD13	1:82:A:LEU:HB2	15	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2388)	1:112:A:ARG:HD2	1:111:A:PRO:HB2	9	1.16
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD11	20	1.16
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD12	20	1.16
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD13	20	1.16
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD11	20	1.16
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD12	20	1.16
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD13	20	1.16
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD11	20	1.16
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD12	20	1.16
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD13	20	1.16
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB1	16	1.16
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB2	16	1.16
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB3	16	1.16
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG21	16	1.16
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG22	16	1.16
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG23	16	1.16
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG21	18	1.16
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG22	18	1.16
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG23	18	1.16
(2,1717)	1:158:A:GLU:HG2	1:155:A:GLU:HA	2	1.16
(2,1710)	1:171:A:ASP:HB2	1:172:A:GLU:HA	6	1.16
(2,1710)	1:171:A:ASP:HB2	1:172:A:GLU:HA	7	1.16
(2,1710)	1:171:A:ASP:HB2	1:172:A:GLU:HA	8	1.16
(2,1314)	1:26:A:LEU:HG	1:4:A:THR:HB	2	1.16
(2,1126)	1:157:A:VAL:HG11	1:158:A:GLU:HA	5	1.16
(2,1126)	1:157:A:VAL:HG12	1:158:A:GLU:HA	5	1.16
(2,1126)	1:157:A:VAL:HG13	1:158:A:GLU:HA	5	1.16
(2,1126)	1:157:A:VAL:HG11	1:158:A:GLU:HA	19	1.16
(2,1126)	1:157:A:VAL:HG12	1:158:A:GLU:HA	19	1.16
(2,1126)	1:157:A:VAL:HG13	1:158:A:GLU:HA	19	1.16
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG21	1	1.16
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG22	1	1.16
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG23	1	1.16
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG11	5	1.16
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG12	5	1.16
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG13	5	1.16
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG11	19	1.16
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG12	19	1.16
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG13	19	1.16
(2,783)	1:76:A:ILE:HA	1:41:A:LYS:HD2	16	1.16
(2,492)	1:44:A:LEU:H	1:44:A:LEU:HD11	7	1.16
(2,492)	1:44:A:LEU:H	1:44:A:LEU:HD12	7	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,492)	1:44:A:LEU:H	1:44:A:LEU:HD13	7	1.16
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD1	3	1.16
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD2	3	1.16
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD1	3	1.16
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD2	3	1.16
(3,310)	1:18:A:ILE:HG12	1:55:A:PRO:HD3	18	1.15
(3,19)	1:63:A:GLN:HA	1:57:A:TRP:HZ2	19	1.15
(2,5345)	1:174:A:LEU:HG	1:175:A:ASN:HD22	2	1.15
(2,5345)	1:174:A:LEU:HG	1:175:A:ASN:HD22	10	1.15
(2,5286)	1:168:A:LEU:HD21	1:166:A:GLU:H	11	1.15
(2,5286)	1:168:A:LEU:HD22	1:166:A:GLU:H	11	1.15
(2,5286)	1:168:A:LEU:HD23	1:166:A:GLU:H	11	1.15
(2,5112)	1:133:A:LEU:HD11	1:140:A:VAL:H	16	1.15
(2,5112)	1:133:A:LEU:HD12	1:140:A:VAL:H	16	1.15
(2,5112)	1:133:A:LEU:HD13	1:140:A:VAL:H	16	1.15
(2,4708)	1:61:A:GLU:HB2	1:63:A:GLN:H	14	1.15
(2,4359)	1:49:A:ILE:HG12	1:5:A:GLY:H	5	1.15
(2,4358)	1:50:A:LEU:HD11	1:5:A:GLY:H	4	1.15
(2,4358)	1:50:A:LEU:HD12	1:5:A:GLY:H	4	1.15
(2,4358)	1:50:A:LEU:HD13	1:5:A:GLY:H	4	1.15
(2,4129)	1:111:A:PRO:HD3	1:109:A:ILE:H	12	1.15
(2,4119)	1:59:A:TYR:HB3	1:59:A:TYR:H	17	1.15
(2,4115)	1:170:A:LEU:HD11	1:169:A:HIS:H	10	1.15
(2,4115)	1:170:A:LEU:HD12	1:169:A:HIS:H	10	1.15
(2,4115)	1:170:A:LEU:HD13	1:169:A:HIS:H	10	1.15
(2,3943)	1:157:A:VAL:HB	1:161:A:VAL:H	2	1.15
(2,3882)	1:26:A:LEU:HD21	1:26:A:LEU:H	20	1.15
(2,3882)	1:26:A:LEU:HD22	1:26:A:LEU:H	20	1.15
(2,3882)	1:26:A:LEU:HD23	1:26:A:LEU:H	20	1.15
(2,3661)	1:91:A:GLN:HG3	1:91:A:GLN:H	10	1.15
(2,3525)	1:4:A:THR:H	1:49:A:ILE:HD11	3	1.15
(2,3525)	1:4:A:THR:H	1:49:A:ILE:HD12	3	1.15
(2,3525)	1:4:A:THR:H	1:49:A:ILE:HD13	3	1.15
(2,3433)	1:162:A:LYS:H	1:163:A:GLN:HG3	3	1.15
(2,3305)	1:152:A:LEU:HD21	1:151:A:GLU:HG3	2	1.15
(2,3305)	1:152:A:LEU:HD22	1:151:A:GLU:HG3	2	1.15
(2,3305)	1:152:A:LEU:HD23	1:151:A:GLU:HG3	2	1.15
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG11	12	1.15
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG12	12	1.15
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG13	12	1.15
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG11	12	1.15
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG12	12	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG13	12	1.15
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG11	12	1.15
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG12	12	1.15
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG13	12	1.15
(2,3107)	1:161:A:VAL:H	1:157:A:VAL:HB	2	1.15
(2,3062)	1:133:A:LEU:HD11	1:122:A:THR:HA	5	1.15
(2,3062)	1:133:A:LEU:HD12	1:122:A:THR:HA	5	1.15
(2,3062)	1:133:A:LEU:HD13	1:122:A:THR:HA	5	1.15
(2,2985)	1:163:A:GLN:HG2	1:160:A:TRP:HA	13	1.15
(2,2972)	1:81:A:LYS:HD3	1:114:A:ALA:HA	8	1.15
(2,2965)	1:111:A:PRO:HG2	1:112:A:ARG:HD3	8	1.15
(2,2726)	1:102:A:LEU:HG	1:99:A:CYS:HB2	5	1.15
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD21	6	1.15
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD22	6	1.15
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD23	6	1.15
(2,2091)	1:168:A:LEU:HB2	1:49:A:ILE:HG12	16	1.15
(2,2081)	1:116:A:ILE:HD11	1:116:A:ILE:HA	18	1.15
(2,2081)	1:116:A:ILE:HD12	1:116:A:ILE:HA	18	1.15
(2,2081)	1:116:A:ILE:HD13	1:116:A:ILE:HA	18	1.15
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB1	6	1.15
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB2	6	1.15
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB3	6	1.15
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB1	7	1.15
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB2	7	1.15
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB3	7	1.15
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG21	7	1.15
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG22	7	1.15
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG23	7	1.15
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG21	11	1.15
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG22	11	1.15
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG23	11	1.15
(2,1735)	1:28:A:LYS:HG3	1:29:A:ASP:HA	20	1.15
(2,1710)	1:171:A:ASP:HB2	1:172:A:GLU:HA	18	1.15
(2,1698)	1:161:A:VAL:HA	1:26:A:LEU:HD11	5	1.15
(2,1698)	1:161:A:VAL:HA	1:26:A:LEU:HD12	5	1.15
(2,1698)	1:161:A:VAL:HA	1:26:A:LEU:HD13	5	1.15
(2,1183)	1:76:A:ILE:HG12	1:73:A:LEU:HA	13	1.15
(2,1126)	1:157:A:VAL:HG11	1:158:A:GLU:HA	4	1.15
(2,1126)	1:157:A:VAL:HG12	1:158:A:GLU:HA	4	1.15
(2,1126)	1:157:A:VAL:HG13	1:158:A:GLU:HA	4	1.15
(2,1126)	1:157:A:VAL:HG11	1:158:A:GLU:HA	9	1.15
(2,1126)	1:157:A:VAL:HG12	1:158:A:GLU:HA	9	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1126)	1:157:A:VAL:HG13	1:158:A:GLU:HA	9	1.15
(2,1126)	1:157:A:VAL:HG11	1:158:A:GLU:HA	13	1.15
(2,1126)	1:157:A:VAL:HG12	1:158:A:GLU:HA	13	1.15
(2,1126)	1:157:A:VAL:HG13	1:158:A:GLU:HA	13	1.15
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD11	2	1.15
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD12	2	1.15
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD13	2	1.15
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG11	4	1.15
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG12	4	1.15
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG13	4	1.15
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG11	9	1.15
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG12	9	1.15
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG13	9	1.15
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG11	13	1.15
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG12	13	1.15
(2,888)	1:158:A:GLU:HA	1:157:A:VAL:HG13	13	1.15
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG21	13	1.15
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG22	13	1.15
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG23	13	1.15
(2,783)	1:76:A:ILE:HA	1:41:A:LYS:HD2	13	1.15
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	11	1.15
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	11	1.15
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	11	1.15
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	13	1.15
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	13	1.15
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	13	1.15
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	18	1.15
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	18	1.15
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	18	1.15
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD11	18	1.15
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD12	18	1.15
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD13	18	1.15
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE1	7	1.15
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE2	7	1.15
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE1	7	1.15
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE2	7	1.15
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE1	7	1.15
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE2	7	1.15
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD1	6	1.15
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD2	6	1.15
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD1	6	1.15
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD2	6	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE1	5	1.15
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE2	5	1.15
(3,105)	1:64:A:CYS:HB2	1:37:A:ALA:HA	19	1.14
(2,5367)	1:87:A:GLY:HA2	1:14:A:ASN:HD22	7	1.14
(2,5345)	1:174:A:LEU:HG	1:175:A:ASN:HD22	3	1.14
(2,5112)	1:133:A:LEU:HD11	1:140:A:VAL:H	3	1.14
(2,5112)	1:133:A:LEU:HD12	1:140:A:VAL:H	3	1.14
(2,5112)	1:133:A:LEU:HD13	1:140:A:VAL:H	3	1.14
(2,4932)	1:106:A:ARG:HB2	1:104:A:THR:H	17	1.14
(2,4480)	1:26:A:LEU:HD11	1:25:A:GLN:H	13	1.14
(2,4480)	1:26:A:LEU:HD12	1:25:A:GLN:H	13	1.14
(2,4480)	1:26:A:LEU:HD13	1:25:A:GLN:H	13	1.14
(2,4359)	1:49:A:ILE:HG12	1:5:A:GLY:H	15	1.14
(2,4119)	1:59:A:TYR:HB3	1:59:A:TYR:H	11	1.14
(2,4057)	1:140:A:VAL:HG11	1:102:A:LEU:H	12	1.14
(2,4057)	1:140:A:VAL:HG12	1:102:A:LEU:H	12	1.14
(2,4057)	1:140:A:VAL:HG13	1:102:A:LEU:H	12	1.14
(2,4008)	1:148:A:ARG:HB3	1:149:A:GLN:H	1	1.14
(2,3966)	1:108:A:ILE:HG12	1:108:A:ILE:H	11	1.14
(2,3965)	1:111:A:PRO:HD2	1:108:A:ILE:H	11	1.14
(2,3943)	1:157:A:VAL:HB	1:161:A:VAL:H	18	1.14
(2,3783)	1:92:A:GLU:HG3	1:93:A:ASP:H	5	1.14
(2,3774)	1:174:A:LEU:HD11	1:174:A:LEU:H	8	1.14
(2,3774)	1:174:A:LEU:HD12	1:174:A:LEU:H	8	1.14
(2,3774)	1:174:A:LEU:HD13	1:174:A:LEU:H	8	1.14
(2,3774)	1:174:A:LEU:HD11	1:174:A:LEU:H	9	1.14
(2,3774)	1:174:A:LEU:HD12	1:174:A:LEU:H	9	1.14
(2,3774)	1:174:A:LEU:HD13	1:174:A:LEU:H	9	1.14
(2,3660)	1:24:A:LYS:HG3	1:21:A:MET:H	18	1.14
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD11	8	1.14
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD12	8	1.14
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD13	8	1.14
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD11	17	1.14
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD12	17	1.14
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD13	17	1.14
(2,3491)	1:172:A:GLU:HG2	1:169:A:HIS:HB3	7	1.14
(2,3396)	1:162:A:LYS:HG2	1:158:A:GLU:HA	16	1.14
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG11	11	1.14
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG12	11	1.14
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG13	11	1.14
(2,3299)	1:88:A:CYS:HB2	1:18:A:ILE:HG12	16	1.14
(2,3145)	1:158:A:GLU:HA	1:162:A:LYS:HG2	16	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3107)	1:161:A:VAL:H	1:157:A:VAL:HB	18	1.14
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD11	12	1.14
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD12	12	1.14
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD13	12	1.14
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB1	9	1.14
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB2	9	1.14
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB3	9	1.14
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB1	12	1.14
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB2	12	1.14
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB3	12	1.14
(2,2458)	1:169:A:HIS:HB3	1:172:A:GLU:HG2	7	1.14
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG21	13	1.14
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG22	13	1.14
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG23	13	1.14
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG21	13	1.14
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG22	13	1.14
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG23	13	1.14
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG21	13	1.14
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG22	13	1.14
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG23	13	1.14
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD11	4	1.14
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD12	4	1.14
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD13	4	1.14
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD11	4	1.14
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD12	4	1.14
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD13	4	1.14
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD11	4	1.14
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD12	4	1.14
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD13	4	1.14
(2,2081)	1:116:A:ILE:HD11	1:116:A:ILE:HA	10	1.14
(2,2081)	1:116:A:ILE:HD12	1:116:A:ILE:HA	10	1.14
(2,2081)	1:116:A:ILE:HD13	1:116:A:ILE:HA	10	1.14
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB1	8	1.14
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB2	8	1.14
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB3	8	1.14
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD11	1	1.14
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD12	1	1.14
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD13	1	1.14
(2,1742)	1:30:A:VAL:HG11	1:29:A:ASP:HB2	2	1.14
(2,1742)	1:30:A:VAL:HG12	1:29:A:ASP:HB2	2	1.14
(2,1742)	1:30:A:VAL:HG13	1:29:A:ASP:HB2	2	1.14
(2,1742)	1:30:A:VAL:HG11	1:29:A:ASP:HB2	10	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1742)	1:30:A:VAL:HG12	1:29:A:ASP:HB2	10	1.14
(2,1742)	1:30:A:VAL:HG13	1:29:A:ASP:HB2	10	1.14
(2,1742)	1:30:A:VAL:HG11	1:29:A:ASP:HB2	13	1.14
(2,1742)	1:30:A:VAL:HG12	1:29:A:ASP:HB2	13	1.14
(2,1742)	1:30:A:VAL:HG13	1:29:A:ASP:HB2	13	1.14
(2,1742)	1:30:A:VAL:HG11	1:29:A:ASP:HB2	18	1.14
(2,1742)	1:30:A:VAL:HG12	1:29:A:ASP:HB2	18	1.14
(2,1742)	1:30:A:VAL:HG13	1:29:A:ASP:HB2	18	1.14
(2,1710)	1:171:A:ASP:HB2	1:172:A:GLU:HA	2	1.14
(2,1710)	1:171:A:ASP:HB2	1:172:A:GLU:HA	13	1.14
(2,1576)	1:25:A:GLN:HG2	1:22:A:ILE:HA	16	1.14
(2,1576)	1:25:A:GLN:HG2	1:22:A:ILE:HA	20	1.14
(2,1466)	1:16:A:GLU:HG3	1:17:A:ASN:HB2	5	1.14
(2,1228)	1:38:A:LYS:HB2	1:38:A:LYS:HE3	8	1.14
(2,1131)	1:105:A:ILE:HG12	1:102:A:LEU:HA	11	1.14
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD21	7	1.14
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD22	7	1.14
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD23	7	1.14
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD21	7	1.14
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD22	7	1.14
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD23	7	1.14
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD21	7	1.14
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD22	7	1.14
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD23	7	1.14
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG21	1	1.14
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG22	1	1.14
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG23	1	1.14
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD11	13	1.14
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD12	13	1.14
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD13	13	1.14
(2,783)	1:76:A:ILE:HA	1:41:A:LYS:HD2	5	1.14
(2,525)	1:86:A:PHE:HD1	1:142:A:LEU:HG	4	1.14
(2,525)	1:86:A:PHE:HD2	1:142:A:LEU:HG	4	1.14
(2,119)	1:120:A:TRP:H	1:160:A:TRP:HD1	18	1.14
(2,5367)	1:87:A:GLY:HA2	1:14:A:ASN:HD22	19	1.13
(2,5269)	1:167:A:GLU:HB3	1:164:A:ILE:H	2	1.13
(2,5147)	1:146:A:GLU:HB3	1:145:A:ASP:H	7	1.13
(2,5112)	1:133:A:LEU:HD11	1:140:A:VAL:H	20	1.13
(2,5112)	1:133:A:LEU:HD12	1:140:A:VAL:H	20	1.13
(2,5112)	1:133:A:LEU:HD13	1:140:A:VAL:H	20	1.13
(2,5100)	1:133:A:LEU:HB2	1:138:A:HIS:H	14	1.13
(2,5100)	1:133:A:LEU:HB2	1:138:A:HIS:H	15	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4932)	1:106:A:ARG:HB2	1:104:A:THR:H	8	1.13
(2,4119)	1:59:A:TYR:HB3	1:59:A:TYR:H	16	1.13
(2,4115)	1:170:A:LEU:HD11	1:169:A:HIS:H	7	1.13
(2,4115)	1:170:A:LEU:HD12	1:169:A:HIS:H	7	1.13
(2,4115)	1:170:A:LEU:HD13	1:169:A:HIS:H	7	1.13
(2,4115)	1:170:A:LEU:HD11	1:169:A:HIS:H	15	1.13
(2,4115)	1:170:A:LEU:HD12	1:169:A:HIS:H	15	1.13
(2,4115)	1:170:A:LEU:HD13	1:169:A:HIS:H	15	1.13
(2,4115)	1:170:A:LEU:HD11	1:169:A:HIS:H	18	1.13
(2,4115)	1:170:A:LEU:HD12	1:169:A:HIS:H	18	1.13
(2,4115)	1:170:A:LEU:HD13	1:169:A:HIS:H	18	1.13
(2,3966)	1:108:A:ILE:HG12	1:108:A:ILE:H	14	1.13
(2,3794)	1:152:A:LEU:HB3	1:156:A:ARG:H	16	1.13
(2,3774)	1:174:A:LEU:HD11	1:174:A:LEU:H	19	1.13
(2,3774)	1:174:A:LEU:HD12	1:174:A:LEU:H	19	1.13
(2,3774)	1:174:A:LEU:HD13	1:174:A:LEU:H	19	1.13
(2,3661)	1:91:A:GLN:HG3	1:91:A:GLN:H	12	1.13
(2,3660)	1:24:A:LYS:HG3	1:21:A:MET:H	13	1.13
(2,3516)	1:175:A:ASN:HB2	1:172:A:GLU:HA	1	1.13
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD11	9	1.13
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD12	9	1.13
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD13	9	1.13
(2,3491)	1:172:A:GLU:HG2	1:169:A:HIS:HB3	8	1.13
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD21	18	1.13
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD22	18	1.13
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD23	18	1.13
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD11	12	1.13
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD12	12	1.13
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD13	12	1.13
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD11	1	1.13
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD12	1	1.13
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD13	1	1.13
(2,2972)	1:81:A:LYS:HD3	1:114:A:ALA:HA	6	1.13
(2,2972)	1:81:A:LYS:HD3	1:114:A:ALA:HA	9	1.13
(2,2566)	1:168:A:LEU:H	1:164:A:ILE:HG12	2	1.13
(2,2547)	1:168:A:LEU:HD11	1:82:A:LEU:HB2	7	1.13
(2,2547)	1:168:A:LEU:HD12	1:82:A:LEU:HB2	7	1.13
(2,2547)	1:168:A:LEU:HD13	1:82:A:LEU:HB2	7	1.13
(2,2520)	1:79:A:ASN:HB2	1:113:A:GLY:HA2	14	1.13
(2,2520)	1:79:A:ASN:HB2	1:113:A:GLY:HA2	16	1.13
(2,2473)	1:168:A:LEU:HD21	1:165:A:SER:HA	18	1.13
(2,2473)	1:168:A:LEU:HD22	1:165:A:SER:HA	18	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2473)	1:168:A:LEU:HD23	1:165:A:SER:HA	18	1.13
(2,2458)	1:169:A:HIS:HB3	1:172:A:GLU:HG2	8	1.13
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG21	4	1.13
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG22	4	1.13
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG23	4	1.13
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG21	4	1.13
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG22	4	1.13
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG23	4	1.13
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG21	4	1.13
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG22	4	1.13
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG23	4	1.13
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD11	16	1.13
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD12	16	1.13
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD13	16	1.13
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD11	16	1.13
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD12	16	1.13
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD13	16	1.13
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD11	16	1.13
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD12	16	1.13
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD13	16	1.13
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB1	3	1.13
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB2	3	1.13
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB3	3	1.13
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB1	12	1.13
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB2	12	1.13
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB3	12	1.13
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG21	15	1.13
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG22	15	1.13
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG23	15	1.13
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG11	6	1.13
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG12	6	1.13
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG13	6	1.13
(2,1742)	1:30:A:VAL:HG11	1:29:A:ASP:HB2	7	1.13
(2,1742)	1:30:A:VAL:HG12	1:29:A:ASP:HB2	7	1.13
(2,1742)	1:30:A:VAL:HG13	1:29:A:ASP:HB2	7	1.13
(2,1742)	1:30:A:VAL:HG11	1:29:A:ASP:HB2	14	1.13
(2,1742)	1:30:A:VAL:HG12	1:29:A:ASP:HB2	14	1.13
(2,1742)	1:30:A:VAL:HG13	1:29:A:ASP:HB2	14	1.13
(2,1466)	1:16:A:GLU:HG3	1:17:A:ASN:HB2	17	1.13
(2,1183)	1:76:A:ILE:HG12	1:73:A:LEU:HA	15	1.13
(2,1183)	1:76:A:ILE:HG12	1:73:A:LEU:HA	18	1.13
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG21	2	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG22	2	1.13
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG23	2	1.13
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG21	6	1.13
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG22	6	1.13
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG23	6	1.13
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG21	14	1.13
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG22	14	1.13
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG23	14	1.13
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD11	3	1.13
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD12	3	1.13
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD13	3	1.13
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD11	16	1.13
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD12	16	1.13
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD13	16	1.13
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD11	17	1.13
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD12	17	1.13
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD13	17	1.13
(2,5345)	1:174:A:LEU:HG	1:175:A:ASN:HD22	19	1.12
(2,5328)	1:173:A:ILE:HG12	1:172:A:GLU:H	19	1.12
(2,5211)	1:152:A:LEU:HD21	1:156:A:ARG:H	14	1.12
(2,5211)	1:152:A:LEU:HD22	1:156:A:ARG:H	14	1.12
(2,5211)	1:152:A:LEU:HD23	1:156:A:ARG:H	14	1.12
(2,5171)	1:145:A:ASP:HB3	1:149:A:GLN:H	20	1.12
(2,4866)	1:91:A:GLN:HG3	1:93:A:ASP:H	18	1.12
(2,4857)	1:149:A:GLN:HG3	1:91:A:GLN:H	5	1.12
(2,4775)	1:41:A:LYS:HG3	1:76:A:ILE:H	1	1.12
(2,4359)	1:49:A:ILE:HG12	1:5:A:GLY:H	9	1.12
(2,4359)	1:49:A:ILE:HG12	1:5:A:GLY:H	17	1.12
(2,4115)	1:170:A:LEU:HD11	1:169:A:HIS:H	9	1.12
(2,4115)	1:170:A:LEU:HD12	1:169:A:HIS:H	9	1.12
(2,4115)	1:170:A:LEU:HD13	1:169:A:HIS:H	9	1.12
(2,3966)	1:108:A:ILE:HG12	1:108:A:ILE:H	13	1.12
(2,3943)	1:157:A:VAL:HB	1:161:A:VAL:H	15	1.12
(2,3783)	1:92:A:GLU:HG3	1:93:A:ASP:H	10	1.12
(2,3774)	1:174:A:LEU:HD11	1:174:A:LEU:H	14	1.12
(2,3774)	1:174:A:LEU:HD12	1:174:A:LEU:H	14	1.12
(2,3774)	1:174:A:LEU:HD13	1:174:A:LEU:H	14	1.12
(2,3774)	1:174:A:LEU:HD11	1:174:A:LEU:H	17	1.12
(2,3774)	1:174:A:LEU:HD12	1:174:A:LEU:H	17	1.12
(2,3774)	1:174:A:LEU:HD13	1:174:A:LEU:H	17	1.12
(2,3774)	1:174:A:LEU:HD11	1:174:A:LEU:H	20	1.12
(2,3774)	1:174:A:LEU:HD12	1:174:A:LEU:H	20	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3774)	1:174:A:LEU:HD13	1:174:A:LEU:H	20	1.12
(2,3660)	1:24:A:LYS:HG3	1:21:A:MET:H	4	1.12
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	9	1.12
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	9	1.12
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	9	1.12
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	9	1.12
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	9	1.12
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	9	1.12
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD21	3	1.12
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD22	3	1.12
(2,3489)	1:164:A:ILE:H	1:168:A:LEU:HD23	3	1.12
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD11	15	1.12
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD12	15	1.12
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD13	15	1.12
(2,3109)	1:125:A:TYR:HE1	1:128:A:GLU:HG2	16	1.12
(2,3109)	1:125:A:TYR:HE2	1:128:A:GLU:HG2	16	1.12
(2,3107)	1:161:A:VAL:H	1:157:A:VAL:HB	15	1.12
(2,2844)	1:116:A:ILE:HG12	1:106:A:ARG:HD2	5	1.12
(2,2298)	1:41:A:LYS:HE3	1:75:A:GLU:HG3	17	1.12
(2,2275)	1:158:A:GLU:HG3	1:155:A:GLU:HA	17	1.12
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD11	19	1.12
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD12	19	1.12
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD13	19	1.12
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD11	19	1.12
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD12	19	1.12
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD13	19	1.12
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD11	19	1.12
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD12	19	1.12
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD13	19	1.12
(2,2180)	1:161:A:VAL:HG11	1:162:A:LYS:HD2	20	1.12
(2,2180)	1:161:A:VAL:HG12	1:162:A:LYS:HD2	20	1.12
(2,2180)	1:161:A:VAL:HG13	1:162:A:LYS:HD2	20	1.12
(2,2009)	1:39:A:SER:HB3	1:43:A:ASP:HB2	4	1.12
(2,1731)	1:27:A:GLY:HA2	1:24:A:LYS:HD2	15	1.12
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG11	3	1.12
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG12	3	1.12
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG13	3	1.12
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG21	4	1.12
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG22	4	1.12
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG23	4	1.12
(2,783)	1:76:A:ILE:HA	1:41:A:LYS:HD2	19	1.12
(2,748)	1:155:A:GLU:HA	1:158:A:GLU:HG3	17	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG11	11	1.12
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG12	11	1.12
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG13	11	1.12
(2,493)	1:69:A:PHE:HZ	1:44:A:LEU:HD11	5	1.12
(2,493)	1:69:A:PHE:HZ	1:44:A:LEU:HD12	5	1.12
(2,493)	1:69:A:PHE:HZ	1:44:A:LEU:HD13	5	1.12
(2,493)	1:69:A:PHE:HZ	1:44:A:LEU:HD11	14	1.12
(2,493)	1:69:A:PHE:HZ	1:44:A:LEU:HD12	14	1.12
(2,493)	1:69:A:PHE:HZ	1:44:A:LEU:HD13	14	1.12
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE1	15	1.12
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE2	15	1.12
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE1	15	1.12
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE2	15	1.12
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE1	15	1.12
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE2	15	1.12
(3,78)	1:174:A:LEU:HB2	1:27:A:GLY:HA3	11	1.11
(2,5345)	1:174:A:LEU:HG	1:175:A:ASN:HD22	17	1.11
(2,5190)	1:156:A:ARG:HB3	1:153:A:THR:H	5	1.11
(2,5190)	1:156:A:ARG:HB2	1:153:A:THR:H	5	1.11
(2,4480)	1:26:A:LEU:HD11	1:25:A:GLN:H	17	1.11
(2,4480)	1:26:A:LEU:HD12	1:25:A:GLN:H	17	1.11
(2,4480)	1:26:A:LEU:HD13	1:25:A:GLN:H	17	1.11
(2,4000)	1:75:A:GLU:HG2	1:75:A:GLU:H	8	1.11
(2,3966)	1:108:A:ILE:HG12	1:108:A:ILE:H	18	1.11
(2,3882)	1:26:A:LEU:HD21	1:26:A:LEU:H	7	1.11
(2,3882)	1:26:A:LEU:HD22	1:26:A:LEU:H	7	1.11
(2,3882)	1:26:A:LEU:HD23	1:26:A:LEU:H	7	1.11
(2,3774)	1:174:A:LEU:HD11	1:174:A:LEU:H	2	1.11
(2,3774)	1:174:A:LEU:HD12	1:174:A:LEU:H	2	1.11
(2,3774)	1:174:A:LEU:HD13	1:174:A:LEU:H	2	1.11
(2,3774)	1:174:A:LEU:HD11	1:174:A:LEU:H	6	1.11
(2,3774)	1:174:A:LEU:HD12	1:174:A:LEU:H	6	1.11
(2,3774)	1:174:A:LEU:HD13	1:174:A:LEU:H	6	1.11
(2,3774)	1:174:A:LEU:HD11	1:174:A:LEU:H	10	1.11
(2,3774)	1:174:A:LEU:HD12	1:174:A:LEU:H	10	1.11
(2,3774)	1:174:A:LEU:HD13	1:174:A:LEU:H	10	1.11
(2,3774)	1:174:A:LEU:HD11	1:174:A:LEU:H	11	1.11
(2,3774)	1:174:A:LEU:HD12	1:174:A:LEU:H	11	1.11
(2,3774)	1:174:A:LEU:HD13	1:174:A:LEU:H	11	1.11
(2,3660)	1:24:A:LYS:HG3	1:21:A:MET:H	3	1.11
(2,3396)	1:162:A:LYS:HG2	1:158:A:GLU:HA	15	1.11
(2,3145)	1:158:A:GLU:HA	1:162:A:LYS:HG2	15	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2972)	1:81:A:LYS:HD3	1:114:A:ALA:HA	20	1.11
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD11	15	1.11
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD12	15	1.11
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD13	15	1.11
(2,2606)	1:85:A:LEU:HD11	1:85:A:LEU:HA	10	1.11
(2,2606)	1:85:A:LEU:HD12	1:85:A:LEU:HA	10	1.11
(2,2606)	1:85:A:LEU:HD13	1:85:A:LEU:HA	10	1.11
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB1	3	1.11
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB2	3	1.11
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB3	3	1.11
(2,2451)	1:108:A:ILE:HD11	1:74:A:GLU:HG3	15	1.11
(2,2451)	1:108:A:ILE:HD12	1:74:A:GLU:HG3	15	1.11
(2,2451)	1:108:A:ILE:HD13	1:74:A:GLU:HG3	15	1.11
(2,2081)	1:116:A:ILE:HD11	1:116:A:ILE:HA	7	1.11
(2,2081)	1:116:A:ILE:HD12	1:116:A:ILE:HA	7	1.11
(2,2081)	1:116:A:ILE:HD13	1:116:A:ILE:HA	7	1.11
(2,1906)	1:100:A:ASP:HB2	1:131:A:LYS:HD2	17	1.11
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG11	20	1.11
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG12	20	1.11
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG13	20	1.11
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG21	19	1.11
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG22	19	1.11
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG23	19	1.11
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG21	12	1.11
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG22	12	1.11
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG23	12	1.11
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG21	17	1.11
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG22	17	1.11
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG23	17	1.11
(2,1742)	1:30:A:VAL:HG11	1:29:A:ASP:HB2	20	1.11
(2,1742)	1:30:A:VAL:HG12	1:29:A:ASP:HB2	20	1.11
(2,1742)	1:30:A:VAL:HG13	1:29:A:ASP:HB2	20	1.11
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG11	2	1.11
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG12	2	1.11
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG13	2	1.11
(2,1183)	1:76:A:ILE:HG12	1:73:A:LEU:HA	3	1.11
(2,1183)	1:76:A:ILE:HG12	1:73:A:LEU:HA	4	1.11
(2,1131)	1:105:A:ILE:HG12	1:102:A:LEU:HA	5	1.11
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	16	1.11
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	16	1.11
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	16	1.11
(2,171)	1:52:A:LEU:HB2	1:66:A:TRP:HZ2	18	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE1	2	1.11
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE2	2	1.11
(3,689)	1:125:A:TYR:HD1	1:91:A:GLN:HE22	9	1.1
(3,689)	1:125:A:TYR:HD2	1:91:A:GLN:HE22	9	1.1
(3,310)	1:18:A:ILE:HG12	1:55:A:PRO:HD3	15	1.1
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD11	2	1.1
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD12	2	1.1
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD13	2	1.1
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD1	4	1.1
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD2	4	1.1
(2,5367)	1:87:A:GLY:HA2	1:14:A:ASN:HD22	9	1.1
(2,4879)	1:91:A:GLN:HG2	1:95:A:ALA:H	2	1.1
(2,4633)	1:3:A:ILE:HG12	1:48:A:ASP:H	4	1.1
(2,4509)	1:28:A:LYS:HG3	1:30:A:VAL:H	11	1.1
(2,4359)	1:49:A:ILE:HG12	1:5:A:GLY:H	16	1.1
(2,4000)	1:75:A:GLU:HG2	1:75:A:GLU:H	3	1.1
(2,4000)	1:75:A:GLU:HG2	1:75:A:GLU:H	15	1.1
(2,4000)	1:75:A:GLU:HG2	1:75:A:GLU:H	19	1.1
(2,3966)	1:108:A:ILE:HG12	1:108:A:ILE:H	5	1.1
(2,3966)	1:108:A:ILE:HG12	1:108:A:ILE:H	15	1.1
(2,3896)	1:26:A:LEU:HD11	1:24:A:LYS:H	4	1.1
(2,3896)	1:26:A:LEU:HD12	1:24:A:LYS:H	4	1.1
(2,3896)	1:26:A:LEU:HD13	1:24:A:LYS:H	4	1.1
(2,3774)	1:174:A:LEU:HD11	1:174:A:LEU:H	4	1.1
(2,3774)	1:174:A:LEU:HD12	1:174:A:LEU:H	4	1.1
(2,3774)	1:174:A:LEU:HD13	1:174:A:LEU:H	4	1.1
(2,3581)	1:51:A:LEU:HD11	1:84:A:ALA:H	10	1.1
(2,3581)	1:51:A:LEU:HD12	1:84:A:ALA:H	10	1.1
(2,3581)	1:51:A:LEU:HD13	1:84:A:ALA:H	10	1.1
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	7	1.1
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	7	1.1
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	7	1.1
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	7	1.1
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	7	1.1
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	7	1.1
(2,3512)	1:166:A:GLU:HB3	1:171:A:ASP:HB2	6	1.1
(2,3396)	1:162:A:LYS:HG2	1:158:A:GLU:HA	13	1.1
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG11	4	1.1
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG12	4	1.1
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG13	4	1.1
(2,3145)	1:158:A:GLU:HA	1:162:A:LYS:HG2	13	1.1
(2,2985)	1:163:A:GLN:HG2	1:160:A:TRP:HA	5	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2972)	1:81:A:LYS:HD3	1:114:A:ALA:HA	2	1.1
(2,2853)	1:74:A:GLU:HB2	1:108:A:ILE:HA	8	1.1
(2,2520)	1:79:A:ASN:HB2	1:113:A:GLY:HA2	7	1.1
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG21	10	1.1
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG22	10	1.1
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG23	10	1.1
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD11	13	1.1
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD12	13	1.1
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD13	13	1.1
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD11	13	1.1
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD12	13	1.1
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD13	13	1.1
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD11	13	1.1
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD12	13	1.1
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD13	13	1.1
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB1	17	1.1
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB2	17	1.1
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB3	17	1.1
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB1	17	1.1
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB2	17	1.1
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB3	17	1.1
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG21	16	1.1
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG22	16	1.1
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG23	16	1.1
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG21	8	1.1
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG22	8	1.1
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG23	8	1.1
(2,1314)	1:26:A:LEU:HG	1:4:A:THR:HB	4	1.1
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD21	2	1.1
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD22	2	1.1
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD23	2	1.1
(2,1220)	1:50:A:LEU:HD11	1:50:A:LEU:HA	19	1.1
(2,1220)	1:50:A:LEU:HD12	1:50:A:LEU:HA	19	1.1
(2,1220)	1:50:A:LEU:HD13	1:50:A:LEU:HA	19	1.1
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD21	3	1.1
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD22	3	1.1
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD23	3	1.1
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD21	3	1.1
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD22	3	1.1
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD23	3	1.1
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD21	3	1.1
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD22	3	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD23	3	1.1
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG21	5	1.1
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG22	5	1.1
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG23	5	1.1
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	8	1.1
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	8	1.1
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	8	1.1
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD11	2	1.1
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD12	2	1.1
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD13	2	1.1
(2,119)	1:120:A:TRP:H	1:160:A:TRP:HD1	9	1.1
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD1	14	1.09
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD2	14	1.09
(2,5300)	1:82:A:LEU:HD21	1:168:A:LEU:H	12	1.09
(2,5300)	1:82:A:LEU:HD22	1:168:A:LEU:H	12	1.09
(2,5300)	1:82:A:LEU:HD23	1:168:A:LEU:H	12	1.09
(2,5025)	1:137:A:ASP:HB3	1:123:A:ALA:H	16	1.09
(2,4480)	1:26:A:LEU:HD11	1:25:A:GLN:H	19	1.09
(2,4480)	1:26:A:LEU:HD12	1:25:A:GLN:H	19	1.09
(2,4480)	1:26:A:LEU:HD13	1:25:A:GLN:H	19	1.09
(2,4359)	1:49:A:ILE:HG12	1:5:A:GLY:H	2	1.09
(2,4115)	1:170:A:LEU:HD11	1:169:A:HIS:H	6	1.09
(2,4115)	1:170:A:LEU:HD12	1:169:A:HIS:H	6	1.09
(2,4115)	1:170:A:LEU:HD13	1:169:A:HIS:H	6	1.09
(2,3966)	1:108:A:ILE:HG12	1:108:A:ILE:H	2	1.09
(2,3966)	1:108:A:ILE:HG12	1:108:A:ILE:H	16	1.09
(2,3882)	1:26:A:LEU:HD21	1:26:A:LEU:H	18	1.09
(2,3882)	1:26:A:LEU:HD22	1:26:A:LEU:H	18	1.09
(2,3882)	1:26:A:LEU:HD23	1:26:A:LEU:H	18	1.09
(2,3774)	1:174:A:LEU:HD11	1:174:A:LEU:H	13	1.09
(2,3774)	1:174:A:LEU:HD12	1:174:A:LEU:H	13	1.09
(2,3774)	1:174:A:LEU:HD13	1:174:A:LEU:H	13	1.09
(2,3774)	1:174:A:LEU:HD11	1:174:A:LEU:H	18	1.09
(2,3774)	1:174:A:LEU:HD12	1:174:A:LEU:H	18	1.09
(2,3774)	1:174:A:LEU:HD13	1:174:A:LEU:H	18	1.09
(2,3660)	1:24:A:LYS:HG3	1:21:A:MET:H	14	1.09
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD11	2	1.09
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD12	2	1.09
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD13	2	1.09
(2,3437)	1:170:A:LEU:HG	1:164:A:ILE:HA	13	1.09
(2,3391)	1:159:A:LYS:HE2	1:158:A:GLU:HB2	8	1.09
(2,3388)	1:112:A:ARG:HB3	1:78:A:PHE:HA	8	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3299)	1:88:A:CYS:HB2	1:18:A:ILE:HG12	3	1.09
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD11	1	1.09
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD12	1	1.09
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD13	1	1.09
(2,2839)	1:107:A:ASP:HA	1:106:A:ARG:HD3	9	1.09
(2,2606)	1:85:A:LEU:HD11	1:85:A:LEU:HA	1	1.09
(2,2606)	1:85:A:LEU:HD12	1:85:A:LEU:HA	1	1.09
(2,2606)	1:85:A:LEU:HD13	1:85:A:LEU:HA	1	1.09
(2,2606)	1:85:A:LEU:HD11	1:85:A:LEU:HA	14	1.09
(2,2606)	1:85:A:LEU:HD12	1:85:A:LEU:HA	14	1.09
(2,2606)	1:85:A:LEU:HD13	1:85:A:LEU:HA	14	1.09
(2,2606)	1:85:A:LEU:HD11	1:85:A:LEU:HA	15	1.09
(2,2606)	1:85:A:LEU:HD12	1:85:A:LEU:HA	15	1.09
(2,2606)	1:85:A:LEU:HD13	1:85:A:LEU:HA	15	1.09
(2,2606)	1:85:A:LEU:HD11	1:85:A:LEU:HA	18	1.09
(2,2606)	1:85:A:LEU:HD12	1:85:A:LEU:HA	18	1.09
(2,2606)	1:85:A:LEU:HD13	1:85:A:LEU:HA	18	1.09
(2,2606)	1:85:A:LEU:HD11	1:85:A:LEU:HA	20	1.09
(2,2606)	1:85:A:LEU:HD12	1:85:A:LEU:HA	20	1.09
(2,2606)	1:85:A:LEU:HD13	1:85:A:LEU:HA	20	1.09
(2,2566)	1:168:A:LEU:H	1:164:A:ILE:HG12	4	1.09
(2,2520)	1:79:A:ASN:HB2	1:113:A:GLY:HA2	17	1.09
(2,2081)	1:116:A:ILE:HD11	1:116:A:ILE:HA	3	1.09
(2,2081)	1:116:A:ILE:HD12	1:116:A:ILE:HA	3	1.09
(2,2081)	1:116:A:ILE:HD13	1:116:A:ILE:HA	3	1.09
(2,2081)	1:116:A:ILE:HD11	1:116:A:ILE:HA	5	1.09
(2,2081)	1:116:A:ILE:HD12	1:116:A:ILE:HA	5	1.09
(2,2081)	1:116:A:ILE:HD13	1:116:A:ILE:HA	5	1.09
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB1	11	1.09
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB2	11	1.09
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB3	11	1.09
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG21	4	1.09
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG22	4	1.09
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG23	4	1.09
(2,1742)	1:30:A:VAL:HG11	1:29:A:ASP:HB2	11	1.09
(2,1742)	1:30:A:VAL:HG12	1:29:A:ASP:HB2	11	1.09
(2,1742)	1:30:A:VAL:HG13	1:29:A:ASP:HB2	11	1.09
(2,1511)	1:24:A:LYS:HE2	1:24:A:LYS:HB2	5	1.09
(2,1220)	1:50:A:LEU:HD11	1:50:A:LEU:HA	4	1.09
(2,1220)	1:50:A:LEU:HD12	1:50:A:LEU:HA	4	1.09
(2,1220)	1:50:A:LEU:HD13	1:50:A:LEU:HA	4	1.09
(2,1220)	1:50:A:LEU:HD11	1:50:A:LEU:HA	8	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1220)	1:50:A:LEU:HD12	1:50:A:LEU:HA	8	1.09
(2,1220)	1:50:A:LEU:HD13	1:50:A:LEU:HA	8	1.09
(2,1220)	1:50:A:LEU:HD11	1:50:A:LEU:HA	11	1.09
(2,1220)	1:50:A:LEU:HD12	1:50:A:LEU:HA	11	1.09
(2,1220)	1:50:A:LEU:HD13	1:50:A:LEU:HA	11	1.09
(2,1220)	1:50:A:LEU:HD11	1:50:A:LEU:HA	14	1.09
(2,1220)	1:50:A:LEU:HD12	1:50:A:LEU:HA	14	1.09
(2,1220)	1:50:A:LEU:HD13	1:50:A:LEU:HA	14	1.09
(2,1220)	1:50:A:LEU:HD11	1:50:A:LEU:HA	16	1.09
(2,1220)	1:50:A:LEU:HD12	1:50:A:LEU:HA	16	1.09
(2,1220)	1:50:A:LEU:HD13	1:50:A:LEU:HA	16	1.09
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG21	13	1.09
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG22	13	1.09
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG23	13	1.09
(2,1021)	1:128:A:GLU:HG2	1:95:A:ALA:HB1	10	1.09
(2,1021)	1:128:A:GLU:HG2	1:95:A:ALA:HB2	10	1.09
(2,1021)	1:128:A:GLU:HG2	1:95:A:ALA:HB3	10	1.09
(2,525)	1:86:A:PHE:HD1	1:142:A:LEU:HG	11	1.09
(2,525)	1:86:A:PHE:HD2	1:142:A:LEU:HG	11	1.09
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD11	19	1.09
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD12	19	1.09
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD13	19	1.09
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD11	5	1.09
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD12	5	1.09
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD13	5	1.09
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD1	4	1.09
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD2	4	1.09
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD1	4	1.09
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD2	4	1.09
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD1	4	1.09
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD2	4	1.09
(3,310)	1:18:A:ILE:HG12	1:55:A:PRO:HD3	10	1.08
(2,5367)	1:87:A:GLY:HA2	1:14:A:ASN:HD22	18	1.08
(2,5100)	1:133:A:LEU:HB2	1:138:A:HIS:H	6	1.08
(2,4981)	1:111:A:PRO:HG2	1:112:A:ARG:HE	2	1.08
(2,4480)	1:26:A:LEU:HD11	1:25:A:GLN:H	6	1.08
(2,4480)	1:26:A:LEU:HD12	1:25:A:GLN:H	6	1.08
(2,4480)	1:26:A:LEU:HD13	1:25:A:GLN:H	6	1.08
(2,4000)	1:75:A:GLU:HG2	1:75:A:GLU:H	10	1.08
(2,4000)	1:75:A:GLU:HG2	1:75:A:GLU:H	11	1.08
(2,3774)	1:174:A:LEU:HD11	1:174:A:LEU:H	15	1.08
(2,3774)	1:174:A:LEU:HD12	1:174:A:LEU:H	15	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3774)	1:174:A:LEU:HD13	1:174:A:LEU:H	15	1.08
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD11	13	1.08
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD12	13	1.08
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD13	13	1.08
(2,3464)	1:170:A:LEU:HB3	1:165:A:SER:HA	14	1.08
(2,3396)	1:162:A:LYS:HG2	1:158:A:GLU:HA	1	1.08
(2,3396)	1:162:A:LYS:HG2	1:158:A:GLU:HA	20	1.08
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD11	13	1.08
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD12	13	1.08
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD13	13	1.08
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD11	5	1.08
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD12	5	1.08
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD13	5	1.08
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD11	5	1.08
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD12	5	1.08
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD13	5	1.08
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD11	5	1.08
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD12	5	1.08
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD13	5	1.08
(2,3145)	1:158:A:GLU:HA	1:162:A:LYS:HG2	1	1.08
(2,3145)	1:158:A:GLU:HA	1:162:A:LYS:HG2	20	1.08
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG21	5	1.08
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG22	5	1.08
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG23	5	1.08
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG21	5	1.08
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG22	5	1.08
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG23	5	1.08
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG21	5	1.08
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG22	5	1.08
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG23	5	1.08
(2,2944)	1:110:A:GLU:HB2	1:111:A:PRO:HD2	20	1.08
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD3	6	1.08
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD2	6	1.08
(2,2891)	1:112:A:ARG:HD2	1:109:A:ILE:HA	11	1.08
(2,2891)	1:112:A:ARG:HD2	1:109:A:ILE:HA	13	1.08
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG21	15	1.08
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG22	15	1.08
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG23	15	1.08
(2,2844)	1:116:A:ILE:HG12	1:106:A:ARG:HD2	20	1.08
(2,2606)	1:85:A:LEU:HD11	1:85:A:LEU:HA	11	1.08
(2,2606)	1:85:A:LEU:HD12	1:85:A:LEU:HA	11	1.08
(2,2606)	1:85:A:LEU:HD13	1:85:A:LEU:HA	11	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2606)	1:85:A:LEU:HD11	1:85:A:LEU:HA	13	1.08
(2,2606)	1:85:A:LEU:HD12	1:85:A:LEU:HA	13	1.08
(2,2606)	1:85:A:LEU:HD13	1:85:A:LEU:HA	13	1.08
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD11	6	1.08
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD12	6	1.08
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD13	6	1.08
(2,2500)	1:81:A:LYS:HD3	1:78:A:PHE:HA	15	1.08
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG2	1	1.08
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG3	1	1.08
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG2	10	1.08
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG3	10	1.08
(2,2298)	1:41:A:LYS:HE3	1:75:A:GLU:HG3	7	1.08
(2,2298)	1:41:A:LYS:HE3	1:75:A:GLU:HG3	18	1.08
(2,2026)	1:43:A:ASP:HB3	1:44:A:LEU:HD11	13	1.08
(2,2026)	1:43:A:ASP:HB3	1:44:A:LEU:HD12	13	1.08
(2,2026)	1:43:A:ASP:HB3	1:44:A:LEU:HD13	13	1.08
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB1	1	1.08
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB2	1	1.08
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB3	1	1.08
(2,1511)	1:24:A:LYS:HE2	1:24:A:LYS:HB2	12	1.08
(2,1466)	1:16:A:GLU:HG3	1:17:A:ASN:HB2	9	1.08
(2,1220)	1:50:A:LEU:HD11	1:50:A:LEU:HA	1	1.08
(2,1220)	1:50:A:LEU:HD12	1:50:A:LEU:HA	1	1.08
(2,1220)	1:50:A:LEU:HD13	1:50:A:LEU:HA	1	1.08
(2,1220)	1:50:A:LEU:HD11	1:50:A:LEU:HA	3	1.08
(2,1220)	1:50:A:LEU:HD12	1:50:A:LEU:HA	3	1.08
(2,1220)	1:50:A:LEU:HD13	1:50:A:LEU:HA	3	1.08
(2,1220)	1:50:A:LEU:HD11	1:50:A:LEU:HA	9	1.08
(2,1220)	1:50:A:LEU:HD12	1:50:A:LEU:HA	9	1.08
(2,1220)	1:50:A:LEU:HD13	1:50:A:LEU:HA	9	1.08
(2,1178)	1:28:A:LYS:HD2	1:28:A:LYS:HA	4	1.08
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG21	6	1.08
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG22	6	1.08
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG23	6	1.08
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD21	18	1.08
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD22	18	1.08
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD23	18	1.08
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD21	18	1.08
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD22	18	1.08
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD23	18	1.08
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD21	18	1.08
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD22	18	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD23	18	1.08
(2,982)	1:157:A:VAL:HG11	1:142:A:LEU:HG	8	1.08
(2,982)	1:157:A:VAL:HG12	1:142:A:LEU:HG	8	1.08
(2,982)	1:157:A:VAL:HG13	1:142:A:LEU:HG	8	1.08
(2,963)	1:157:A:VAL:HG21	1:142:A:LEU:HG	6	1.08
(2,963)	1:157:A:VAL:HG22	1:142:A:LEU:HG	6	1.08
(2,963)	1:157:A:VAL:HG23	1:142:A:LEU:HG	6	1.08
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG21	12	1.08
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG22	12	1.08
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG23	12	1.08
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG21	16	1.08
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG22	16	1.08
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG23	16	1.08
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG21	18	1.08
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG22	18	1.08
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG23	18	1.08
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	3	1.08
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	3	1.08
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	3	1.08
(2,525)	1:86:A:PHE:HD1	1:142:A:LEU:HG	12	1.08
(2,525)	1:86:A:PHE:HD2	1:142:A:LEU:HG	12	1.08
(2,171)	1:52:A:LEU:HB2	1:66:A:TRP:HZ2	16	1.08
(2,119)	1:120:A:TRP:H	1:160:A:TRP:HD1	16	1.08
(2,81)	1:105:A:ILE:HB	1:70:A:PHE:HZ	12	1.08
(2,81)	1:105:A:ILE:HB	1:70:A:PHE:HZ	17	1.08
(3,688)	1:92:A:GLU:HB3	1:91:A:GLN:HE21	1	1.07
(3,648)	1:120:A:TRP:HH2	1:163:A:GLN:H	13	1.07
(3,273)	1:144:A:ILE:HG12	1:149:A:GLN:HA	2	1.07
(2,5175)	1:156:A:ARG:HD3	1:151:A:GLU:H	1	1.07
(2,5160)	1:146:A:GLU:H	1:148:A:ARG:H	11	1.07
(2,4784)	1:113:A:GLY:HA2	1:78:A:PHE:H	16	1.07
(2,4557)	1:38:A:LYS:HD2	1:37:A:ALA:H	14	1.07
(2,4358)	1:50:A:LEU:HD11	1:5:A:GLY:H	14	1.07
(2,4358)	1:50:A:LEU:HD12	1:5:A:GLY:H	14	1.07
(2,4358)	1:50:A:LEU:HD13	1:5:A:GLY:H	14	1.07
(2,4000)	1:75:A:GLU:HG2	1:75:A:GLU:H	9	1.07
(2,3966)	1:108:A:ILE:HG12	1:108:A:ILE:H	17	1.07
(2,3882)	1:26:A:LEU:HD21	1:26:A:LEU:H	5	1.07
(2,3882)	1:26:A:LEU:HD22	1:26:A:LEU:H	5	1.07
(2,3882)	1:26:A:LEU:HD23	1:26:A:LEU:H	5	1.07
(2,3774)	1:174:A:LEU:HD11	1:174:A:LEU:H	7	1.07
(2,3774)	1:174:A:LEU:HD12	1:174:A:LEU:H	7	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3774)	1:174:A:LEU:HD13	1:174:A:LEU:H	7	1.07
(2,3660)	1:24:A:LYS:HG3	1:21:A:MET:H	17	1.07
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD11	4	1.07
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD12	4	1.07
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD13	4	1.07
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD21	3	1.07
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD22	3	1.07
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD23	3	1.07
(2,3391)	1:159:A:LYS:HE2	1:158:A:GLU:HB2	16	1.07
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG11	4	1.07
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG12	4	1.07
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG13	4	1.07
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD11	19	1.07
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD12	19	1.07
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD13	19	1.07
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD11	1	1.07
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD12	1	1.07
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD13	1	1.07
(2,2972)	1:81:A:LYS:HD3	1:114:A:ALA:HA	19	1.07
(2,2944)	1:110:A:GLU:HB2	1:111:A:PRO:HD2	12	1.07
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD11	19	1.07
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD12	19	1.07
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD13	19	1.07
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD11	19	1.07
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD12	19	1.07
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD13	19	1.07
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD11	19	1.07
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD12	19	1.07
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD13	19	1.07
(2,2606)	1:85:A:LEU:HD11	1:85:A:LEU:HA	6	1.07
(2,2606)	1:85:A:LEU:HD12	1:85:A:LEU:HA	6	1.07
(2,2606)	1:85:A:LEU:HD13	1:85:A:LEU:HA	6	1.07
(2,2606)	1:85:A:LEU:HD11	1:85:A:LEU:HA	12	1.07
(2,2606)	1:85:A:LEU:HD12	1:85:A:LEU:HA	12	1.07
(2,2606)	1:85:A:LEU:HD13	1:85:A:LEU:HA	12	1.07
(2,2473)	1:168:A:LEU:HD21	1:165:A:SER:HA	11	1.07
(2,2473)	1:168:A:LEU:HD22	1:165:A:SER:HA	11	1.07
(2,2473)	1:168:A:LEU:HD23	1:165:A:SER:HA	11	1.07
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD11	11	1.07
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD12	11	1.07
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD13	11	1.07
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD11	11	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD12	11	1.07
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD13	11	1.07
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD11	11	1.07
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD12	11	1.07
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD13	11	1.07
(2,2180)	1:161:A:VAL:HG11	1:162:A:LYS:HD2	1	1.07
(2,2180)	1:161:A:VAL:HG12	1:162:A:LYS:HD2	1	1.07
(2,2180)	1:161:A:VAL:HG13	1:162:A:LYS:HD2	1	1.07
(2,2081)	1:116:A:ILE:HD11	1:116:A:ILE:HA	9	1.07
(2,2081)	1:116:A:ILE:HD12	1:116:A:ILE:HA	9	1.07
(2,2081)	1:116:A:ILE:HD13	1:116:A:ILE:HA	9	1.07
(2,2081)	1:116:A:ILE:HD11	1:116:A:ILE:HA	11	1.07
(2,2081)	1:116:A:ILE:HD12	1:116:A:ILE:HA	11	1.07
(2,2081)	1:116:A:ILE:HD13	1:116:A:ILE:HA	11	1.07
(2,2081)	1:116:A:ILE:HD11	1:116:A:ILE:HA	13	1.07
(2,2081)	1:116:A:ILE:HD12	1:116:A:ILE:HA	13	1.07
(2,2081)	1:116:A:ILE:HD13	1:116:A:ILE:HA	13	1.07
(2,2081)	1:116:A:ILE:HD11	1:116:A:ILE:HA	16	1.07
(2,2081)	1:116:A:ILE:HD12	1:116:A:ILE:HA	16	1.07
(2,2081)	1:116:A:ILE:HD13	1:116:A:ILE:HA	16	1.07
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB1	15	1.07
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB2	15	1.07
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB3	15	1.07
(2,1825)	1:148:A:ARG:HE	1:149:A:GLN:HG2	18	1.07
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB1	2	1.07
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB2	2	1.07
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB3	2	1.07
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB1	5	1.07
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB2	5	1.07
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB3	5	1.07
(2,1576)	1:25:A:GLN:HG2	1:22:A:ILE:HA	18	1.07
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD11	5	1.07
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD12	5	1.07
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD13	5	1.07
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD11	5	1.07
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD12	5	1.07
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD13	5	1.07
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD11	5	1.07
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD12	5	1.07
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD13	5	1.07
(2,1466)	1:16:A:GLU:HG3	1:17:A:ASN:HB2	10	1.07
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD11	3	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD12	3	1.07
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD13	3	1.07
(2,1220)	1:50:A:LEU:HD11	1:50:A:LEU:HA	7	1.07
(2,1220)	1:50:A:LEU:HD12	1:50:A:LEU:HA	7	1.07
(2,1220)	1:50:A:LEU:HD13	1:50:A:LEU:HA	7	1.07
(2,1183)	1:76:A:ILE:HG12	1:73:A:LEU:HA	14	1.07
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG21	9	1.07
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG22	9	1.07
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG23	9	1.07
(2,791)	1:38:A:LYS:HA	1:38:A:LYS:HD3	14	1.07
(2,525)	1:86:A:PHE:HD1	1:142:A:LEU:HG	8	1.07
(2,525)	1:86:A:PHE:HD2	1:142:A:LEU:HG	8	1.07
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD21	12	1.07
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD22	12	1.07
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD23	12	1.07
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD21	12	1.07
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD22	12	1.07
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD23	12	1.07
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE1	13	1.07
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE2	13	1.07
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE1	13	1.07
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE2	13	1.07
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE1	13	1.07
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE2	13	1.07
(3,307)	1:30:A:VAL:H	1:173:A:ILE:HG21	11	1.06
(3,307)	1:30:A:VAL:H	1:173:A:ILE:HG22	11	1.06
(3,307)	1:30:A:VAL:H	1:173:A:ILE:HG23	11	1.06
(3,273)	1:144:A:ILE:HG12	1:149:A:GLN:HA	13	1.06
(3,35)	1:158:A:GLU:H	1:120:A:TRP:HZ2	13	1.06
(2,5367)	1:87:A:GLY:HA2	1:14:A:ASN:HD22	8	1.06
(2,5345)	1:174:A:LEU:HG	1:175:A:ASN:HD22	9	1.06
(2,5328)	1:173:A:ILE:HG12	1:172:A:GLU:H	15	1.06
(2,5147)	1:146:A:GLU:HB3	1:145:A:ASP:H	2	1.06
(2,4901)	1:128:A:GLU:HB2	1:98:A:PHE:H	1	1.06
(2,4639)	1:82:A:LEU:HB3	1:49:A:ILE:H	5	1.06
(2,4633)	1:3:A:ILE:HG12	1:48:A:ASP:H	5	1.06
(2,4359)	1:49:A:ILE:HG12	1:5:A:GLY:H	6	1.06
(2,4115)	1:170:A:LEU:HD11	1:169:A:HIS:H	8	1.06
(2,4115)	1:170:A:LEU:HD12	1:169:A:HIS:H	8	1.06
(2,4115)	1:170:A:LEU:HD13	1:169:A:HIS:H	8	1.06
(2,4008)	1:148:A:ARG:HB3	1:149:A:GLN:H	7	1.06
(2,4000)	1:75:A:GLU:HG2	1:75:A:GLU:H	2	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4000)	1:75:A:GLU:HG2	1:75:A:GLU:H	16	1.06
(2,3987)	1:49:A:ILE:HD11	1:170:A:LEU:H	2	1.06
(2,3987)	1:49:A:ILE:HD12	1:170:A:LEU:H	2	1.06
(2,3987)	1:49:A:ILE:HD13	1:170:A:LEU:H	2	1.06
(2,3966)	1:108:A:ILE:HG12	1:108:A:ILE:H	6	1.06
(2,3966)	1:108:A:ILE:HG12	1:108:A:ILE:H	20	1.06
(2,3774)	1:174:A:LEU:HD11	1:174:A:LEU:H	5	1.06
(2,3774)	1:174:A:LEU:HD12	1:174:A:LEU:H	5	1.06
(2,3774)	1:174:A:LEU:HD13	1:174:A:LEU:H	5	1.06
(2,3774)	1:174:A:LEU:HD11	1:174:A:LEU:H	16	1.06
(2,3774)	1:174:A:LEU:HD12	1:174:A:LEU:H	16	1.06
(2,3774)	1:174:A:LEU:HD13	1:174:A:LEU:H	16	1.06
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD21	7	1.06
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD22	7	1.06
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD23	7	1.06
(2,3437)	1:170:A:LEU:HG	1:164:A:ILE:HA	3	1.06
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG11	5	1.06
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG12	5	1.06
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG13	5	1.06
(2,3299)	1:88:A:CYS:HB2	1:18:A:ILE:HG12	5	1.06
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD11	3	1.06
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD12	3	1.06
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD13	3	1.06
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD11	3	1.06
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD12	3	1.06
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD13	3	1.06
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD11	3	1.06
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD12	3	1.06
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD13	3	1.06
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD11	4	1.06
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD12	4	1.06
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD13	4	1.06
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD11	4	1.06
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD12	4	1.06
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD13	4	1.06
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD11	4	1.06
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD12	4	1.06
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD13	4	1.06
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD11	9	1.06
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD12	9	1.06
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD13	9	1.06
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD11	9	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD12	9	1.06
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD13	9	1.06
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD11	9	1.06
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD12	9	1.06
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD13	9	1.06
(2,3109)	1:125:A:TYR:HE1	1:128:A:GLU:HG2	13	1.06
(2,3109)	1:125:A:TYR:HE2	1:128:A:GLU:HG2	13	1.06
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG21	3	1.06
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG22	3	1.06
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG23	3	1.06
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG21	3	1.06
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG22	3	1.06
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG23	3	1.06
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG21	3	1.06
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG22	3	1.06
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG23	3	1.06
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG21	4	1.06
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG22	4	1.06
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG23	4	1.06
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG21	4	1.06
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG22	4	1.06
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG23	4	1.06
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG21	4	1.06
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG22	4	1.06
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG23	4	1.06
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG21	9	1.06
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG22	9	1.06
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG23	9	1.06
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG21	9	1.06
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG22	9	1.06
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG23	9	1.06
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG21	9	1.06
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG22	9	1.06
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG23	9	1.06
(2,2944)	1:110:A:GLU:HB2	1:111:A:PRO:HD2	15	1.06
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD3	3	1.06
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD2	3	1.06
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG21	11	1.06
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG22	11	1.06
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG23	11	1.06
(2,2844)	1:116:A:ILE:HG12	1:106:A:ARG:HD2	16	1.06
(2,2844)	1:116:A:ILE:HG12	1:106:A:ARG:HD2	17	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2606)	1:85:A:LEU:HD11	1:85:A:LEU:HA	4	1.06
(2,2606)	1:85:A:LEU:HD12	1:85:A:LEU:HA	4	1.06
(2,2606)	1:85:A:LEU:HD13	1:85:A:LEU:HA	4	1.06
(2,2606)	1:85:A:LEU:HD11	1:85:A:LEU:HA	17	1.06
(2,2606)	1:85:A:LEU:HD12	1:85:A:LEU:HA	17	1.06
(2,2606)	1:85:A:LEU:HD13	1:85:A:LEU:HA	17	1.06
(2,2606)	1:85:A:LEU:HD11	1:85:A:LEU:HA	19	1.06
(2,2606)	1:85:A:LEU:HD12	1:85:A:LEU:HA	19	1.06
(2,2606)	1:85:A:LEU:HD13	1:85:A:LEU:HA	19	1.06
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG21	5	1.06
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG22	5	1.06
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG23	5	1.06
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG21	5	1.06
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG22	5	1.06
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG23	5	1.06
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG21	5	1.06
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG22	5	1.06
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG23	5	1.06
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD11	7	1.06
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD12	7	1.06
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD13	7	1.06
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD11	7	1.06
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD12	7	1.06
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD13	7	1.06
(2,1958)	1:17:A:ASN:HA	1:20:A:LYS:HE3	14	1.06
(2,1825)	1:148:A:ARG:HE	1:149:A:GLN:HG2	8	1.06
(2,1731)	1:27:A:GLY:HA2	1:24:A:LYS:HD2	9	1.06
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG11	12	1.06
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG12	12	1.06
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG13	12	1.06
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD11	3	1.06
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD12	3	1.06
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD13	3	1.06
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD11	6	1.06
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD12	6	1.06
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD13	6	1.06
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD11	6	1.06
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD12	6	1.06
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD13	6	1.06
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD11	6	1.06
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD12	6	1.06
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD13	6	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1465)	1:18:A:ILE:HD11	1:17:A:ASN:HB2	3	1.06
(2,1465)	1:18:A:ILE:HD12	1:17:A:ASN:HB2	3	1.06
(2,1465)	1:18:A:ILE:HD13	1:17:A:ASN:HB2	3	1.06
(2,1252)	1:85:A:LEU:HD11	1:109:A:ILE:HD11	2	1.06
(2,1252)	1:85:A:LEU:HD11	1:109:A:ILE:HD12	2	1.06
(2,1252)	1:85:A:LEU:HD11	1:109:A:ILE:HD13	2	1.06
(2,1252)	1:85:A:LEU:HD12	1:109:A:ILE:HD11	2	1.06
(2,1252)	1:85:A:LEU:HD12	1:109:A:ILE:HD12	2	1.06
(2,1252)	1:85:A:LEU:HD12	1:109:A:ILE:HD13	2	1.06
(2,1252)	1:85:A:LEU:HD13	1:109:A:ILE:HD11	2	1.06
(2,1252)	1:85:A:LEU:HD13	1:109:A:ILE:HD12	2	1.06
(2,1252)	1:85:A:LEU:HD13	1:109:A:ILE:HD13	2	1.06
(2,1220)	1:50:A:LEU:HD11	1:50:A:LEU:HA	12	1.06
(2,1220)	1:50:A:LEU:HD12	1:50:A:LEU:HA	12	1.06
(2,1220)	1:50:A:LEU:HD13	1:50:A:LEU:HA	12	1.06
(2,1220)	1:50:A:LEU:HD11	1:50:A:LEU:HA	18	1.06
(2,1220)	1:50:A:LEU:HD12	1:50:A:LEU:HA	18	1.06
(2,1220)	1:50:A:LEU:HD13	1:50:A:LEU:HA	18	1.06
(2,1183)	1:76:A:ILE:HG12	1:73:A:LEU:HA	9	1.06
(2,1113)	1:170:A:LEU:HD11	1:4:A:THR:HB	11	1.06
(2,1113)	1:170:A:LEU:HD12	1:4:A:THR:HB	11	1.06
(2,1113)	1:170:A:LEU:HD13	1:4:A:THR:HB	11	1.06
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG21	7	1.06
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG22	7	1.06
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG23	7	1.06
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG21	10	1.06
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG22	10	1.06
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG23	10	1.06
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG21	17	1.06
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG22	17	1.06
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG23	17	1.06
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD11	6	1.06
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD12	6	1.06
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD13	6	1.06
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD11	13	1.06
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD12	13	1.06
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD13	13	1.06
(2,450)	1:25:A:GLN:HE21	1:161:A:VAL:HB	14	1.06
(2,450)	1:25:A:GLN:HE21	1:161:A:VAL:HB	19	1.06
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD1	11	1.06
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD2	11	1.06
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD1	11	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD2	11	1.06
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE1	12	1.06
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE2	12	1.06
(3,648)	1:120:A:TRP:HH2	1:163:A:GLN:H	6	1.05
(3,58)	1:142:A:LEU:HG	1:144:A:ILE:HD11	4	1.05
(3,58)	1:142:A:LEU:HG	1:144:A:ILE:HD12	4	1.05
(3,58)	1:142:A:LEU:HG	1:144:A:ILE:HD13	4	1.05
(2,5385)	1:170:A:LEU:HD11	1:173:A:ILE:H	3	1.05
(2,5385)	1:170:A:LEU:HD12	1:173:A:ILE:H	3	1.05
(2,5385)	1:170:A:LEU:HD13	1:173:A:ILE:H	3	1.05
(2,5177)	1:146:A:GLU:HB2	1:151:A:GLU:H	4	1.05
(2,4879)	1:91:A:GLN:HG2	1:95:A:ALA:H	11	1.05
(2,4866)	1:91:A:GLN:HG3	1:93:A:ASP:H	3	1.05
(2,4866)	1:91:A:GLN:HG3	1:93:A:ASP:H	19	1.05
(2,4857)	1:149:A:GLN:HG3	1:91:A:GLN:H	14	1.05
(2,4596)	1:170:A:LEU:HD11	1:173:A:ILE:H	3	1.05
(2,4596)	1:170:A:LEU:HD12	1:173:A:ILE:H	3	1.05
(2,4596)	1:170:A:LEU:HD13	1:173:A:ILE:H	3	1.05
(2,4493)	1:26:A:LEU:HD11	1:26:A:LEU:H	3	1.05
(2,4493)	1:26:A:LEU:HD12	1:26:A:LEU:H	3	1.05
(2,4493)	1:26:A:LEU:HD13	1:26:A:LEU:H	3	1.05
(2,3966)	1:108:A:ILE:HG12	1:108:A:ILE:H	7	1.05
(2,3966)	1:108:A:ILE:HG12	1:108:A:ILE:H	8	1.05
(2,3884)	1:26:A:LEU:HD11	1:26:A:LEU:H	3	1.05
(2,3884)	1:26:A:LEU:HD12	1:26:A:LEU:H	3	1.05
(2,3884)	1:26:A:LEU:HD13	1:26:A:LEU:H	3	1.05
(2,3704)	1:151:A:GLU:HG2	1:151:A:GLU:H	2	1.05
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD11	3	1.05
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD12	3	1.05
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD13	3	1.05
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD11	16	1.05
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD12	16	1.05
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD13	16	1.05
(2,3425)	1:131:A:LYS:HB3	1:131:A:LYS:HE2	11	1.05
(2,3305)	1:152:A:LEU:HD21	1:151:A:GLU:HG3	5	1.05
(2,3305)	1:152:A:LEU:HD22	1:151:A:GLU:HG3	5	1.05
(2,3305)	1:152:A:LEU:HD23	1:151:A:GLU:HG3	5	1.05
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD11	14	1.05
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD12	14	1.05
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD13	14	1.05
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB2	15	1.05
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB3	15	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2839)	1:107:A:ASP:HA	1:106:A:ARG:HD3	11	1.05
(2,2606)	1:85:A:LEU:HD11	1:85:A:LEU:HA	5	1.05
(2,2606)	1:85:A:LEU:HD12	1:85:A:LEU:HA	5	1.05
(2,2606)	1:85:A:LEU:HD13	1:85:A:LEU:HA	5	1.05
(2,2606)	1:85:A:LEU:HD11	1:85:A:LEU:HA	16	1.05
(2,2606)	1:85:A:LEU:HD12	1:85:A:LEU:HA	16	1.05
(2,2606)	1:85:A:LEU:HD13	1:85:A:LEU:HA	16	1.05
(2,2520)	1:79:A:ASN:HB2	1:113:A:GLY:HA2	15	1.05
(2,2081)	1:116:A:ILE:HD11	1:116:A:ILE:HA	2	1.05
(2,2081)	1:116:A:ILE:HD12	1:116:A:ILE:HA	2	1.05
(2,2081)	1:116:A:ILE:HD13	1:116:A:ILE:HA	2	1.05
(2,2081)	1:116:A:ILE:HD11	1:116:A:ILE:HA	17	1.05
(2,2081)	1:116:A:ILE:HD12	1:116:A:ILE:HA	17	1.05
(2,2081)	1:116:A:ILE:HD13	1:116:A:ILE:HA	17	1.05
(2,2038)	1:52:A:LEU:HD21	1:44:A:LEU:HD21	12	1.05
(2,2038)	1:52:A:LEU:HD21	1:44:A:LEU:HD22	12	1.05
(2,2038)	1:52:A:LEU:HD21	1:44:A:LEU:HD23	12	1.05
(2,2038)	1:52:A:LEU:HD22	1:44:A:LEU:HD21	12	1.05
(2,2038)	1:52:A:LEU:HD22	1:44:A:LEU:HD22	12	1.05
(2,2038)	1:52:A:LEU:HD22	1:44:A:LEU:HD23	12	1.05
(2,2038)	1:52:A:LEU:HD23	1:44:A:LEU:HD21	12	1.05
(2,2038)	1:52:A:LEU:HD23	1:44:A:LEU:HD22	12	1.05
(2,2038)	1:52:A:LEU:HD23	1:44:A:LEU:HD23	12	1.05
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB1	17	1.05
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB2	17	1.05
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB3	17	1.05
(2,1717)	1:158:A:GLU:HG2	1:155:A:GLU:HA	11	1.05
(2,1466)	1:16:A:GLU:HG3	1:17:A:ASN:HB2	13	1.05
(2,1203)	1:30:A:VAL:HG11	1:174:A:LEU:HA	7	1.05
(2,1203)	1:30:A:VAL:HG12	1:174:A:LEU:HA	7	1.05
(2,1203)	1:30:A:VAL:HG13	1:174:A:LEU:HA	7	1.05
(2,1131)	1:105:A:ILE:HG12	1:102:A:LEU:HA	19	1.05
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG21	9	1.05
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG22	9	1.05
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG23	9	1.05
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG21	2	1.05
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG22	2	1.05
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG23	2	1.05
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG21	11	1.05
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG22	11	1.05
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG23	11	1.05
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG21	19	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG22	19	1.05
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG23	19	1.05
(2,792)	1:17:A:ASN:HA	1:20:A:LYS:HD2	14	1.05
(2,746)	1:169:A:HIS:HB2	1:172:A:GLU:HG2	20	1.05
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	7	1.05
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	7	1.05
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	7	1.05
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	15	1.05
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	15	1.05
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	15	1.05
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD11	14	1.05
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD12	14	1.05
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD13	14	1.05
(2,81)	1:105:A:ILE:HB	1:70:A:PHE:HZ	19	1.05
(3,310)	1:18:A:ILE:HG12	1:55:A:PRO:HD3	20	1.04
(2,5367)	1:87:A:GLY:HA2	1:14:A:ASN:HD22	15	1.04
(2,5328)	1:173:A:ILE:HG12	1:172:A:GLU:H	11	1.04
(2,5269)	1:167:A:GLU:HB3	1:164:A:ILE:H	4	1.04
(2,5189)	1:156:A:ARG:HG2	1:153:A:THR:H	2	1.04
(2,5171)	1:145:A:ASP:HB3	1:149:A:GLN:H	8	1.04
(2,5112)	1:133:A:LEU:HD11	1:140:A:VAL:H	2	1.04
(2,5112)	1:133:A:LEU:HD12	1:140:A:VAL:H	2	1.04
(2,5112)	1:133:A:LEU:HD13	1:140:A:VAL:H	2	1.04
(2,5078)	1:140:A:VAL:HB	1:134:A:ALA:H	8	1.04
(2,5075)	1:140:A:VAL:HB	1:134:A:ALA:H	8	1.04
(2,4734)	1:65:A:ASP:H	1:69:A:PHE:H	9	1.04
(2,4734)	1:65:A:ASP:H	1:69:A:PHE:H	15	1.04
(2,4639)	1:82:A:LEU:HB3	1:49:A:ILE:H	10	1.04
(2,4639)	1:82:A:LEU:HB3	1:49:A:ILE:H	13	1.04
(2,4115)	1:170:A:LEU:HD11	1:169:A:HIS:H	14	1.04
(2,4115)	1:170:A:LEU:HD12	1:169:A:HIS:H	14	1.04
(2,4115)	1:170:A:LEU:HD13	1:169:A:HIS:H	14	1.04
(2,4007)	1:20:A:LYS:HD2	1:20:A:LYS:H	9	1.04
(2,4007)	1:20:A:LYS:HD2	1:20:A:LYS:H	14	1.04
(2,4007)	1:20:A:LYS:HD2	1:20:A:LYS:H	17	1.04
(2,4007)	1:20:A:LYS:HD2	1:20:A:LYS:H	20	1.04
(2,3966)	1:108:A:ILE:HG12	1:108:A:ILE:H	10	1.04
(2,3966)	1:108:A:ILE:HG12	1:108:A:ILE:H	12	1.04
(2,3774)	1:174:A:LEU:HD11	1:174:A:LEU:H	1	1.04
(2,3774)	1:174:A:LEU:HD12	1:174:A:LEU:H	1	1.04
(2,3774)	1:174:A:LEU:HD13	1:174:A:LEU:H	1	1.04
(2,3660)	1:24:A:LYS:HG3	1:21:A:MET:H	1	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3660)	1:24:A:LYS:HG3	1:21:A:MET:H	15	1.04
(2,3437)	1:170:A:LEU:HG	1:164:A:ILE:HA	14	1.04
(2,3391)	1:159:A:LYS:HE2	1:158:A:GLU:HB2	6	1.04
(2,3259)	1:41:A:LYS:HG3	1:42:A:GLU:HG3	12	1.04
(2,3257)	1:115:A:THR:HA	1:110:A:GLU:HG3	13	1.04
(2,2891)	1:112:A:ARG:HD2	1:109:A:ILE:HA	10	1.04
(2,2726)	1:102:A:LEU:HG	1:99:A:CYS:HB2	2	1.04
(2,2568)	1:168:A:LEU:H	1:82:A:LEU:HD21	7	1.04
(2,2568)	1:168:A:LEU:H	1:82:A:LEU:HD22	7	1.04
(2,2568)	1:168:A:LEU:H	1:82:A:LEU:HD23	7	1.04
(2,2461)	1:74:A:GLU:HG2	1:75:A:GLU:HG3	9	1.04
(2,2180)	1:161:A:VAL:HG11	1:162:A:LYS:HD2	15	1.04
(2,2180)	1:161:A:VAL:HG12	1:162:A:LYS:HD2	15	1.04
(2,2180)	1:161:A:VAL:HG13	1:162:A:LYS:HD2	15	1.04
(2,2081)	1:116:A:ILE:HD11	1:116:A:ILE:HA	19	1.04
(2,2081)	1:116:A:ILE:HD12	1:116:A:ILE:HA	19	1.04
(2,2081)	1:116:A:ILE:HD13	1:116:A:ILE:HA	19	1.04
(2,2081)	1:116:A:ILE:HD11	1:116:A:ILE:HA	20	1.04
(2,2081)	1:116:A:ILE:HD12	1:116:A:ILE:HA	20	1.04
(2,2081)	1:116:A:ILE:HD13	1:116:A:ILE:HA	20	1.04
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB1	7	1.04
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB2	7	1.04
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB3	7	1.04
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB1	20	1.04
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB2	20	1.04
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB3	20	1.04
(2,1742)	1:30:A:VAL:HG11	1:29:A:ASP:HB2	8	1.04
(2,1742)	1:30:A:VAL:HG12	1:29:A:ASP:HB2	8	1.04
(2,1742)	1:30:A:VAL:HG13	1:29:A:ASP:HB2	8	1.04
(2,1659)	1:34:A:HIS:HB2	1:38:A:LYS:HE3	9	1.04
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG11	8	1.04
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG12	8	1.04
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG13	8	1.04
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD21	18	1.04
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD22	18	1.04
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD23	18	1.04
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD21	18	1.04
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD22	18	1.04
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD23	18	1.04
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD21	18	1.04
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD22	18	1.04
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD23	18	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG21	15	1.04
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG22	15	1.04
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG23	15	1.04
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG21	20	1.04
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG22	20	1.04
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG23	20	1.04
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	17	1.04
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	17	1.04
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	17	1.04
(2,525)	1:86:A:PHE:HD1	1:142:A:LEU:HG	6	1.04
(2,525)	1:86:A:PHE:HD2	1:142:A:LEU:HG	6	1.04
(2,437)	1:134:A:ALA:H	1:140:A:VAL:HB	8	1.04
(2,171)	1:52:A:LEU:HB2	1:66:A:TRP:HZ2	4	1.04
(2,64)	1:61:A:GLU:HG3	1:58:A:TYR:HD1	14	1.04
(2,64)	1:61:A:GLU:HG3	1:58:A:TYR:HD2	14	1.04
(2,5310)	1:166:A:GLU:HB3	1:169:A:HIS:H	7	1.03
(2,5269)	1:167:A:GLU:HB3	1:164:A:ILE:H	14	1.03
(2,5171)	1:145:A:ASP:HB3	1:149:A:GLN:H	16	1.03
(2,5167)	1:92:A:GLU:HB2	1:148:A:ARG:H	19	1.03
(2,5137)	1:142:A:LEU:HD11	1:143:A:ALA:H	8	1.03
(2,5137)	1:142:A:LEU:HD12	1:143:A:ALA:H	8	1.03
(2,5137)	1:142:A:LEU:HD13	1:143:A:ALA:H	8	1.03
(2,4866)	1:91:A:GLN:HG3	1:93:A:ASP:H	16	1.03
(2,4708)	1:61:A:GLU:HB2	1:63:A:GLN:H	4	1.03
(2,4639)	1:82:A:LEU:HB3	1:49:A:ILE:H	14	1.03
(2,4129)	1:111:A:PRO:HD3	1:109:A:ILE:H	20	1.03
(2,4007)	1:20:A:LYS:HD2	1:20:A:LYS:H	18	1.03
(2,3794)	1:152:A:LEU:HB3	1:156:A:ARG:H	15	1.03
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	8	1.03
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	8	1.03
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	8	1.03
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	8	1.03
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	8	1.03
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	8	1.03
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD11	14	1.03
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD12	14	1.03
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD13	14	1.03
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG21	8	1.03
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG22	8	1.03
(2,3383)	1:158:A:GLU:HG2	1:157:A:VAL:HG23	8	1.03
(2,3376)	1:21:A:MET:HG3	1:157:A:VAL:HG11	19	1.03
(2,3376)	1:21:A:MET:HG3	1:157:A:VAL:HG12	19	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3376)	1:21:A:MET:HG3	1:157:A:VAL:HG13	19	1.03
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD11	9	1.03
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD12	9	1.03
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD13	9	1.03
(2,2944)	1:110:A:GLU:HB2	1:111:A:PRO:HD2	11	1.03
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD3	10	1.03
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD2	10	1.03
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB1	8	1.03
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB2	8	1.03
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB3	8	1.03
(2,2473)	1:168:A:LEU:HD21	1:165:A:SER:HA	7	1.03
(2,2473)	1:168:A:LEU:HD22	1:165:A:SER:HA	7	1.03
(2,2473)	1:168:A:LEU:HD23	1:165:A:SER:HA	7	1.03
(2,2081)	1:116:A:ILE:HD11	1:116:A:ILE:HA	8	1.03
(2,2081)	1:116:A:ILE:HD12	1:116:A:ILE:HA	8	1.03
(2,2081)	1:116:A:ILE:HD13	1:116:A:ILE:HA	8	1.03
(2,2081)	1:116:A:ILE:HD11	1:116:A:ILE:HA	15	1.03
(2,2081)	1:116:A:ILE:HD12	1:116:A:ILE:HA	15	1.03
(2,2081)	1:116:A:ILE:HD13	1:116:A:ILE:HA	15	1.03
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB1	18	1.03
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB2	18	1.03
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB3	18	1.03
(2,2038)	1:52:A:LEU:HD21	1:44:A:LEU:HD21	5	1.03
(2,2038)	1:52:A:LEU:HD21	1:44:A:LEU:HD22	5	1.03
(2,2038)	1:52:A:LEU:HD21	1:44:A:LEU:HD23	5	1.03
(2,2038)	1:52:A:LEU:HD22	1:44:A:LEU:HD21	5	1.03
(2,2038)	1:52:A:LEU:HD22	1:44:A:LEU:HD22	5	1.03
(2,2038)	1:52:A:LEU:HD22	1:44:A:LEU:HD23	5	1.03
(2,2038)	1:52:A:LEU:HD23	1:44:A:LEU:HD21	5	1.03
(2,2038)	1:52:A:LEU:HD23	1:44:A:LEU:HD22	5	1.03
(2,2038)	1:52:A:LEU:HD23	1:44:A:LEU:HD23	5	1.03
(2,2023)	1:50:A:LEU:HD21	1:44:A:LEU:HD11	17	1.03
(2,2023)	1:50:A:LEU:HD21	1:44:A:LEU:HD12	17	1.03
(2,2023)	1:50:A:LEU:HD21	1:44:A:LEU:HD13	17	1.03
(2,2023)	1:50:A:LEU:HD22	1:44:A:LEU:HD11	17	1.03
(2,2023)	1:50:A:LEU:HD22	1:44:A:LEU:HD12	17	1.03
(2,2023)	1:50:A:LEU:HD22	1:44:A:LEU:HD13	17	1.03
(2,2023)	1:50:A:LEU:HD23	1:44:A:LEU:HD11	17	1.03
(2,2023)	1:50:A:LEU:HD23	1:44:A:LEU:HD12	17	1.03
(2,2023)	1:50:A:LEU:HD23	1:44:A:LEU:HD13	17	1.03
(2,1958)	1:17:A:ASN:HA	1:20:A:LYS:HE3	12	1.03
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB3	8	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB2	8	1.03
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB1	4	1.03
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB2	4	1.03
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB3	4	1.03
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB1	13	1.03
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB2	13	1.03
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB3	13	1.03
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG21	1	1.03
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG22	1	1.03
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG23	1	1.03
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG21	13	1.03
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG22	13	1.03
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG23	13	1.03
(2,1731)	1:27:A:GLY:HA2	1:24:A:LYS:HD2	19	1.03
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG11	18	1.03
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG12	18	1.03
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG13	18	1.03
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD11	4	1.03
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD12	4	1.03
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD13	4	1.03
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD11	4	1.03
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD12	4	1.03
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD13	4	1.03
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD11	4	1.03
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD12	4	1.03
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD13	4	1.03
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD11	16	1.03
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD12	16	1.03
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD13	16	1.03
(2,1252)	1:85:A:LEU:HD11	1:109:A:ILE:HD11	8	1.03
(2,1252)	1:85:A:LEU:HD11	1:109:A:ILE:HD12	8	1.03
(2,1252)	1:85:A:LEU:HD11	1:109:A:ILE:HD13	8	1.03
(2,1252)	1:85:A:LEU:HD12	1:109:A:ILE:HD11	8	1.03
(2,1252)	1:85:A:LEU:HD12	1:109:A:ILE:HD12	8	1.03
(2,1252)	1:85:A:LEU:HD12	1:109:A:ILE:HD13	8	1.03
(2,1252)	1:85:A:LEU:HD13	1:109:A:ILE:HD11	8	1.03
(2,1252)	1:85:A:LEU:HD13	1:109:A:ILE:HD12	8	1.03
(2,1252)	1:85:A:LEU:HD13	1:109:A:ILE:HD13	8	1.03
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG21	7	1.03
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG22	7	1.03
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG23	7	1.03
(2,783)	1:76:A:ILE:HA	1:41:A:LYS:HD2	11	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,525)	1:86:A:PHE:HD1	1:142:A:LEU:HG	10	1.03
(2,525)	1:86:A:PHE:HD2	1:142:A:LEU:HG	10	1.03
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD11	4	1.03
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD12	4	1.03
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD13	4	1.03
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD11	6	1.03
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD12	6	1.03
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD13	6	1.03
(3,35)	1:158:A:GLU:H	1:120:A:TRP:HZ2	12	1.02
(2,5355)	1:142:A:LEU:HD11	1:120:A:TRP:HE1	4	1.02
(2,5355)	1:142:A:LEU:HD12	1:120:A:TRP:HE1	4	1.02
(2,5355)	1:142:A:LEU:HD13	1:120:A:TRP:HE1	4	1.02
(2,5211)	1:152:A:LEU:HD21	1:156:A:ARG:H	5	1.02
(2,5211)	1:152:A:LEU:HD22	1:156:A:ARG:H	5	1.02
(2,5211)	1:152:A:LEU:HD23	1:156:A:ARG:H	5	1.02
(2,4784)	1:113:A:GLY:HA2	1:78:A:PHE:H	14	1.02
(2,4734)	1:65:A:ASP:H	1:69:A:PHE:H	5	1.02
(2,4537)	1:38:A:LYS:HD2	1:35:A:ASP:H	10	1.02
(2,4509)	1:28:A:LYS:HG3	1:30:A:VAL:H	18	1.02
(2,4115)	1:170:A:LEU:HD11	1:169:A:HIS:H	19	1.02
(2,4115)	1:170:A:LEU:HD12	1:169:A:HIS:H	19	1.02
(2,4115)	1:170:A:LEU:HD13	1:169:A:HIS:H	19	1.02
(2,4008)	1:148:A:ARG:HB3	1:149:A:GLN:H	18	1.02
(2,4007)	1:20:A:LYS:HD2	1:20:A:LYS:H	12	1.02
(2,4000)	1:75:A:GLU:HG2	1:75:A:GLU:H	5	1.02
(2,3896)	1:26:A:LEU:HD11	1:24:A:LYS:H	7	1.02
(2,3896)	1:26:A:LEU:HD12	1:24:A:LYS:H	7	1.02
(2,3896)	1:26:A:LEU:HD13	1:24:A:LYS:H	7	1.02
(2,3660)	1:24:A:LYS:HG3	1:21:A:MET:H	9	1.02
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD11	3	1.02
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD12	3	1.02
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD13	3	1.02
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD11	7	1.02
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD12	7	1.02
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD13	7	1.02
(2,3481)	1:49:A:ILE:HG12	1:168:A:LEU:HD21	3	1.02
(2,3481)	1:49:A:ILE:HG12	1:168:A:LEU:HD22	3	1.02
(2,3481)	1:49:A:ILE:HG12	1:168:A:LEU:HD23	3	1.02
(2,3463)	1:170:A:LEU:HD11	1:165:A:SER:HB2	18	1.02
(2,3463)	1:170:A:LEU:HD12	1:165:A:SER:HB2	18	1.02
(2,3463)	1:170:A:LEU:HD13	1:165:A:SER:HB2	18	1.02
(2,3433)	1:162:A:LYS:H	1:163:A:GLN:HG3	4	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3294)	1:151:A:GLU:HG3	1:150:A:PRO:HA	1	1.02
(2,3259)	1:41:A:LYS:HG3	1:42:A:GLU:HG3	11	1.02
(2,3257)	1:115:A:THR:HA	1:110:A:GLU:HG3	5	1.02
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD11	6	1.02
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD12	6	1.02
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD13	6	1.02
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD11	6	1.02
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD12	6	1.02
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD13	6	1.02
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD11	6	1.02
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD12	6	1.02
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD13	6	1.02
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD11	8	1.02
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD12	8	1.02
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD13	8	1.02
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG21	6	1.02
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG22	6	1.02
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG23	6	1.02
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG21	6	1.02
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG22	6	1.02
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG23	6	1.02
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG21	6	1.02
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG22	6	1.02
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG23	6	1.02
(2,3062)	1:133:A:LEU:HD11	1:122:A:THR:HA	13	1.02
(2,3062)	1:133:A:LEU:HD12	1:122:A:THR:HA	13	1.02
(2,3062)	1:133:A:LEU:HD13	1:122:A:THR:HA	13	1.02
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB1	12	1.02
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB2	12	1.02
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB3	12	1.02
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB1	12	1.02
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB2	12	1.02
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB3	12	1.02
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB1	12	1.02
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB2	12	1.02
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB3	12	1.02
(2,1825)	1:148:A:ARG:HE	1:149:A:GLN:HG2	15	1.02
(2,1735)	1:28:A:LYS:HG3	1:29:A:ASP:HA	1	1.02
(2,1735)	1:28:A:LYS:HG3	1:29:A:ASP:HA	2	1.02
(2,1735)	1:28:A:LYS:HG3	1:29:A:ASP:HA	10	1.02
(2,1721)	1:24:A:LYS:HE2	1:28:A:LYS:HB2	19	1.02
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD11	20	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD12	20	1.02
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD13	20	1.02
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD11	18	1.02
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD12	18	1.02
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD13	18	1.02
(2,1183)	1:76:A:ILE:HG12	1:73:A:LEU:HA	11	1.02
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD21	6	1.02
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD22	6	1.02
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD23	6	1.02
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG21	19	1.02
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG22	19	1.02
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG23	19	1.02
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG21	3	1.02
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG22	3	1.02
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG23	3	1.02
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD21	19	1.02
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD22	19	1.02
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD23	19	1.02
(2,746)	1:169:A:HIS:HB2	1:172:A:GLU:HG2	3	1.02
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	5	1.02
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	5	1.02
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	5	1.02
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD11	4	1.02
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD12	4	1.02
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD13	4	1.02
(2,525)	1:86:A:PHE:HD1	1:142:A:LEU:HG	7	1.02
(2,525)	1:86:A:PHE:HD2	1:142:A:LEU:HG	7	1.02
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD11	11	1.02
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD12	11	1.02
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD13	11	1.02
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD1	12	1.02
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD2	12	1.02
(2,171)	1:52:A:LEU:HB2	1:66:A:TRP:HZ2	14	1.02
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE1	9	1.02
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE2	9	1.02
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE1	9	1.02
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE2	9	1.02
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE1	9	1.02
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE2	9	1.02
(3,310)	1:18:A:ILE:HG12	1:55:A:PRO:HD3	19	1.01
(3,35)	1:158:A:GLU:H	1:120:A:TRP:HZ2	5	1.01
(3,35)	1:158:A:GLU:H	1:120:A:TRP:HZ2	7	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5328)	1:173:A:ILE:HG12	1:172:A:GLU:H	2	1.01
(2,5100)	1:133:A:LEU:HB2	1:138:A:HIS:H	1	1.01
(2,5059)	1:131:A:LYS:HG3	1:130:A:SER:H	10	1.01
(2,4784)	1:113:A:GLY:HA2	1:78:A:PHE:H	17	1.01
(2,4734)	1:65:A:ASP:H	1:69:A:PHE:H	19	1.01
(2,4148)	1:15:A:THR:HG21	1:53:A:GLY:H	10	1.01
(2,4148)	1:15:A:THR:HG22	1:53:A:GLY:H	10	1.01
(2,4148)	1:15:A:THR:HG23	1:53:A:GLY:H	10	1.01
(2,4000)	1:75:A:GLU:HG2	1:75:A:GLU:H	1	1.01
(2,3966)	1:108:A:ILE:HG12	1:108:A:ILE:H	1	1.01
(2,3896)	1:26:A:LEU:HD11	1:24:A:LYS:H	10	1.01
(2,3896)	1:26:A:LEU:HD12	1:24:A:LYS:H	10	1.01
(2,3896)	1:26:A:LEU:HD13	1:24:A:LYS:H	10	1.01
(2,3896)	1:26:A:LEU:HD11	1:24:A:LYS:H	18	1.01
(2,3896)	1:26:A:LEU:HD12	1:24:A:LYS:H	18	1.01
(2,3896)	1:26:A:LEU:HD13	1:24:A:LYS:H	18	1.01
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD21	16	1.01
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD22	16	1.01
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD23	16	1.01
(2,3299)	1:88:A:CYS:HB2	1:18:A:ILE:HG12	15	1.01
(2,3062)	1:133:A:LEU:HD11	1:122:A:THR:HA	18	1.01
(2,3062)	1:133:A:LEU:HD12	1:122:A:THR:HA	18	1.01
(2,3062)	1:133:A:LEU:HD13	1:122:A:THR:HA	18	1.01
(2,2985)	1:163:A:GLN:HG2	1:160:A:TRP:HA	11	1.01
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD3	4	1.01
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD2	4	1.01
(2,2726)	1:102:A:LEU:HG	1:99:A:CYS:HB2	11	1.01
(2,2473)	1:168:A:LEU:HD21	1:165:A:SER:HA	4	1.01
(2,2473)	1:168:A:LEU:HD22	1:165:A:SER:HA	4	1.01
(2,2473)	1:168:A:LEU:HD23	1:165:A:SER:HA	4	1.01
(2,2461)	1:74:A:GLU:HG2	1:75:A:GLU:HG3	2	1.01
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG21	12	1.01
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG22	12	1.01
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG23	12	1.01
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG21	12	1.01
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG22	12	1.01
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG23	12	1.01
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG21	12	1.01
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG22	12	1.01
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG23	12	1.01
(2,2173)	1:49:A:ILE:HG12	1:82:A:LEU:HB3	8	1.01
(2,2081)	1:116:A:ILE:HD11	1:116:A:ILE:HA	14	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2081)	1:116:A:ILE:HD12	1:116:A:ILE:HA	14	1.01
(2,2081)	1:116:A:ILE:HD13	1:116:A:ILE:HA	14	1.01
(2,1925)	1:38:A:LYS:HE2	1:39:A:SER:HB3	14	1.01
(2,1906)	1:100:A:ASP:HB2	1:131:A:LYS:HD2	6	1.01
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB1	10	1.01
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB2	10	1.01
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB3	10	1.01
(2,1576)	1:25:A:GLN:HG2	1:22:A:ILE:HA	17	1.01
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD11	5	1.01
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD12	5	1.01
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD13	5	1.01
(2,1183)	1:76:A:ILE:HG12	1:73:A:LEU:HA	6	1.01
(2,1183)	1:76:A:ILE:HG12	1:73:A:LEU:HA	17	1.01
(2,1180)	1:68:A:ASP:HB2	1:65:A:ASP:HA	20	1.01
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG21	15	1.01
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG22	15	1.01
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG23	15	1.01
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG21	8	1.01
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG22	8	1.01
(2,882)	1:84:A:ALA:HA	1:83:A:VAL:HG23	8	1.01
(2,792)	1:17:A:ASN:HA	1:20:A:LYS:HD2	9	1.01
(2,792)	1:17:A:ASN:HA	1:20:A:LYS:HD2	12	1.01
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	2	1.01
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	2	1.01
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	2	1.01
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD11	20	1.01
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD12	20	1.01
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD13	20	1.01
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD1	3	1.01
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD2	3	1.01
(3,648)	1:120:A:TRP:HH2	1:163:A:GLN:H	5	1.0
(3,519)	1:140:A:VAL:HG21	1:104:A:THR:H	1	1.0
(3,519)	1:140:A:VAL:HG22	1:104:A:THR:H	1	1.0
(3,519)	1:140:A:VAL:HG23	1:104:A:THR:H	1	1.0
(3,488)	1:148:A:ARG:HD2	1:93:A:ASP:H	19	1.0
(3,310)	1:18:A:ILE:HG12	1:55:A:PRO:HD3	1	1.0
(3,35)	1:158:A:GLU:H	1:120:A:TRP:HZ2	9	1.0
(2,5300)	1:82:A:LEU:HD21	1:168:A:LEU:H	19	1.0
(2,5300)	1:82:A:LEU:HD22	1:168:A:LEU:H	19	1.0
(2,5300)	1:82:A:LEU:HD23	1:168:A:LEU:H	19	1.0
(2,5100)	1:133:A:LEU:HB2	1:138:A:HIS:H	9	1.0
(2,4886)	1:96:A:GLU:HG3	1:96:A:GLU:H	16	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4866)	1:91:A:GLN:HG3	1:93:A:ASP:H	13	1.0
(2,4537)	1:38:A:LYS:HD2	1:35:A:ASP:H	16	1.0
(2,4000)	1:75:A:GLU:HG2	1:75:A:GLU:H	7	1.0
(2,3965)	1:111:A:PRO:HD2	1:108:A:ILE:H	1	1.0
(2,3965)	1:111:A:PRO:HD2	1:108:A:ILE:H	13	1.0
(2,3827)	1:145:A:ASP:HB2	1:147:A:ASP:H	2	1.0
(2,3827)	1:145:A:ASP:HB2	1:147:A:ASP:H	12	1.0
(2,3660)	1:24:A:LYS:HG3	1:21:A:MET:H	8	1.0
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD21	12	1.0
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD22	12	1.0
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD23	12	1.0
(2,3480)	1:82:A:LEU:HD21	1:168:A:LEU:HD21	13	1.0
(2,3480)	1:82:A:LEU:HD21	1:168:A:LEU:HD22	13	1.0
(2,3480)	1:82:A:LEU:HD21	1:168:A:LEU:HD23	13	1.0
(2,3480)	1:82:A:LEU:HD22	1:168:A:LEU:HD21	13	1.0
(2,3480)	1:82:A:LEU:HD22	1:168:A:LEU:HD22	13	1.0
(2,3480)	1:82:A:LEU:HD22	1:168:A:LEU:HD23	13	1.0
(2,3480)	1:82:A:LEU:HD23	1:168:A:LEU:HD21	13	1.0
(2,3480)	1:82:A:LEU:HD23	1:168:A:LEU:HD22	13	1.0
(2,3480)	1:82:A:LEU:HD23	1:168:A:LEU:HD23	13	1.0
(2,3431)	1:162:A:LYS:HA	1:163:A:GLN:HG3	3	1.0
(2,3259)	1:41:A:LYS:HG3	1:42:A:GLU:HG3	14	1.0
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD11	17	1.0
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD12	17	1.0
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD13	17	1.0
(2,2844)	1:116:A:ILE:HG12	1:106:A:ARG:HD2	14	1.0
(2,2839)	1:107:A:ASP:HA	1:106:A:ARG:HD3	15	1.0
(2,2564)	1:150:A:PRO:HA	1:144:A:ILE:HG12	14	1.0
(2,2275)	1:158:A:GLU:HG3	1:155:A:GLU:HA	15	1.0
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD21	14	1.0
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD22	14	1.0
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD23	14	1.0
(2,2038)	1:52:A:LEU:HD21	1:44:A:LEU:HD21	7	1.0
(2,2038)	1:52:A:LEU:HD21	1:44:A:LEU:HD22	7	1.0
(2,2038)	1:52:A:LEU:HD21	1:44:A:LEU:HD23	7	1.0
(2,2038)	1:52:A:LEU:HD22	1:44:A:LEU:HD21	7	1.0
(2,2038)	1:52:A:LEU:HD22	1:44:A:LEU:HD22	7	1.0
(2,2038)	1:52:A:LEU:HD22	1:44:A:LEU:HD23	7	1.0
(2,2038)	1:52:A:LEU:HD23	1:44:A:LEU:HD21	7	1.0
(2,2038)	1:52:A:LEU:HD23	1:44:A:LEU:HD22	7	1.0
(2,2038)	1:52:A:LEU:HD23	1:44:A:LEU:HD23	7	1.0
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG21	2	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG22	2	1.0
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG23	2	1.0
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG21	19	1.0
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG22	19	1.0
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG23	19	1.0
(2,1735)	1:28:A:LYS:HG3	1:29:A:ASP:HA	7	1.0
(2,1735)	1:28:A:LYS:HG3	1:29:A:ASP:HA	13	1.0
(2,1735)	1:28:A:LYS:HG3	1:29:A:ASP:HA	16	1.0
(2,1466)	1:16:A:GLU:HG3	1:17:A:ASN:HB2	1	1.0
(2,1389)	1:16:A:GLU:HG3	1:8:A:PHE:HB2	10	1.0
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD11	4	1.0
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD12	4	1.0
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD13	4	1.0
(2,1314)	1:26:A:LEU:HG	1:4:A:THR:HB	18	1.0
(2,1183)	1:76:A:ILE:HG12	1:73:A:LEU:HA	19	1.0
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD21	12	1.0
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD22	12	1.0
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD23	12	1.0
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD21	12	1.0
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD22	12	1.0
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD23	12	1.0
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD21	12	1.0
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD22	12	1.0
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD23	12	1.0
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG11	5	1.0
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG12	5	1.0
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG13	5	1.0
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD21	2	1.0
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD22	2	1.0
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD23	2	1.0
(2,748)	1:155:A:GLU:HA	1:158:A:GLU:HG3	15	1.0
(2,171)	1:52:A:LEU:HB2	1:66:A:TRP:HZ2	11	1.0
(2,171)	1:52:A:LEU:HB2	1:66:A:TRP:HZ2	13	1.0
(2,171)	1:52:A:LEU:HB2	1:66:A:TRP:HZ2	15	1.0
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD1	12	1.0
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD2	12	1.0
(3,19)	1:63:A:GLN:HA	1:57:A:TRP:HZ2	3	0.99
(2,5310)	1:166:A:GLU:HB3	1:169:A:HIS:H	8	0.99
(2,5310)	1:166:A:GLU:HB3	1:169:A:HIS:H	17	0.99
(2,5112)	1:133:A:LEU:HD11	1:140:A:VAL:H	18	0.99
(2,5112)	1:133:A:LEU:HD12	1:140:A:VAL:H	18	0.99
(2,5112)	1:133:A:LEU:HD13	1:140:A:VAL:H	18	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4784)	1:113:A:GLY:HA2	1:78:A:PHE:H	7	0.99
(2,4775)	1:41:A:LYS:HG3	1:76:A:ILE:H	10	0.99
(2,4483)	1:162:A:LYS:HD2	1:25:A:GLN:HE22	11	0.99
(2,4358)	1:50:A:LEU:HD11	1:5:A:GLY:H	16	0.99
(2,4358)	1:50:A:LEU:HD12	1:5:A:GLY:H	16	0.99
(2,4358)	1:50:A:LEU:HD13	1:5:A:GLY:H	16	0.99
(2,4071)	1:112:A:ARG:HD2	1:112:A:ARG:H	20	0.99
(2,4052)	1:38:A:LYS:HD2	1:38:A:LYS:H	14	0.99
(2,4008)	1:148:A:ARG:HB3	1:149:A:GLN:H	5	0.99
(2,4008)	1:148:A:ARG:HB3	1:149:A:GLN:H	15	0.99
(2,4007)	1:20:A:LYS:HD2	1:20:A:LYS:H	2	0.99
(2,3896)	1:26:A:LEU:HD11	1:24:A:LYS:H	20	0.99
(2,3896)	1:26:A:LEU:HD12	1:24:A:LYS:H	20	0.99
(2,3896)	1:26:A:LEU:HD13	1:24:A:LYS:H	20	0.99
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD21	4	0.99
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD22	4	0.99
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD23	4	0.99
(2,3354)	1:162:A:LYS:H	1:163:A:GLN:HB3	11	0.99
(2,3195)	1:102:A:LEU:HD11	1:139:A:PHE:HB2	5	0.99
(2,3195)	1:102:A:LEU:HD12	1:139:A:PHE:HB2	5	0.99
(2,3195)	1:102:A:LEU:HD13	1:139:A:PHE:HB2	5	0.99
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD11	4	0.99
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD12	4	0.99
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD13	4	0.99
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD11	13	0.99
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD12	13	0.99
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD13	13	0.99
(2,2944)	1:110:A:GLU:HB2	1:111:A:PRO:HD2	14	0.99
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB1	2	0.99
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB2	2	0.99
(2,2599)	1:85:A:LEU:HB3	1:84:A:ALA:HB3	2	0.99
(2,2566)	1:168:A:LEU:H	1:164:A:ILE:HG12	16	0.99
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG21	1	0.99
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG22	1	0.99
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG23	1	0.99
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG21	1	0.99
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG22	1	0.99
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG23	1	0.99
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG21	1	0.99
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG22	1	0.99
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG23	1	0.99
(2,2023)	1:50:A:LEU:HD21	1:44:A:LEU:HD11	10	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2023)	1:50:A:LEU:HD21	1:44:A:LEU:HD12	10	0.99
(2,2023)	1:50:A:LEU:HD21	1:44:A:LEU:HD13	10	0.99
(2,2023)	1:50:A:LEU:HD22	1:44:A:LEU:HD11	10	0.99
(2,2023)	1:50:A:LEU:HD22	1:44:A:LEU:HD12	10	0.99
(2,2023)	1:50:A:LEU:HD22	1:44:A:LEU:HD13	10	0.99
(2,2023)	1:50:A:LEU:HD23	1:44:A:LEU:HD11	10	0.99
(2,2023)	1:50:A:LEU:HD23	1:44:A:LEU:HD12	10	0.99
(2,2023)	1:50:A:LEU:HD23	1:44:A:LEU:HD13	10	0.99
(2,1958)	1:17:A:ASN:HA	1:20:A:LYS:HE3	18	0.99
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB1	11	0.99
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB2	11	0.99
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB3	11	0.99
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB1	3	0.99
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB2	3	0.99
(2,1776)	1:23:A:GLN:HB3	1:31:A:ALA:HB3	3	0.99
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD11	3	0.99
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD12	3	0.99
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD13	3	0.99
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD11	3	0.99
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD12	3	0.99
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD13	3	0.99
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD11	3	0.99
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD12	3	0.99
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD13	3	0.99
(2,1396)	1:133:A:LEU:HD11	1:139:A:PHE:HA	17	0.99
(2,1396)	1:133:A:LEU:HD12	1:139:A:PHE:HA	17	0.99
(2,1396)	1:133:A:LEU:HD13	1:139:A:PHE:HA	17	0.99
(2,1183)	1:76:A:ILE:HG12	1:73:A:LEU:HA	7	0.99
(2,1183)	1:76:A:ILE:HG12	1:73:A:LEU:HA	12	0.99
(2,1180)	1:68:A:ASP:HB2	1:65:A:ASP:HA	10	0.99
(2,1113)	1:170:A:LEU:HD11	1:4:A:THR:HB	2	0.99
(2,1113)	1:170:A:LEU:HD12	1:4:A:THR:HB	2	0.99
(2,1113)	1:170:A:LEU:HD13	1:4:A:THR:HB	2	0.99
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG21	10	0.99
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG22	10	0.99
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG23	10	0.99
(2,792)	1:17:A:ASN:HA	1:20:A:LYS:HD2	18	0.99
(2,746)	1:169:A:HIS:HB2	1:172:A:GLU:HG2	11	0.99
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD21	2	0.99
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD22	2	0.99
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD23	2	0.99
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD11	1	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD12	1	0.99
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD13	1	0.99
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD1	20	0.99
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD2	20	0.99
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD1	20	0.99
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD2	20	0.99
(2,171)	1:52:A:LEU:HB2	1:66:A:TRP:HZ2	3	0.99
(3,533)	1:103:A:GLY:HA3	1:106:A:ARG:HE	12	0.98
(3,310)	1:18:A:ILE:HG12	1:55:A:PRO:HD3	11	0.98
(3,35)	1:158:A:GLU:H	1:120:A:TRP:HZ2	3	0.98
(2,5367)	1:87:A:GLY:HA2	1:14:A:ASN:HD22	11	0.98
(2,5361)	1:52:A:LEU:HD21	1:66:A:TRP:HE1	19	0.98
(2,5361)	1:52:A:LEU:HD22	1:66:A:TRP:HE1	19	0.98
(2,5361)	1:52:A:LEU:HD23	1:66:A:TRP:HE1	19	0.98
(2,5167)	1:92:A:GLU:HB2	1:148:A:ARG:H	12	0.98
(2,5163)	1:148:A:ARG:HD3	1:148:A:ARG:H	3	0.98
(2,5100)	1:133:A:LEU:HB2	1:138:A:HIS:H	17	0.98
(2,4886)	1:96:A:GLU:HG3	1:96:A:GLU:H	8	0.98
(2,4886)	1:96:A:GLU:HG3	1:96:A:GLU:H	15	0.98
(2,4784)	1:113:A:GLY:HA2	1:78:A:PHE:H	8	0.98
(2,4734)	1:65:A:ASP:H	1:69:A:PHE:H	2	0.98
(2,4708)	1:61:A:GLU:HB2	1:63:A:GLN:H	13	0.98
(2,4708)	1:61:A:GLU:HB2	1:63:A:GLN:H	15	0.98
(2,4483)	1:162:A:LYS:HD2	1:25:A:GLN:HE22	6	0.98
(2,4008)	1:148:A:ARG:HB3	1:149:A:GLN:H	14	0.98
(2,3934)	1:91:A:GLN:HG2	1:92:A:GLU:H	20	0.98
(2,3660)	1:24:A:LYS:HG3	1:21:A:MET:H	19	0.98
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD11	14	0.98
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD12	14	0.98
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD13	14	0.98
(2,3437)	1:170:A:LEU:HG	1:164:A:ILE:HA	2	0.98
(2,3396)	1:162:A:LYS:HG2	1:158:A:GLU:HA	4	0.98
(2,3396)	1:162:A:LYS:HG2	1:158:A:GLU:HA	14	0.98
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG11	5	0.98
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG12	5	0.98
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG13	5	0.98
(2,3145)	1:158:A:GLU:HA	1:162:A:LYS:HG2	4	0.98
(2,3145)	1:158:A:GLU:HA	1:162:A:LYS:HG2	14	0.98
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD11	4	0.98
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD12	4	0.98
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD13	4	0.98
(2,2972)	1:81:A:LYS:HD3	1:114:A:ALA:HA	12	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2842)	1:116:A:ILE:HG12	1:106:A:ARG:HD3	12	0.98
(2,2606)	1:85:A:LEU:HD11	1:85:A:LEU:HA	3	0.98
(2,2606)	1:85:A:LEU:HD12	1:85:A:LEU:HA	3	0.98
(2,2606)	1:85:A:LEU:HD13	1:85:A:LEU:HA	3	0.98
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD11	11	0.98
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD12	11	0.98
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD13	11	0.98
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG21	19	0.98
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG22	19	0.98
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG23	19	0.98
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG21	19	0.98
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG22	19	0.98
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG23	19	0.98
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG21	19	0.98
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG22	19	0.98
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG23	19	0.98
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB3	18	0.98
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB3	18	0.98
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB3	18	0.98
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB2	18	0.98
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB2	18	0.98
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB2	18	0.98
(2,2180)	1:161:A:VAL:HG11	1:162:A:LYS:HD2	2	0.98
(2,2180)	1:161:A:VAL:HG12	1:162:A:LYS:HD2	2	0.98
(2,2180)	1:161:A:VAL:HG13	1:162:A:LYS:HD2	2	0.98
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG21	7	0.98
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG22	7	0.98
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG23	7	0.98
(2,2038)	1:52:A:LEU:HD21	1:44:A:LEU:HD21	13	0.98
(2,2038)	1:52:A:LEU:HD21	1:44:A:LEU:HD22	13	0.98
(2,2038)	1:52:A:LEU:HD21	1:44:A:LEU:HD23	13	0.98
(2,2038)	1:52:A:LEU:HD22	1:44:A:LEU:HD21	13	0.98
(2,2038)	1:52:A:LEU:HD22	1:44:A:LEU:HD22	13	0.98
(2,2038)	1:52:A:LEU:HD22	1:44:A:LEU:HD23	13	0.98
(2,2038)	1:52:A:LEU:HD23	1:44:A:LEU:HD21	13	0.98
(2,2038)	1:52:A:LEU:HD23	1:44:A:LEU:HD22	13	0.98
(2,2038)	1:52:A:LEU:HD23	1:44:A:LEU:HD23	13	0.98
(2,1906)	1:100:A:ASP:HB2	1:131:A:LYS:HD2	5	0.98
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG21	9	0.98
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG22	9	0.98
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG23	9	0.98
(2,1731)	1:27:A:GLY:HA2	1:24:A:LYS:HD2	18	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG11	4	0.98
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG12	4	0.98
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG13	4	0.98
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG11	19	0.98
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG12	19	0.98
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG13	19	0.98
(2,1543)	1:24:A:LYS:HD2	1:24:A:LYS:HA	2	0.98
(2,1396)	1:133:A:LEU:HD11	1:139:A:PHE:HA	4	0.98
(2,1396)	1:133:A:LEU:HD12	1:139:A:PHE:HA	4	0.98
(2,1396)	1:133:A:LEU:HD13	1:139:A:PHE:HA	4	0.98
(2,1314)	1:26:A:LEU:HG	1:4:A:THR:HB	7	0.98
(2,1314)	1:26:A:LEU:HG	1:4:A:THR:HB	20	0.98
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD11	20	0.98
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD12	20	0.98
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD13	20	0.98
(2,1183)	1:76:A:ILE:HG12	1:73:A:LEU:HA	8	0.98
(2,1165)	1:24:A:LYS:HG2	1:21:A:MET:HA	7	0.98
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD11	16	0.98
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD12	16	0.98
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD13	16	0.98
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD11	16	0.98
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD12	16	0.98
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD13	16	0.98
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD11	16	0.98
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD12	16	0.98
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD13	16	0.98
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG21	4	0.98
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG22	4	0.98
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG23	4	0.98
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD21	15	0.98
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD22	15	0.98
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD23	15	0.98
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD21	15	0.98
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD22	15	0.98
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD23	15	0.98
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD21	11	0.98
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD22	11	0.98
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD23	11	0.98
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD21	17	0.98
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD22	17	0.98
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD23	17	0.98
(2,789)	1:24:A:LYS:HA	1:24:A:LYS:HD2	2	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,753)	1:128:A:GLU:HA	1:128:A:GLU:HG2	15	0.98
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG21	19	0.98
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG22	19	0.98
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG23	19	0.98
(2,525)	1:86:A:PHE:HD1	1:142:A:LEU:HG	3	0.98
(2,525)	1:86:A:PHE:HD2	1:142:A:LEU:HG	3	0.98
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD11	7	0.98
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD12	7	0.98
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD13	7	0.98
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD1	7	0.98
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD2	7	0.98
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD1	7	0.98
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD2	7	0.98
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD1	7	0.98
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD2	7	0.98
(3,648)	1:120:A:TRP:HH2	1:163:A:GLN:H	3	0.97
(2,5310)	1:166:A:GLU:HB3	1:169:A:HIS:H	1	0.97
(2,5310)	1:166:A:GLU:HB3	1:169:A:HIS:H	2	0.97
(2,5310)	1:166:A:GLU:HB3	1:169:A:HIS:H	10	0.97
(2,5211)	1:152:A:LEU:HD21	1:156:A:ARG:H	3	0.97
(2,5211)	1:152:A:LEU:HD22	1:156:A:ARG:H	3	0.97
(2,5211)	1:152:A:LEU:HD23	1:156:A:ARG:H	3	0.97
(2,5190)	1:156:A:ARG:HB3	1:153:A:THR:H	1	0.97
(2,5190)	1:156:A:ARG:HB2	1:153:A:THR:H	1	0.97
(2,5190)	1:156:A:ARG:HB3	1:153:A:THR:H	17	0.97
(2,5190)	1:156:A:ARG:HB2	1:153:A:THR:H	17	0.97
(2,5163)	1:148:A:ARG:HD3	1:148:A:ARG:H	14	0.97
(2,5078)	1:140:A:VAL:HB	1:134:A:ALA:H	17	0.97
(2,5075)	1:140:A:VAL:HB	1:134:A:ALA:H	17	0.97
(2,4857)	1:149:A:GLN:HG3	1:91:A:GLN:H	9	0.97
(2,4857)	1:149:A:GLN:HG3	1:91:A:GLN:H	11	0.97
(2,4697)	1:100:A:ASP:HB2	1:60:A:GLY:H	16	0.97
(2,4639)	1:82:A:LEU:HB3	1:49:A:ILE:H	1	0.97
(2,4634)	1:50:A:LEU:HD11	1:48:A:ASP:H	9	0.97
(2,4634)	1:50:A:LEU:HD12	1:48:A:ASP:H	9	0.97
(2,4634)	1:50:A:LEU:HD13	1:48:A:ASP:H	9	0.97
(2,4480)	1:26:A:LEU:HD11	1:25:A:GLN:H	1	0.97
(2,4480)	1:26:A:LEU:HD12	1:25:A:GLN:H	1	0.97
(2,4480)	1:26:A:LEU:HD13	1:25:A:GLN:H	1	0.97
(2,4115)	1:170:A:LEU:HD11	1:169:A:HIS:H	12	0.97
(2,4115)	1:170:A:LEU:HD12	1:169:A:HIS:H	12	0.97
(2,4115)	1:170:A:LEU:HD13	1:169:A:HIS:H	12	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4000)	1:75:A:GLU:HG2	1:75:A:GLU:H	17	0.97
(2,3704)	1:151:A:GLU:HG2	1:151:A:GLU:H	4	0.97
(2,3704)	1:151:A:GLU:HG2	1:151:A:GLU:H	7	0.97
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD11	19	0.97
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD12	19	0.97
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD13	19	0.97
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB2	2	0.97
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB3	2	0.97
(2,3005)	1:106:A:ARG:HG3	1:116:A:ILE:HD11	1	0.97
(2,3005)	1:106:A:ARG:HG3	1:116:A:ILE:HD12	1	0.97
(2,3005)	1:106:A:ARG:HG3	1:116:A:ILE:HD13	1	0.97
(2,2564)	1:150:A:PRO:HA	1:144:A:ILE:HG12	13	0.97
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD11	3	0.97
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD12	3	0.97
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD13	3	0.97
(2,2473)	1:168:A:LEU:HD21	1:165:A:SER:HA	19	0.97
(2,2473)	1:168:A:LEU:HD22	1:165:A:SER:HA	19	0.97
(2,2473)	1:168:A:LEU:HD23	1:165:A:SER:HA	19	0.97
(2,2461)	1:74:A:GLU:HG2	1:75:A:GLU:HG3	18	0.97
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG21	14	0.97
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG22	14	0.97
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG23	14	0.97
(2,1906)	1:100:A:ASP:HB2	1:131:A:LYS:HD2	1	0.97
(2,1659)	1:34:A:HIS:HB2	1:38:A:LYS:HE3	8	0.97
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD11	9	0.97
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD12	9	0.97
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD13	9	0.97
(2,1396)	1:133:A:LEU:HD11	1:139:A:PHE:HA	6	0.97
(2,1396)	1:133:A:LEU:HD12	1:139:A:PHE:HA	6	0.97
(2,1396)	1:133:A:LEU:HD13	1:139:A:PHE:HA	6	0.97
(2,1396)	1:133:A:LEU:HD11	1:139:A:PHE:HA	9	0.97
(2,1396)	1:133:A:LEU:HD12	1:139:A:PHE:HA	9	0.97
(2,1396)	1:133:A:LEU:HD13	1:139:A:PHE:HA	9	0.97
(2,1226)	1:38:A:LYS:HG2	1:38:A:LYS:HE3	16	0.97
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD21	8	0.97
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD22	8	0.97
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD23	8	0.97
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD21	8	0.97
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD22	8	0.97
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD23	8	0.97
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD21	8	0.97
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD22	8	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD23	8	0.97
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD11	9	0.97
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD12	9	0.97
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD13	9	0.97
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD11	9	0.97
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD12	9	0.97
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD13	9	0.97
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD11	9	0.97
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD12	9	0.97
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD13	9	0.97
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD21	7	0.97
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD22	7	0.97
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD23	7	0.97
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	19	0.97
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	19	0.97
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	19	0.97
(2,525)	1:86:A:PHE:HD1	1:142:A:LEU:HG	5	0.97
(2,525)	1:86:A:PHE:HD2	1:142:A:LEU:HG	5	0.97
(2,450)	1:25:A:GLN:HE21	1:161:A:VAL:HB	2	0.97
(2,437)	1:134:A:ALA:H	1:140:A:VAL:HB	17	0.97
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD1	4	0.97
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD2	4	0.97
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD1	4	0.97
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD2	4	0.97
(2,171)	1:52:A:LEU:HB2	1:66:A:TRP:HZ2	17	0.97
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD1	1	0.97
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD2	1	0.97
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD1	1	0.97
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD2	1	0.97
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD1	1	0.97
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD2	1	0.97
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD11	11	0.96
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD12	11	0.96
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD13	11	0.96
(3,35)	1:158:A:GLU:H	1:120:A:TRP:HZ2	6	0.96
(2,5328)	1:173:A:ILE:HG12	1:172:A:GLU:H	1	0.96
(2,5211)	1:152:A:LEU:HD21	1:156:A:ARG:H	11	0.96
(2,5211)	1:152:A:LEU:HD22	1:156:A:ARG:H	11	0.96
(2,5211)	1:152:A:LEU:HD23	1:156:A:ARG:H	11	0.96
(2,4982)	1:112:A:ARG:HD2	1:113:A:GLY:H	8	0.96
(2,4879)	1:91:A:GLN:HG2	1:95:A:ALA:H	14	0.96
(2,4857)	1:149:A:GLN:HG3	1:91:A:GLN:H	10	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4692)	1:61:A:GLU:HG3	1:59:A:TYR:H	15	0.96
(2,4639)	1:82:A:LEU:HB3	1:49:A:ILE:H	3	0.96
(2,4115)	1:170:A:LEU:HD11	1:169:A:HIS:H	5	0.96
(2,4115)	1:170:A:LEU:HD12	1:169:A:HIS:H	5	0.96
(2,4115)	1:170:A:LEU:HD13	1:169:A:HIS:H	5	0.96
(2,4057)	1:140:A:VAL:HG11	1:102:A:LEU:H	19	0.96
(2,4057)	1:140:A:VAL:HG12	1:102:A:LEU:H	19	0.96
(2,4057)	1:140:A:VAL:HG13	1:102:A:LEU:H	19	0.96
(2,4008)	1:148:A:ARG:HB3	1:149:A:GLN:H	9	0.96
(2,3827)	1:145:A:ASP:HB2	1:147:A:ASP:H	15	0.96
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD11	16	0.96
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD12	16	0.96
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD13	16	0.96
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD11	2	0.96
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD12	2	0.96
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD13	2	0.96
(2,3463)	1:170:A:LEU:HD11	1:165:A:SER:HB2	9	0.96
(2,3463)	1:170:A:LEU:HD12	1:165:A:SER:HB2	9	0.96
(2,3463)	1:170:A:LEU:HD13	1:165:A:SER:HB2	9	0.96
(2,3391)	1:159:A:LYS:HE2	1:158:A:GLU:HB2	2	0.96
(2,3299)	1:88:A:CYS:HB2	1:18:A:ILE:HG12	18	0.96
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD11	14	0.96
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD12	14	0.96
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD13	14	0.96
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD11	14	0.96
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD12	14	0.96
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD13	14	0.96
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD11	14	0.96
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD12	14	0.96
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD13	14	0.96
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG21	14	0.96
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG22	14	0.96
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG23	14	0.96
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG21	14	0.96
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG22	14	0.96
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG23	14	0.96
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG21	14	0.96
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG22	14	0.96
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG23	14	0.96
(2,2844)	1:116:A:ILE:HG12	1:106:A:ARG:HD2	19	0.96
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD11	2	0.96
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD12	2	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD13	2	0.96
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD11	2	0.96
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD12	2	0.96
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD13	2	0.96
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD11	2	0.96
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD12	2	0.96
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD13	2	0.96
(2,2091)	1:168:A:LEU:HB2	1:49:A:ILE:HG12	2	0.96
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB1	1	0.96
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB2	1	0.96
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB3	1	0.96
(2,1576)	1:25:A:GLN:HG2	1:22:A:ILE:HA	8	0.96
(2,1532)	1:97:A:TYR:HE1	1:96:A:GLU:HB3	7	0.96
(2,1532)	1:97:A:TYR:HE2	1:96:A:GLU:HB3	7	0.96
(2,1466)	1:16:A:GLU:HG3	1:17:A:ASN:HB2	20	0.96
(2,1429)	1:55:A:PRO:HB2	1:15:A:THR:HB	18	0.96
(2,1396)	1:133:A:LEU:HD11	1:139:A:PHE:HA	5	0.96
(2,1396)	1:133:A:LEU:HD12	1:139:A:PHE:HA	5	0.96
(2,1396)	1:133:A:LEU:HD13	1:139:A:PHE:HA	5	0.96
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG11	16	0.96
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG12	16	0.96
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG13	16	0.96
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG11	16	0.96
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG12	16	0.96
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG13	16	0.96
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG11	16	0.96
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG12	16	0.96
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG13	16	0.96
(2,1226)	1:38:A:LYS:HG2	1:38:A:LYS:HE3	18	0.96
(2,1226)	1:38:A:LYS:HG2	1:38:A:LYS:HE3	20	0.96
(2,1194)	1:96:A:GLU:HG3	1:96:A:GLU:HA	1	0.96
(2,1194)	1:96:A:GLU:HG3	1:96:A:GLU:HA	7	0.96
(2,1194)	1:96:A:GLU:HG3	1:96:A:GLU:HA	11	0.96
(2,1180)	1:68:A:ASP:HB2	1:65:A:ASP:HA	17	0.96
(2,1113)	1:170:A:LEU:HD11	1:4:A:THR:HB	14	0.96
(2,1113)	1:170:A:LEU:HD12	1:4:A:THR:HB	14	0.96
(2,1113)	1:170:A:LEU:HD13	1:4:A:THR:HB	14	0.96
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG21	10	0.96
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG22	10	0.96
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG23	10	0.96
(2,783)	1:76:A:ILE:HA	1:41:A:LYS:HD2	4	0.96
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	12	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	12	0.96
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	12	0.96
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD21	16	0.96
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD22	16	0.96
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD23	16	0.96
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD11	12	0.96
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD12	12	0.96
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD13	12	0.96
(3,688)	1:92:A:GLU:HB3	1:91:A:GLN:HE21	4	0.95
(2,5361)	1:52:A:LEU:HD21	1:66:A:TRP:HE1	3	0.95
(2,5361)	1:52:A:LEU:HD22	1:66:A:TRP:HE1	3	0.95
(2,5361)	1:52:A:LEU:HD23	1:66:A:TRP:HE1	3	0.95
(2,5328)	1:173:A:ILE:HG12	1:172:A:GLU:H	20	0.95
(2,5147)	1:146:A:GLU:HB3	1:145:A:ASP:H	4	0.95
(2,5100)	1:133:A:LEU:HB2	1:138:A:HIS:H	3	0.95
(2,4886)	1:96:A:GLU:HG3	1:96:A:GLU:H	6	0.95
(2,4886)	1:96:A:GLU:HG3	1:96:A:GLU:H	10	0.95
(2,4886)	1:96:A:GLU:HG3	1:96:A:GLU:H	20	0.95
(2,4555)	1:65:A:ASP:HB2	1:37:A:ALA:H	4	0.95
(2,4537)	1:38:A:LYS:HD2	1:35:A:ASP:H	9	0.95
(2,4490)	1:174:A:LEU:HD11	1:26:A:LEU:H	3	0.95
(2,4490)	1:174:A:LEU:HD12	1:26:A:LEU:H	3	0.95
(2,4490)	1:174:A:LEU:HD13	1:26:A:LEU:H	3	0.95
(2,4358)	1:50:A:LEU:HD11	1:5:A:GLY:H	19	0.95
(2,4358)	1:50:A:LEU:HD12	1:5:A:GLY:H	19	0.95
(2,4358)	1:50:A:LEU:HD13	1:5:A:GLY:H	19	0.95
(2,4119)	1:59:A:TYR:HB3	1:59:A:TYR:H	20	0.95
(2,4115)	1:170:A:LEU:HD11	1:169:A:HIS:H	2	0.95
(2,4115)	1:170:A:LEU:HD12	1:169:A:HIS:H	2	0.95
(2,4115)	1:170:A:LEU:HD13	1:169:A:HIS:H	2	0.95
(2,4115)	1:170:A:LEU:HD11	1:169:A:HIS:H	11	0.95
(2,4115)	1:170:A:LEU:HD12	1:169:A:HIS:H	11	0.95
(2,4115)	1:170:A:LEU:HD13	1:169:A:HIS:H	11	0.95
(2,4008)	1:148:A:ARG:HB3	1:149:A:GLN:H	17	0.95
(2,3755)	1:163:A:GLN:HB2	1:163:A:GLN:H	3	0.95
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	3	0.95
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	3	0.95
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	3	0.95
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	3	0.95
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	3	0.95
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	3	0.95
(2,3491)	1:172:A:GLU:HG2	1:169:A:HIS:HB3	12	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD21	8	0.95
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD22	8	0.95
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD23	8	0.95
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD21	15	0.95
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD22	15	0.95
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD23	15	0.95
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD21	20	0.95
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD22	20	0.95
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD23	20	0.95
(2,3437)	1:170:A:LEU:HG	1:164:A:ILE:HA	5	0.95
(2,3388)	1:112:A:ARG:HB3	1:78:A:PHE:HA	4	0.95
(2,3354)	1:162:A:LYS:H	1:163:A:GLN:HB3	6	0.95
(2,3299)	1:88:A:CYS:HB2	1:18:A:ILE:HG12	10	0.95
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD11	11	0.95
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD12	11	0.95
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD13	11	0.95
(2,3062)	1:133:A:LEU:HD11	1:122:A:THR:HA	3	0.95
(2,3062)	1:133:A:LEU:HD12	1:122:A:THR:HA	3	0.95
(2,3062)	1:133:A:LEU:HD13	1:122:A:THR:HA	3	0.95
(2,2891)	1:112:A:ARG:HD2	1:109:A:ILE:HA	14	0.95
(2,2473)	1:168:A:LEU:HD21	1:165:A:SER:HA	12	0.95
(2,2473)	1:168:A:LEU:HD22	1:165:A:SER:HA	12	0.95
(2,2473)	1:168:A:LEU:HD23	1:165:A:SER:HA	12	0.95
(2,2458)	1:169:A:HIS:HB3	1:172:A:GLU:HG2	12	0.95
(2,2275)	1:158:A:GLU:HG3	1:155:A:GLU:HA	18	0.95
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG21	14	0.95
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG22	14	0.95
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG23	14	0.95
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG21	14	0.95
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG22	14	0.95
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG23	14	0.95
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG21	14	0.95
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG22	14	0.95
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG23	14	0.95
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD21	1	0.95
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD22	1	0.95
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD23	1	0.95
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG21	10	0.95
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG22	10	0.95
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG23	10	0.95
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG21	18	0.95
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG22	18	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG23	18	0.95
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD11	5	0.95
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD12	5	0.95
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD13	5	0.95
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD11	5	0.95
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD12	5	0.95
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD13	5	0.95
(2,2026)	1:43:A:ASP:HB3	1:44:A:LEU:HD11	5	0.95
(2,2026)	1:43:A:ASP:HB3	1:44:A:LEU:HD12	5	0.95
(2,2026)	1:43:A:ASP:HB3	1:44:A:LEU:HD13	5	0.95
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD11	20	0.95
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD12	20	0.95
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD13	20	0.95
(2,1958)	1:17:A:ASN:HA	1:20:A:LYS:HE3	9	0.95
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB1	18	0.95
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB2	18	0.95
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB3	18	0.95
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG11	14	0.95
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG12	14	0.95
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG13	14	0.95
(2,1466)	1:16:A:GLU:HG3	1:17:A:ASN:HB2	15	0.95
(2,1396)	1:133:A:LEU:HD11	1:139:A:PHE:HA	15	0.95
(2,1396)	1:133:A:LEU:HD12	1:139:A:PHE:HA	15	0.95
(2,1396)	1:133:A:LEU:HD13	1:139:A:PHE:HA	15	0.95
(2,1226)	1:38:A:LYS:HG2	1:38:A:LYS:HE3	6	0.95
(2,1226)	1:38:A:LYS:HG2	1:38:A:LYS:HE3	9	0.95
(2,1226)	1:38:A:LYS:HG2	1:38:A:LYS:HE3	10	0.95
(2,1183)	1:76:A:ILE:HG12	1:73:A:LEU:HA	1	0.95
(2,1183)	1:76:A:ILE:HG12	1:73:A:LEU:HA	20	0.95
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG21	16	0.95
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG22	16	0.95
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG23	16	0.95
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG21	7	0.95
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG22	7	0.95
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG23	7	0.95
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD21	6	0.95
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD22	6	0.95
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD23	6	0.95
(2,748)	1:155:A:GLU:HA	1:158:A:GLU:HG3	18	0.95
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	9	0.95
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	9	0.95
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	9	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG21	13	0.95
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG22	13	0.95
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG23	13	0.95
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD21	12	0.95
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD22	12	0.95
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD23	12	0.95
(2,493)	1:69:A:PHE:HZ	1:44:A:LEU:HD11	13	0.95
(2,493)	1:69:A:PHE:HZ	1:44:A:LEU:HD12	13	0.95
(2,493)	1:69:A:PHE:HZ	1:44:A:LEU:HD13	13	0.95
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD1	7	0.95
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD2	7	0.95
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD1	7	0.95
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD2	7	0.95
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE1	8	0.95
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE2	8	0.95
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE1	8	0.95
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE2	8	0.95
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE1	8	0.95
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE2	8	0.95
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD1	17	0.95
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD2	17	0.95
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD1	17	0.95
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD2	17	0.95
(2,5211)	1:152:A:LEU:HD21	1:156:A:ARG:H	18	0.94
(2,5211)	1:152:A:LEU:HD22	1:156:A:ARG:H	18	0.94
(2,5211)	1:152:A:LEU:HD23	1:156:A:ARG:H	18	0.94
(2,5163)	1:148:A:ARG:HD3	1:148:A:ARG:H	19	0.94
(2,5148)	1:156:A:ARG:HG2	1:145:A:ASP:H	19	0.94
(2,5100)	1:133:A:LEU:HB2	1:138:A:HIS:H	8	0.94
(2,4734)	1:65:A:ASP:H	1:69:A:PHE:H	16	0.94
(2,4639)	1:82:A:LEU:HB3	1:49:A:ILE:H	18	0.94
(2,4493)	1:26:A:LEU:HD11	1:26:A:LEU:H	13	0.94
(2,4493)	1:26:A:LEU:HD12	1:26:A:LEU:H	13	0.94
(2,4493)	1:26:A:LEU:HD13	1:26:A:LEU:H	13	0.94
(2,4115)	1:170:A:LEU:HD11	1:169:A:HIS:H	3	0.94
(2,4115)	1:170:A:LEU:HD12	1:169:A:HIS:H	3	0.94
(2,4115)	1:170:A:LEU:HD13	1:169:A:HIS:H	3	0.94
(2,4008)	1:148:A:ARG:HB3	1:149:A:GLN:H	3	0.94
(2,4008)	1:148:A:ARG:HB3	1:149:A:GLN:H	10	0.94
(2,3884)	1:26:A:LEU:HD11	1:26:A:LEU:H	13	0.94
(2,3884)	1:26:A:LEU:HD12	1:26:A:LEU:H	13	0.94
(2,3884)	1:26:A:LEU:HD13	1:26:A:LEU:H	13	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3541)	1:66:A:TRP:HH2	1:8:A:PHE:HB2	3	0.94
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD11	4	0.94
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD12	4	0.94
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD13	4	0.94
(2,3463)	1:170:A:LEU:HD11	1:165:A:SER:HB2	4	0.94
(2,3463)	1:170:A:LEU:HD12	1:165:A:SER:HB2	4	0.94
(2,3463)	1:170:A:LEU:HD13	1:165:A:SER:HB2	4	0.94
(2,3463)	1:170:A:LEU:HD11	1:165:A:SER:HB2	7	0.94
(2,3463)	1:170:A:LEU:HD12	1:165:A:SER:HB2	7	0.94
(2,3463)	1:170:A:LEU:HD13	1:165:A:SER:HB2	7	0.94
(2,3463)	1:170:A:LEU:HD11	1:165:A:SER:HB2	17	0.94
(2,3463)	1:170:A:LEU:HD12	1:165:A:SER:HB2	17	0.94
(2,3463)	1:170:A:LEU:HD13	1:165:A:SER:HB2	17	0.94
(2,3463)	1:170:A:LEU:HD11	1:165:A:SER:HB2	20	0.94
(2,3463)	1:170:A:LEU:HD12	1:165:A:SER:HB2	20	0.94
(2,3463)	1:170:A:LEU:HD13	1:165:A:SER:HB2	20	0.94
(2,3391)	1:159:A:LYS:HE2	1:158:A:GLU:HB2	1	0.94
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG11	11	0.94
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG12	11	0.94
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG13	11	0.94
(2,3354)	1:162:A:LYS:H	1:163:A:GLN:HB3	5	0.94
(2,3354)	1:162:A:LYS:H	1:163:A:GLN:HB3	18	0.94
(2,3289)	1:90:A:ASP:HB3	1:149:A:GLN:HA	14	0.94
(2,3005)	1:106:A:ARG:HG3	1:116:A:ILE:HD11	7	0.94
(2,3005)	1:106:A:ARG:HG3	1:116:A:ILE:HD12	7	0.94
(2,3005)	1:106:A:ARG:HG3	1:116:A:ILE:HD13	7	0.94
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD3	18	0.94
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD2	18	0.94
(2,2844)	1:116:A:ILE:HG12	1:106:A:ARG:HD2	2	0.94
(2,2533)	1:47:A:TYR:HB3	1:81:A:LYS:HD3	15	0.94
(2,2473)	1:168:A:LEU:HD21	1:165:A:SER:HA	20	0.94
(2,2473)	1:168:A:LEU:HD22	1:165:A:SER:HA	20	0.94
(2,2473)	1:168:A:LEU:HD23	1:165:A:SER:HA	20	0.94
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG21	6	0.94
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG22	6	0.94
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG23	6	0.94
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG21	6	0.94
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG22	6	0.94
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG23	6	0.94
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG21	6	0.94
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG22	6	0.94
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG23	6	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB3	15	0.94
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB3	15	0.94
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB3	15	0.94
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB2	15	0.94
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB2	15	0.94
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB2	15	0.94
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB3	19	0.94
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB3	19	0.94
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB3	19	0.94
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB2	19	0.94
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB2	19	0.94
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB2	19	0.94
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD21	11	0.94
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD22	11	0.94
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD23	11	0.94
(2,2091)	1:168:A:LEU:HB2	1:49:A:ILE:HG12	13	0.94
(2,1968)	1:42:A:GLU:HG3	1:42:A:GLU:HA	2	0.94
(2,1731)	1:27:A:GLY:HA2	1:24:A:LYS:HD2	4	0.94
(2,1643)	1:44:A:LEU:HD21	1:73:A:LEU:HD21	12	0.94
(2,1643)	1:44:A:LEU:HD21	1:73:A:LEU:HD22	12	0.94
(2,1643)	1:44:A:LEU:HD21	1:73:A:LEU:HD23	12	0.94
(2,1643)	1:44:A:LEU:HD22	1:73:A:LEU:HD21	12	0.94
(2,1643)	1:44:A:LEU:HD22	1:73:A:LEU:HD22	12	0.94
(2,1643)	1:44:A:LEU:HD22	1:73:A:LEU:HD23	12	0.94
(2,1643)	1:44:A:LEU:HD23	1:73:A:LEU:HD21	12	0.94
(2,1643)	1:44:A:LEU:HD23	1:73:A:LEU:HD22	12	0.94
(2,1643)	1:44:A:LEU:HD23	1:73:A:LEU:HD23	12	0.94
(2,1396)	1:133:A:LEU:HD11	1:139:A:PHE:HA	8	0.94
(2,1396)	1:133:A:LEU:HD12	1:139:A:PHE:HA	8	0.94
(2,1396)	1:133:A:LEU:HD13	1:139:A:PHE:HA	8	0.94
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD11	7	0.94
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD12	7	0.94
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD13	7	0.94
(2,1228)	1:38:A:LYS:HB2	1:38:A:LYS:HE3	3	0.94
(2,1226)	1:38:A:LYS:HG2	1:38:A:LYS:HE3	14	0.94
(2,1226)	1:38:A:LYS:HG2	1:38:A:LYS:HE3	15	0.94
(2,1194)	1:96:A:GLU:HG3	1:96:A:GLU:HA	18	0.94
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG11	4	0.94
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG12	4	0.94
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG13	4	0.94
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG11	4	0.94
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG12	4	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG13	4	0.94
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG11	4	0.94
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG12	4	0.94
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG13	4	0.94
(2,792)	1:17:A:ASN:HA	1:20:A:LYS:HD2	17	0.94
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG21	3	0.94
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG22	3	0.94
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG23	3	0.94
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD21	3	0.94
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD22	3	0.94
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD23	3	0.94
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD21	3	0.94
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD22	3	0.94
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD23	3	0.94
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD21	12	0.94
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD22	12	0.94
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD23	12	0.94
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD21	12	0.94
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD22	12	0.94
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD23	12	0.94
(2,450)	1:25:A:GLN:HE21	1:161:A:VAL:HB	20	0.94
(2,119)	1:120:A:TRP:H	1:160:A:TRP:HD1	17	0.94
(3,609)	1:157:A:VAL:HG11	1:144:A:ILE:H	2	0.93
(3,609)	1:157:A:VAL:HG12	1:144:A:ILE:H	2	0.93
(3,609)	1:157:A:VAL:HG13	1:144:A:ILE:H	2	0.93
(3,35)	1:158:A:GLU:H	1:120:A:TRP:HZ2	15	0.93
(2,5328)	1:173:A:ILE:HG12	1:172:A:GLU:H	10	0.93
(2,5310)	1:166:A:GLU:HB3	1:169:A:HIS:H	4	0.93
(2,5124)	1:102:A:LEU:HD11	1:142:A:LEU:H	2	0.93
(2,5124)	1:102:A:LEU:HD12	1:142:A:LEU:H	2	0.93
(2,5124)	1:102:A:LEU:HD13	1:142:A:LEU:H	2	0.93
(2,4734)	1:65:A:ASP:H	1:69:A:PHE:H	3	0.93
(2,4639)	1:82:A:LEU:HB3	1:49:A:ILE:H	17	0.93
(2,3896)	1:26:A:LEU:HD11	1:24:A:LYS:H	16	0.93
(2,3896)	1:26:A:LEU:HD12	1:24:A:LYS:H	16	0.93
(2,3896)	1:26:A:LEU:HD13	1:24:A:LYS:H	16	0.93
(2,3551)	1:59:A:TYR:HE1	1:58:A:TYR:HB2	1	0.93
(2,3551)	1:59:A:TYR:HE2	1:58:A:TYR:HB2	1	0.93
(2,3541)	1:66:A:TRP:HH2	1:8:A:PHE:HB2	2	0.93
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD11	11	0.93
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD12	11	0.93
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD13	11	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD11	12	0.93
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD12	12	0.93
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD13	12	0.93
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD21	9	0.93
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD22	9	0.93
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD23	9	0.93
(2,3463)	1:170:A:LEU:HD11	1:165:A:SER:HB2	10	0.93
(2,3463)	1:170:A:LEU:HD12	1:165:A:SER:HB2	10	0.93
(2,3463)	1:170:A:LEU:HD13	1:165:A:SER:HB2	10	0.93
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD11	1	0.93
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD12	1	0.93
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD13	1	0.93
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD11	6	0.93
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD12	6	0.93
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD13	6	0.93
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD11	9	0.93
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD12	9	0.93
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD13	9	0.93
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG21	17	0.93
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG22	17	0.93
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG23	17	0.93
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG21	17	0.93
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG22	17	0.93
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG23	17	0.93
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG21	17	0.93
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG22	17	0.93
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG23	17	0.93
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG3	9	0.93
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG2	9	0.93
(2,2568)	1:168:A:LEU:H	1:82:A:LEU:HD21	8	0.93
(2,2568)	1:168:A:LEU:H	1:82:A:LEU:HD22	8	0.93
(2,2568)	1:168:A:LEU:H	1:82:A:LEU:HD23	8	0.93
(2,2520)	1:79:A:ASN:HB2	1:113:A:GLY:HA2	9	0.93
(2,2473)	1:168:A:LEU:HD21	1:165:A:SER:HA	16	0.93
(2,2473)	1:168:A:LEU:HD22	1:165:A:SER:HA	16	0.93
(2,2473)	1:168:A:LEU:HD23	1:165:A:SER:HA	16	0.93
(2,2297)	1:58:A:TYR:HB3	1:61:A:GLU:HG3	16	0.93
(2,2297)	1:58:A:TYR:HB3	1:61:A:GLU:HG2	16	0.93
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD21	7	0.93
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD22	7	0.93
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD23	7	0.93
(2,2180)	1:161:A:VAL:HG11	1:162:A:LYS:HD2	14	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2180)	1:161:A:VAL:HG12	1:162:A:LYS:HD2	14	0.93
(2,2180)	1:161:A:VAL:HG13	1:162:A:LYS:HD2	14	0.93
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG11	2	0.93
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG12	2	0.93
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG13	2	0.93
(2,1735)	1:28:A:LYS:HG3	1:29:A:ASP:HA	8	0.93
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG11	10	0.93
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG12	10	0.93
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG13	10	0.93
(2,1545)	1:168:A:LEU:HD11	1:167:A:GLU:HA	11	0.93
(2,1545)	1:168:A:LEU:HD12	1:167:A:GLU:HA	11	0.93
(2,1545)	1:168:A:LEU:HD13	1:167:A:GLU:HA	11	0.93
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD11	2	0.93
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD12	2	0.93
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD13	2	0.93
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD11	18	0.93
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD12	18	0.93
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD13	18	0.93
(2,1183)	1:76:A:ILE:HG12	1:73:A:LEU:HA	2	0.93
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD21	1	0.93
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD22	1	0.93
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD23	1	0.93
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD21	4	0.93
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD22	4	0.93
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD23	4	0.93
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG21	5	0.93
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG22	5	0.93
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG23	5	0.93
(2,831)	1:26:A:LEU:HA	1:174:A:LEU:HD11	15	0.93
(2,831)	1:26:A:LEU:HA	1:174:A:LEU:HD12	15	0.93
(2,831)	1:26:A:LEU:HA	1:174:A:LEU:HD13	15	0.93
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD11	4	0.93
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD12	4	0.93
(2,619)	1:160:A:TRP:HD1	1:142:A:LEU:HD13	4	0.93
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG21	16	0.93
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG22	16	0.93
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG23	16	0.93
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG21	17	0.93
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG22	17	0.93
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG23	17	0.93
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD21	14	0.93
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD22	14	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD23	14	0.93
(2,525)	1:86:A:PHE:HD1	1:142:A:LEU:HG	18	0.93
(2,525)	1:86:A:PHE:HD2	1:142:A:LEU:HG	18	0.93
(2,171)	1:52:A:LEU:HB2	1:66:A:TRP:HZ2	19	0.93
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE1	11	0.93
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE2	11	0.93
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE1	11	0.93
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE2	11	0.93
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE1	11	0.93
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE2	11	0.93
(2,119)	1:120:A:TRP:H	1:160:A:TRP:HD1	3	0.93
(2,119)	1:120:A:TRP:H	1:160:A:TRP:HD1	4	0.93
(3,609)	1:157:A:VAL:HG11	1:144:A:ILE:H	10	0.92
(3,609)	1:157:A:VAL:HG12	1:144:A:ILE:H	10	0.92
(3,609)	1:157:A:VAL:HG13	1:144:A:ILE:H	10	0.92
(3,533)	1:103:A:GLY:HA3	1:106:A:ARG:HE	13	0.92
(3,533)	1:103:A:GLY:HA3	1:106:A:ARG:HE	14	0.92
(3,453)	1:41:A:LYS:HD2	1:77:A:ASP:H	12	0.92
(3,310)	1:18:A:ILE:HG12	1:55:A:PRO:HD3	14	0.92
(3,66)	1:17:A:ASN:H	1:21:A:MET:HE1	3	0.92
(3,66)	1:17:A:ASN:H	1:21:A:MET:HE2	3	0.92
(3,66)	1:17:A:ASN:H	1:21:A:MET:HE3	3	0.92
(2,5367)	1:87:A:GLY:HA2	1:14:A:ASN:HD22	4	0.92
(2,5361)	1:52:A:LEU:HD21	1:66:A:TRP:HE1	6	0.92
(2,5361)	1:52:A:LEU:HD22	1:66:A:TRP:HE1	6	0.92
(2,5361)	1:52:A:LEU:HD23	1:66:A:TRP:HE1	6	0.92
(2,5344)	1:171:A:ASP:HB2	1:175:A:ASN:HD22	16	0.92
(2,5328)	1:173:A:ILE:HG12	1:172:A:GLU:H	4	0.92
(2,5324)	1:166:A:GLU:HB2	1:171:A:ASP:H	5	0.92
(2,5324)	1:166:A:GLU:HB2	1:171:A:ASP:H	6	0.92
(2,5310)	1:166:A:GLU:HB3	1:169:A:HIS:H	13	0.92
(2,5111)	1:102:A:LEU:HD11	1:140:A:VAL:H	17	0.92
(2,5111)	1:102:A:LEU:HD12	1:140:A:VAL:H	17	0.92
(2,5111)	1:102:A:LEU:HD13	1:140:A:VAL:H	17	0.92
(2,5100)	1:133:A:LEU:HB2	1:138:A:HIS:H	19	0.92
(2,5025)	1:137:A:ASP:HB3	1:123:A:ALA:H	15	0.92
(2,4879)	1:91:A:GLN:HG2	1:95:A:ALA:H	9	0.92
(2,4734)	1:65:A:ASP:H	1:69:A:PHE:H	12	0.92
(2,4639)	1:82:A:LEU:HB3	1:49:A:ILE:H	9	0.92
(2,4634)	1:50:A:LEU:HD11	1:48:A:ASP:H	19	0.92
(2,4634)	1:50:A:LEU:HD12	1:48:A:ASP:H	19	0.92
(2,4634)	1:50:A:LEU:HD13	1:48:A:ASP:H	19	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3827)	1:145:A:ASP:HB2	1:147:A:ASP:H	3	0.92
(2,3755)	1:163:A:GLN:HB2	1:163:A:GLN:H	4	0.92
(2,3650)	1:85:A:LEU:HD11	1:85:A:LEU:H	2	0.92
(2,3650)	1:85:A:LEU:HD12	1:85:A:LEU:H	2	0.92
(2,3650)	1:85:A:LEU:HD13	1:85:A:LEU:H	2	0.92
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD11	19	0.92
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD12	19	0.92
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD13	19	0.92
(2,3463)	1:170:A:LEU:HD11	1:165:A:SER:HB2	8	0.92
(2,3463)	1:170:A:LEU:HD12	1:165:A:SER:HB2	8	0.92
(2,3463)	1:170:A:LEU:HD13	1:165:A:SER:HB2	8	0.92
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD11	5	0.92
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD12	5	0.92
(2,3445)	1:82:A:LEU:HB2	1:168:A:LEU:HD13	5	0.92
(2,3385)	1:21:A:MET:HE1	1:157:A:VAL:HG21	15	0.92
(2,3385)	1:21:A:MET:HE1	1:157:A:VAL:HG22	15	0.92
(2,3385)	1:21:A:MET:HE1	1:157:A:VAL:HG23	15	0.92
(2,3385)	1:21:A:MET:HE2	1:157:A:VAL:HG21	15	0.92
(2,3385)	1:21:A:MET:HE2	1:157:A:VAL:HG22	15	0.92
(2,3385)	1:21:A:MET:HE2	1:157:A:VAL:HG23	15	0.92
(2,3385)	1:21:A:MET:HE3	1:157:A:VAL:HG21	15	0.92
(2,3385)	1:21:A:MET:HE3	1:157:A:VAL:HG22	15	0.92
(2,3385)	1:21:A:MET:HE3	1:157:A:VAL:HG23	15	0.92
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG11	6	0.92
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG12	6	0.92
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG13	6	0.92
(2,3354)	1:162:A:LYS:H	1:163:A:GLN:HB3	10	0.92
(2,3305)	1:152:A:LEU:HD21	1:151:A:GLU:HG3	4	0.92
(2,3305)	1:152:A:LEU:HD22	1:151:A:GLU:HG3	4	0.92
(2,3305)	1:152:A:LEU:HD23	1:151:A:GLU:HG3	4	0.92
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD11	17	0.92
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD12	17	0.92
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD13	17	0.92
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD11	17	0.92
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD12	17	0.92
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD13	17	0.92
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD11	17	0.92
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD12	17	0.92
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD13	17	0.92
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD11	3	0.92
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD12	3	0.92
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD13	3	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG21	17	0.92
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG22	17	0.92
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG23	17	0.92
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG21	17	0.92
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG22	17	0.92
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG23	17	0.92
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG21	17	0.92
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG22	17	0.92
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG23	17	0.92
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG21	6	0.92
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG22	6	0.92
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG23	6	0.92
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG21	6	0.92
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG22	6	0.92
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG23	6	0.92
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG21	6	0.92
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG22	6	0.92
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG23	6	0.92
(2,2891)	1:112:A:ARG:HD2	1:109:A:ILE:HA	12	0.92
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD11	17	0.92
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD12	17	0.92
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD13	17	0.92
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD11	13	0.92
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD12	13	0.92
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD13	13	0.92
(2,2473)	1:168:A:LEU:HD21	1:165:A:SER:HA	9	0.92
(2,2473)	1:168:A:LEU:HD22	1:165:A:SER:HA	9	0.92
(2,2473)	1:168:A:LEU:HD23	1:165:A:SER:HA	9	0.92
(2,2275)	1:158:A:GLU:HG3	1:155:A:GLU:HA	4	0.92
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD11	13	0.92
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD12	13	0.92
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD13	13	0.92
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD11	13	0.92
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD12	13	0.92
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD13	13	0.92
(2,2026)	1:43:A:ASP:HB3	1:44:A:LEU:HD11	14	0.92
(2,2026)	1:43:A:ASP:HB3	1:44:A:LEU:HD12	14	0.92
(2,2026)	1:43:A:ASP:HB3	1:44:A:LEU:HD13	14	0.92
(2,1906)	1:100:A:ASP:HB2	1:131:A:LYS:HD2	18	0.92
(2,1735)	1:28:A:LYS:HG3	1:29:A:ASP:HA	3	0.92
(2,1731)	1:27:A:GLY:HA2	1:24:A:LYS:HD2	12	0.92
(2,1661)	1:23:A:GLN:HE21	1:28:A:LYS:HE2	14	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1624)	1:24:A:LYS:H	1:25:A:GLN:HG2	16	0.92
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG11	13	0.92
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG12	13	0.92
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG13	13	0.92
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD11	19	0.92
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD12	19	0.92
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD13	19	0.92
(2,1396)	1:133:A:LEU:HD11	1:139:A:PHE:HA	1	0.92
(2,1396)	1:133:A:LEU:HD12	1:139:A:PHE:HA	1	0.92
(2,1396)	1:133:A:LEU:HD13	1:139:A:PHE:HA	1	0.92
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD11	13	0.92
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD12	13	0.92
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD13	13	0.92
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD11	15	0.92
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD12	15	0.92
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD13	15	0.92
(2,1180)	1:68:A:ASP:HB2	1:65:A:ASP:HA	13	0.92
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD21	9	0.92
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD22	9	0.92
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD23	9	0.92
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD11	11	0.92
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD12	11	0.92
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD13	11	0.92
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD11	11	0.92
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD12	11	0.92
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD13	11	0.92
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD11	11	0.92
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD12	11	0.92
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD13	11	0.92
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD11	19	0.92
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD12	19	0.92
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD13	19	0.92
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD11	19	0.92
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD12	19	0.92
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD13	19	0.92
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD11	19	0.92
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD12	19	0.92
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD13	19	0.92
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG21	2	0.92
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG22	2	0.92
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG23	2	0.92
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG21	11	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG22	11	0.92
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG23	11	0.92
(2,816)	1:165:A:SER:HA	1:26:A:LEU:HG	4	0.92
(2,792)	1:17:A:ASN:HA	1:20:A:LYS:HD2	20	0.92
(2,748)	1:155:A:GLU:HA	1:158:A:GLU:HG3	4	0.92
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG21	4	0.92
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG22	4	0.92
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG23	4	0.92
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD11	3	0.92
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD12	3	0.92
(2,507)	1:52:A:LEU:H	1:85:A:LEU:HD13	3	0.92
(2,171)	1:52:A:LEU:HB2	1:66:A:TRP:HZ2	6	0.92
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD11	15	0.91
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD12	15	0.91
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD13	15	0.91
(2,5310)	1:166:A:GLU:HB3	1:169:A:HIS:H	9	0.91
(2,4734)	1:65:A:ASP:H	1:69:A:PHE:H	11	0.91
(2,4708)	1:61:A:GLU:HB2	1:63:A:GLN:H	8	0.91
(2,4634)	1:50:A:LEU:HD11	1:48:A:ASP:H	4	0.91
(2,4634)	1:50:A:LEU:HD12	1:48:A:ASP:H	4	0.91
(2,4634)	1:50:A:LEU:HD13	1:48:A:ASP:H	4	0.91
(2,4607)	1:45:A:GLU:HB2	1:44:A:LEU:H	14	0.91
(2,4537)	1:38:A:LYS:HD2	1:35:A:ASP:H	6	0.91
(2,4493)	1:26:A:LEU:HD11	1:26:A:LEU:H	17	0.91
(2,4493)	1:26:A:LEU:HD12	1:26:A:LEU:H	17	0.91
(2,4493)	1:26:A:LEU:HD13	1:26:A:LEU:H	17	0.91
(2,4483)	1:162:A:LYS:HD2	1:25:A:GLN:HE22	4	0.91
(2,3884)	1:26:A:LEU:HD11	1:26:A:LEU:H	17	0.91
(2,3884)	1:26:A:LEU:HD12	1:26:A:LEU:H	17	0.91
(2,3884)	1:26:A:LEU:HD13	1:26:A:LEU:H	17	0.91
(2,3738)	1:6:A:ILE:HD11	1:22:A:ILE:H	9	0.91
(2,3738)	1:6:A:ILE:HD12	1:22:A:ILE:H	9	0.91
(2,3738)	1:6:A:ILE:HD13	1:22:A:ILE:H	9	0.91
(2,3712)	1:82:A:LEU:HD21	1:117:A:VAL:H	8	0.91
(2,3712)	1:82:A:LEU:HD22	1:117:A:VAL:H	8	0.91
(2,3712)	1:82:A:LEU:HD23	1:117:A:VAL:H	8	0.91
(2,3704)	1:151:A:GLU:HG2	1:151:A:GLU:H	9	0.91
(2,3541)	1:66:A:TRP:HH2	1:8:A:PHE:HB2	6	0.91
(2,3396)	1:162:A:LYS:HG2	1:158:A:GLU:HA	18	0.91
(2,3385)	1:21:A:MET:HE1	1:157:A:VAL:HG21	17	0.91
(2,3385)	1:21:A:MET:HE1	1:157:A:VAL:HG22	17	0.91
(2,3385)	1:21:A:MET:HE1	1:157:A:VAL:HG23	17	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3385)	1:21:A:MET:HE2	1:157:A:VAL:HG21	17	0.91
(2,3385)	1:21:A:MET:HE2	1:157:A:VAL:HG22	17	0.91
(2,3385)	1:21:A:MET:HE2	1:157:A:VAL:HG23	17	0.91
(2,3385)	1:21:A:MET:HE3	1:157:A:VAL:HG21	17	0.91
(2,3385)	1:21:A:MET:HE3	1:157:A:VAL:HG22	17	0.91
(2,3385)	1:21:A:MET:HE3	1:157:A:VAL:HG23	17	0.91
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG11	3	0.91
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG12	3	0.91
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG13	3	0.91
(2,3354)	1:162:A:LYS:H	1:163:A:GLN:HB3	20	0.91
(2,3289)	1:90:A:ASP:HB3	1:149:A:GLN:HA	19	0.91
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD11	6	0.91
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD12	6	0.91
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD13	6	0.91
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD11	16	0.91
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD12	16	0.91
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD13	16	0.91
(2,3145)	1:158:A:GLU:HA	1:162:A:LYS:HG2	18	0.91
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD11	8	0.91
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD12	8	0.91
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD13	8	0.91
(2,2944)	1:110:A:GLU:HB2	1:111:A:PRO:HD2	13	0.91
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG3	18	0.91
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG2	18	0.91
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD21	3	0.91
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD22	3	0.91
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD23	3	0.91
(2,2338)	1:158:A:GLU:HG3	1:158:A:GLU:HA	8	0.91
(2,2298)	1:41:A:LYS:HE3	1:75:A:GLU:HG3	1	0.91
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD11	3	0.91
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD12	3	0.91
(2,2187)	1:22:A:ILE:HG21	1:51:A:LEU:HD13	3	0.91
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD11	3	0.91
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD12	3	0.91
(2,2187)	1:22:A:ILE:HG22	1:51:A:LEU:HD13	3	0.91
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD11	3	0.91
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD12	3	0.91
(2,2187)	1:22:A:ILE:HG23	1:51:A:LEU:HD13	3	0.91
(2,2173)	1:49:A:ILE:HG12	1:82:A:LEU:HB3	7	0.91
(2,1958)	1:17:A:ASN:HA	1:20:A:LYS:HE3	17	0.91
(2,1772)	1:157:A:VAL:H	1:153:A:THR:HG21	5	0.91
(2,1772)	1:157:A:VAL:H	1:153:A:THR:HG22	5	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1772)	1:157:A:VAL:H	1:153:A:THR:HG23	5	0.91
(2,1735)	1:28:A:LYS:HG3	1:29:A:ASP:HA	9	0.91
(2,1735)	1:28:A:LYS:HG3	1:29:A:ASP:HA	14	0.91
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD11	4	0.91
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD12	4	0.91
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD13	4	0.91
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD11	13	0.91
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD12	13	0.91
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD13	13	0.91
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD11	13	0.91
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD12	13	0.91
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD13	13	0.91
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD11	13	0.91
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD12	13	0.91
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD13	13	0.91
(2,1466)	1:16:A:GLU:HG3	1:17:A:ASN:HB2	6	0.91
(2,1314)	1:26:A:LEU:HG	1:4:A:THR:HB	16	0.91
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD21	11	0.91
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD22	11	0.91
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD23	11	0.91
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD21	11	0.91
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD22	11	0.91
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD23	11	0.91
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD21	11	0.91
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD22	11	0.91
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD23	11	0.91
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG21	16	0.91
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG22	16	0.91
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG23	16	0.91
(2,982)	1:157:A:VAL:HG11	1:142:A:LEU:HG	2	0.91
(2,982)	1:157:A:VAL:HG12	1:142:A:LEU:HG	2	0.91
(2,982)	1:157:A:VAL:HG13	1:142:A:LEU:HG	2	0.91
(2,963)	1:157:A:VAL:HG21	1:142:A:LEU:HG	16	0.91
(2,963)	1:157:A:VAL:HG22	1:142:A:LEU:HG	16	0.91
(2,963)	1:157:A:VAL:HG23	1:142:A:LEU:HG	16	0.91
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD21	5	0.91
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD22	5	0.91
(2,879)	1:102:A:LEU:HA	1:102:A:LEU:HD23	5	0.91
(2,783)	1:76:A:ILE:HA	1:41:A:LYS:HD2	2	0.91
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG21	5	0.91
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG22	5	0.91
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG23	5	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD11	8	0.91
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD12	8	0.91
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD13	8	0.91
(2,171)	1:52:A:LEU:HB2	1:66:A:TRP:HZ2	2	0.91
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD1	15	0.91
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD2	15	0.91
(3,688)	1:92:A:GLU:HB3	1:91:A:GLN:HE21	9	0.9
(3,667)	1:172:A:GLU:HG2	1:169:A:HIS:H	8	0.9
(3,533)	1:103:A:GLY:HA3	1:106:A:ARG:HE	4	0.9
(3,533)	1:103:A:GLY:HA3	1:106:A:ARG:HE	5	0.9
(3,453)	1:41:A:LYS:HD2	1:77:A:ASP:H	13	0.9
(3,288)	1:25:A:GLN:HG2	1:161:A:VAL:HA	3	0.9
(3,105)	1:64:A:CYS:HB2	1:37:A:ALA:HA	2	0.9
(2,5269)	1:167:A:GLU:HB3	1:164:A:ILE:H	3	0.9
(2,5111)	1:102:A:LEU:HD11	1:140:A:VAL:H	6	0.9
(2,5111)	1:102:A:LEU:HD12	1:140:A:VAL:H	6	0.9
(2,5111)	1:102:A:LEU:HD13	1:140:A:VAL:H	6	0.9
(2,4981)	1:111:A:PRO:HG2	1:112:A:ARG:HE	16	0.9
(2,4965)	1:73:A:LEU:HD11	1:109:A:ILE:H	16	0.9
(2,4965)	1:73:A:LEU:HD12	1:109:A:ILE:H	16	0.9
(2,4965)	1:73:A:LEU:HD13	1:109:A:ILE:H	16	0.9
(2,4784)	1:113:A:GLY:HA2	1:78:A:PHE:H	9	0.9
(2,4784)	1:113:A:GLY:HA2	1:78:A:PHE:H	15	0.9
(2,4633)	1:3:A:ILE:HG12	1:48:A:ASP:H	1	0.9
(2,4537)	1:38:A:LYS:HD2	1:35:A:ASP:H	7	0.9
(2,4493)	1:26:A:LEU:HD11	1:26:A:LEU:H	1	0.9
(2,4493)	1:26:A:LEU:HD12	1:26:A:LEU:H	1	0.9
(2,4493)	1:26:A:LEU:HD13	1:26:A:LEU:H	1	0.9
(2,4087)	1:171:A:ASP:HB2	1:175:A:ASN:HD21	12	0.9
(2,3896)	1:26:A:LEU:HD11	1:24:A:LYS:H	2	0.9
(2,3896)	1:26:A:LEU:HD12	1:24:A:LYS:H	2	0.9
(2,3896)	1:26:A:LEU:HD13	1:24:A:LYS:H	2	0.9
(2,3884)	1:26:A:LEU:HD11	1:26:A:LEU:H	1	0.9
(2,3884)	1:26:A:LEU:HD12	1:26:A:LEU:H	1	0.9
(2,3884)	1:26:A:LEU:HD13	1:26:A:LEU:H	1	0.9
(2,3738)	1:6:A:ILE:HD11	1:22:A:ILE:H	11	0.9
(2,3738)	1:6:A:ILE:HD12	1:22:A:ILE:H	11	0.9
(2,3738)	1:6:A:ILE:HD13	1:22:A:ILE:H	11	0.9
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD21	2	0.9
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD22	2	0.9
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD23	2	0.9
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD21	10	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD22	10	0.9
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD23	10	0.9
(2,3396)	1:162:A:LYS:HG2	1:158:A:GLU:HA	3	0.9
(2,3396)	1:162:A:LYS:HG2	1:158:A:GLU:HA	9	0.9
(2,3396)	1:162:A:LYS:HG2	1:158:A:GLU:HA	11	0.9
(2,3354)	1:162:A:LYS:H	1:163:A:GLN:HB3	13	0.9
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD11	13	0.9
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD12	13	0.9
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD13	13	0.9
(2,3145)	1:158:A:GLU:HA	1:162:A:LYS:HG2	3	0.9
(2,3145)	1:158:A:GLU:HA	1:162:A:LYS:HG2	9	0.9
(2,3145)	1:158:A:GLU:HA	1:162:A:LYS:HG2	11	0.9
(2,3119)	1:149:A:GLN:HG3	1:148:A:ARG:HA	2	0.9
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG21	19	0.9
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG22	19	0.9
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG23	19	0.9
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG21	19	0.9
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG22	19	0.9
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG23	19	0.9
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG21	19	0.9
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG22	19	0.9
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG23	19	0.9
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG21	5	0.9
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG22	5	0.9
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG23	5	0.9
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD3	5	0.9
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD2	5	0.9
(2,2845)	1:175:A:ASN:HD21	1:171:A:ASP:HB2	12	0.9
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD11	6	0.9
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD12	6	0.9
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD13	6	0.9
(2,2520)	1:79:A:ASN:HB2	1:113:A:GLY:HA2	5	0.9
(2,2520)	1:79:A:ASN:HB2	1:113:A:GLY:HA2	20	0.9
(2,2479)	1:30:A:VAL:HG11	1:173:A:ILE:HB	6	0.9
(2,2479)	1:30:A:VAL:HG12	1:173:A:ILE:HB	6	0.9
(2,2479)	1:30:A:VAL:HG13	1:173:A:ILE:HB	6	0.9
(2,2298)	1:41:A:LYS:HE3	1:75:A:GLU:HG3	9	0.9
(2,2046)	1:77:A:ASP:HB3	1:45:A:GLU:HA	11	0.9
(2,1825)	1:148:A:ARG:HE	1:149:A:GLN:HG2	13	0.9
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG21	11	0.9
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG22	11	0.9
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG23	11	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1545)	1:168:A:LEU:HD11	1:167:A:GLU:HA	3	0.9
(2,1545)	1:168:A:LEU:HD12	1:167:A:GLU:HA	3	0.9
(2,1545)	1:168:A:LEU:HD13	1:167:A:GLU:HA	3	0.9
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD11	11	0.9
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD12	11	0.9
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD13	11	0.9
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG11	6	0.9
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG12	6	0.9
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG13	6	0.9
(2,1180)	1:68:A:ASP:HB2	1:65:A:ASP:HA	5	0.9
(2,1119)	1:117:A:VAL:HG11	1:164:A:ILE:HA	7	0.9
(2,1119)	1:117:A:VAL:HG12	1:164:A:ILE:HA	7	0.9
(2,1119)	1:117:A:VAL:HG13	1:164:A:ILE:HA	7	0.9
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG11	3	0.9
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG12	3	0.9
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG13	3	0.9
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG21	14	0.9
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG22	14	0.9
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG23	14	0.9
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG21	18	0.9
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG22	18	0.9
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG23	18	0.9
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG11	7	0.9
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG12	7	0.9
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG13	7	0.9
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD21	1	0.9
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD22	1	0.9
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD23	1	0.9
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD21	1	0.9
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD22	1	0.9
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD23	1	0.9
(2,119)	1:120:A:TRP:H	1:160:A:TRP:HD1	12	0.9
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD1	11	0.9
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD2	11	0.9
(3,667)	1:172:A:GLU:HG2	1:169:A:HIS:H	7	0.89
(3,533)	1:103:A:GLY:HA3	1:106:A:ARG:HE	3	0.89
(3,205)	1:110:A:GLU:HG3	1:106:A:ARG:HD3	6	0.89
(3,66)	1:17:A:ASN:H	1:21:A:MET:HE1	6	0.89
(3,66)	1:17:A:ASN:H	1:21:A:MET:HE2	6	0.89
(3,66)	1:17:A:ASN:H	1:21:A:MET:HE3	6	0.89
(2,5328)	1:173:A:ILE:HG12	1:172:A:GLU:H	5	0.89
(2,5317)	1:170:A:LEU:HB2	1:170:A:LEU:H	2	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5267)	1:165:A:SER:HB3	1:164:A:ILE:H	4	0.89
(2,5267)	1:165:A:SER:HB3	1:164:A:ILE:H	14	0.89
(2,5211)	1:152:A:LEU:HD21	1:156:A:ARG:H	13	0.89
(2,5211)	1:152:A:LEU:HD22	1:156:A:ARG:H	13	0.89
(2,5211)	1:152:A:LEU:HD23	1:156:A:ARG:H	13	0.89
(2,4639)	1:82:A:LEU:HB3	1:49:A:ILE:H	2	0.89
(2,4633)	1:3:A:ILE:HG12	1:48:A:ASP:H	11	0.89
(2,4146)	1:133:A:LEU:HD21	1:130:A:SER:H	3	0.89
(2,4146)	1:133:A:LEU:HD22	1:130:A:SER:H	3	0.89
(2,4146)	1:133:A:LEU:HD23	1:130:A:SER:H	3	0.89
(2,4087)	1:171:A:ASP:HB2	1:175:A:ASN:HD21	15	0.89
(2,3987)	1:49:A:ILE:HD11	1:170:A:LEU:H	3	0.89
(2,3987)	1:49:A:ILE:HD12	1:170:A:LEU:H	3	0.89
(2,3987)	1:49:A:ILE:HD13	1:170:A:LEU:H	3	0.89
(2,3738)	1:6:A:ILE:HD11	1:22:A:ILE:H	6	0.89
(2,3738)	1:6:A:ILE:HD12	1:22:A:ILE:H	6	0.89
(2,3738)	1:6:A:ILE:HD13	1:22:A:ILE:H	6	0.89
(2,3650)	1:85:A:LEU:HD11	1:85:A:LEU:H	8	0.89
(2,3650)	1:85:A:LEU:HD12	1:85:A:LEU:H	8	0.89
(2,3650)	1:85:A:LEU:HD13	1:85:A:LEU:H	8	0.89
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD21	19	0.89
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD22	19	0.89
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD23	19	0.89
(2,3480)	1:82:A:LEU:HD21	1:168:A:LEU:HD21	5	0.89
(2,3480)	1:82:A:LEU:HD21	1:168:A:LEU:HD22	5	0.89
(2,3480)	1:82:A:LEU:HD21	1:168:A:LEU:HD23	5	0.89
(2,3480)	1:82:A:LEU:HD22	1:168:A:LEU:HD21	5	0.89
(2,3480)	1:82:A:LEU:HD22	1:168:A:LEU:HD22	5	0.89
(2,3480)	1:82:A:LEU:HD22	1:168:A:LEU:HD23	5	0.89
(2,3480)	1:82:A:LEU:HD23	1:168:A:LEU:HD21	5	0.89
(2,3480)	1:82:A:LEU:HD23	1:168:A:LEU:HD22	5	0.89
(2,3480)	1:82:A:LEU:HD23	1:168:A:LEU:HD23	5	0.89
(2,3391)	1:159:A:LYS:HE2	1:158:A:GLU:HB2	3	0.89
(2,3259)	1:41:A:LYS:HG3	1:42:A:GLU:HG3	3	0.89
(2,3259)	1:41:A:LYS:HG3	1:42:A:GLU:HG3	15	0.89
(2,3176)	1:140:A:VAL:HG11	1:134:A:ALA:HA	2	0.89
(2,3176)	1:140:A:VAL:HG12	1:134:A:ALA:HA	2	0.89
(2,3176)	1:140:A:VAL:HG13	1:134:A:ALA:HA	2	0.89
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG21	15	0.89
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG22	15	0.89
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG23	15	0.89
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG21	15	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG22	15	0.89
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG23	15	0.89
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG21	15	0.89
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG22	15	0.89
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG23	15	0.89
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD3	13	0.89
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD2	13	0.89
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD3	19	0.89
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD2	19	0.89
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG21	16	0.89
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG22	16	0.89
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG23	16	0.89
(2,2845)	1:175:A:ASN:HD21	1:171:A:ASP:HB2	15	0.89
(2,2473)	1:168:A:LEU:HD21	1:165:A:SER:HA	10	0.89
(2,2473)	1:168:A:LEU:HD22	1:165:A:SER:HA	10	0.89
(2,2473)	1:168:A:LEU:HD23	1:165:A:SER:HA	10	0.89
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG2	8	0.89
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG3	8	0.89
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD21	5	0.89
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD22	5	0.89
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD23	5	0.89
(2,2005)	1:44:A:LEU:HD11	1:43:A:ASP:HA	13	0.89
(2,2005)	1:44:A:LEU:HD12	1:43:A:ASP:HA	13	0.89
(2,2005)	1:44:A:LEU:HD13	1:43:A:ASP:HA	13	0.89
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB1	4	0.89
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB2	4	0.89
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB3	4	0.89
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB1	13	0.89
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB2	13	0.89
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB3	13	0.89
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG11	13	0.89
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG12	13	0.89
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG13	13	0.89
(2,1731)	1:27:A:GLY:HA2	1:24:A:LYS:HD2	17	0.89
(2,1624)	1:24:A:LYS:H	1:25:A:GLN:HG2	19	0.89
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD11	2	0.89
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD12	2	0.89
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD13	2	0.89
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD11	9	0.89
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD12	9	0.89
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD13	9	0.89
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD11	9	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD12	9	0.89
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD13	9	0.89
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD11	9	0.89
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD12	9	0.89
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD13	9	0.89
(2,1466)	1:16:A:GLU:HG3	1:17:A:ASN:HB2	8	0.89
(2,1429)	1:55:A:PRO:HB2	1:15:A:THR:HB	15	0.89
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD11	17	0.89
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD12	17	0.89
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD13	17	0.89
(2,1119)	1:117:A:VAL:HG11	1:164:A:ILE:HA	12	0.89
(2,1119)	1:117:A:VAL:HG12	1:164:A:ILE:HA	12	0.89
(2,1119)	1:117:A:VAL:HG13	1:164:A:ILE:HA	12	0.89
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD21	7	0.89
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD22	7	0.89
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD23	7	0.89
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG21	7	0.89
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG22	7	0.89
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG23	7	0.89
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG11	12	0.89
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG12	12	0.89
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG13	12	0.89
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG21	15	0.89
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG22	15	0.89
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG23	15	0.89
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD11	7	0.89
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD12	7	0.89
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD13	7	0.89
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE1	1	0.89
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE2	1	0.89
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE1	1	0.89
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE2	1	0.89
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE1	1	0.89
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE2	1	0.89
(2,119)	1:120:A:TRP:H	1:160:A:TRP:HD1	14	0.89
(2,119)	1:120:A:TRP:H	1:160:A:TRP:HD1	20	0.89
(3,648)	1:120:A:TRP:HH2	1:163:A:GLN:H	2	0.88
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD11	1	0.88
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD12	1	0.88
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD13	1	0.88
(2,5361)	1:52:A:LEU:HD21	1:66:A:TRP:HE1	2	0.88
(2,5361)	1:52:A:LEU:HD22	1:66:A:TRP:HE1	2	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5361)	1:52:A:LEU:HD23	1:66:A:TRP:HE1	2	0.88
(2,5344)	1:171:A:ASP:HB2	1:175:A:ASN:HD22	1	0.88
(2,5267)	1:165:A:SER:HB3	1:164:A:ILE:H	20	0.88
(2,5259)	1:163:A:GLN:HG2	1:163:A:GLN:H	19	0.88
(2,5149)	1:144:A:ILE:HG12	1:145:A:ASP:H	20	0.88
(2,5045)	1:95:A:ALA:HB1	1:127:A:PHE:H	4	0.88
(2,5045)	1:95:A:ALA:HB2	1:127:A:PHE:H	4	0.88
(2,5045)	1:95:A:ALA:HB3	1:127:A:PHE:H	4	0.88
(2,5044)	1:128:A:GLU:HG3	1:127:A:PHE:H	10	0.88
(2,4639)	1:82:A:LEU:HB3	1:49:A:ILE:H	11	0.88
(2,4633)	1:3:A:ILE:HG12	1:48:A:ASP:H	15	0.88
(2,3827)	1:145:A:ASP:HB2	1:147:A:ASP:H	13	0.88
(2,3712)	1:82:A:LEU:HD21	1:117:A:VAL:H	7	0.88
(2,3712)	1:82:A:LEU:HD22	1:117:A:VAL:H	7	0.88
(2,3712)	1:82:A:LEU:HD23	1:117:A:VAL:H	7	0.88
(2,3541)	1:66:A:TRP:HH2	1:8:A:PHE:HB2	12	0.88
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD21	11	0.88
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD22	11	0.88
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD23	11	0.88
(2,3482)	1:82:A:LEU:HB2	1:168:A:LEU:HD21	13	0.88
(2,3482)	1:82:A:LEU:HB2	1:168:A:LEU:HD22	13	0.88
(2,3482)	1:82:A:LEU:HB2	1:168:A:LEU:HD23	13	0.88
(2,3396)	1:162:A:LYS:HG2	1:158:A:GLU:HA	7	0.88
(2,3299)	1:88:A:CYS:HB2	1:18:A:ILE:HG12	2	0.88
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD11	3	0.88
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD12	3	0.88
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD13	3	0.88
(2,3259)	1:41:A:LYS:HG3	1:42:A:GLU:HG3	7	0.88
(2,3182)	1:138:A:HIS:HB3	1:134:A:ALA:HB1	10	0.88
(2,3182)	1:138:A:HIS:HB3	1:134:A:ALA:HB2	10	0.88
(2,3182)	1:138:A:HIS:HB3	1:134:A:ALA:HB3	10	0.88
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD11	16	0.88
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD12	16	0.88
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD13	16	0.88
(2,3145)	1:158:A:GLU:HA	1:162:A:LYS:HG2	7	0.88
(2,3118)	1:92:A:GLU:HG2	1:148:A:ARG:HA	2	0.88
(2,2965)	1:111:A:PRO:HG2	1:112:A:ARG:HD3	13	0.88
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD3	2	0.88
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD2	2	0.88
(2,2891)	1:112:A:ARG:HD2	1:109:A:ILE:HA	1	0.88
(2,2514)	1:80:A:GLY:HA2	1:79:A:ASN:HB3	2	0.88
(2,2473)	1:168:A:LEU:HD21	1:165:A:SER:HA	17	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2473)	1:168:A:LEU:HD22	1:165:A:SER:HA	17	0.88
(2,2473)	1:168:A:LEU:HD23	1:165:A:SER:HA	17	0.88
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD21	16	0.88
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD22	16	0.88
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD23	16	0.88
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD11	10	0.88
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD12	10	0.88
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD13	10	0.88
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD11	10	0.88
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD12	10	0.88
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD13	10	0.88
(2,2038)	1:52:A:LEU:HD21	1:44:A:LEU:HD21	15	0.88
(2,2038)	1:52:A:LEU:HD21	1:44:A:LEU:HD22	15	0.88
(2,2038)	1:52:A:LEU:HD21	1:44:A:LEU:HD23	15	0.88
(2,2038)	1:52:A:LEU:HD22	1:44:A:LEU:HD21	15	0.88
(2,2038)	1:52:A:LEU:HD22	1:44:A:LEU:HD22	15	0.88
(2,2038)	1:52:A:LEU:HD22	1:44:A:LEU:HD23	15	0.88
(2,2038)	1:52:A:LEU:HD23	1:44:A:LEU:HD21	15	0.88
(2,2038)	1:52:A:LEU:HD23	1:44:A:LEU:HD22	15	0.88
(2,2038)	1:52:A:LEU:HD23	1:44:A:LEU:HD23	15	0.88
(2,2005)	1:44:A:LEU:HD11	1:43:A:ASP:HA	5	0.88
(2,2005)	1:44:A:LEU:HD12	1:43:A:ASP:HA	5	0.88
(2,2005)	1:44:A:LEU:HD13	1:43:A:ASP:HA	5	0.88
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG21	14	0.88
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG22	14	0.88
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG23	14	0.88
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG21	18	0.88
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG22	18	0.88
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG23	18	0.88
(2,1724)	1:29:A:ASP:HA	1:28:A:LYS:HG3	15	0.88
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG11	20	0.88
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG12	20	0.88
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG13	20	0.88
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG11	6	0.88
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG12	6	0.88
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG13	6	0.88
(2,1545)	1:168:A:LEU:HD11	1:167:A:GLU:HA	20	0.88
(2,1545)	1:168:A:LEU:HD12	1:167:A:GLU:HA	20	0.88
(2,1545)	1:168:A:LEU:HD13	1:167:A:GLU:HA	20	0.88
(2,1396)	1:133:A:LEU:HD11	1:139:A:PHE:HA	14	0.88
(2,1396)	1:133:A:LEU:HD12	1:139:A:PHE:HA	14	0.88
(2,1396)	1:133:A:LEU:HD13	1:139:A:PHE:HA	14	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD11	1	0.88
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD12	1	0.88
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD13	1	0.88
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD11	14	0.88
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD12	14	0.88
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD13	14	0.88
(2,1314)	1:26:A:LEU:HG	1:4:A:THR:HB	10	0.88
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG21	17	0.88
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG22	17	0.88
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG23	17	0.88
(2,982)	1:157:A:VAL:HG11	1:142:A:LEU:HG	14	0.88
(2,982)	1:157:A:VAL:HG12	1:142:A:LEU:HG	14	0.88
(2,982)	1:157:A:VAL:HG13	1:142:A:LEU:HG	14	0.88
(2,746)	1:169:A:HIS:HB2	1:172:A:GLU:HG2	5	0.88
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG21	7	0.88
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG22	7	0.88
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG23	7	0.88
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD21	7	0.88
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD22	7	0.88
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD23	7	0.88
(2,525)	1:86:A:PHE:HD1	1:142:A:LEU:HG	15	0.88
(2,525)	1:86:A:PHE:HD2	1:142:A:LEU:HG	15	0.88
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD11	7	0.88
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD12	7	0.88
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD13	7	0.88
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD21	16	0.88
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD22	16	0.88
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD23	16	0.88
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD11	20	0.88
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD12	20	0.88
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD13	20	0.88
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD11	20	0.88
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD12	20	0.88
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD13	20	0.88
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD1	18	0.88
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD2	18	0.88
(3,689)	1:125:A:TYR:HD1	1:91:A:GLN:HE22	6	0.87
(3,689)	1:125:A:TYR:HD2	1:91:A:GLN:HE22	6	0.87
(3,310)	1:18:A:ILE:HG12	1:55:A:PRO:HD3	3	0.87
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD1	20	0.87
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD2	20	0.87
(2,5355)	1:142:A:LEU:HD11	1:120:A:TRP:HE1	15	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5355)	1:142:A:LEU:HD12	1:120:A:TRP:HE1	15	0.87
(2,5355)	1:142:A:LEU:HD13	1:120:A:TRP:HE1	15	0.87
(2,5328)	1:173:A:ILE:HG12	1:172:A:GLU:H	9	0.87
(2,5310)	1:166:A:GLU:HB3	1:169:A:HIS:H	5	0.87
(2,5310)	1:166:A:GLU:HB3	1:169:A:HIS:H	14	0.87
(2,5267)	1:165:A:SER:HB3	1:164:A:ILE:H	2	0.87
(2,5267)	1:165:A:SER:HB3	1:164:A:ILE:H	8	0.87
(2,5267)	1:165:A:SER:HB3	1:164:A:ILE:H	10	0.87
(2,5267)	1:165:A:SER:HB3	1:164:A:ILE:H	12	0.87
(2,5267)	1:165:A:SER:HB3	1:164:A:ILE:H	18	0.87
(2,5166)	1:149:A:GLN:HG3	1:148:A:ARG:H	2	0.87
(2,5145)	1:156:A:ARG:HD2	1:145:A:ASP:H	4	0.87
(2,4734)	1:65:A:ASP:H	1:69:A:PHE:H	6	0.87
(2,4734)	1:65:A:ASP:H	1:69:A:PHE:H	7	0.87
(2,4734)	1:65:A:ASP:H	1:69:A:PHE:H	10	0.87
(2,4537)	1:38:A:LYS:HD2	1:35:A:ASP:H	12	0.87
(2,4493)	1:26:A:LEU:HD11	1:26:A:LEU:H	19	0.87
(2,4493)	1:26:A:LEU:HD12	1:26:A:LEU:H	19	0.87
(2,4493)	1:26:A:LEU:HD13	1:26:A:LEU:H	19	0.87
(2,4491)	1:161:A:VAL:HG21	1:26:A:LEU:H	10	0.87
(2,4491)	1:161:A:VAL:HG22	1:26:A:LEU:H	10	0.87
(2,4491)	1:161:A:VAL:HG23	1:26:A:LEU:H	10	0.87
(2,4358)	1:50:A:LEU:HD11	1:5:A:GLY:H	7	0.87
(2,4358)	1:50:A:LEU:HD12	1:5:A:GLY:H	7	0.87
(2,4358)	1:50:A:LEU:HD13	1:5:A:GLY:H	7	0.87
(2,3967)	1:105:A:ILE:HG21	1:108:A:ILE:H	1	0.87
(2,3967)	1:105:A:ILE:HG22	1:108:A:ILE:H	1	0.87
(2,3967)	1:105:A:ILE:HG23	1:108:A:ILE:H	1	0.87
(2,3884)	1:26:A:LEU:HD11	1:26:A:LEU:H	19	0.87
(2,3884)	1:26:A:LEU:HD12	1:26:A:LEU:H	19	0.87
(2,3884)	1:26:A:LEU:HD13	1:26:A:LEU:H	19	0.87
(2,3738)	1:6:A:ILE:HD11	1:22:A:ILE:H	19	0.87
(2,3738)	1:6:A:ILE:HD12	1:22:A:ILE:H	19	0.87
(2,3738)	1:6:A:ILE:HD13	1:22:A:ILE:H	19	0.87
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD21	17	0.87
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD22	17	0.87
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD23	17	0.87
(2,3463)	1:170:A:LEU:HD11	1:165:A:SER:HB2	1	0.87
(2,3463)	1:170:A:LEU:HD12	1:165:A:SER:HB2	1	0.87
(2,3463)	1:170:A:LEU:HD13	1:165:A:SER:HB2	1	0.87
(2,3431)	1:162:A:LYS:HA	1:163:A:GLN:HG3	4	0.87
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB2	13	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB3	13	0.87
(2,2891)	1:112:A:ARG:HD2	1:109:A:ILE:HA	9	0.87
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD11	13	0.87
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD12	13	0.87
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD13	13	0.87
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD11	5	0.87
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD12	5	0.87
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD13	5	0.87
(2,2520)	1:79:A:ASN:HB2	1:113:A:GLY:HA2	3	0.87
(2,2479)	1:30:A:VAL:HG11	1:173:A:ILE:HB	4	0.87
(2,2479)	1:30:A:VAL:HG12	1:173:A:ILE:HB	4	0.87
(2,2479)	1:30:A:VAL:HG13	1:173:A:ILE:HB	4	0.87
(2,2451)	1:108:A:ILE:HD11	1:74:A:GLU:HG3	13	0.87
(2,2451)	1:108:A:ILE:HD12	1:74:A:GLU:HG3	13	0.87
(2,2451)	1:108:A:ILE:HD13	1:74:A:GLU:HG3	13	0.87
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD21	11	0.87
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD22	11	0.87
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD23	11	0.87
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD21	14	0.87
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD22	14	0.87
(2,2414)	1:165:A:SER:H	1:170:A:LEU:HD23	14	0.87
(2,2338)	1:158:A:GLU:HG3	1:158:A:GLU:HA	3	0.87
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD21	3	0.87
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD22	3	0.87
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD23	3	0.87
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB1	20	0.87
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB2	20	0.87
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB3	20	0.87
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD11	18	0.87
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD12	18	0.87
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD13	18	0.87
(2,1717)	1:158:A:GLU:HG2	1:155:A:GLU:HA	5	0.87
(2,1661)	1:23:A:GLN:HE21	1:28:A:LYS:HE2	9	0.87
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG11	2	0.87
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG12	2	0.87
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG13	2	0.87
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG11	19	0.87
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG12	19	0.87
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG13	19	0.87
(2,1545)	1:168:A:LEU:HD11	1:167:A:GLU:HA	15	0.87
(2,1545)	1:168:A:LEU:HD12	1:167:A:GLU:HA	15	0.87
(2,1545)	1:168:A:LEU:HD13	1:167:A:GLU:HA	15	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD11	6	0.87
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD12	6	0.87
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD13	6	0.87
(2,1465)	1:18:A:ILE:HD11	1:17:A:ASN:HB2	6	0.87
(2,1465)	1:18:A:ILE:HD12	1:17:A:ASN:HB2	6	0.87
(2,1465)	1:18:A:ILE:HD13	1:17:A:ASN:HB2	6	0.87
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG11	4	0.87
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG12	4	0.87
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG13	4	0.87
(2,1183)	1:76:A:ILE:HG12	1:73:A:LEU:HA	5	0.87
(2,1146)	1:74:A:GLU:HG2	1:71:A:PRO:HA	8	0.87
(2,1119)	1:117:A:VAL:HG11	1:164:A:ILE:HA	2	0.87
(2,1119)	1:117:A:VAL:HG12	1:164:A:ILE:HA	2	0.87
(2,1119)	1:117:A:VAL:HG13	1:164:A:ILE:HA	2	0.87
(2,1119)	1:117:A:VAL:HG11	1:164:A:ILE:HA	19	0.87
(2,1119)	1:117:A:VAL:HG12	1:164:A:ILE:HA	19	0.87
(2,1119)	1:117:A:VAL:HG13	1:164:A:ILE:HA	19	0.87
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG21	20	0.87
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG22	20	0.87
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG23	20	0.87
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG11	2	0.87
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG12	2	0.87
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG13	2	0.87
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG11	19	0.87
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG12	19	0.87
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG13	19	0.87
(2,833)	1:21:A:MET:HA	1:24:A:LYS:HG3	20	0.87
(2,833)	1:21:A:MET:HA	1:24:A:LYS:HG2	20	0.87
(2,746)	1:169:A:HIS:HB2	1:172:A:GLU:HG2	19	0.87
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD11	15	0.87
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD12	15	0.87
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD13	15	0.87
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG21	1	0.87
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG22	1	0.87
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG23	1	0.87
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG21	9	0.87
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG22	9	0.87
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG23	9	0.87
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG21	12	0.87
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG22	12	0.87
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG23	12	0.87
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD21	8	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD22	8	0.87
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD23	8	0.87
(3,688)	1:92:A:GLU:HB3	1:91:A:GLN:HE21	14	0.86
(3,491)	1:91:A:GLN:HG2	1:94:A:TYR:H	10	0.86
(3,288)	1:25:A:GLN:HG2	1:161:A:VAL:HA	16	0.86
(2,5385)	1:170:A:LEU:HD11	1:173:A:ILE:H	11	0.86
(2,5385)	1:170:A:LEU:HD12	1:173:A:ILE:H	11	0.86
(2,5385)	1:170:A:LEU:HD13	1:173:A:ILE:H	11	0.86
(2,5300)	1:82:A:LEU:HD21	1:168:A:LEU:H	2	0.86
(2,5300)	1:82:A:LEU:HD22	1:168:A:LEU:H	2	0.86
(2,5300)	1:82:A:LEU:HD23	1:168:A:LEU:H	2	0.86
(2,5267)	1:165:A:SER:HB3	1:164:A:ILE:H	7	0.86
(2,5267)	1:165:A:SER:HB3	1:164:A:ILE:H	16	0.86
(2,5211)	1:152:A:LEU:HD21	1:156:A:ARG:H	4	0.86
(2,5211)	1:152:A:LEU:HD22	1:156:A:ARG:H	4	0.86
(2,5211)	1:152:A:LEU:HD23	1:156:A:ARG:H	4	0.86
(2,5211)	1:152:A:LEU:HD21	1:156:A:ARG:H	20	0.86
(2,5211)	1:152:A:LEU:HD22	1:156:A:ARG:H	20	0.86
(2,5211)	1:152:A:LEU:HD23	1:156:A:ARG:H	20	0.86
(2,4633)	1:3:A:ILE:HG12	1:48:A:ASP:H	19	0.86
(2,4596)	1:170:A:LEU:HD11	1:173:A:ILE:H	11	0.86
(2,4596)	1:170:A:LEU:HD12	1:173:A:ILE:H	11	0.86
(2,4596)	1:170:A:LEU:HD13	1:173:A:ILE:H	11	0.86
(2,4491)	1:161:A:VAL:HG21	1:26:A:LEU:H	18	0.86
(2,4491)	1:161:A:VAL:HG22	1:26:A:LEU:H	18	0.86
(2,4491)	1:161:A:VAL:HG23	1:26:A:LEU:H	18	0.86
(2,4358)	1:50:A:LEU:HD11	1:5:A:GLY:H	3	0.86
(2,4358)	1:50:A:LEU:HD12	1:5:A:GLY:H	3	0.86
(2,4358)	1:50:A:LEU:HD13	1:5:A:GLY:H	3	0.86
(2,3684)	1:158:A:GLU:HA	1:162:A:LYS:H	8	0.86
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD11	11	0.86
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD12	11	0.86
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD13	11	0.86
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD11	11	0.86
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD12	11	0.86
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD13	11	0.86
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD11	11	0.86
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD12	11	0.86
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD13	11	0.86
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD11	11	0.86
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD12	11	0.86
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD13	11	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD21	4	0.86
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD22	4	0.86
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD23	4	0.86
(2,2338)	1:158:A:GLU:HG3	1:158:A:GLU:HA	6	0.86
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG21	20	0.86
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG22	20	0.86
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG23	20	0.86
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG21	3	0.86
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG22	3	0.86
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG23	3	0.86
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG21	3	0.86
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG22	3	0.86
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG23	3	0.86
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG21	3	0.86
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG22	3	0.86
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG23	3	0.86
(2,2005)	1:44:A:LEU:HD11	1:43:A:ASP:HA	14	0.86
(2,2005)	1:44:A:LEU:HD12	1:43:A:ASP:HA	14	0.86
(2,2005)	1:44:A:LEU:HD13	1:43:A:ASP:HA	14	0.86
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG21	3	0.86
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG22	3	0.86
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG23	3	0.86
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG21	6	0.86
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG22	6	0.86
(2,1761)	1:26:A:LEU:HB3	1:30:A:VAL:HG23	6	0.86
(2,1721)	1:24:A:LYS:HE2	1:28:A:LYS:HB2	1	0.86
(2,1686)	1:170:A:LEU:HD11	1:26:A:LEU:HG	11	0.86
(2,1686)	1:170:A:LEU:HD12	1:26:A:LEU:HG	11	0.86
(2,1686)	1:170:A:LEU:HD13	1:26:A:LEU:HG	11	0.86
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG11	9	0.86
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG12	9	0.86
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG13	9	0.86
(2,1545)	1:168:A:LEU:HD11	1:167:A:GLU:HA	17	0.86
(2,1545)	1:168:A:LEU:HD12	1:167:A:GLU:HA	17	0.86
(2,1545)	1:168:A:LEU:HD13	1:167:A:GLU:HA	17	0.86
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD11	15	0.86
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD12	15	0.86
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD13	15	0.86
(2,1222)	1:30:A:VAL:HG11	1:31:A:ALA:HA	14	0.86
(2,1222)	1:30:A:VAL:HG12	1:31:A:ALA:HA	14	0.86
(2,1222)	1:30:A:VAL:HG13	1:31:A:ALA:HA	14	0.86
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG21	11	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG22	11	0.86
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG23	11	0.86
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG21	19	0.86
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG22	19	0.86
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG23	19	0.86
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD11	4	0.86
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD12	4	0.86
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD13	4	0.86
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD11	4	0.86
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD12	4	0.86
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD13	4	0.86
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD11	4	0.86
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD12	4	0.86
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD13	4	0.86
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG21	14	0.86
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG22	14	0.86
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG23	14	0.86
(2,963)	1:157:A:VAL:HG21	1:142:A:LEU:HG	11	0.86
(2,963)	1:157:A:VAL:HG22	1:142:A:LEU:HG	11	0.86
(2,963)	1:157:A:VAL:HG23	1:142:A:LEU:HG	11	0.86
(2,963)	1:157:A:VAL:HG21	1:142:A:LEU:HG	19	0.86
(2,963)	1:157:A:VAL:HG22	1:142:A:LEU:HG	19	0.86
(2,963)	1:157:A:VAL:HG23	1:142:A:LEU:HG	19	0.86
(2,903)	1:127:A:PHE:HA	1:95:A:ALA:HB1	15	0.86
(2,903)	1:127:A:PHE:HA	1:95:A:ALA:HB2	15	0.86
(2,903)	1:127:A:PHE:HA	1:95:A:ALA:HB3	15	0.86
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG21	6	0.86
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG22	6	0.86
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG23	6	0.86
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD21	19	0.86
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD22	19	0.86
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD23	19	0.86
(2,509)	1:70:A:PHE:HD1	1:73:A:LEU:HD21	15	0.86
(2,509)	1:70:A:PHE:HD1	1:73:A:LEU:HD22	15	0.86
(2,509)	1:70:A:PHE:HD1	1:73:A:LEU:HD23	15	0.86
(2,509)	1:70:A:PHE:HD2	1:73:A:LEU:HD21	15	0.86
(2,509)	1:70:A:PHE:HD2	1:73:A:LEU:HD22	15	0.86
(2,509)	1:70:A:PHE:HD2	1:73:A:LEU:HD23	15	0.86
(3,453)	1:41:A:LYS:HD2	1:77:A:ASP:H	19	0.85
(3,58)	1:142:A:LEU:HG	1:144:A:ILE:HD11	15	0.85
(3,58)	1:142:A:LEU:HG	1:144:A:ILE:HD12	15	0.85
(3,58)	1:142:A:LEU:HG	1:144:A:ILE:HD13	15	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,19)	1:63:A:GLN:HA	1:57:A:TRP:HZ2	13	0.85
(2,5361)	1:52:A:LEU:HD21	1:66:A:TRP:HE1	12	0.85
(2,5361)	1:52:A:LEU:HD22	1:66:A:TRP:HE1	12	0.85
(2,5361)	1:52:A:LEU:HD23	1:66:A:TRP:HE1	12	0.85
(2,5267)	1:165:A:SER:HB3	1:164:A:ILE:H	9	0.85
(2,5267)	1:165:A:SER:HB3	1:164:A:ILE:H	17	0.85
(2,5211)	1:152:A:LEU:HD21	1:156:A:ARG:H	8	0.85
(2,5211)	1:152:A:LEU:HD22	1:156:A:ARG:H	8	0.85
(2,5211)	1:152:A:LEU:HD23	1:156:A:ARG:H	8	0.85
(2,5045)	1:95:A:ALA:HB1	1:127:A:PHE:H	12	0.85
(2,5045)	1:95:A:ALA:HB2	1:127:A:PHE:H	12	0.85
(2,5045)	1:95:A:ALA:HB3	1:127:A:PHE:H	12	0.85
(2,4981)	1:111:A:PRO:HG2	1:112:A:ARG:HE	17	0.85
(2,4639)	1:82:A:LEU:HB3	1:49:A:ILE:H	19	0.85
(2,4634)	1:50:A:LEU:HD11	1:48:A:ASP:H	16	0.85
(2,4634)	1:50:A:LEU:HD12	1:48:A:ASP:H	16	0.85
(2,4634)	1:50:A:LEU:HD13	1:48:A:ASP:H	16	0.85
(2,4358)	1:50:A:LEU:HD11	1:5:A:GLY:H	18	0.85
(2,4358)	1:50:A:LEU:HD12	1:5:A:GLY:H	18	0.85
(2,4358)	1:50:A:LEU:HD13	1:5:A:GLY:H	18	0.85
(2,3965)	1:111:A:PRO:HD2	1:108:A:ILE:H	7	0.85
(2,3965)	1:111:A:PRO:HD2	1:108:A:ILE:H	14	0.85
(2,3492)	1:172:A:GLU:HB2	1:169:A:HIS:HB2	1	0.85
(2,3396)	1:162:A:LYS:HG2	1:158:A:GLU:HA	6	0.85
(2,3294)	1:151:A:GLU:HG3	1:150:A:PRO:HA	15	0.85
(2,3294)	1:151:A:GLU:HG3	1:150:A:PRO:HA	20	0.85
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD11	1	0.85
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD12	1	0.85
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD13	1	0.85
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD11	1	0.85
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD12	1	0.85
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD13	1	0.85
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD11	1	0.85
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD12	1	0.85
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD13	1	0.85
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD11	20	0.85
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD12	20	0.85
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD13	20	0.85
(2,3145)	1:158:A:GLU:HA	1:162:A:LYS:HG2	6	0.85
(2,3109)	1:125:A:TYR:HE1	1:128:A:GLU:HG2	3	0.85
(2,3109)	1:125:A:TYR:HE2	1:128:A:GLU:HG2	3	0.85
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG21	1	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG22	1	0.85
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG23	1	0.85
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG21	1	0.85
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG22	1	0.85
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG23	1	0.85
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG21	1	0.85
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG22	1	0.85
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG23	1	0.85
(2,3062)	1:133:A:LEU:HD11	1:122:A:THR:HA	15	0.85
(2,3062)	1:133:A:LEU:HD12	1:122:A:THR:HA	15	0.85
(2,3062)	1:133:A:LEU:HD13	1:122:A:THR:HA	15	0.85
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG21	10	0.85
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG22	10	0.85
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG23	10	0.85
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG21	10	0.85
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG22	10	0.85
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG23	10	0.85
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG21	10	0.85
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG22	10	0.85
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG23	10	0.85
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG21	18	0.85
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG22	18	0.85
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG23	18	0.85
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG21	18	0.85
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG22	18	0.85
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG23	18	0.85
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG21	18	0.85
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG22	18	0.85
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG23	18	0.85
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG21	5	0.85
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG22	5	0.85
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG23	5	0.85
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD11	17	0.85
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD12	17	0.85
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD13	17	0.85
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD11	17	0.85
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD12	17	0.85
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD13	17	0.85
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD11	17	0.85
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD12	17	0.85
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD13	17	0.85
(2,2473)	1:168:A:LEU:HD21	1:165:A:SER:HA	2	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2473)	1:168:A:LEU:HD22	1:165:A:SER:HA	2	0.85
(2,2473)	1:168:A:LEU:HD23	1:165:A:SER:HA	2	0.85
(2,2461)	1:74:A:GLU:HG2	1:75:A:GLU:HG3	5	0.85
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD21	12	0.85
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD22	12	0.85
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD23	12	0.85
(2,2338)	1:158:A:GLU:HG3	1:158:A:GLU:HA	11	0.85
(2,2275)	1:158:A:GLU:HG3	1:155:A:GLU:HA	6	0.85
(2,2173)	1:49:A:ILE:HG12	1:82:A:LEU:HB3	6	0.85
(2,1958)	1:17:A:ASN:HA	1:20:A:LYS:HE3	2	0.85
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB1	7	0.85
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB2	7	0.85
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB3	7	0.85
(2,1624)	1:24:A:LYS:H	1:25:A:GLN:HG2	20	0.85
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG11	5	0.85
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG12	5	0.85
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG13	5	0.85
(2,1545)	1:168:A:LEU:HD11	1:167:A:GLU:HA	10	0.85
(2,1545)	1:168:A:LEU:HD12	1:167:A:GLU:HA	10	0.85
(2,1545)	1:168:A:LEU:HD13	1:167:A:GLU:HA	10	0.85
(2,1545)	1:168:A:LEU:HD11	1:167:A:GLU:HA	18	0.85
(2,1545)	1:168:A:LEU:HD12	1:167:A:GLU:HA	18	0.85
(2,1545)	1:168:A:LEU:HD13	1:167:A:GLU:HA	18	0.85
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD11	16	0.85
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD12	16	0.85
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD13	16	0.85
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD11	19	0.85
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD12	19	0.85
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD13	19	0.85
(2,1222)	1:30:A:VAL:HG11	1:31:A:ALA:HA	8	0.85
(2,1222)	1:30:A:VAL:HG12	1:31:A:ALA:HA	8	0.85
(2,1222)	1:30:A:VAL:HG13	1:31:A:ALA:HA	8	0.85
(2,1180)	1:68:A:ASP:HB2	1:65:A:ASP:HA	8	0.85
(2,1165)	1:24:A:LYS:HG2	1:21:A:MET:HA	11	0.85
(2,1155)	1:110:A:GLU:HG3	1:110:A:GLU:HA	7	0.85
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG21	13	0.85
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG22	13	0.85
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG23	13	0.85
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG21	1	0.85
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG22	1	0.85
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG23	1	0.85
(2,963)	1:157:A:VAL:HG21	1:142:A:LEU:HG	13	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,963)	1:157:A:VAL:HG22	1:142:A:LEU:HG	13	0.85
(2,963)	1:157:A:VAL:HG23	1:142:A:LEU:HG	13	0.85
(2,748)	1:155:A:GLU:HA	1:158:A:GLU:HG3	6	0.85
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG21	2	0.85
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG22	2	0.85
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG23	2	0.85
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG21	20	0.85
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG22	20	0.85
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG23	20	0.85
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD21	1	0.85
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD22	1	0.85
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD23	1	0.85
(2,525)	1:86:A:PHE:HD1	1:142:A:LEU:HG	13	0.85
(2,525)	1:86:A:PHE:HD2	1:142:A:LEU:HG	13	0.85
(2,400)	1:79:A:ASN:H	1:79:A:ASN:HB2	8	0.85
(2,400)	1:79:A:ASN:H	1:79:A:ASN:HB2	19	0.85
(2,119)	1:120:A:TRP:H	1:160:A:TRP:HD1	10	0.85
(3,288)	1:25:A:GLN:HG2	1:161:A:VAL:HA	2	0.84
(3,273)	1:144:A:ILE:HG12	1:149:A:GLN:HA	7	0.84
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD1	9	0.84
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD2	9	0.84
(3,19)	1:63:A:GLN:HA	1:57:A:TRP:HZ2	4	0.84
(2,5267)	1:165:A:SER:HB3	1:164:A:ILE:H	1	0.84
(2,5267)	1:165:A:SER:HB3	1:164:A:ILE:H	13	0.84
(2,5100)	1:133:A:LEU:HB2	1:138:A:HIS:H	4	0.84
(2,5090)	1:138:A:HIS:HB2	1:137:A:ASP:H	1	0.84
(2,5090)	1:138:A:HIS:HB2	1:137:A:ASP:H	10	0.84
(2,5045)	1:95:A:ALA:HB1	1:127:A:PHE:H	14	0.84
(2,5045)	1:95:A:ALA:HB2	1:127:A:PHE:H	14	0.84
(2,5045)	1:95:A:ALA:HB3	1:127:A:PHE:H	14	0.84
(2,4071)	1:112:A:ARG:HD2	1:112:A:ARG:H	8	0.84
(2,4008)	1:148:A:ARG:HB3	1:149:A:GLN:H	4	0.84
(2,3967)	1:105:A:ILE:HG21	1:108:A:ILE:H	20	0.84
(2,3967)	1:105:A:ILE:HG22	1:108:A:ILE:H	20	0.84
(2,3967)	1:105:A:ILE:HG23	1:108:A:ILE:H	20	0.84
(2,3965)	1:111:A:PRO:HD2	1:108:A:ILE:H	16	0.84
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD11	18	0.84
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD12	18	0.84
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD13	18	0.84
(2,3354)	1:162:A:LYS:H	1:163:A:GLN:HB3	7	0.84
(2,3263)	1:146:A:GLU:H	1:144:A:ILE:HG12	8	0.84
(2,3259)	1:41:A:LYS:HG3	1:42:A:GLU:HG3	20	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD11	1	0.84
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD12	1	0.84
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD13	1	0.84
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD11	6	0.84
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD12	6	0.84
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD13	6	0.84
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD3	7	0.84
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD2	7	0.84
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB1	20	0.84
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB2	20	0.84
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB3	20	0.84
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB1	20	0.84
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB2	20	0.84
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB3	20	0.84
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB1	20	0.84
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB2	20	0.84
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB3	20	0.84
(2,2726)	1:102:A:LEU:HG	1:99:A:CYS:HB2	17	0.84
(2,2473)	1:168:A:LEU:HD21	1:165:A:SER:HA	8	0.84
(2,2473)	1:168:A:LEU:HD22	1:165:A:SER:HA	8	0.84
(2,2473)	1:168:A:LEU:HD23	1:165:A:SER:HA	8	0.84
(2,2340)	1:142:A:LEU:HD11	1:156:A:ARG:HA	1	0.84
(2,2340)	1:142:A:LEU:HD12	1:156:A:ARG:HA	1	0.84
(2,2340)	1:142:A:LEU:HD13	1:156:A:ARG:HA	1	0.84
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG21	11	0.84
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG22	11	0.84
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG23	11	0.84
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG21	11	0.84
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG22	11	0.84
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG23	11	0.84
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG21	11	0.84
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG22	11	0.84
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG23	11	0.84
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD11	17	0.84
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD12	17	0.84
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD13	17	0.84
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB3	10	0.84
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB3	10	0.84
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB3	10	0.84
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB2	10	0.84
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB2	10	0.84
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB2	10	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD21	12	0.84
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD22	12	0.84
(2,2196)	1:50:A:LEU:HA	1:51:A:LEU:HD23	12	0.84
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG21	15	0.84
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG22	15	0.84
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG23	15	0.84
(2,1624)	1:24:A:LYS:H	1:25:A:GLN:HG2	7	0.84
(2,1545)	1:168:A:LEU:HD11	1:167:A:GLU:HA	2	0.84
(2,1545)	1:168:A:LEU:HD12	1:167:A:GLU:HA	2	0.84
(2,1545)	1:168:A:LEU:HD13	1:167:A:GLU:HA	2	0.84
(2,1180)	1:68:A:ASP:HB2	1:65:A:ASP:HA	4	0.84
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG21	10	0.84
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG22	10	0.84
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG23	10	0.84
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG21	20	0.84
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG22	20	0.84
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG23	20	0.84
(2,964)	1:156:A:ARG:HD3	1:142:A:LEU:HD11	8	0.84
(2,964)	1:156:A:ARG:HD3	1:142:A:LEU:HD12	8	0.84
(2,964)	1:156:A:ARG:HD3	1:142:A:LEU:HD13	8	0.84
(2,816)	1:165:A:SER:HA	1:26:A:LEU:HG	3	0.84
(2,783)	1:76:A:ILE:HA	1:41:A:LYS:HD2	8	0.84
(2,783)	1:76:A:ILE:HA	1:41:A:LYS:HD2	14	0.84
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG21	8	0.84
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG22	8	0.84
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG23	8	0.84
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG21	14	0.84
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG22	14	0.84
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG23	14	0.84
(2,400)	1:79:A:ASN:H	1:79:A:ASN:HB2	2	0.84
(2,119)	1:120:A:TRP:H	1:160:A:TRP:HD1	5	0.84
(3,544)	1:112:A:ARG:HG3	1:110:A:GLU:H	1	0.83
(3,310)	1:18:A:ILE:HG12	1:55:A:PRO:HD3	12	0.83
(3,35)	1:158:A:GLU:H	1:120:A:TRP:HZ2	14	0.83
(2,5375)	1:145:A:ASP:HB3	1:91:A:GLN:HE21	15	0.83
(2,5367)	1:87:A:GLY:HA2	1:14:A:ASN:HD22	5	0.83
(2,5267)	1:165:A:SER:HB3	1:164:A:ILE:H	19	0.83
(2,5025)	1:137:A:ASP:HB3	1:123:A:ALA:H	7	0.83
(2,4960)	1:73:A:LEU:HD11	1:108:A:ILE:H	15	0.83
(2,4960)	1:73:A:LEU:HD12	1:108:A:ILE:H	15	0.83
(2,4960)	1:73:A:LEU:HD13	1:108:A:ILE:H	15	0.83
(2,4768)	1:76:A:ILE:HG12	1:75:A:GLU:H	10	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4708)	1:61:A:GLU:HB2	1:63:A:GLN:H	5	0.83
(2,4639)	1:82:A:LEU:HB3	1:49:A:ILE:H	20	0.83
(2,4509)	1:28:A:LYS:HG3	1:30:A:VAL:H	12	0.83
(2,3967)	1:105:A:ILE:HG21	1:108:A:ILE:H	5	0.83
(2,3967)	1:105:A:ILE:HG22	1:108:A:ILE:H	5	0.83
(2,3967)	1:105:A:ILE:HG23	1:108:A:ILE:H	5	0.83
(2,3738)	1:6:A:ILE:HD11	1:22:A:ILE:H	5	0.83
(2,3738)	1:6:A:ILE:HD12	1:22:A:ILE:H	5	0.83
(2,3738)	1:6:A:ILE:HD13	1:22:A:ILE:H	5	0.83
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD11	20	0.83
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD12	20	0.83
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD13	20	0.83
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD11	13	0.83
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD12	13	0.83
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD13	13	0.83
(2,3482)	1:82:A:LEU:HB2	1:168:A:LEU:HD21	5	0.83
(2,3482)	1:82:A:LEU:HB2	1:168:A:LEU:HD22	5	0.83
(2,3482)	1:82:A:LEU:HB2	1:168:A:LEU:HD23	5	0.83
(2,3305)	1:152:A:LEU:HD21	1:151:A:GLU:HG3	9	0.83
(2,3305)	1:152:A:LEU:HD22	1:151:A:GLU:HG3	9	0.83
(2,3305)	1:152:A:LEU:HD23	1:151:A:GLU:HG3	9	0.83
(2,3294)	1:151:A:GLU:HG3	1:150:A:PRO:HA	3	0.83
(2,3289)	1:90:A:ASP:HB3	1:149:A:GLN:HA	8	0.83
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD11	16	0.83
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD12	16	0.83
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD13	16	0.83
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD11	8	0.83
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD12	8	0.83
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD13	8	0.83
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD11	8	0.83
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD12	8	0.83
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD13	8	0.83
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD11	8	0.83
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD12	8	0.83
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD13	8	0.83
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG21	8	0.83
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG22	8	0.83
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG23	8	0.83
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG21	8	0.83
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG22	8	0.83
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG23	8	0.83
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG21	8	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG22	8	0.83
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG23	8	0.83
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD21	6	0.83
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD22	6	0.83
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD23	6	0.83
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD21	7	0.83
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD22	7	0.83
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD23	7	0.83
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB1	19	0.83
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB2	19	0.83
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB3	19	0.83
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB1	19	0.83
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB2	19	0.83
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB3	19	0.83
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB1	19	0.83
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB2	19	0.83
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB3	19	0.83
(2,2514)	1:80:A:GLY:HA2	1:79:A:ASN:HB3	12	0.83
(2,2514)	1:80:A:GLY:HA2	1:79:A:ASN:HB3	19	0.83
(2,2356)	1:80:A:GLY:H	1:81:A:LYS:HE3	10	0.83
(2,2340)	1:142:A:LEU:HD11	1:156:A:ARG:HA	16	0.83
(2,2340)	1:142:A:LEU:HD12	1:156:A:ARG:HA	16	0.83
(2,2340)	1:142:A:LEU:HD13	1:156:A:ARG:HA	16	0.83
(2,2338)	1:158:A:GLU:HG3	1:158:A:GLU:HA	4	0.83
(2,2275)	1:158:A:GLU:HG3	1:155:A:GLU:HA	8	0.83
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD11	14	0.83
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD12	14	0.83
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD13	14	0.83
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD11	14	0.83
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD12	14	0.83
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD13	14	0.83
(2,2173)	1:49:A:ILE:HG12	1:82:A:LEU:HB3	12	0.83
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD11	18	0.83
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD12	18	0.83
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD13	18	0.83
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD11	5	0.83
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD12	5	0.83
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD13	5	0.83
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD11	5	0.83
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD12	5	0.83
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD13	5	0.83
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD11	5	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD12	5	0.83
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD13	5	0.83
(2,1624)	1:24:A:LYS:H	1:25:A:GLN:HG2	1	0.83
(2,1389)	1:16:A:GLU:HG3	1:8:A:PHE:HB2	5	0.83
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG11	10	0.83
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG12	10	0.83
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG13	10	0.83
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG11	10	0.83
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG12	10	0.83
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG13	10	0.83
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG11	10	0.83
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG12	10	0.83
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG13	10	0.83
(2,1209)	1:82:A:LEU:HD21	1:168:A:LEU:HA	8	0.83
(2,1209)	1:82:A:LEU:HD22	1:168:A:LEU:HA	8	0.83
(2,1209)	1:82:A:LEU:HD23	1:168:A:LEU:HA	8	0.83
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD21	19	0.83
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD22	19	0.83
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD23	19	0.83
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG21	3	0.83
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG22	3	0.83
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG23	3	0.83
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG21	16	0.83
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG22	16	0.83
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG23	16	0.83
(2,748)	1:155:A:GLU:HA	1:158:A:GLU:HG3	8	0.83
(2,746)	1:169:A:HIS:HB2	1:172:A:GLU:HG2	4	0.83
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD21	15	0.83
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD22	15	0.83
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD23	15	0.83
(2,493)	1:69:A:PHE:HZ	1:44:A:LEU:HD11	12	0.83
(2,493)	1:69:A:PHE:HZ	1:44:A:LEU:HD12	12	0.83
(2,493)	1:69:A:PHE:HZ	1:44:A:LEU:HD13	12	0.83
(2,450)	1:25:A:GLN:HE21	1:161:A:VAL:HB	1	0.83
(2,450)	1:25:A:GLN:HE21	1:161:A:VAL:HB	9	0.83
(2,400)	1:79:A:ASN:H	1:79:A:ASN:HB2	12	0.83
(2,171)	1:52:A:LEU:HB2	1:66:A:TRP:HZ2	12	0.83
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD1	16	0.83
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD2	16	0.83
(3,533)	1:103:A:GLY:HA3	1:106:A:ARG:HE	17	0.82
(3,533)	1:103:A:GLY:HA3	1:106:A:ARG:HE	19	0.82
(3,522)	1:108:A:ILE:HG12	1:105:A:ILE:H	4	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5201)	1:155:A:GLU:HB3	1:155:A:GLU:H	9	0.82
(2,5201)	1:155:A:GLU:HB3	1:155:A:GLU:H	13	0.82
(2,5201)	1:155:A:GLU:HB3	1:155:A:GLU:H	19	0.82
(2,5175)	1:156:A:ARG:HD3	1:151:A:GLU:H	5	0.82
(2,5149)	1:144:A:ILE:HG12	1:145:A:ASP:H	10	0.82
(2,4982)	1:112:A:ARG:HD2	1:113:A:GLY:H	16	0.82
(2,4708)	1:61:A:GLU:HB2	1:63:A:GLN:H	7	0.82
(2,4633)	1:3:A:ILE:HG12	1:48:A:ASP:H	13	0.82
(2,4491)	1:161:A:VAL:HG21	1:26:A:LEU:H	14	0.82
(2,4491)	1:161:A:VAL:HG22	1:26:A:LEU:H	14	0.82
(2,4491)	1:161:A:VAL:HG23	1:26:A:LEU:H	14	0.82
(2,4087)	1:171:A:ASP:HB2	1:175:A:ASN:HD21	7	0.82
(2,3967)	1:105:A:ILE:HG21	1:108:A:ILE:H	15	0.82
(2,3967)	1:105:A:ILE:HG22	1:108:A:ILE:H	15	0.82
(2,3967)	1:105:A:ILE:HG23	1:108:A:ILE:H	15	0.82
(2,3738)	1:6:A:ILE:HD11	1:22:A:ILE:H	17	0.82
(2,3738)	1:6:A:ILE:HD12	1:22:A:ILE:H	17	0.82
(2,3738)	1:6:A:ILE:HD13	1:22:A:ILE:H	17	0.82
(2,3628)	1:28:A:LYS:HB2	1:28:A:LYS:H	5	0.82
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD11	1	0.82
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD12	1	0.82
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD13	1	0.82
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD11	17	0.82
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD12	17	0.82
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD13	17	0.82
(2,3259)	1:41:A:LYS:HG3	1:42:A:GLU:HG3	13	0.82
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD11	14	0.82
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD12	14	0.82
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD13	14	0.82
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG21	16	0.82
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG22	16	0.82
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG23	16	0.82
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG21	16	0.82
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG22	16	0.82
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG23	16	0.82
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG21	16	0.82
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG22	16	0.82
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG23	16	0.82
(2,2965)	1:111:A:PRO:HG2	1:112:A:ARG:HD3	15	0.82
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD3	16	0.82
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD2	16	0.82
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD11	10	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD12	10	0.82
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD13	10	0.82
(2,2845)	1:175:A:ASN:HD21	1:171:A:ASP:HB2	7	0.82
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD11	6	0.82
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD12	6	0.82
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD13	6	0.82
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD11	6	0.82
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD12	6	0.82
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD13	6	0.82
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD11	6	0.82
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD12	6	0.82
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD13	6	0.82
(2,2514)	1:80:A:GLY:HA2	1:79:A:ASN:HB3	8	0.82
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG2	12	0.82
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG3	12	0.82
(2,2457)	1:162:A:LYS:HA	1:166:A:GLU:HG2	11	0.82
(2,2457)	1:162:A:LYS:HA	1:166:A:GLU:HG2	20	0.82
(2,2451)	1:108:A:ILE:HD11	1:74:A:GLU:HG3	10	0.82
(2,2451)	1:108:A:ILE:HD12	1:74:A:GLU:HG3	10	0.82
(2,2451)	1:108:A:ILE:HD13	1:74:A:GLU:HG3	10	0.82
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD11	3	0.82
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD12	3	0.82
(2,2025)	1:50:A:LEU:HB2	1:44:A:LEU:HD13	3	0.82
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG11	10	0.82
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG12	10	0.82
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG13	10	0.82
(2,1731)	1:27:A:GLY:HA2	1:24:A:LYS:HD2	1	0.82
(2,1624)	1:24:A:LYS:H	1:25:A:GLN:HG2	2	0.82
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG11	12	0.82
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG12	12	0.82
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG13	12	0.82
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD11	8	0.82
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD12	8	0.82
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD13	8	0.82
(2,1465)	1:18:A:ILE:HD11	1:17:A:ASN:HB2	8	0.82
(2,1465)	1:18:A:ILE:HD12	1:17:A:ASN:HB2	8	0.82
(2,1465)	1:18:A:ILE:HD13	1:17:A:ASN:HB2	8	0.82
(2,1389)	1:16:A:GLU:HG3	1:8:A:PHE:HB2	15	0.82
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD11	10	0.82
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD12	10	0.82
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD13	10	0.82
(2,1209)	1:82:A:LEU:HD21	1:168:A:LEU:HA	7	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1209)	1:82:A:LEU:HD22	1:168:A:LEU:HA	7	0.82
(2,1209)	1:82:A:LEU:HD23	1:168:A:LEU:HA	7	0.82
(2,1183)	1:76:A:ILE:HG12	1:73:A:LEU:HA	16	0.82
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD21	18	0.82
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD22	18	0.82
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD23	18	0.82
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG21	11	0.82
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG22	11	0.82
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG23	11	0.82
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG21	18	0.82
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG22	18	0.82
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG23	18	0.82
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD21	20	0.82
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD22	20	0.82
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD23	20	0.82
(2,445)	1:28:A:LYS:H	1:28:A:LYS:HB2	5	0.82
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD22	14	0.81
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD21	14	0.81
(3,544)	1:112:A:ARG:HG3	1:110:A:GLU:H	14	0.81
(3,288)	1:25:A:GLN:HG2	1:161:A:VAL:HA	14	0.81
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD1	1	0.81
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD2	1	0.81
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD1	5	0.81
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD2	5	0.81
(2,5385)	1:170:A:LEU:HD11	1:173:A:ILE:H	19	0.81
(2,5385)	1:170:A:LEU:HD12	1:173:A:ILE:H	19	0.81
(2,5385)	1:170:A:LEU:HD13	1:173:A:ILE:H	19	0.81
(2,5383)	1:40:A:SER:HB2	1:43:A:ASP:H	11	0.81
(2,5355)	1:142:A:LEU:HD11	1:120:A:TRP:HE1	19	0.81
(2,5355)	1:142:A:LEU:HD12	1:120:A:TRP:HE1	19	0.81
(2,5355)	1:142:A:LEU:HD13	1:120:A:TRP:HE1	19	0.81
(2,5328)	1:173:A:ILE:HG12	1:172:A:GLU:H	8	0.81
(2,5328)	1:173:A:ILE:HG12	1:172:A:GLU:H	16	0.81
(2,5328)	1:173:A:ILE:HG12	1:172:A:GLU:H	18	0.81
(2,5211)	1:152:A:LEU:HD21	1:156:A:ARG:H	12	0.81
(2,5211)	1:152:A:LEU:HD22	1:156:A:ARG:H	12	0.81
(2,5211)	1:152:A:LEU:HD23	1:156:A:ARG:H	12	0.81
(2,5201)	1:155:A:GLU:HB3	1:155:A:GLU:H	1	0.81
(2,5201)	1:155:A:GLU:HB3	1:155:A:GLU:H	4	0.81
(2,5201)	1:155:A:GLU:HB3	1:155:A:GLU:H	14	0.81
(2,5163)	1:148:A:ARG:HD3	1:148:A:ARG:H	16	0.81
(2,5090)	1:138:A:HIS:HB2	1:137:A:ASP:H	15	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5078)	1:140:A:VAL:HB	1:134:A:ALA:H	16	0.81
(2,5075)	1:140:A:VAL:HB	1:134:A:ALA:H	16	0.81
(2,4708)	1:61:A:GLU:HB2	1:63:A:GLN:H	3	0.81
(2,4596)	1:170:A:LEU:HD11	1:173:A:ILE:H	19	0.81
(2,4596)	1:170:A:LEU:HD12	1:173:A:ILE:H	19	0.81
(2,4596)	1:170:A:LEU:HD13	1:173:A:ILE:H	19	0.81
(2,4358)	1:50:A:LEU:HD11	1:5:A:GLY:H	1	0.81
(2,4358)	1:50:A:LEU:HD12	1:5:A:GLY:H	1	0.81
(2,4358)	1:50:A:LEU:HD13	1:5:A:GLY:H	1	0.81
(2,4000)	1:75:A:GLU:HG2	1:75:A:GLU:H	12	0.81
(2,3738)	1:6:A:ILE:HD11	1:22:A:ILE:H	4	0.81
(2,3738)	1:6:A:ILE:HD12	1:22:A:ILE:H	4	0.81
(2,3738)	1:6:A:ILE:HD13	1:22:A:ILE:H	4	0.81
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD11	9	0.81
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD12	9	0.81
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD13	9	0.81
(2,3513)	1:172:A:GLU:HG2	1:171:A:ASP:HB2	15	0.81
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD21	11	0.81
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD22	11	0.81
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD23	11	0.81
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD21	11	0.81
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD22	11	0.81
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD23	11	0.81
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD21	11	0.81
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD22	11	0.81
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD23	11	0.81
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD11	4	0.81
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD12	4	0.81
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD13	4	0.81
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD11	19	0.81
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD12	19	0.81
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD13	19	0.81
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG11	13	0.81
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG12	13	0.81
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG13	13	0.81
(2,3354)	1:162:A:LYS:H	1:163:A:GLN:HB3	12	0.81
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD11	17	0.81
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD12	17	0.81
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD13	17	0.81
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD11	17	0.81
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD12	17	0.81
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD13	17	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG11	6	0.81
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG12	6	0.81
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG13	6	0.81
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG11	6	0.81
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG12	6	0.81
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG13	6	0.81
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG11	6	0.81
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG12	6	0.81
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG13	6	0.81
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD11	5	0.81
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD12	5	0.81
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD13	5	0.81
(2,3109)	1:125:A:TYR:HE1	1:128:A:GLU:HG2	14	0.81
(2,3109)	1:125:A:TYR:HE2	1:128:A:GLU:HG2	14	0.81
(2,3062)	1:133:A:LEU:HD11	1:122:A:THR:HA	16	0.81
(2,3062)	1:133:A:LEU:HD12	1:122:A:THR:HA	16	0.81
(2,3062)	1:133:A:LEU:HD13	1:122:A:THR:HA	16	0.81
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD11	17	0.81
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD12	17	0.81
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD13	17	0.81
(2,2839)	1:107:A:ASP:HA	1:106:A:ARG:HD3	1	0.81
(2,2839)	1:107:A:ASP:HA	1:106:A:ARG:HD3	10	0.81
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD21	19	0.81
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD22	19	0.81
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD23	19	0.81
(2,2726)	1:102:A:LEU:HG	1:99:A:CYS:HB2	19	0.81
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD21	8	0.81
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD22	8	0.81
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD23	8	0.81
(2,2180)	1:161:A:VAL:HG11	1:162:A:LYS:HD2	19	0.81
(2,2180)	1:161:A:VAL:HG12	1:162:A:LYS:HD2	19	0.81
(2,2180)	1:161:A:VAL:HG13	1:162:A:LYS:HD2	19	0.81
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG21	2	0.81
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG22	2	0.81
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG23	2	0.81
(2,2038)	1:52:A:LEU:HD21	1:44:A:LEU:HD21	14	0.81
(2,2038)	1:52:A:LEU:HD21	1:44:A:LEU:HD22	14	0.81
(2,2038)	1:52:A:LEU:HD21	1:44:A:LEU:HD23	14	0.81
(2,2038)	1:52:A:LEU:HD22	1:44:A:LEU:HD21	14	0.81
(2,2038)	1:52:A:LEU:HD22	1:44:A:LEU:HD22	14	0.81
(2,2038)	1:52:A:LEU:HD22	1:44:A:LEU:HD23	14	0.81
(2,2038)	1:52:A:LEU:HD23	1:44:A:LEU:HD21	14	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2038)	1:52:A:LEU:HD23	1:44:A:LEU:HD22	14	0.81
(2,2038)	1:52:A:LEU:HD23	1:44:A:LEU:HD23	14	0.81
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG21	20	0.81
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG22	20	0.81
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG23	20	0.81
(2,1717)	1:158:A:GLU:HG2	1:155:A:GLU:HA	8	0.81
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG11	5	0.81
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG12	5	0.81
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG13	5	0.81
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG11	5	0.81
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG12	5	0.81
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG13	5	0.81
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG11	5	0.81
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG12	5	0.81
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG13	5	0.81
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG21	19	0.81
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG22	19	0.81
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG23	19	0.81
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD11	14	0.81
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD12	14	0.81
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD13	14	0.81
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD11	19	0.81
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD12	19	0.81
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD13	19	0.81
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG11	14	0.81
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG12	14	0.81
(2,582)	1:23:A:GLN:HE21	1:33:A:VAL:HG13	14	0.81
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD21	18	0.81
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD22	18	0.81
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD23	18	0.81
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD21	18	0.81
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD22	18	0.81
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD23	18	0.81
(2,437)	1:134:A:ALA:H	1:140:A:VAL:HB	16	0.81
(2,119)	1:120:A:TRP:H	1:160:A:TRP:HD1	8	0.81
(3,288)	1:25:A:GLN:HG2	1:161:A:VAL:HA	19	0.8
(3,59)	1:157:A:VAL:H	1:144:A:ILE:HD11	15	0.8
(3,59)	1:157:A:VAL:H	1:144:A:ILE:HD12	15	0.8
(3,59)	1:157:A:VAL:H	1:144:A:ILE:HD13	15	0.8
(3,35)	1:158:A:GLU:H	1:120:A:TRP:HZ2	17	0.8
(3,35)	1:158:A:GLU:H	1:120:A:TRP:HZ2	18	0.8
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD1	18	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,22)	1:100:A:ASP:HB2	1:59:A:TYR:HD2	18	0.8
(2,5385)	1:170:A:LEU:HD11	1:173:A:ILE:H	8	0.8
(2,5385)	1:170:A:LEU:HD12	1:173:A:ILE:H	8	0.8
(2,5385)	1:170:A:LEU:HD13	1:173:A:ILE:H	8	0.8
(2,5385)	1:170:A:LEU:HD11	1:173:A:ILE:H	12	0.8
(2,5385)	1:170:A:LEU:HD12	1:173:A:ILE:H	12	0.8
(2,5385)	1:170:A:LEU:HD13	1:173:A:ILE:H	12	0.8
(2,5355)	1:142:A:LEU:HD11	1:120:A:TRP:HE1	18	0.8
(2,5355)	1:142:A:LEU:HD12	1:120:A:TRP:HE1	18	0.8
(2,5355)	1:142:A:LEU:HD13	1:120:A:TRP:HE1	18	0.8
(2,5328)	1:173:A:ILE:HG12	1:172:A:GLU:H	17	0.8
(2,5267)	1:165:A:SER:HB3	1:164:A:ILE:H	15	0.8
(2,5259)	1:163:A:GLN:HG2	1:163:A:GLN:H	5	0.8
(2,5201)	1:155:A:GLU:HB3	1:155:A:GLU:H	7	0.8
(2,5149)	1:144:A:ILE:HG12	1:145:A:ASP:H	14	0.8
(2,4981)	1:111:A:PRO:HG2	1:112:A:ARG:HE	7	0.8
(2,4734)	1:65:A:ASP:H	1:69:A:PHE:H	1	0.8
(2,4734)	1:65:A:ASP:H	1:69:A:PHE:H	18	0.8
(2,4698)	1:101:A:ALA:H	1:61:A:GLU:H	1	0.8
(2,4596)	1:170:A:LEU:HD11	1:173:A:ILE:H	8	0.8
(2,4596)	1:170:A:LEU:HD12	1:173:A:ILE:H	8	0.8
(2,4596)	1:170:A:LEU:HD13	1:173:A:ILE:H	8	0.8
(2,4596)	1:170:A:LEU:HD11	1:173:A:ILE:H	12	0.8
(2,4596)	1:170:A:LEU:HD12	1:173:A:ILE:H	12	0.8
(2,4596)	1:170:A:LEU:HD13	1:173:A:ILE:H	12	0.8
(2,4491)	1:161:A:VAL:HG21	1:26:A:LEU:H	7	0.8
(2,4491)	1:161:A:VAL:HG22	1:26:A:LEU:H	7	0.8
(2,4491)	1:161:A:VAL:HG23	1:26:A:LEU:H	7	0.8
(2,4180)	1:102:A:LEU:HD11	1:87:A:GLY:H	12	0.8
(2,4180)	1:102:A:LEU:HD12	1:87:A:GLY:H	12	0.8
(2,4180)	1:102:A:LEU:HD13	1:87:A:GLY:H	12	0.8
(2,3967)	1:105:A:ILE:HG21	1:108:A:ILE:H	9	0.8
(2,3967)	1:105:A:ILE:HG22	1:108:A:ILE:H	9	0.8
(2,3967)	1:105:A:ILE:HG23	1:108:A:ILE:H	9	0.8
(2,3794)	1:152:A:LEU:HB3	1:156:A:ARG:H	6	0.8
(2,3628)	1:28:A:LYS:HB2	1:28:A:LYS:H	4	0.8
(2,3551)	1:59:A:TYR:HE1	1:58:A:TYR:HB2	13	0.8
(2,3551)	1:59:A:TYR:HE2	1:58:A:TYR:HB2	13	0.8
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD11	8	0.8
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD12	8	0.8
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD13	8	0.8
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD11	12	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD12	12	0.8
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD13	12	0.8
(2,3463)	1:170:A:LEU:HD11	1:165:A:SER:HB2	16	0.8
(2,3463)	1:170:A:LEU:HD12	1:165:A:SER:HB2	16	0.8
(2,3463)	1:170:A:LEU:HD13	1:165:A:SER:HB2	16	0.8
(2,3429)	1:155:A:GLU:HG2	1:159:A:LYS:HE2	19	0.8
(2,3391)	1:159:A:LYS:HE2	1:158:A:GLU:HB2	4	0.8
(2,3289)	1:90:A:ASP:HB3	1:149:A:GLN:HA	5	0.8
(2,3176)	1:140:A:VAL:HG11	1:134:A:ALA:HA	14	0.8
(2,3176)	1:140:A:VAL:HG12	1:134:A:ALA:HA	14	0.8
(2,3176)	1:140:A:VAL:HG13	1:134:A:ALA:HA	14	0.8
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD11	3	0.8
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD12	3	0.8
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD13	3	0.8
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD11	5	0.8
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD12	5	0.8
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD13	5	0.8
(2,2461)	1:74:A:GLU:HG2	1:75:A:GLU:HG3	16	0.8
(2,2457)	1:162:A:LYS:HA	1:166:A:GLU:HG2	18	0.8
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG21	1	0.8
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG22	1	0.8
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG23	1	0.8
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG21	16	0.8
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG22	16	0.8
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG23	16	0.8
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD11	14	0.8
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD12	14	0.8
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD13	14	0.8
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD11	14	0.8
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD12	14	0.8
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD13	14	0.8
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD11	15	0.8
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD12	15	0.8
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD13	15	0.8
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD11	15	0.8
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD12	15	0.8
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD13	15	0.8
(2,1732)	1:131:A:LYS:H	1:131:A:LYS:HE2	7	0.8
(2,1732)	1:131:A:LYS:H	1:131:A:LYS:HE2	16	0.8
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD11	4	0.8
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD12	4	0.8
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD13	4	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1465)	1:18:A:ILE:HD11	1:17:A:ASN:HB2	4	0.8
(2,1465)	1:18:A:ILE:HD12	1:17:A:ASN:HB2	4	0.8
(2,1465)	1:18:A:ILE:HD13	1:17:A:ASN:HB2	4	0.8
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD11	6	0.8
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD12	6	0.8
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD13	6	0.8
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG11	7	0.8
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG12	7	0.8
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG13	7	0.8
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG11	7	0.8
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG12	7	0.8
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG13	7	0.8
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG11	7	0.8
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG12	7	0.8
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG13	7	0.8
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD11	10	0.8
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD12	10	0.8
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD13	10	0.8
(2,1180)	1:68:A:ASP:HB2	1:65:A:ASP:HA	14	0.8
(2,1165)	1:24:A:LYS:HG2	1:21:A:MET:HA	6	0.8
(2,1165)	1:24:A:LYS:HG2	1:21:A:MET:HA	17	0.8
(2,1119)	1:117:A:VAL:HG11	1:164:A:ILE:HA	3	0.8
(2,1119)	1:117:A:VAL:HG12	1:164:A:ILE:HA	3	0.8
(2,1119)	1:117:A:VAL:HG13	1:164:A:ILE:HA	3	0.8
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG11	3	0.8
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG12	3	0.8
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG13	3	0.8
(2,878)	1:141:A:GLY:HA2	1:102:A:LEU:HD21	8	0.8
(2,878)	1:141:A:GLY:HA2	1:102:A:LEU:HD22	8	0.8
(2,878)	1:141:A:GLY:HA2	1:102:A:LEU:HD23	8	0.8
(2,798)	1:112:A:ARG:HD2	1:111:A:PRO:HG2	10	0.8
(2,783)	1:76:A:ILE:HA	1:41:A:LYS:HD2	3	0.8
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD11	18	0.8
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD12	18	0.8
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD13	18	0.8
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD11	5	0.8
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD12	5	0.8
(2,523)	1:141:A:GLY:H	1:102:A:LEU:HD13	5	0.8
(2,450)	1:25:A:GLN:HE21	1:161:A:VAL:HB	15	0.8
(2,445)	1:28:A:LYS:H	1:28:A:LYS:HB2	4	0.8
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD1	18	0.8
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD2	18	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD1	12	0.8
(2,61)	1:50:A:LEU:HD11	1:47:A:TYR:HD2	12	0.8
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD1	12	0.8
(2,61)	1:50:A:LEU:HD12	1:47:A:TYR:HD2	12	0.8
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD1	12	0.8
(2,61)	1:50:A:LEU:HD13	1:47:A:TYR:HD2	12	0.8
(3,544)	1:112:A:ARG:HG3	1:110:A:GLU:H	12	0.79
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD11	8	0.79
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD12	8	0.79
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD13	8	0.79
(3,165)	1:112:A:ARG:HB3	1:81:A:LYS:HD2	9	0.79
(2,5355)	1:142:A:LEU:HD11	1:120:A:TRP:HE1	17	0.79
(2,5355)	1:142:A:LEU:HD12	1:120:A:TRP:HE1	17	0.79
(2,5355)	1:142:A:LEU:HD13	1:120:A:TRP:HE1	17	0.79
(2,5324)	1:166:A:GLU:HB2	1:171:A:ASP:H	16	0.79
(2,5267)	1:165:A:SER:HB3	1:164:A:ILE:H	5	0.79
(2,5211)	1:152:A:LEU:HD21	1:156:A:ARG:H	9	0.79
(2,5211)	1:152:A:LEU:HD22	1:156:A:ARG:H	9	0.79
(2,5211)	1:152:A:LEU:HD23	1:156:A:ARG:H	9	0.79
(2,5201)	1:155:A:GLU:HB3	1:155:A:GLU:H	8	0.79
(2,5163)	1:148:A:ARG:HD3	1:148:A:ARG:H	12	0.79
(2,5025)	1:137:A:ASP:HB3	1:123:A:ALA:H	10	0.79
(2,4982)	1:112:A:ARG:HD2	1:113:A:GLY:H	7	0.79
(2,4981)	1:111:A:PRO:HG2	1:112:A:ARG:HE	5	0.79
(2,4951)	1:108:A:ILE:HG12	1:107:A:ASP:H	11	0.79
(2,4866)	1:91:A:GLN:HG3	1:93:A:ASP:H	8	0.79
(2,4866)	1:91:A:GLN:HG3	1:93:A:ASP:H	10	0.79
(2,4634)	1:50:A:LEU:HD11	1:48:A:ASP:H	8	0.79
(2,4634)	1:50:A:LEU:HD12	1:48:A:ASP:H	8	0.79
(2,4634)	1:50:A:LEU:HD13	1:48:A:ASP:H	8	0.79
(2,4087)	1:171:A:ASP:HB2	1:175:A:ASN:HD21	8	0.79
(2,3967)	1:105:A:ILE:HG21	1:108:A:ILE:H	13	0.79
(2,3967)	1:105:A:ILE:HG22	1:108:A:ILE:H	13	0.79
(2,3967)	1:105:A:ILE:HG23	1:108:A:ILE:H	13	0.79
(2,3965)	1:111:A:PRO:HD2	1:108:A:ILE:H	5	0.79
(2,3823)	1:68:A:ASP:HB2	1:69:A:PHE:H	9	0.79
(2,3806)	1:67:A:ASP:HB2	1:63:A:GLN:H	12	0.79
(2,3738)	1:6:A:ILE:HD11	1:22:A:ILE:H	2	0.79
(2,3738)	1:6:A:ILE:HD12	1:22:A:ILE:H	2	0.79
(2,3738)	1:6:A:ILE:HD13	1:22:A:ILE:H	2	0.79
(2,3628)	1:28:A:LYS:HB2	1:28:A:LYS:H	17	0.79
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD21	1	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD22	1	0.79
(2,3487)	1:165:A:SER:H	1:168:A:LEU:HD23	1	0.79
(2,3437)	1:170:A:LEU:HG	1:164:A:ILE:HA	6	0.79
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG11	3	0.79
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG12	3	0.79
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG13	3	0.79
(2,3289)	1:90:A:ASP:HB3	1:149:A:GLN:HA	2	0.79
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD11	8	0.79
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD12	8	0.79
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD13	8	0.79
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG11	17	0.79
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG12	17	0.79
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG13	17	0.79
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG11	17	0.79
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG12	17	0.79
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG13	17	0.79
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG11	17	0.79
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG12	17	0.79
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG13	17	0.79
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD11	15	0.79
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD12	15	0.79
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD13	15	0.79
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD11	15	0.79
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD12	15	0.79
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD13	15	0.79
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD11	15	0.79
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD12	15	0.79
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD13	15	0.79
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG21	15	0.79
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG22	15	0.79
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG23	15	0.79
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG21	15	0.79
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG22	15	0.79
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG23	15	0.79
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG21	15	0.79
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG22	15	0.79
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG23	15	0.79
(2,2940)	1:112:A:ARG:HD2	1:111:A:PRO:HB3	10	0.79
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG21	2	0.79
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG22	2	0.79
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG23	2	0.79
(2,2845)	1:175:A:ASN:HD21	1:171:A:ASP:HB2	8	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2520)	1:79:A:ASN:HB2	1:113:A:GLY:HA2	11	0.79
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB3	16	0.79
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB3	16	0.79
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB3	16	0.79
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB2	16	0.79
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB2	16	0.79
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB2	16	0.79
(2,2023)	1:50:A:LEU:HD21	1:44:A:LEU:HD11	6	0.79
(2,2023)	1:50:A:LEU:HD21	1:44:A:LEU:HD12	6	0.79
(2,2023)	1:50:A:LEU:HD21	1:44:A:LEU:HD13	6	0.79
(2,2023)	1:50:A:LEU:HD22	1:44:A:LEU:HD11	6	0.79
(2,2023)	1:50:A:LEU:HD22	1:44:A:LEU:HD12	6	0.79
(2,2023)	1:50:A:LEU:HD22	1:44:A:LEU:HD13	6	0.79
(2,2023)	1:50:A:LEU:HD23	1:44:A:LEU:HD11	6	0.79
(2,2023)	1:50:A:LEU:HD23	1:44:A:LEU:HD12	6	0.79
(2,2023)	1:50:A:LEU:HD23	1:44:A:LEU:HD13	6	0.79
(2,1967)	1:45:A:GLU:HG2	1:42:A:GLU:HA	3	0.79
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG21	1	0.79
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG22	1	0.79
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG23	1	0.79
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG21	7	0.79
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG22	7	0.79
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG23	7	0.79
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG21	10	0.79
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG22	10	0.79
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG23	10	0.79
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG11	16	0.79
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG12	16	0.79
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG13	16	0.79
(2,1731)	1:27:A:GLY:HA2	1:24:A:LYS:HD2	10	0.79
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB2	3	0.79
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB2	3	0.79
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB2	3	0.79
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB3	3	0.79
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB3	3	0.79
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB3	3	0.79
(2,1624)	1:24:A:LYS:H	1:25:A:GLN:HG2	8	0.79
(2,1624)	1:24:A:LYS:H	1:25:A:GLN:HG2	10	0.79
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG11	11	0.79
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG12	11	0.79
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG13	11	0.79
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG11	7	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG12	7	0.79
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG13	7	0.79
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG11	20	0.79
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG12	20	0.79
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG13	20	0.79
(2,1545)	1:168:A:LEU:HD11	1:167:A:GLU:HA	1	0.79
(2,1545)	1:168:A:LEU:HD12	1:167:A:GLU:HA	1	0.79
(2,1545)	1:168:A:LEU:HD13	1:167:A:GLU:HA	1	0.79
(2,1545)	1:168:A:LEU:HD11	1:167:A:GLU:HA	12	0.79
(2,1545)	1:168:A:LEU:HD12	1:167:A:GLU:HA	12	0.79
(2,1545)	1:168:A:LEU:HD13	1:167:A:GLU:HA	12	0.79
(2,1545)	1:168:A:LEU:HD11	1:167:A:GLU:HA	19	0.79
(2,1545)	1:168:A:LEU:HD12	1:167:A:GLU:HA	19	0.79
(2,1545)	1:168:A:LEU:HD13	1:167:A:GLU:HA	19	0.79
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD11	8	0.79
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD12	8	0.79
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD13	8	0.79
(2,1466)	1:16:A:GLU:HG3	1:17:A:ASN:HB2	3	0.79
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG11	11	0.79
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG12	11	0.79
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG13	11	0.79
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG11	11	0.79
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG12	11	0.79
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG13	11	0.79
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG11	11	0.79
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG12	11	0.79
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG13	11	0.79
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD21	9	0.79
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD22	9	0.79
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD23	9	0.79
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD21	9	0.79
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD22	9	0.79
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD23	9	0.79
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD21	9	0.79
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD22	9	0.79
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD23	9	0.79
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD21	19	0.79
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD22	19	0.79
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD23	19	0.79
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD21	19	0.79
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD22	19	0.79
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD23	19	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD21	19	0.79
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD22	19	0.79
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD23	19	0.79
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG21	15	0.79
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG22	15	0.79
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG23	15	0.79
(2,816)	1:165:A:SER:HA	1:26:A:LEU:HG	16	0.79
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD11	17	0.79
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD12	17	0.79
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD13	17	0.79
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD21	4	0.79
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD22	4	0.79
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD23	4	0.79
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD21	5	0.79
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD22	5	0.79
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD23	5	0.79
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD21	9	0.79
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD22	9	0.79
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD23	9	0.79
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD21	13	0.79
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD22	13	0.79
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD23	13	0.79
(2,525)	1:86:A:PHE:HD1	1:142:A:LEU:HG	17	0.79
(2,525)	1:86:A:PHE:HD2	1:142:A:LEU:HG	17	0.79
(2,525)	1:86:A:PHE:HD1	1:142:A:LEU:HG	20	0.79
(2,525)	1:86:A:PHE:HD2	1:142:A:LEU:HG	20	0.79
(2,445)	1:28:A:LYS:H	1:28:A:LYS:HB2	17	0.79
(2,64)	1:61:A:GLU:HG3	1:58:A:TYR:HD1	6	0.79
(2,64)	1:61:A:GLU:HG3	1:58:A:TYR:HD2	6	0.79
(3,658)	1:170:A:LEU:HB3	1:166:A:GLU:H	2	0.78
(3,534)	1:116:A:ILE:HG12	1:106:A:ARG:HE	9	0.78
(3,453)	1:41:A:LYS:HD2	1:77:A:ASP:H	16	0.78
(3,149)	1:66:A:TRP:HZ3	1:65:A:ASP:HB2	2	0.78
(2,5367)	1:87:A:GLY:HA2	1:14:A:ASN:HD22	10	0.78
(2,5245)	1:142:A:LEU:HD11	1:160:A:TRP:H	16	0.78
(2,5245)	1:142:A:LEU:HD12	1:160:A:TRP:H	16	0.78
(2,5245)	1:142:A:LEU:HD13	1:160:A:TRP:H	16	0.78
(2,5211)	1:152:A:LEU:HD21	1:156:A:ARG:H	17	0.78
(2,5211)	1:152:A:LEU:HD22	1:156:A:ARG:H	17	0.78
(2,5211)	1:152:A:LEU:HD23	1:156:A:ARG:H	17	0.78
(2,5189)	1:156:A:ARG:HG2	1:153:A:THR:H	8	0.78
(2,5145)	1:156:A:ARG:HD2	1:145:A:ASP:H	5	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5025)	1:137:A:ASP:HB3	1:123:A:ALA:H	4	0.78
(2,5025)	1:137:A:ASP:HB3	1:123:A:ALA:H	5	0.78
(2,4951)	1:108:A:ILE:HG12	1:107:A:ASP:H	15	0.78
(2,4937)	1:106:A:ARG:HB2	1:105:A:ILE:H	6	0.78
(2,4708)	1:61:A:GLU:HB2	1:63:A:GLN:H	18	0.78
(2,4639)	1:82:A:LEU:HB3	1:49:A:ILE:H	4	0.78
(2,4633)	1:3:A:ILE:HG12	1:48:A:ASP:H	16	0.78
(2,4576)	1:44:A:LEU:HD11	1:40:A:SER:H	7	0.78
(2,4576)	1:44:A:LEU:HD12	1:40:A:SER:H	7	0.78
(2,4576)	1:44:A:LEU:HD13	1:40:A:SER:H	7	0.78
(2,4557)	1:38:A:LYS:HD2	1:37:A:ALA:H	2	0.78
(2,4008)	1:148:A:ARG:HB3	1:149:A:GLN:H	20	0.78
(2,4000)	1:75:A:GLU:HG2	1:75:A:GLU:H	18	0.78
(2,3967)	1:105:A:ILE:HG21	1:108:A:ILE:H	18	0.78
(2,3967)	1:105:A:ILE:HG22	1:108:A:ILE:H	18	0.78
(2,3967)	1:105:A:ILE:HG23	1:108:A:ILE:H	18	0.78
(2,3750)	1:82:A:LEU:HD21	1:83:A:VAL:H	18	0.78
(2,3750)	1:82:A:LEU:HD22	1:83:A:VAL:H	18	0.78
(2,3750)	1:82:A:LEU:HD23	1:83:A:VAL:H	18	0.78
(2,3738)	1:6:A:ILE:HD11	1:22:A:ILE:H	16	0.78
(2,3738)	1:6:A:ILE:HD12	1:22:A:ILE:H	16	0.78
(2,3738)	1:6:A:ILE:HD13	1:22:A:ILE:H	16	0.78
(2,3732)	1:165:A:SER:HB3	1:166:A:GLU:H	3	0.78
(2,3661)	1:91:A:GLN:HG3	1:91:A:GLN:H	2	0.78
(2,3513)	1:172:A:GLU:HG2	1:171:A:ASP:HB2	11	0.78
(2,3513)	1:172:A:GLU:HG2	1:171:A:ASP:HB2	20	0.78
(2,3512)	1:166:A:GLU:HB3	1:171:A:ASP:HB2	5	0.78
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD11	18	0.78
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD12	18	0.78
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD13	18	0.78
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD11	3	0.78
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD12	3	0.78
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD13	3	0.78
(2,3391)	1:159:A:LYS:HE2	1:158:A:GLU:HB2	10	0.78
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG21	12	0.78
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG22	12	0.78
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG23	12	0.78
(2,3354)	1:162:A:LYS:H	1:163:A:GLN:HB3	8	0.78
(2,3176)	1:140:A:VAL:HG11	1:134:A:ALA:HA	3	0.78
(2,3176)	1:140:A:VAL:HG12	1:134:A:ALA:HA	3	0.78
(2,3176)	1:140:A:VAL:HG13	1:134:A:ALA:HA	3	0.78
(2,3109)	1:125:A:TYR:HE1	1:128:A:GLU:HG2	7	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3109)	1:125:A:TYR:HE2	1:128:A:GLU:HG2	7	0.78
(2,3093)	1:125:A:TYR:HD1	1:126:A:HIS:HB2	18	0.78
(2,3093)	1:125:A:TYR:HD2	1:126:A:HIS:HB2	18	0.78
(2,3062)	1:133:A:LEU:HD11	1:122:A:THR:HA	2	0.78
(2,3062)	1:133:A:LEU:HD12	1:122:A:THR:HA	2	0.78
(2,3062)	1:133:A:LEU:HD13	1:122:A:THR:HA	2	0.78
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD11	2	0.78
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD12	2	0.78
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD13	2	0.78
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD11	18	0.78
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD12	18	0.78
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD13	18	0.78
(2,2983)	1:116:A:ILE:HD11	1:115:A:THR:HA	14	0.78
(2,2983)	1:116:A:ILE:HD12	1:115:A:THR:HA	14	0.78
(2,2983)	1:116:A:ILE:HD13	1:115:A:THR:HA	14	0.78
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG21	14	0.78
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG22	14	0.78
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG23	14	0.78
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB1	10	0.78
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB2	10	0.78
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB3	10	0.78
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB1	10	0.78
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB2	10	0.78
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB3	10	0.78
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB1	10	0.78
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB2	10	0.78
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB3	10	0.78
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD11	12	0.78
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD12	12	0.78
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD13	12	0.78
(2,2461)	1:74:A:GLU:HG2	1:75:A:GLU:HG3	17	0.78
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD21	1	0.78
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD22	1	0.78
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD23	1	0.78
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD21	15	0.78
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD22	15	0.78
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD23	15	0.78
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD21	19	0.78
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD22	19	0.78
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD23	19	0.78
(2,2275)	1:158:A:GLU:HG3	1:155:A:GLU:HA	20	0.78
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD11	5	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD12	5	0.78
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD13	5	0.78
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD11	5	0.78
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD12	5	0.78
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD13	5	0.78
(2,2035)	1:40:A:SER:H	1:44:A:LEU:HD11	7	0.78
(2,2035)	1:40:A:SER:H	1:44:A:LEU:HD12	7	0.78
(2,2035)	1:40:A:SER:H	1:44:A:LEU:HD13	7	0.78
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD11	13	0.78
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD12	13	0.78
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD13	13	0.78
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD11	13	0.78
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD12	13	0.78
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD13	13	0.78
(2,2022)	1:72:A:THR:HG21	1:44:A:LEU:HD11	7	0.78
(2,2022)	1:72:A:THR:HG21	1:44:A:LEU:HD12	7	0.78
(2,2022)	1:72:A:THR:HG21	1:44:A:LEU:HD13	7	0.78
(2,2022)	1:72:A:THR:HG22	1:44:A:LEU:HD11	7	0.78
(2,2022)	1:72:A:THR:HG22	1:44:A:LEU:HD12	7	0.78
(2,2022)	1:72:A:THR:HG22	1:44:A:LEU:HD13	7	0.78
(2,2022)	1:72:A:THR:HG23	1:44:A:LEU:HD11	7	0.78
(2,2022)	1:72:A:THR:HG23	1:44:A:LEU:HD12	7	0.78
(2,2022)	1:72:A:THR:HG23	1:44:A:LEU:HD13	7	0.78
(2,1906)	1:100:A:ASP:HB2	1:131:A:LYS:HD2	11	0.78
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG11	9	0.78
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG12	9	0.78
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG13	9	0.78
(2,1686)	1:170:A:LEU:HD11	1:26:A:LEU:HG	14	0.78
(2,1686)	1:170:A:LEU:HD12	1:26:A:LEU:HG	14	0.78
(2,1686)	1:170:A:LEU:HD13	1:26:A:LEU:HG	14	0.78
(2,1624)	1:24:A:LYS:H	1:25:A:GLN:HG2	18	0.78
(2,1545)	1:168:A:LEU:HD11	1:167:A:GLU:HA	9	0.78
(2,1545)	1:168:A:LEU:HD12	1:167:A:GLU:HA	9	0.78
(2,1545)	1:168:A:LEU:HD13	1:167:A:GLU:HA	9	0.78
(2,1453)	1:20:A:LYS:HE2	1:16:A:GLU:HG2	16	0.78
(2,1165)	1:24:A:LYS:HG2	1:21:A:MET:HA	10	0.78
(2,1165)	1:24:A:LYS:HG2	1:21:A:MET:HA	15	0.78
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG11	3	0.78
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG12	3	0.78
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG13	3	0.78
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG11	3	0.78
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG12	3	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG13	3	0.78
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG11	3	0.78
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG12	3	0.78
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG13	3	0.78
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB1	3	0.78
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB2	3	0.78
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB3	3	0.78
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG21	1	0.78
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG22	1	0.78
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG23	1	0.78
(2,748)	1:155:A:GLU:HA	1:158:A:GLU:HG3	20	0.78
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD11	16	0.78
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD12	16	0.78
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD13	16	0.78
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD11	12	0.78
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD12	12	0.78
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD13	12	0.78
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD21	18	0.78
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD22	18	0.78
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD23	18	0.78
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD11	12	0.78
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD12	12	0.78
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD13	12	0.78
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD11	12	0.78
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD12	12	0.78
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD13	12	0.78
(3,534)	1:116:A:ILE:HG12	1:106:A:ARG:HE	15	0.77
(3,533)	1:103:A:GLY:HA3	1:106:A:ARG:HE	16	0.77
(3,288)	1:25:A:GLN:HG2	1:161:A:VAL:HA	1	0.77
(2,5385)	1:170:A:LEU:HD11	1:173:A:ILE:H	15	0.77
(2,5385)	1:170:A:LEU:HD12	1:173:A:ILE:H	15	0.77
(2,5385)	1:170:A:LEU:HD13	1:173:A:ILE:H	15	0.77
(2,5324)	1:166:A:GLU:HB2	1:171:A:ASP:H	20	0.77
(2,5267)	1:165:A:SER:HB3	1:164:A:ILE:H	6	0.77
(2,5267)	1:165:A:SER:HB3	1:164:A:ILE:H	11	0.77
(2,5259)	1:163:A:GLN:HG2	1:163:A:GLN:H	10	0.77
(2,5259)	1:163:A:GLN:HG2	1:163:A:GLN:H	13	0.77
(2,5201)	1:155:A:GLU:HB3	1:155:A:GLU:H	17	0.77
(2,5149)	1:144:A:ILE:HG12	1:145:A:ASP:H	1	0.77
(2,5100)	1:133:A:LEU:HB2	1:138:A:HIS:H	12	0.77
(2,5100)	1:133:A:LEU:HB2	1:138:A:HIS:H	13	0.77
(2,5078)	1:140:A:VAL:HB	1:134:A:ALA:H	5	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5075)	1:140:A:VAL:HB	1:134:A:ALA:H	5	0.77
(2,4982)	1:112:A:ARG:HD2	1:113:A:GLY:H	5	0.77
(2,4768)	1:76:A:ILE:HG12	1:75:A:GLU:H	15	0.77
(2,4734)	1:65:A:ASP:H	1:69:A:PHE:H	17	0.77
(2,4596)	1:170:A:LEU:HD11	1:173:A:ILE:H	15	0.77
(2,4596)	1:170:A:LEU:HD12	1:173:A:ILE:H	15	0.77
(2,4596)	1:170:A:LEU:HD13	1:173:A:ILE:H	15	0.77
(2,4576)	1:44:A:LEU:HD11	1:40:A:SER:H	15	0.77
(2,4576)	1:44:A:LEU:HD12	1:40:A:SER:H	15	0.77
(2,4576)	1:44:A:LEU:HD13	1:40:A:SER:H	15	0.77
(2,4442)	1:18:A:ILE:HB	1:20:A:LYS:H	3	0.77
(2,4358)	1:50:A:LEU:HD11	1:5:A:GLY:H	11	0.77
(2,4358)	1:50:A:LEU:HD12	1:5:A:GLY:H	11	0.77
(2,4358)	1:50:A:LEU:HD13	1:5:A:GLY:H	11	0.77
(2,3967)	1:105:A:ILE:HG21	1:108:A:ILE:H	4	0.77
(2,3967)	1:105:A:ILE:HG22	1:108:A:ILE:H	4	0.77
(2,3967)	1:105:A:ILE:HG23	1:108:A:ILE:H	4	0.77
(2,3967)	1:105:A:ILE:HG21	1:108:A:ILE:H	19	0.77
(2,3967)	1:105:A:ILE:HG22	1:108:A:ILE:H	19	0.77
(2,3967)	1:105:A:ILE:HG23	1:108:A:ILE:H	19	0.77
(2,3823)	1:68:A:ASP:HB2	1:69:A:PHE:H	4	0.77
(2,3823)	1:68:A:ASP:HB2	1:69:A:PHE:H	5	0.77
(2,3551)	1:59:A:TYR:HE1	1:58:A:TYR:HB2	2	0.77
(2,3551)	1:59:A:TYR:HE2	1:58:A:TYR:HB2	2	0.77
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD11	7	0.77
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD12	7	0.77
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD13	7	0.77
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD11	16	0.77
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD12	16	0.77
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD13	16	0.77
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD11	15	0.77
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD12	15	0.77
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD13	15	0.77
(2,3429)	1:155:A:GLU:HG2	1:159:A:LYS:HE2	20	0.77
(2,3391)	1:159:A:LYS:HE2	1:158:A:GLU:HB2	9	0.77
(2,3354)	1:162:A:LYS:H	1:163:A:GLN:HB3	9	0.77
(2,3354)	1:162:A:LYS:H	1:163:A:GLN:HB3	15	0.77
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD11	12	0.77
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD12	12	0.77
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD13	12	0.77
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD11	15	0.77
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD12	15	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD13	15	0.77
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG21	2	0.77
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG22	2	0.77
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG23	2	0.77
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG21	2	0.77
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG22	2	0.77
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG23	2	0.77
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG21	2	0.77
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG22	2	0.77
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG23	2	0.77
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG21	7	0.77
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG22	7	0.77
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG23	7	0.77
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG21	7	0.77
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG22	7	0.77
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG23	7	0.77
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG21	7	0.77
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG22	7	0.77
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG23	7	0.77
(2,2965)	1:111:A:PRO:HG2	1:112:A:ARG:HD3	11	0.77
(2,2566)	1:168:A:LEU:H	1:164:A:ILE:HG12	6	0.77
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD21	17	0.77
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD22	17	0.77
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD23	17	0.77
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB3	12	0.77
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB3	12	0.77
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB3	12	0.77
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB2	12	0.77
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB2	12	0.77
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB2	12	0.77
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB3	13	0.77
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB3	13	0.77
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB3	13	0.77
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB2	13	0.77
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB2	13	0.77
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB2	13	0.77
(2,2035)	1:40:A:SER:H	1:44:A:LEU:HD11	15	0.77
(2,2035)	1:40:A:SER:H	1:44:A:LEU:HD12	15	0.77
(2,2035)	1:40:A:SER:H	1:44:A:LEU:HD13	15	0.77
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG21	11	0.77
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG22	11	0.77
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG23	11	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1732)	1:131:A:LYS:H	1:131:A:LYS:HE2	8	0.77
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD11	11	0.77
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD12	11	0.77
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD13	11	0.77
(2,1661)	1:23:A:GLN:HE21	1:28:A:LYS:HE2	17	0.77
(2,1659)	1:34:A:HIS:HB2	1:38:A:LYS:HE3	17	0.77
(2,1624)	1:24:A:LYS:H	1:25:A:GLN:HG2	15	0.77
(2,1624)	1:24:A:LYS:H	1:25:A:GLN:HG2	17	0.77
(2,1540)	1:20:A:LYS:HG3	1:20:A:LYS:HE2	20	0.77
(2,1526)	1:33:A:VAL:HB	1:20:A:LYS:HG3	11	0.77
(2,1396)	1:133:A:LEU:HD11	1:139:A:PHE:HA	13	0.77
(2,1396)	1:133:A:LEU:HD12	1:139:A:PHE:HA	13	0.77
(2,1396)	1:133:A:LEU:HD13	1:139:A:PHE:HA	13	0.77
(2,1389)	1:16:A:GLU:HG3	1:8:A:PHE:HB2	20	0.77
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG11	2	0.77
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG12	2	0.77
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG13	2	0.77
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG11	2	0.77
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG12	2	0.77
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG13	2	0.77
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG11	2	0.77
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG12	2	0.77
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG13	2	0.77
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD21	3	0.77
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD22	3	0.77
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD23	3	0.77
(2,1119)	1:117:A:VAL:HG11	1:164:A:ILE:HA	8	0.77
(2,1119)	1:117:A:VAL:HG12	1:164:A:ILE:HA	8	0.77
(2,1119)	1:117:A:VAL:HG13	1:164:A:ILE:HA	8	0.77
(2,1119)	1:117:A:VAL:HG11	1:164:A:ILE:HA	9	0.77
(2,1119)	1:117:A:VAL:HG12	1:164:A:ILE:HA	9	0.77
(2,1119)	1:117:A:VAL:HG13	1:164:A:ILE:HA	9	0.77
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG11	6	0.77
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG12	6	0.77
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG13	6	0.77
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG11	6	0.77
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG12	6	0.77
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG13	6	0.77
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG11	6	0.77
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG12	6	0.77
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG13	6	0.77
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD21	16	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD22	16	0.77
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD23	16	0.77
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD21	16	0.77
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD22	16	0.77
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD23	16	0.77
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD21	16	0.77
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD22	16	0.77
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD23	16	0.77
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD11	15	0.77
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD12	15	0.77
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD13	15	0.77
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG11	8	0.77
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG12	8	0.77
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG13	8	0.77
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG11	9	0.77
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG12	9	0.77
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG13	9	0.77
(2,792)	1:17:A:ASN:HA	1:20:A:LYS:HD2	2	0.77
(2,746)	1:169:A:HIS:HB2	1:172:A:GLU:HG2	9	0.77
(2,746)	1:169:A:HIS:HB2	1:172:A:GLU:HG2	10	0.77
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG21	10	0.77
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG22	10	0.77
(2,544)	1:13:A:GLY:H	1:12:A:THR:HG23	10	0.77
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD21	5	0.77
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD22	5	0.77
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD23	5	0.77
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD21	3	0.77
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD22	3	0.77
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD23	3	0.77
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD11	4	0.77
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD12	4	0.77
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD13	4	0.77
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD11	4	0.77
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD12	4	0.77
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD13	4	0.77
(2,450)	1:25:A:GLN:HE21	1:161:A:VAL:HB	7	0.77
(2,437)	1:134:A:ALA:H	1:140:A:VAL:HB	5	0.77
(2,119)	1:120:A:TRP:H	1:160:A:TRP:HD1	1	0.77
(2,119)	1:120:A:TRP:H	1:160:A:TRP:HD1	11	0.77
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD22	7	0.76
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD21	7	0.76
(3,273)	1:144:A:ILE:HG12	1:149:A:GLN:HA	9	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD11	5	0.76
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD12	5	0.76
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD13	5	0.76
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD11	6	0.76
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD12	6	0.76
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD13	6	0.76
(3,75)	1:165:A:SER:H	1:26:A:LEU:HD11	5	0.76
(3,75)	1:165:A:SER:H	1:26:A:LEU:HD12	5	0.76
(3,75)	1:165:A:SER:H	1:26:A:LEU:HD13	5	0.76
(2,5300)	1:82:A:LEU:HD21	1:168:A:LEU:H	1	0.76
(2,5300)	1:82:A:LEU:HD22	1:168:A:LEU:H	1	0.76
(2,5300)	1:82:A:LEU:HD23	1:168:A:LEU:H	1	0.76
(2,5300)	1:82:A:LEU:HD21	1:168:A:LEU:H	9	0.76
(2,5300)	1:82:A:LEU:HD22	1:168:A:LEU:H	9	0.76
(2,5300)	1:82:A:LEU:HD23	1:168:A:LEU:H	9	0.76
(2,5201)	1:155:A:GLU:HB3	1:155:A:GLU:H	10	0.76
(2,5201)	1:155:A:GLU:HB3	1:155:A:GLU:H	12	0.76
(2,5201)	1:155:A:GLU:HB3	1:155:A:GLU:H	15	0.76
(2,5025)	1:137:A:ASP:HB3	1:123:A:ALA:H	6	0.76
(2,5025)	1:137:A:ASP:HB3	1:123:A:ALA:H	9	0.76
(2,4982)	1:112:A:ARG:HD2	1:113:A:GLY:H	2	0.76
(2,4951)	1:108:A:ILE:HG12	1:107:A:ASP:H	9	0.76
(2,4951)	1:108:A:ILE:HG12	1:107:A:ASP:H	18	0.76
(2,4734)	1:65:A:ASP:H	1:69:A:PHE:H	4	0.76
(2,4493)	1:26:A:LEU:HD11	1:26:A:LEU:H	6	0.76
(2,4493)	1:26:A:LEU:HD12	1:26:A:LEU:H	6	0.76
(2,4493)	1:26:A:LEU:HD13	1:26:A:LEU:H	6	0.76
(2,3967)	1:105:A:ILE:HG21	1:108:A:ILE:H	7	0.76
(2,3967)	1:105:A:ILE:HG22	1:108:A:ILE:H	7	0.76
(2,3967)	1:105:A:ILE:HG23	1:108:A:ILE:H	7	0.76
(2,3884)	1:26:A:LEU:HD11	1:26:A:LEU:H	6	0.76
(2,3884)	1:26:A:LEU:HD12	1:26:A:LEU:H	6	0.76
(2,3884)	1:26:A:LEU:HD13	1:26:A:LEU:H	6	0.76
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	3	0.76
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	3	0.76
(2,3823)	1:68:A:ASP:HB2	1:69:A:PHE:H	6	0.76
(2,3823)	1:68:A:ASP:HB2	1:69:A:PHE:H	16	0.76
(2,3513)	1:172:A:GLU:HG2	1:171:A:ASP:HB2	3	0.76
(2,3492)	1:172:A:GLU:HB2	1:169:A:HIS:HB2	7	0.76
(2,3491)	1:172:A:GLU:HG2	1:169:A:HIS:HB3	1	0.76
(2,3396)	1:162:A:LYS:HG2	1:158:A:GLU:HA	10	0.76
(2,3305)	1:152:A:LEU:HD21	1:151:A:GLU:HG3	7	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3305)	1:152:A:LEU:HD22	1:151:A:GLU:HG3	7	0.76
(2,3305)	1:152:A:LEU:HD23	1:151:A:GLU:HG3	7	0.76
(2,3305)	1:152:A:LEU:HD21	1:151:A:GLU:HG3	19	0.76
(2,3305)	1:152:A:LEU:HD22	1:151:A:GLU:HG3	19	0.76
(2,3305)	1:152:A:LEU:HD23	1:151:A:GLU:HG3	19	0.76
(2,3145)	1:158:A:GLU:HA	1:162:A:LYS:HG2	10	0.76
(2,3118)	1:92:A:GLU:HG2	1:148:A:ARG:HA	17	0.76
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB1	11	0.76
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB2	11	0.76
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB3	11	0.76
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB1	11	0.76
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB2	11	0.76
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB3	11	0.76
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB1	11	0.76
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB2	11	0.76
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB3	11	0.76
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB1	5	0.76
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB2	5	0.76
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB3	5	0.76
(2,2520)	1:79:A:ASN:HB2	1:113:A:GLY:HA2	1	0.76
(2,2520)	1:79:A:ASN:HB2	1:113:A:GLY:HA2	10	0.76
(2,2479)	1:30:A:VAL:HG11	1:173:A:ILE:HB	10	0.76
(2,2479)	1:30:A:VAL:HG12	1:173:A:ILE:HB	10	0.76
(2,2479)	1:30:A:VAL:HG13	1:173:A:ILE:HB	10	0.76
(2,2473)	1:168:A:LEU:HD21	1:165:A:SER:HA	15	0.76
(2,2473)	1:168:A:LEU:HD22	1:165:A:SER:HA	15	0.76
(2,2473)	1:168:A:LEU:HD23	1:165:A:SER:HA	15	0.76
(2,2458)	1:169:A:HIS:HB3	1:172:A:GLU:HG2	1	0.76
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD21	7	0.76
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD22	7	0.76
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD23	7	0.76
(2,2413)	1:173:A:ILE:H	1:170:A:LEU:HD21	2	0.76
(2,2413)	1:173:A:ILE:H	1:170:A:LEU:HD22	2	0.76
(2,2413)	1:173:A:ILE:H	1:170:A:LEU:HD23	2	0.76
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB3	11	0.76
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB3	11	0.76
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB3	11	0.76
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB2	11	0.76
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB2	11	0.76
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB2	11	0.76
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD21	19	0.76
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD22	19	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD23	19	0.76
(2,2184)	1:48:A:ASP:HA	1:81:A:LYS:HD2	10	0.76
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG21	19	0.76
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG22	19	0.76
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG23	19	0.76
(2,1945)	1:44:A:LEU:HD11	1:41:A:LYS:HA	7	0.76
(2,1945)	1:44:A:LEU:HD12	1:41:A:LYS:HA	7	0.76
(2,1945)	1:44:A:LEU:HD13	1:41:A:LYS:HA	7	0.76
(2,1945)	1:44:A:LEU:HD11	1:41:A:LYS:HA	15	0.76
(2,1945)	1:44:A:LEU:HD12	1:41:A:LYS:HA	15	0.76
(2,1945)	1:44:A:LEU:HD13	1:41:A:LYS:HA	15	0.76
(2,1906)	1:100:A:ASP:HB2	1:131:A:LYS:HD2	10	0.76
(2,1906)	1:100:A:ASP:HB2	1:131:A:LYS:HD2	14	0.76
(2,1895)	1:38:A:LYS:HG2	1:38:A:LYS:HA	2	0.76
(2,1545)	1:168:A:LEU:HD11	1:167:A:GLU:HA	4	0.76
(2,1545)	1:168:A:LEU:HD12	1:167:A:GLU:HA	4	0.76
(2,1545)	1:168:A:LEU:HD13	1:167:A:GLU:HA	4	0.76
(2,1545)	1:168:A:LEU:HD11	1:167:A:GLU:HA	7	0.76
(2,1545)	1:168:A:LEU:HD12	1:167:A:GLU:HA	7	0.76
(2,1545)	1:168:A:LEU:HD13	1:167:A:GLU:HA	7	0.76
(2,1532)	1:97:A:TYR:HE1	1:96:A:GLU:HB3	11	0.76
(2,1532)	1:97:A:TYR:HE2	1:96:A:GLU:HB3	11	0.76
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD11	8	0.76
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD12	8	0.76
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD13	8	0.76
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD11	9	0.76
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD12	9	0.76
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD13	9	0.76
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG11	18	0.76
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG12	18	0.76
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG13	18	0.76
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG11	18	0.76
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG12	18	0.76
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG13	18	0.76
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG11	18	0.76
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG12	18	0.76
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG13	18	0.76
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG11	10	0.76
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG12	10	0.76
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG13	10	0.76
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD11	12	0.76
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD12	12	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1282)	1:173:A:ILE:HG12	1:3:A:ILE:HD13	12	0.76
(2,1165)	1:24:A:LYS:HG2	1:21:A:MET:HA	16	0.76
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD21	10	0.76
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD22	10	0.76
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD23	10	0.76
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD21	10	0.76
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD22	10	0.76
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD23	10	0.76
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD21	10	0.76
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD22	10	0.76
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD23	10	0.76
(2,834)	1:38:A:LYS:HA	1:38:A:LYS:HG2	2	0.76
(2,746)	1:169:A:HIS:HB2	1:172:A:GLU:HG2	15	0.76
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD21	15	0.76
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD22	15	0.76
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD23	15	0.76
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD11	10	0.76
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD12	10	0.76
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD13	10	0.76
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD21	3	0.76
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD22	3	0.76
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD23	3	0.76
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD21	9	0.76
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD22	9	0.76
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD23	9	0.76
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD21	9	0.76
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD22	9	0.76
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD23	9	0.76
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD11	1	0.76
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD12	1	0.76
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD13	1	0.76
(2,450)	1:25:A:GLN:HE21	1:161:A:VAL:HB	17	0.76
(3,685)	1:20:A:LYS:HG2	1:23:A:GLN:HE21	4	0.75
(3,64)	1:157:A:VAL:HG11	1:21:A:MET:HA	16	0.75
(3,64)	1:157:A:VAL:HG12	1:21:A:MET:HA	16	0.75
(3,64)	1:157:A:VAL:HG13	1:21:A:MET:HA	16	0.75
(2,5328)	1:173:A:ILE:HG12	1:172:A:GLU:H	6	0.75
(2,5328)	1:173:A:ILE:HG12	1:172:A:GLU:H	7	0.75
(2,5300)	1:82:A:LEU:HD21	1:168:A:LEU:H	11	0.75
(2,5300)	1:82:A:LEU:HD22	1:168:A:LEU:H	11	0.75
(2,5300)	1:82:A:LEU:HD23	1:168:A:LEU:H	11	0.75
(2,5211)	1:152:A:LEU:HD21	1:156:A:ARG:H	19	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5211)	1:152:A:LEU:HD22	1:156:A:ARG:H	19	0.75
(2,5211)	1:152:A:LEU:HD23	1:156:A:ARG:H	19	0.75
(2,5197)	1:155:A:GLU:HG2	1:154:A:ALA:H	1	0.75
(2,5190)	1:156:A:ARG:HB3	1:153:A:THR:H	10	0.75
(2,5190)	1:156:A:ARG:HB2	1:153:A:THR:H	10	0.75
(2,5124)	1:102:A:LEU:HD11	1:142:A:LEU:H	17	0.75
(2,5124)	1:102:A:LEU:HD12	1:142:A:LEU:H	17	0.75
(2,5124)	1:102:A:LEU:HD13	1:142:A:LEU:H	17	0.75
(2,5100)	1:133:A:LEU:HB2	1:138:A:HIS:H	10	0.75
(2,5078)	1:140:A:VAL:HB	1:134:A:ALA:H	3	0.75
(2,5078)	1:140:A:VAL:HB	1:134:A:ALA:H	14	0.75
(2,5078)	1:140:A:VAL:HB	1:134:A:ALA:H	20	0.75
(2,5075)	1:140:A:VAL:HB	1:134:A:ALA:H	3	0.75
(2,5075)	1:140:A:VAL:HB	1:134:A:ALA:H	14	0.75
(2,5075)	1:140:A:VAL:HB	1:134:A:ALA:H	20	0.75
(2,5025)	1:137:A:ASP:HB3	1:123:A:ALA:H	1	0.75
(2,5025)	1:137:A:ASP:HB3	1:123:A:ALA:H	13	0.75
(2,4880)	1:96:A:GLU:HG2	1:95:A:ALA:H	12	0.75
(2,4768)	1:76:A:ILE:HG12	1:75:A:GLU:H	6	0.75
(2,4768)	1:76:A:ILE:HG12	1:75:A:GLU:H	13	0.75
(2,4692)	1:61:A:GLU:HG3	1:59:A:TYR:H	5	0.75
(2,4692)	1:61:A:GLU:HG3	1:59:A:TYR:H	18	0.75
(2,4537)	1:38:A:LYS:HD2	1:35:A:ASP:H	17	0.75
(2,4491)	1:161:A:VAL:HG21	1:26:A:LEU:H	8	0.75
(2,4491)	1:161:A:VAL:HG22	1:26:A:LEU:H	8	0.75
(2,4491)	1:161:A:VAL:HG23	1:26:A:LEU:H	8	0.75
(2,4480)	1:26:A:LEU:HD11	1:25:A:GLN:H	9	0.75
(2,4480)	1:26:A:LEU:HD12	1:25:A:GLN:H	9	0.75
(2,4480)	1:26:A:LEU:HD13	1:25:A:GLN:H	9	0.75
(2,4087)	1:171:A:ASP:HB2	1:175:A:ASN:HD21	14	0.75
(2,3934)	1:91:A:GLN:HG2	1:92:A:GLU:H	1	0.75
(2,3823)	1:68:A:ASP:HB2	1:69:A:PHE:H	3	0.75
(2,3823)	1:68:A:ASP:HB2	1:69:A:PHE:H	7	0.75
(2,3750)	1:82:A:LEU:HD21	1:83:A:VAL:H	16	0.75
(2,3750)	1:82:A:LEU:HD22	1:83:A:VAL:H	16	0.75
(2,3750)	1:82:A:LEU:HD23	1:83:A:VAL:H	16	0.75
(2,3661)	1:91:A:GLN:HG3	1:91:A:GLN:H	11	0.75
(2,3513)	1:172:A:GLU:HG2	1:171:A:ASP:HB2	9	0.75
(2,3513)	1:172:A:GLU:HG2	1:171:A:ASP:HB2	10	0.75
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD11	20	0.75
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD12	20	0.75
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD13	20	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3463)	1:170:A:LEU:HD11	1:165:A:SER:HB2	12	0.75
(2,3463)	1:170:A:LEU:HD12	1:165:A:SER:HB2	12	0.75
(2,3463)	1:170:A:LEU:HD13	1:165:A:SER:HB2	12	0.75
(2,3396)	1:162:A:LYS:HG2	1:158:A:GLU:HA	2	0.75
(2,3391)	1:159:A:LYS:HE2	1:158:A:GLU:HB2	5	0.75
(2,3354)	1:162:A:LYS:H	1:163:A:GLN:HB3	17	0.75
(2,3354)	1:162:A:LYS:H	1:163:A:GLN:HB3	19	0.75
(2,3299)	1:88:A:CYS:HB2	1:18:A:ILE:HG12	11	0.75
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD11	18	0.75
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD12	18	0.75
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD13	18	0.75
(2,3182)	1:138:A:HIS:HB3	1:134:A:ALA:HB1	1	0.75
(2,3182)	1:138:A:HIS:HB3	1:134:A:ALA:HB2	1	0.75
(2,3182)	1:138:A:HIS:HB3	1:134:A:ALA:HB3	1	0.75
(2,3176)	1:140:A:VAL:HG11	1:134:A:ALA:HA	8	0.75
(2,3176)	1:140:A:VAL:HG12	1:134:A:ALA:HA	8	0.75
(2,3176)	1:140:A:VAL:HG13	1:134:A:ALA:HA	8	0.75
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD11	20	0.75
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD12	20	0.75
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD13	20	0.75
(2,3145)	1:158:A:GLU:HA	1:162:A:LYS:HG2	2	0.75
(2,3119)	1:149:A:GLN:HG3	1:148:A:ARG:HA	16	0.75
(2,3070)	1:130:A:SER:HB2	1:122:A:THR:HG21	3	0.75
(2,3070)	1:130:A:SER:HB2	1:122:A:THR:HG22	3	0.75
(2,3070)	1:130:A:SER:HB2	1:122:A:THR:HG23	3	0.75
(2,3058)	1:160:A:TRP:HD1	1:121:A:PRO:HD3	2	0.75
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG21	9	0.75
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG22	9	0.75
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG23	9	0.75
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG21	9	0.75
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG22	9	0.75
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG23	9	0.75
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG21	9	0.75
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG22	9	0.75
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG23	9	0.75
(2,2983)	1:116:A:ILE:HD11	1:115:A:THR:HA	8	0.75
(2,2983)	1:116:A:ILE:HD12	1:115:A:THR:HA	8	0.75
(2,2983)	1:116:A:ILE:HD13	1:115:A:THR:HA	8	0.75
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD11	11	0.75
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD12	11	0.75
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD13	11	0.75
(2,2845)	1:175:A:ASN:HD21	1:171:A:ASP:HB2	14	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2708)	1:128:A:GLU:HB2	1:96:A:GLU:HG3	20	0.75
(2,2708)	1:128:A:GLU:HB2	1:96:A:GLU:HG2	20	0.75
(2,2479)	1:30:A:VAL:HG11	1:173:A:ILE:HB	1	0.75
(2,2479)	1:30:A:VAL:HG12	1:173:A:ILE:HB	1	0.75
(2,2479)	1:30:A:VAL:HG13	1:173:A:ILE:HB	1	0.75
(2,2473)	1:168:A:LEU:HD21	1:165:A:SER:HA	1	0.75
(2,2473)	1:168:A:LEU:HD22	1:165:A:SER:HA	1	0.75
(2,2473)	1:168:A:LEU:HD23	1:165:A:SER:HA	1	0.75
(2,2451)	1:108:A:ILE:HD11	1:74:A:GLU:HG3	11	0.75
(2,2451)	1:108:A:ILE:HD12	1:74:A:GLU:HG3	11	0.75
(2,2451)	1:108:A:ILE:HD13	1:74:A:GLU:HG3	11	0.75
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD11	17	0.75
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD12	17	0.75
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD13	17	0.75
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD11	17	0.75
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD12	17	0.75
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD13	17	0.75
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD11	7	0.75
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD12	7	0.75
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD13	7	0.75
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD11	7	0.75
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD12	7	0.75
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD13	7	0.75
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG21	15	0.75
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG22	15	0.75
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG23	15	0.75
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB1	7	0.75
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB2	7	0.75
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB3	7	0.75
(2,1895)	1:38:A:LYS:HG2	1:38:A:LYS:HA	1	0.75
(2,1826)	1:162:A:LYS:H	1:163:A:GLN:HG2	19	0.75
(2,1717)	1:158:A:GLU:HG2	1:155:A:GLU:HA	4	0.75
(2,1661)	1:23:A:GLN:HE21	1:28:A:LYS:HE2	8	0.75
(2,1624)	1:24:A:LYS:H	1:25:A:GLN:HG2	14	0.75
(2,1532)	1:97:A:TYR:HE1	1:96:A:GLU:HB3	1	0.75
(2,1532)	1:97:A:TYR:HE2	1:96:A:GLU:HB3	1	0.75
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG11	1	0.75
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG12	1	0.75
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG13	1	0.75
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD11	4	0.75
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD12	4	0.75
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD13	4	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD11	16	0.75
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD12	16	0.75
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD13	16	0.75
(2,1232)	1:158:A:GLU:HA	1:162:A:LYS:HE2	4	0.75
(2,1191)	1:133:A:LEU:HD21	1:136:A:ASP:HA	2	0.75
(2,1191)	1:133:A:LEU:HD22	1:136:A:ASP:HA	2	0.75
(2,1191)	1:133:A:LEU:HD23	1:136:A:ASP:HA	2	0.75
(2,1119)	1:117:A:VAL:HG11	1:164:A:ILE:HA	20	0.75
(2,1119)	1:117:A:VAL:HG12	1:164:A:ILE:HA	20	0.75
(2,1119)	1:117:A:VAL:HG13	1:164:A:ILE:HA	20	0.75
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG21	1	0.75
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG22	1	0.75
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG23	1	0.75
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD11	3	0.75
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD12	3	0.75
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD13	3	0.75
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG21	2	0.75
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG22	2	0.75
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG23	2	0.75
(2,963)	1:157:A:VAL:HG21	1:142:A:LEU:HG	1	0.75
(2,963)	1:157:A:VAL:HG22	1:142:A:LEU:HG	1	0.75
(2,963)	1:157:A:VAL:HG23	1:142:A:LEU:HG	1	0.75
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG11	20	0.75
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG12	20	0.75
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG13	20	0.75
(2,834)	1:38:A:LYS:HA	1:38:A:LYS:HG2	1	0.75
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD21	1	0.75
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD22	1	0.75
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD23	1	0.75
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD21	17	0.75
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD22	17	0.75
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD23	17	0.75
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD11	13	0.75
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD12	13	0.75
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD13	13	0.75
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD11	13	0.75
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD12	13	0.75
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD13	13	0.75
(2,450)	1:25:A:GLN:HE21	1:161:A:VAL:HB	18	0.75
(2,437)	1:134:A:ALA:H	1:140:A:VAL:HB	3	0.75
(2,437)	1:134:A:ALA:H	1:140:A:VAL:HB	14	0.75
(2,437)	1:134:A:ALA:H	1:140:A:VAL:HB	20	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,135)	1:142:A:LEU:HD11	1:120:A:TRP:HD1	10	0.75
(2,135)	1:142:A:LEU:HD12	1:120:A:TRP:HD1	10	0.75
(2,135)	1:142:A:LEU:HD13	1:120:A:TRP:HD1	10	0.75
(3,648)	1:120:A:TRP:HH2	1:163:A:GLN:H	1	0.74
(3,288)	1:25:A:GLN:HG2	1:161:A:VAL:HA	15	0.74
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD11	7	0.74
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD12	7	0.74
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD13	7	0.74
(3,19)	1:63:A:GLN:HA	1:57:A:TRP:HZ2	5	0.74
(2,5385)	1:170:A:LEU:HD11	1:173:A:ILE:H	9	0.74
(2,5385)	1:170:A:LEU:HD12	1:173:A:ILE:H	9	0.74
(2,5385)	1:170:A:LEU:HD13	1:173:A:ILE:H	9	0.74
(2,5242)	1:159:A:LYS:HG3	1:160:A:TRP:H	18	0.74
(2,4768)	1:76:A:ILE:HG12	1:75:A:GLU:H	3	0.74
(2,4768)	1:76:A:ILE:HG12	1:75:A:GLU:H	4	0.74
(2,4708)	1:61:A:GLU:HB2	1:63:A:GLN:H	9	0.74
(2,4596)	1:170:A:LEU:HD11	1:173:A:ILE:H	9	0.74
(2,4596)	1:170:A:LEU:HD12	1:173:A:ILE:H	9	0.74
(2,4596)	1:170:A:LEU:HD13	1:173:A:ILE:H	9	0.74
(2,4537)	1:38:A:LYS:HD2	1:35:A:ASP:H	2	0.74
(2,4442)	1:18:A:ILE:HB	1:20:A:LYS:H	14	0.74
(2,4148)	1:15:A:THR:HG21	1:53:A:GLY:H	1	0.74
(2,4148)	1:15:A:THR:HG22	1:53:A:GLY:H	1	0.74
(2,4148)	1:15:A:THR:HG23	1:53:A:GLY:H	1	0.74
(2,4098)	1:45:A:GLU:HG2	1:45:A:GLU:H	9	0.74
(2,4000)	1:75:A:GLU:HG2	1:75:A:GLU:H	20	0.74
(2,3997)	1:30:A:VAL:HG11	1:3:A:ILE:H	9	0.74
(2,3997)	1:30:A:VAL:HG12	1:3:A:ILE:H	9	0.74
(2,3997)	1:30:A:VAL:HG13	1:3:A:ILE:H	9	0.74
(2,3967)	1:105:A:ILE:HG21	1:108:A:ILE:H	10	0.74
(2,3967)	1:105:A:ILE:HG22	1:108:A:ILE:H	10	0.74
(2,3967)	1:105:A:ILE:HG23	1:108:A:ILE:H	10	0.74
(2,3806)	1:67:A:ASP:HB2	1:63:A:GLN:H	6	0.74
(2,3738)	1:6:A:ILE:HD11	1:22:A:ILE:H	3	0.74
(2,3738)	1:6:A:ILE:HD12	1:22:A:ILE:H	3	0.74
(2,3738)	1:6:A:ILE:HD13	1:22:A:ILE:H	3	0.74
(2,3551)	1:59:A:TYR:HE1	1:58:A:TYR:HB2	9	0.74
(2,3551)	1:59:A:TYR:HE2	1:58:A:TYR:HB2	9	0.74
(2,3513)	1:172:A:GLU:HG2	1:171:A:ASP:HB2	4	0.74
(2,3513)	1:172:A:GLU:HG2	1:171:A:ASP:HB2	5	0.74
(2,3513)	1:172:A:GLU:HG2	1:171:A:ASP:HB2	14	0.74
(2,3513)	1:172:A:GLU:HG2	1:171:A:ASP:HB2	17	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD11	10	0.74
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD12	10	0.74
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD13	10	0.74
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD11	9	0.74
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD12	9	0.74
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD13	9	0.74
(2,3354)	1:162:A:LYS:H	1:163:A:GLN:HB3	1	0.74
(2,3354)	1:162:A:LYS:H	1:163:A:GLN:HB3	2	0.74
(2,3257)	1:115:A:THR:HA	1:110:A:GLU:HG3	11	0.74
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG21	12	0.74
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG22	12	0.74
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG23	12	0.74
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG21	12	0.74
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG22	12	0.74
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG23	12	0.74
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG21	12	0.74
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG22	12	0.74
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG23	12	0.74
(2,2983)	1:116:A:ILE:HD11	1:115:A:THR:HA	3	0.74
(2,2983)	1:116:A:ILE:HD12	1:115:A:THR:HA	3	0.74
(2,2983)	1:116:A:ILE:HD13	1:115:A:THR:HA	3	0.74
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD21	2	0.74
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD22	2	0.74
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD23	2	0.74
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD11	19	0.74
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD12	19	0.74
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD13	19	0.74
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD21	9	0.74
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD22	9	0.74
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD23	9	0.74
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD21	13	0.74
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD22	13	0.74
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD23	13	0.74
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG21	16	0.74
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG22	16	0.74
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG23	16	0.74
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG21	16	0.74
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG22	16	0.74
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG23	16	0.74
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG21	16	0.74
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG22	16	0.74
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG23	16	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD11	16	0.74
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD12	16	0.74
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD13	16	0.74
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD11	16	0.74
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD12	16	0.74
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD13	16	0.74
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB3	1	0.74
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB3	1	0.74
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB3	1	0.74
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB2	1	0.74
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB2	1	0.74
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB2	1	0.74
(2,2023)	1:50:A:LEU:HD21	1:44:A:LEU:HD11	2	0.74
(2,2023)	1:50:A:LEU:HD21	1:44:A:LEU:HD12	2	0.74
(2,2023)	1:50:A:LEU:HD21	1:44:A:LEU:HD13	2	0.74
(2,2023)	1:50:A:LEU:HD22	1:44:A:LEU:HD11	2	0.74
(2,2023)	1:50:A:LEU:HD22	1:44:A:LEU:HD12	2	0.74
(2,2023)	1:50:A:LEU:HD22	1:44:A:LEU:HD13	2	0.74
(2,2023)	1:50:A:LEU:HD23	1:44:A:LEU:HD11	2	0.74
(2,2023)	1:50:A:LEU:HD23	1:44:A:LEU:HD12	2	0.74
(2,2023)	1:50:A:LEU:HD23	1:44:A:LEU:HD13	2	0.74
(2,1906)	1:100:A:ASP:HB2	1:131:A:LYS:HD2	3	0.74
(2,1545)	1:168:A:LEU:HD11	1:167:A:GLU:HA	8	0.74
(2,1545)	1:168:A:LEU:HD12	1:167:A:GLU:HA	8	0.74
(2,1545)	1:168:A:LEU:HD13	1:167:A:GLU:HA	8	0.74
(2,1441)	1:8:A:PHE:HB2	1:15:A:THR:HG21	19	0.74
(2,1441)	1:8:A:PHE:HB2	1:15:A:THR:HG22	19	0.74
(2,1441)	1:8:A:PHE:HB2	1:15:A:THR:HG23	19	0.74
(2,1396)	1:133:A:LEU:HD11	1:139:A:PHE:HA	3	0.74
(2,1396)	1:133:A:LEU:HD12	1:139:A:PHE:HA	3	0.74
(2,1396)	1:133:A:LEU:HD13	1:139:A:PHE:HA	3	0.74
(2,1389)	1:16:A:GLU:HG3	1:8:A:PHE:HB2	17	0.74
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD11	12	0.74
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD12	12	0.74
(2,1363)	1:23:A:GLN:HB3	1:6:A:ILE:HD13	12	0.74
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG11	20	0.74
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG12	20	0.74
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG13	20	0.74
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG11	20	0.74
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG12	20	0.74
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG13	20	0.74
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG11	20	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG12	20	0.74
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG13	20	0.74
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD21	7	0.74
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD22	7	0.74
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD23	7	0.74
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD11	6	0.74
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD12	6	0.74
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD13	6	0.74
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD11	6	0.74
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD12	6	0.74
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD13	6	0.74
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD11	6	0.74
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD12	6	0.74
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD13	6	0.74
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD11	6	0.74
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD12	6	0.74
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD13	6	0.74
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD11	6	0.74
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD12	6	0.74
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD13	6	0.74
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD11	6	0.74
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD12	6	0.74
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD13	6	0.74
(2,1222)	1:30:A:VAL:HG11	1:31:A:ALA:HA	9	0.74
(2,1222)	1:30:A:VAL:HG12	1:31:A:ALA:HA	9	0.74
(2,1222)	1:30:A:VAL:HG13	1:31:A:ALA:HA	9	0.74
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG21	8	0.74
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG22	8	0.74
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG23	8	0.74
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG21	13	0.74
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG22	13	0.74
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG23	13	0.74
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD11	19	0.74
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD12	19	0.74
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD13	19	0.74
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD11	19	0.74
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD12	19	0.74
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD13	19	0.74
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD11	19	0.74
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD12	19	0.74
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD13	19	0.74
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD11	5	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD12	5	0.74
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD13	5	0.74
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD11	5	0.74
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD12	5	0.74
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD13	5	0.74
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD1	1	0.74
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD2	1	0.74
(3,667)	1:172:A:GLU:HG2	1:169:A:HIS:H	6	0.73
(3,310)	1:18:A:ILE:HG12	1:55:A:PRO:HD3	8	0.73
(3,288)	1:25:A:GLN:HG2	1:161:A:VAL:HA	20	0.73
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD11	7	0.73
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD12	7	0.73
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD13	7	0.73
(3,35)	1:158:A:GLU:H	1:120:A:TRP:HZ2	1	0.73
(2,5385)	1:170:A:LEU:HD11	1:173:A:ILE:H	6	0.73
(2,5385)	1:170:A:LEU:HD12	1:173:A:ILE:H	6	0.73
(2,5385)	1:170:A:LEU:HD13	1:173:A:ILE:H	6	0.73
(2,5367)	1:87:A:GLY:HA2	1:14:A:ASN:HD22	13	0.73
(2,5300)	1:82:A:LEU:HD21	1:168:A:LEU:H	4	0.73
(2,5300)	1:82:A:LEU:HD22	1:168:A:LEU:H	4	0.73
(2,5300)	1:82:A:LEU:HD23	1:168:A:LEU:H	4	0.73
(2,5211)	1:152:A:LEU:HD21	1:156:A:ARG:H	7	0.73
(2,5211)	1:152:A:LEU:HD22	1:156:A:ARG:H	7	0.73
(2,5211)	1:152:A:LEU:HD23	1:156:A:ARG:H	7	0.73
(2,5201)	1:155:A:GLU:HB3	1:155:A:GLU:H	11	0.73
(2,5149)	1:144:A:ILE:HG12	1:145:A:ASP:H	2	0.73
(2,4880)	1:96:A:GLU:HG2	1:95:A:ALA:H	5	0.73
(2,4880)	1:96:A:GLU:HG2	1:95:A:ALA:H	13	0.73
(2,4842)	1:113:A:GLY:HA3	1:79:A:ASN:HD22	2	0.73
(2,4842)	1:113:A:GLY:HA2	1:79:A:ASN:HD22	2	0.73
(2,4789)	1:113:A:GLY:HA2	1:79:A:ASN:H	7	0.73
(2,4768)	1:76:A:ILE:HG12	1:75:A:GLU:H	17	0.73
(2,4708)	1:61:A:GLU:HB2	1:63:A:GLN:H	11	0.73
(2,4596)	1:170:A:LEU:HD11	1:173:A:ILE:H	6	0.73
(2,4596)	1:170:A:LEU:HD12	1:173:A:ILE:H	6	0.73
(2,4596)	1:170:A:LEU:HD13	1:173:A:ILE:H	6	0.73
(2,3997)	1:30:A:VAL:HG11	1:3:A:ILE:H	8	0.73
(2,3997)	1:30:A:VAL:HG12	1:3:A:ILE:H	8	0.73
(2,3997)	1:30:A:VAL:HG13	1:3:A:ILE:H	8	0.73
(2,3997)	1:30:A:VAL:HG11	1:3:A:ILE:H	20	0.73
(2,3997)	1:30:A:VAL:HG12	1:3:A:ILE:H	20	0.73
(2,3997)	1:30:A:VAL:HG13	1:3:A:ILE:H	20	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3967)	1:105:A:ILE:HG21	1:108:A:ILE:H	11	0.73
(2,3967)	1:105:A:ILE:HG22	1:108:A:ILE:H	11	0.73
(2,3967)	1:105:A:ILE:HG23	1:108:A:ILE:H	11	0.73
(2,3965)	1:111:A:PRO:HD2	1:108:A:ILE:H	8	0.73
(2,3823)	1:68:A:ASP:HB2	1:69:A:PHE:H	10	0.73
(2,3823)	1:68:A:ASP:HB2	1:69:A:PHE:H	19	0.73
(2,3750)	1:82:A:LEU:HD21	1:83:A:VAL:H	15	0.73
(2,3750)	1:82:A:LEU:HD22	1:83:A:VAL:H	15	0.73
(2,3750)	1:82:A:LEU:HD23	1:83:A:VAL:H	15	0.73
(2,3738)	1:6:A:ILE:HD11	1:22:A:ILE:H	7	0.73
(2,3738)	1:6:A:ILE:HD12	1:22:A:ILE:H	7	0.73
(2,3738)	1:6:A:ILE:HD13	1:22:A:ILE:H	7	0.73
(2,3738)	1:6:A:ILE:HD11	1:22:A:ILE:H	8	0.73
(2,3738)	1:6:A:ILE:HD12	1:22:A:ILE:H	8	0.73
(2,3738)	1:6:A:ILE:HD13	1:22:A:ILE:H	8	0.73
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD11	6	0.73
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD12	6	0.73
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD13	6	0.73
(2,3512)	1:166:A:GLU:HB3	1:171:A:ASP:HB2	20	0.73
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD11	15	0.73
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD12	15	0.73
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD13	15	0.73
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD11	6	0.73
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD12	6	0.73
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD13	6	0.73
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG21	14	0.73
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG22	14	0.73
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG23	14	0.73
(2,3354)	1:162:A:LYS:H	1:163:A:GLN:HB3	16	0.73
(2,3294)	1:151:A:GLU:HG3	1:150:A:PRO:HA	10	0.73
(2,3294)	1:151:A:GLU:HG3	1:150:A:PRO:HA	18	0.73
(2,3259)	1:41:A:LYS:HG3	1:42:A:GLU:HG3	5	0.73
(2,3259)	1:41:A:LYS:HG3	1:42:A:GLU:HG3	18	0.73
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD11	13	0.73
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD12	13	0.73
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD13	13	0.73
(2,3176)	1:140:A:VAL:HG11	1:134:A:ALA:HA	20	0.73
(2,3176)	1:140:A:VAL:HG12	1:134:A:ALA:HA	20	0.73
(2,3176)	1:140:A:VAL:HG13	1:134:A:ALA:HA	20	0.73
(2,2871)	1:74:A:GLU:HB2	1:108:A:ILE:HD11	15	0.73
(2,2871)	1:74:A:GLU:HB2	1:108:A:ILE:HD12	15	0.73
(2,2871)	1:74:A:GLU:HB2	1:108:A:ILE:HD13	15	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2708)	1:128:A:GLU:HB2	1:96:A:GLU:HG3	10	0.73
(2,2708)	1:128:A:GLU:HB2	1:96:A:GLU:HG2	10	0.73
(2,2356)	1:80:A:GLY:H	1:81:A:LYS:HE3	15	0.73
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB3	5	0.73
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB3	5	0.73
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB3	5	0.73
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB2	5	0.73
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB2	5	0.73
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB2	5	0.73
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB3	6	0.73
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB3	6	0.73
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB3	6	0.73
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB2	6	0.73
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB2	6	0.73
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB2	6	0.73
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB3	14	0.73
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB3	14	0.73
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB3	14	0.73
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB2	14	0.73
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB2	14	0.73
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB2	14	0.73
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG21	9	0.73
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG22	9	0.73
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG23	9	0.73
(2,2009)	1:39:A:SER:HB3	1:43:A:ASP:HB2	20	0.73
(2,2005)	1:44:A:LEU:HD11	1:43:A:ASP:HA	12	0.73
(2,2005)	1:44:A:LEU:HD12	1:43:A:ASP:HA	12	0.73
(2,2005)	1:44:A:LEU:HD13	1:43:A:ASP:HA	12	0.73
(2,1895)	1:38:A:LYS:HG2	1:38:A:LYS:HA	11	0.73
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB3	15	0.73
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB2	15	0.73
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG11	18	0.73
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG12	18	0.73
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG13	18	0.73
(2,1545)	1:168:A:LEU:HD11	1:167:A:GLU:HA	16	0.73
(2,1545)	1:168:A:LEU:HD12	1:167:A:GLU:HA	16	0.73
(2,1545)	1:168:A:LEU:HD13	1:167:A:GLU:HA	16	0.73
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG21	5	0.73
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG22	5	0.73
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG23	5	0.73
(2,1389)	1:16:A:GLU:HG3	1:8:A:PHE:HB2	9	0.73
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD21	6	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD22	6	0.73
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD23	6	0.73
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD21	6	0.73
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD22	6	0.73
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD23	6	0.73
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD21	6	0.73
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD22	6	0.73
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD23	6	0.73
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD21	17	0.73
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD22	17	0.73
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD23	17	0.73
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD21	17	0.73
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD22	17	0.73
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD23	17	0.73
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD21	17	0.73
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD22	17	0.73
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD23	17	0.73
(2,1232)	1:158:A:GLU:HA	1:162:A:LYS:HE2	3	0.73
(2,1180)	1:68:A:ASP:HB2	1:65:A:ASP:HA	9	0.73
(2,1165)	1:24:A:LYS:HG2	1:21:A:MET:HA	18	0.73
(2,1119)	1:117:A:VAL:HG11	1:164:A:ILE:HA	18	0.73
(2,1119)	1:117:A:VAL:HG12	1:164:A:ILE:HA	18	0.73
(2,1119)	1:117:A:VAL:HG13	1:164:A:ILE:HA	18	0.73
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG21	5	0.73
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG22	5	0.73
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG23	5	0.73
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD11	11	0.73
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD12	11	0.73
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD13	11	0.73
(2,982)	1:157:A:VAL:HG11	1:142:A:LEU:HG	7	0.73
(2,982)	1:157:A:VAL:HG12	1:142:A:LEU:HG	7	0.73
(2,982)	1:157:A:VAL:HG13	1:142:A:LEU:HG	7	0.73
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG11	18	0.73
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG12	18	0.73
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG13	18	0.73
(2,834)	1:38:A:LYS:HA	1:38:A:LYS:HG2	11	0.73
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD21	4	0.73
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD22	4	0.73
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD23	4	0.73
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD21	16	0.73
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD22	16	0.73
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD23	16	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD21	11	0.73
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD22	11	0.73
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD23	11	0.73
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD21	18	0.73
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD22	18	0.73
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD23	18	0.73
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD21	18	0.73
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD22	18	0.73
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD23	18	0.73
(2,262)	1:80:A:GLY:H	1:79:A:ASN:HA	18	0.73
(2,155)	1:12:A:THR:HB	1:57:A:TRP:HZ2	8	0.73
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD1	8	0.73
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD2	8	0.73
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD1	8	0.73
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD2	8	0.73
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE1	16	0.73
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE2	16	0.73
(3,611)	1:148:A:ARG:HB2	1:146:A:GLU:H	15	0.72
(3,533)	1:103:A:GLY:HA3	1:106:A:ARG:HE	2	0.72
(3,394)	1:44:A:LEU:HD11	1:42:A:GLU:H	15	0.72
(3,394)	1:44:A:LEU:HD12	1:42:A:GLU:H	15	0.72
(3,394)	1:44:A:LEU:HD13	1:42:A:GLU:H	15	0.72
(3,276)	1:157:A:VAL:H	1:152:A:LEU:HB2	15	0.72
(2,5367)	1:87:A:GLY:HA2	1:14:A:ASN:HD22	2	0.72
(2,5328)	1:173:A:ILE:HG12	1:172:A:GLU:H	13	0.72
(2,5229)	1:145:A:ASP:H	1:156:A:ARG:HE	13	0.72
(2,5167)	1:92:A:GLU:HB2	1:148:A:ARG:H	15	0.72
(2,5025)	1:137:A:ASP:HB3	1:123:A:ALA:H	14	0.72
(2,4965)	1:73:A:LEU:HD11	1:109:A:ILE:H	14	0.72
(2,4965)	1:73:A:LEU:HD12	1:109:A:ILE:H	14	0.72
(2,4965)	1:73:A:LEU:HD13	1:109:A:ILE:H	14	0.72
(2,4951)	1:108:A:ILE:HG12	1:107:A:ASP:H	13	0.72
(2,4951)	1:108:A:ILE:HG12	1:107:A:ASP:H	20	0.72
(2,4789)	1:113:A:GLY:HA2	1:79:A:ASN:H	17	0.72
(2,4768)	1:76:A:ILE:HG12	1:75:A:GLU:H	7	0.72
(2,4768)	1:76:A:ILE:HG12	1:75:A:GLU:H	19	0.72
(2,4734)	1:65:A:ASP:H	1:69:A:PHE:H	13	0.72
(2,4537)	1:38:A:LYS:HD2	1:35:A:ASP:H	18	0.72
(2,4491)	1:161:A:VAL:HG21	1:26:A:LEU:H	12	0.72
(2,4491)	1:161:A:VAL:HG22	1:26:A:LEU:H	12	0.72
(2,4491)	1:161:A:VAL:HG23	1:26:A:LEU:H	12	0.72
(2,4442)	1:18:A:ILE:HB	1:20:A:LYS:H	8	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3967)	1:105:A:ILE:HG21	1:108:A:ILE:H	2	0.72
(2,3967)	1:105:A:ILE:HG22	1:108:A:ILE:H	2	0.72
(2,3967)	1:105:A:ILE:HG23	1:108:A:ILE:H	2	0.72
(2,3934)	1:91:A:GLN:HG2	1:92:A:GLU:H	9	0.72
(2,3823)	1:68:A:ASP:HB2	1:69:A:PHE:H	1	0.72
(2,3823)	1:68:A:ASP:HB2	1:69:A:PHE:H	15	0.72
(2,3823)	1:68:A:ASP:HB2	1:69:A:PHE:H	18	0.72
(2,3738)	1:6:A:ILE:HD11	1:22:A:ILE:H	1	0.72
(2,3738)	1:6:A:ILE:HD12	1:22:A:ILE:H	1	0.72
(2,3738)	1:6:A:ILE:HD13	1:22:A:ILE:H	1	0.72
(2,3513)	1:172:A:GLU:HG2	1:171:A:ASP:HB2	1	0.72
(2,3513)	1:172:A:GLU:HG2	1:171:A:ASP:HB2	19	0.72
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD11	8	0.72
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD12	8	0.72
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD13	8	0.72
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD11	9	0.72
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD12	9	0.72
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD13	9	0.72
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG21	7	0.72
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG22	7	0.72
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG23	7	0.72
(2,3354)	1:162:A:LYS:H	1:163:A:GLN:HB3	14	0.72
(2,3305)	1:152:A:LEU:HD21	1:151:A:GLU:HG3	11	0.72
(2,3305)	1:152:A:LEU:HD22	1:151:A:GLU:HG3	11	0.72
(2,3305)	1:152:A:LEU:HD23	1:151:A:GLU:HG3	11	0.72
(2,3259)	1:41:A:LYS:HG3	1:42:A:GLU:HG3	4	0.72
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD11	18	0.72
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD12	18	0.72
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD13	18	0.72
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG21	8	0.72
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG22	8	0.72
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG23	8	0.72
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG21	8	0.72
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG22	8	0.72
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG23	8	0.72
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG21	8	0.72
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG22	8	0.72
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG23	8	0.72
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG21	3	0.72
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG22	3	0.72
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG23	3	0.72
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG21	1	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG22	1	0.72
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG23	1	0.72
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB1	16	0.72
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB2	16	0.72
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB3	16	0.72
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB1	16	0.72
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB2	16	0.72
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB3	16	0.72
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB1	16	0.72
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB2	16	0.72
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB3	16	0.72
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD11	19	0.72
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD12	19	0.72
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD13	19	0.72
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD11	14	0.72
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD12	14	0.72
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD13	14	0.72
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB3	20	0.72
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB3	20	0.72
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB3	20	0.72
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB2	20	0.72
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB2	20	0.72
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB2	20	0.72
(2,1665)	1:173:A:ILE:HG12	1:170:A:LEU:HA	3	0.72
(2,1665)	1:173:A:ILE:HG12	1:170:A:LEU:HA	3	0.72
(2,1660)	1:25:A:GLN:HE22	1:162:A:LYS:HE2	9	0.72
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG11	9	0.72
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG12	9	0.72
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG13	9	0.72
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD11	17	0.72
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD12	17	0.72
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD13	17	0.72
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD11	17	0.72
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD12	17	0.72
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD13	17	0.72
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD11	17	0.72
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD12	17	0.72
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD13	17	0.72
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD11	17	0.72
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD12	17	0.72
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD13	17	0.72
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD11	17	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD12	17	0.72
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD13	17	0.72
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD11	17	0.72
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD12	17	0.72
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD13	17	0.72
(2,1191)	1:133:A:LEU:HD21	1:136:A:ASP:HA	16	0.72
(2,1191)	1:133:A:LEU:HD22	1:136:A:ASP:HA	16	0.72
(2,1191)	1:133:A:LEU:HD23	1:136:A:ASP:HA	16	0.72
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG21	4	0.72
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG22	4	0.72
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG23	4	0.72
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD11	13	0.72
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD12	13	0.72
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD13	13	0.72
(2,783)	1:76:A:ILE:HA	1:41:A:LYS:HD2	18	0.72
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD21	11	0.72
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD22	11	0.72
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD23	11	0.72
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD11	9	0.72
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD12	9	0.72
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD13	9	0.72
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD11	9	0.72
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD12	9	0.72
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD13	9	0.72
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD21	1	0.72
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD22	1	0.72
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD23	1	0.72
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD21	1	0.72
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD22	1	0.72
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD23	1	0.72
(2,119)	1:120:A:TRP:H	1:160:A:TRP:HD1	13	0.72
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD22	8	0.71
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD21	8	0.71
(3,488)	1:148:A:ARG:HD2	1:93:A:ASP:H	10	0.71
(3,476)	1:77:A:ASP:HA	1:79:A:ASN:HD22	18	0.71
(3,288)	1:25:A:GLN:HG2	1:161:A:VAL:HA	9	0.71
(3,106)	1:45:A:GLU:H	1:39:A:SER:HB3	3	0.71
(3,35)	1:158:A:GLU:H	1:120:A:TRP:HZ2	19	0.71
(2,5385)	1:170:A:LEU:HD11	1:173:A:ILE:H	18	0.71
(2,5385)	1:170:A:LEU:HD12	1:173:A:ILE:H	18	0.71
(2,5385)	1:170:A:LEU:HD13	1:173:A:ILE:H	18	0.71
(2,5355)	1:142:A:LEU:HD11	1:120:A:TRP:HE1	7	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5355)	1:142:A:LEU:HD12	1:120:A:TRP:HE1	7	0.71
(2,5355)	1:142:A:LEU:HD13	1:120:A:TRP:HE1	7	0.71
(2,5324)	1:166:A:GLU:HB2	1:171:A:ASP:H	19	0.71
(2,5259)	1:163:A:GLN:HG2	1:163:A:GLN:H	6	0.71
(2,5025)	1:137:A:ASP:HB3	1:123:A:ALA:H	12	0.71
(2,4866)	1:91:A:GLN:HG3	1:93:A:ASP:H	5	0.71
(2,4842)	1:113:A:GLY:HA3	1:79:A:ASN:HD22	8	0.71
(2,4842)	1:113:A:GLY:HA2	1:79:A:ASN:HD22	8	0.71
(2,4789)	1:113:A:GLY:HA2	1:79:A:ASN:H	14	0.71
(2,4789)	1:113:A:GLY:HA2	1:79:A:ASN:H	16	0.71
(2,4768)	1:76:A:ILE:HG12	1:75:A:GLU:H	9	0.71
(2,4708)	1:61:A:GLU:HB2	1:63:A:GLN:H	20	0.71
(2,4596)	1:170:A:LEU:HD11	1:173:A:ILE:H	18	0.71
(2,4596)	1:170:A:LEU:HD12	1:173:A:ILE:H	18	0.71
(2,4596)	1:170:A:LEU:HD13	1:173:A:ILE:H	18	0.71
(2,4491)	1:161:A:VAL:HG21	1:26:A:LEU:H	20	0.71
(2,4491)	1:161:A:VAL:HG22	1:26:A:LEU:H	20	0.71
(2,4491)	1:161:A:VAL:HG23	1:26:A:LEU:H	20	0.71
(2,4442)	1:18:A:ILE:HB	1:20:A:LYS:H	18	0.71
(2,4442)	1:18:A:ILE:HB	1:20:A:LYS:H	19	0.71
(2,4146)	1:133:A:LEU:HD21	1:130:A:SER:H	20	0.71
(2,4146)	1:133:A:LEU:HD22	1:130:A:SER:H	20	0.71
(2,4146)	1:133:A:LEU:HD23	1:130:A:SER:H	20	0.71
(2,3997)	1:30:A:VAL:HG11	1:3:A:ILE:H	4	0.71
(2,3997)	1:30:A:VAL:HG12	1:3:A:ILE:H	4	0.71
(2,3997)	1:30:A:VAL:HG13	1:3:A:ILE:H	4	0.71
(2,3997)	1:30:A:VAL:HG11	1:3:A:ILE:H	14	0.71
(2,3997)	1:30:A:VAL:HG12	1:3:A:ILE:H	14	0.71
(2,3997)	1:30:A:VAL:HG13	1:3:A:ILE:H	14	0.71
(2,3967)	1:105:A:ILE:HG21	1:108:A:ILE:H	8	0.71
(2,3967)	1:105:A:ILE:HG22	1:108:A:ILE:H	8	0.71
(2,3967)	1:105:A:ILE:HG23	1:108:A:ILE:H	8	0.71
(2,3967)	1:105:A:ILE:HG21	1:108:A:ILE:H	16	0.71
(2,3967)	1:105:A:ILE:HG22	1:108:A:ILE:H	16	0.71
(2,3967)	1:105:A:ILE:HG23	1:108:A:ILE:H	16	0.71
(2,3823)	1:68:A:ASP:HB2	1:69:A:PHE:H	11	0.71
(2,3823)	1:68:A:ASP:HB2	1:69:A:PHE:H	12	0.71
(2,3738)	1:6:A:ILE:HD11	1:22:A:ILE:H	12	0.71
(2,3738)	1:6:A:ILE:HD12	1:22:A:ILE:H	12	0.71
(2,3738)	1:6:A:ILE:HD13	1:22:A:ILE:H	12	0.71
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD11	10	0.71
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD12	10	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD13	10	0.71
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD11	18	0.71
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD12	18	0.71
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD13	18	0.71
(2,3493)	1:172:A:GLU:HG2	1:169:A:HIS:HB2	13	0.71
(2,3305)	1:152:A:LEU:HD21	1:151:A:GLU:HG3	12	0.71
(2,3305)	1:152:A:LEU:HD22	1:151:A:GLU:HG3	12	0.71
(2,3305)	1:152:A:LEU:HD23	1:151:A:GLU:HG3	12	0.71
(2,3294)	1:151:A:GLU:HG3	1:150:A:PRO:HA	17	0.71
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD11	1	0.71
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD12	1	0.71
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD13	1	0.71
(2,3259)	1:41:A:LYS:HG3	1:42:A:GLU:HG3	6	0.71
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG11	2	0.71
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG12	2	0.71
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG13	2	0.71
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG11	2	0.71
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG12	2	0.71
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG13	2	0.71
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG11	2	0.71
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG12	2	0.71
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG13	2	0.71
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG21	11	0.71
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG22	11	0.71
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG23	11	0.71
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG21	11	0.71
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG22	11	0.71
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG23	11	0.71
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG21	11	0.71
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG22	11	0.71
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG23	11	0.71
(2,3005)	1:106:A:ARG:HG3	1:116:A:ILE:HD11	10	0.71
(2,3005)	1:106:A:ARG:HG3	1:116:A:ILE:HD12	10	0.71
(2,3005)	1:106:A:ARG:HG3	1:116:A:ILE:HD13	10	0.71
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD21	11	0.71
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD22	11	0.71
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD23	11	0.71
(2,2479)	1:30:A:VAL:HG11	1:173:A:ILE:HB	13	0.71
(2,2479)	1:30:A:VAL:HG12	1:173:A:ILE:HB	13	0.71
(2,2479)	1:30:A:VAL:HG13	1:173:A:ILE:HB	13	0.71
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD21	10	0.71
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD22	10	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD23	10	0.71
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD11	19	0.71
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD12	19	0.71
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD13	19	0.71
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD11	19	0.71
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD12	19	0.71
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD13	19	0.71
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB3	4	0.71
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB3	4	0.71
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB3	4	0.71
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB2	4	0.71
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB2	4	0.71
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB2	4	0.71
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB3	17	0.71
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB3	17	0.71
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB3	17	0.71
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB2	17	0.71
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB2	17	0.71
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB2	17	0.71
(2,2173)	1:49:A:ILE:HG12	1:82:A:LEU:HB3	18	0.71
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD21	12	0.71
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD22	12	0.71
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD23	12	0.71
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD21	12	0.71
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD22	12	0.71
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD23	12	0.71
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD21	12	0.71
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD22	12	0.71
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD23	12	0.71
(2,1826)	1:162:A:LYS:H	1:163:A:GLN:HG2	5	0.71
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG11	17	0.71
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG12	17	0.71
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG13	17	0.71
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG11	4	0.71
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG12	4	0.71
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG13	4	0.71
(2,1732)	1:131:A:LYS:H	1:131:A:LYS:HE2	2	0.71
(2,1624)	1:24:A:LYS:H	1:25:A:GLN:HG2	4	0.71
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG11	13	0.71
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG12	13	0.71
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG13	13	0.71
(2,1315)	1:51:A:LEU:HD21	1:4:A:THR:HB	19	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1315)	1:51:A:LEU:HD22	1:4:A:THR:HB	19	0.71
(2,1315)	1:51:A:LEU:HD23	1:4:A:THR:HB	19	0.71
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD21	12	0.71
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD22	12	0.71
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD23	12	0.71
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD21	12	0.71
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD22	12	0.71
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD23	12	0.71
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD21	12	0.71
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD22	12	0.71
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD23	12	0.71
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD11	13	0.71
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD12	13	0.71
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD13	13	0.71
(2,1232)	1:158:A:GLU:HA	1:162:A:LYS:HE2	6	0.71
(2,1232)	1:158:A:GLU:HA	1:162:A:LYS:HE2	11	0.71
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD11	1	0.71
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD12	1	0.71
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD13	1	0.71
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD11	1	0.71
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD12	1	0.71
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD13	1	0.71
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD11	1	0.71
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD12	1	0.71
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD13	1	0.71
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD11	16	0.71
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD12	16	0.71
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD13	16	0.71
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD11	16	0.71
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD12	16	0.71
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD13	16	0.71
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD11	16	0.71
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD12	16	0.71
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD13	16	0.71
(2,982)	1:157:A:VAL:HG11	1:142:A:LEU:HG	10	0.71
(2,982)	1:157:A:VAL:HG12	1:142:A:LEU:HG	10	0.71
(2,982)	1:157:A:VAL:HG13	1:142:A:LEU:HG	10	0.71
(2,982)	1:157:A:VAL:HG11	1:142:A:LEU:HG	17	0.71
(2,982)	1:157:A:VAL:HG12	1:142:A:LEU:HG	17	0.71
(2,982)	1:157:A:VAL:HG13	1:142:A:LEU:HG	17	0.71
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD21	19	0.71
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD22	19	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD23	19	0.71
(2,746)	1:169:A:HIS:HB2	1:172:A:GLU:HG2	17	0.71
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD11	7	0.71
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD12	7	0.71
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD13	7	0.71
(2,612)	1:106:A:ARG:H	1:140:A:VAL:HG11	19	0.71
(2,612)	1:106:A:ARG:H	1:140:A:VAL:HG12	19	0.71
(2,612)	1:106:A:ARG:H	1:140:A:VAL:HG13	19	0.71
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD21	3	0.71
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD22	3	0.71
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD23	3	0.71
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD21	20	0.71
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD22	20	0.71
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD23	20	0.71
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD11	1	0.71
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD12	1	0.71
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD13	1	0.71
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD11	9	0.71
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD12	9	0.71
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD13	9	0.71
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD11	2	0.71
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD12	2	0.71
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD13	2	0.71
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD11	2	0.71
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD12	2	0.71
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD13	2	0.71
(2,155)	1:12:A:THR:HB	1:57:A:TRP:HZ2	2	0.71
(2,96)	1:159:A:LYS:HB2	1:120:A:TRP:HZ2	13	0.71
(3,685)	1:20:A:LYS:HG2	1:23:A:GLN:HE21	16	0.7
(3,534)	1:116:A:ILE:HG12	1:106:A:ARG:HE	11	0.7
(3,394)	1:44:A:LEU:HD11	1:42:A:GLU:H	7	0.7
(3,394)	1:44:A:LEU:HD12	1:42:A:GLU:H	7	0.7
(3,394)	1:44:A:LEU:HD13	1:42:A:GLU:H	7	0.7
(3,273)	1:144:A:ILE:HG12	1:149:A:GLN:HA	14	0.7
(3,35)	1:158:A:GLU:H	1:120:A:TRP:HZ2	20	0.7
(2,5385)	1:170:A:LEU:HD11	1:173:A:ILE:H	7	0.7
(2,5385)	1:170:A:LEU:HD12	1:173:A:ILE:H	7	0.7
(2,5385)	1:170:A:LEU:HD13	1:173:A:ILE:H	7	0.7
(2,5310)	1:166:A:GLU:HB3	1:169:A:HIS:H	6	0.7
(2,5285)	1:164:A:ILE:HG12	1:166:A:GLU:H	2	0.7
(2,5211)	1:152:A:LEU:HD21	1:156:A:ARG:H	10	0.7
(2,5211)	1:152:A:LEU:HD22	1:156:A:ARG:H	10	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5211)	1:152:A:LEU:HD23	1:156:A:ARG:H	10	0.7
(2,5124)	1:102:A:LEU:HD11	1:142:A:LEU:H	11	0.7
(2,5124)	1:102:A:LEU:HD12	1:142:A:LEU:H	11	0.7
(2,5124)	1:102:A:LEU:HD13	1:142:A:LEU:H	11	0.7
(2,4951)	1:108:A:ILE:HG12	1:107:A:ASP:H	4	0.7
(2,4880)	1:96:A:GLU:HG2	1:95:A:ALA:H	4	0.7
(2,4768)	1:76:A:ILE:HG12	1:75:A:GLU:H	11	0.7
(2,4698)	1:101:A:ALA:H	1:61:A:GLU:H	14	0.7
(2,4596)	1:170:A:LEU:HD11	1:173:A:ILE:H	7	0.7
(2,4596)	1:170:A:LEU:HD12	1:173:A:ILE:H	7	0.7
(2,4596)	1:170:A:LEU:HD13	1:173:A:ILE:H	7	0.7
(2,4537)	1:38:A:LYS:HD2	1:35:A:ASP:H	5	0.7
(2,4537)	1:38:A:LYS:HD2	1:35:A:ASP:H	15	0.7
(2,4442)	1:18:A:ILE:HB	1:20:A:LYS:H	2	0.7
(2,4442)	1:18:A:ILE:HB	1:20:A:LYS:H	12	0.7
(2,4073)	1:111:A:PRO:HD3	1:112:A:ARG:H	13	0.7
(2,3967)	1:105:A:ILE:HG21	1:108:A:ILE:H	14	0.7
(2,3967)	1:105:A:ILE:HG22	1:108:A:ILE:H	14	0.7
(2,3967)	1:105:A:ILE:HG23	1:108:A:ILE:H	14	0.7
(2,3827)	1:145:A:ASP:HB2	1:147:A:ASP:H	19	0.7
(2,3823)	1:68:A:ASP:HB2	1:69:A:PHE:H	2	0.7
(2,3823)	1:68:A:ASP:HB2	1:69:A:PHE:H	13	0.7
(2,3823)	1:68:A:ASP:HB2	1:69:A:PHE:H	17	0.7
(2,3738)	1:6:A:ILE:HD11	1:22:A:ILE:H	14	0.7
(2,3738)	1:6:A:ILE:HD12	1:22:A:ILE:H	14	0.7
(2,3738)	1:6:A:ILE:HD13	1:22:A:ILE:H	14	0.7
(2,3661)	1:91:A:GLN:HG3	1:91:A:GLN:H	1	0.7
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD11	7	0.7
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD12	7	0.7
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD13	7	0.7
(2,3428)	1:155:A:GLU:HB2	1:159:A:LYS:HE2	11	0.7
(2,3391)	1:159:A:LYS:HE2	1:158:A:GLU:HB2	19	0.7
(2,3294)	1:151:A:GLU:HG3	1:150:A:PRO:HA	13	0.7
(2,3289)	1:90:A:ASP:HB3	1:149:A:GLN:HA	20	0.7
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD11	9	0.7
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD12	9	0.7
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD13	9	0.7
(2,2983)	1:116:A:ILE:HD11	1:115:A:THR:HA	20	0.7
(2,2983)	1:116:A:ILE:HD12	1:115:A:THR:HA	20	0.7
(2,2983)	1:116:A:ILE:HD13	1:115:A:THR:HA	20	0.7
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD11	9	0.7
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD12	9	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD13	9	0.7
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD11	18	0.7
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD12	18	0.7
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD13	18	0.7
(2,2566)	1:168:A:LEU:H	1:164:A:ILE:HG12	15	0.7
(2,2479)	1:30:A:VAL:HG11	1:173:A:ILE:HB	19	0.7
(2,2479)	1:30:A:VAL:HG12	1:173:A:ILE:HB	19	0.7
(2,2479)	1:30:A:VAL:HG13	1:173:A:ILE:HB	19	0.7
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD21	20	0.7
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD22	20	0.7
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD23	20	0.7
(2,2298)	1:41:A:LYS:HE3	1:75:A:GLU:HG3	15	0.7
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG21	10	0.7
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG22	10	0.7
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG23	10	0.7
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG21	10	0.7
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG22	10	0.7
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG23	10	0.7
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG21	10	0.7
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG22	10	0.7
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG23	10	0.7
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD11	18	0.7
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD12	18	0.7
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD13	18	0.7
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG21	8	0.7
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG22	8	0.7
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG23	8	0.7
(2,2130)	1:120:A:TRP:HH2	1:159:A:LYS:HG2	13	0.7
(2,1826)	1:162:A:LYS:H	1:163:A:GLN:HG2	13	0.7
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG21	9	0.7
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG22	9	0.7
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG23	9	0.7
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG21	16	0.7
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG22	16	0.7
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG23	16	0.7
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD11	12	0.7
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD12	12	0.7
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD13	12	0.7
(2,1686)	1:170:A:LEU:HD11	1:26:A:LEU:HG	1	0.7
(2,1686)	1:170:A:LEU:HD12	1:26:A:LEU:HG	1	0.7
(2,1686)	1:170:A:LEU:HD13	1:26:A:LEU:HG	1	0.7
(2,1624)	1:24:A:LYS:H	1:25:A:GLN:HG2	6	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1624)	1:24:A:LYS:H	1:25:A:GLN:HG2	9	0.7
(2,1396)	1:133:A:LEU:HD11	1:139:A:PHE:HA	16	0.7
(2,1396)	1:133:A:LEU:HD12	1:139:A:PHE:HA	16	0.7
(2,1396)	1:133:A:LEU:HD13	1:139:A:PHE:HA	16	0.7
(2,1396)	1:133:A:LEU:HD11	1:139:A:PHE:HA	20	0.7
(2,1396)	1:133:A:LEU:HD12	1:139:A:PHE:HA	20	0.7
(2,1396)	1:133:A:LEU:HD13	1:139:A:PHE:HA	20	0.7
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG11	19	0.7
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG12	19	0.7
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG13	19	0.7
(2,1232)	1:158:A:GLU:HA	1:162:A:LYS:HE2	5	0.7
(2,1228)	1:38:A:LYS:HB2	1:38:A:LYS:HE3	4	0.7
(2,1203)	1:30:A:VAL:HG11	1:174:A:LEU:HA	12	0.7
(2,1203)	1:30:A:VAL:HG12	1:174:A:LEU:HA	12	0.7
(2,1203)	1:30:A:VAL:HG13	1:174:A:LEU:HA	12	0.7
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG21	6	0.7
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG22	6	0.7
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG23	6	0.7
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD11	1	0.7
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD12	1	0.7
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD13	1	0.7
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG21	9	0.7
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG22	9	0.7
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG23	9	0.7
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD21	2	0.7
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD22	2	0.7
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD23	2	0.7
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD21	2	0.7
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD22	2	0.7
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD23	2	0.7
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD21	17	0.7
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD22	17	0.7
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD23	17	0.7
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD11	2	0.7
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD12	2	0.7
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD13	2	0.7
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD11	2	0.7
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD12	2	0.7
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD13	2	0.7
(2,501)	1:78:A:PHE:HE1	1:44:A:LEU:HD21	14	0.7
(2,501)	1:78:A:PHE:HE1	1:44:A:LEU:HD22	14	0.7
(2,501)	1:78:A:PHE:HE1	1:44:A:LEU:HD23	14	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,501)	1:78:A:PHE:HE2	1:44:A:LEU:HD21	14	0.7
(2,501)	1:78:A:PHE:HE2	1:44:A:LEU:HD22	14	0.7
(2,501)	1:78:A:PHE:HE2	1:44:A:LEU:HD23	14	0.7
(2,450)	1:25:A:GLN:HE21	1:161:A:VAL:HB	8	0.7
(3,453)	1:41:A:LYS:HD2	1:77:A:ASP:H	4	0.69
(3,288)	1:25:A:GLN:HG2	1:161:A:VAL:HA	7	0.69
(3,288)	1:25:A:GLN:HG2	1:161:A:VAL:HA	18	0.69
(3,276)	1:157:A:VAL:H	1:152:A:LEU:HB2	1	0.69
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD11	12	0.69
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD12	12	0.69
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD13	12	0.69
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD11	14	0.69
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD12	14	0.69
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD13	14	0.69
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD11	16	0.69
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD12	16	0.69
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD13	16	0.69
(3,119)	1:41:A:LYS:HB2	1:44:A:LEU:HD21	10	0.69
(3,119)	1:41:A:LYS:HB2	1:44:A:LEU:HD22	10	0.69
(3,119)	1:41:A:LYS:HB2	1:44:A:LEU:HD23	10	0.69
(2,5385)	1:170:A:LEU:HD11	1:173:A:ILE:H	14	0.69
(2,5385)	1:170:A:LEU:HD12	1:173:A:ILE:H	14	0.69
(2,5385)	1:170:A:LEU:HD13	1:173:A:ILE:H	14	0.69
(2,5343)	1:171:A:ASP:HA	1:175:A:ASN:HD22	16	0.69
(2,5078)	1:140:A:VAL:HB	1:134:A:ALA:H	2	0.69
(2,5075)	1:140:A:VAL:HB	1:134:A:ALA:H	2	0.69
(2,4982)	1:112:A:ARG:HD2	1:113:A:GLY:H	20	0.69
(2,4951)	1:108:A:ILE:HG12	1:107:A:ASP:H	19	0.69
(2,4898)	1:95:A:ALA:H	1:98:A:PHE:H	1	0.69
(2,4880)	1:96:A:GLU:HG2	1:95:A:ALA:H	17	0.69
(2,4768)	1:76:A:ILE:HG12	1:75:A:GLU:H	1	0.69
(2,4674)	1:102:A:LEU:HD11	1:54:A:ILE:H	12	0.69
(2,4674)	1:102:A:LEU:HD12	1:54:A:ILE:H	12	0.69
(2,4674)	1:102:A:LEU:HD13	1:54:A:ILE:H	12	0.69
(2,4610)	1:45:A:GLU:HG3	1:45:A:GLU:H	2	0.69
(2,4610)	1:45:A:GLU:HG3	1:45:A:GLU:H	3	0.69
(2,4596)	1:170:A:LEU:HD11	1:173:A:ILE:H	14	0.69
(2,4596)	1:170:A:LEU:HD12	1:173:A:ILE:H	14	0.69
(2,4596)	1:170:A:LEU:HD13	1:173:A:ILE:H	14	0.69
(2,4515)	1:26:A:LEU:HD11	1:31:A:ALA:H	10	0.69
(2,4515)	1:26:A:LEU:HD12	1:31:A:ALA:H	10	0.69
(2,4515)	1:26:A:LEU:HD13	1:31:A:ALA:H	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4509)	1:28:A:LYS:HG3	1:30:A:VAL:H	5	0.69
(2,4491)	1:161:A:VAL:HG21	1:26:A:LEU:H	9	0.69
(2,4491)	1:161:A:VAL:HG22	1:26:A:LEU:H	9	0.69
(2,4491)	1:161:A:VAL:HG23	1:26:A:LEU:H	9	0.69
(2,4442)	1:18:A:ILE:HB	1:20:A:LYS:H	4	0.69
(2,4442)	1:18:A:ILE:HB	1:20:A:LYS:H	6	0.69
(2,4107)	1:136:A:ASP:HB2	1:137:A:ASP:H	2	0.69
(2,4075)	1:112:A:ARG:HG2	1:112:A:ARG:H	17	0.69
(2,4075)	1:112:A:ARG:HG3	1:112:A:ARG:H	17	0.69
(2,4060)	1:133:A:LEU:HD11	1:135:A:ASP:H	5	0.69
(2,4060)	1:133:A:LEU:HD12	1:135:A:ASP:H	5	0.69
(2,4060)	1:133:A:LEU:HD13	1:135:A:ASP:H	5	0.69
(2,3967)	1:105:A:ILE:HG21	1:108:A:ILE:H	3	0.69
(2,3967)	1:105:A:ILE:HG22	1:108:A:ILE:H	3	0.69
(2,3967)	1:105:A:ILE:HG23	1:108:A:ILE:H	3	0.69
(2,3965)	1:111:A:PRO:HD2	1:108:A:ILE:H	6	0.69
(2,3853)	1:44:A:LEU:HD11	1:43:A:ASP:H	13	0.69
(2,3853)	1:44:A:LEU:HD12	1:43:A:ASP:H	13	0.69
(2,3853)	1:44:A:LEU:HD13	1:43:A:ASP:H	13	0.69
(2,3806)	1:67:A:ASP:HB2	1:63:A:GLN:H	2	0.69
(2,3759)	1:47:A:TYR:HB2	1:48:A:ASP:H	3	0.69
(2,3712)	1:82:A:LEU:HD21	1:117:A:VAL:H	6	0.69
(2,3712)	1:82:A:LEU:HD22	1:117:A:VAL:H	6	0.69
(2,3712)	1:82:A:LEU:HD23	1:117:A:VAL:H	6	0.69
(2,3512)	1:166:A:GLU:HB3	1:171:A:ASP:HB2	19	0.69
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD11	14	0.69
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD12	14	0.69
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD13	14	0.69
(2,3299)	1:88:A:CYS:HB2	1:18:A:ILE:HG12	1	0.69
(2,3259)	1:41:A:LYS:HG3	1:42:A:GLU:HG3	16	0.69
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG11	11	0.69
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG12	11	0.69
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG13	11	0.69
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG11	11	0.69
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG12	11	0.69
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG13	11	0.69
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG11	11	0.69
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG12	11	0.69
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG13	11	0.69
(2,3195)	1:102:A:LEU:HD11	1:139:A:PHE:HB2	7	0.69
(2,3195)	1:102:A:LEU:HD12	1:139:A:PHE:HB2	7	0.69
(2,3195)	1:102:A:LEU:HD13	1:139:A:PHE:HB2	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB2	6	0.69
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB3	6	0.69
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG21	16	0.69
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG22	16	0.69
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG23	16	0.69
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD11	6	0.69
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD12	6	0.69
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD13	6	0.69
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB1	17	0.69
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB2	17	0.69
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB3	17	0.69
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB1	17	0.69
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB2	17	0.69
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB3	17	0.69
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB1	17	0.69
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB2	17	0.69
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB3	17	0.69
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB1	16	0.69
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB2	16	0.69
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB3	16	0.69
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD11	20	0.69
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD12	20	0.69
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD13	20	0.69
(2,2566)	1:168:A:LEU:H	1:164:A:ILE:HG12	12	0.69
(2,2461)	1:74:A:GLU:HG2	1:75:A:GLU:HG3	7	0.69
(2,2461)	1:74:A:GLU:HG2	1:75:A:GLU:HG3	12	0.69
(2,2455)	1:72:A:THR:HA	1:75:A:GLU:HG2	7	0.69
(2,2451)	1:108:A:ILE:HD11	1:74:A:GLU:HG3	6	0.69
(2,2451)	1:108:A:ILE:HD12	1:74:A:GLU:HG3	6	0.69
(2,2451)	1:108:A:ILE:HD13	1:74:A:GLU:HG3	6	0.69
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD21	14	0.69
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD22	14	0.69
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD23	14	0.69
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD21	18	0.69
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD22	18	0.69
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD23	18	0.69
(2,2348)	1:70:A:PHE:HE1	1:66:A:TRP:HB2	9	0.69
(2,2348)	1:70:A:PHE:HE2	1:66:A:TRP:HB2	9	0.69
(2,2009)	1:39:A:SER:HB3	1:43:A:ASP:HB2	13	0.69
(2,2005)	1:44:A:LEU:HD11	1:43:A:ASP:HA	15	0.69
(2,2005)	1:44:A:LEU:HD12	1:43:A:ASP:HA	15	0.69
(2,2005)	1:44:A:LEU:HD13	1:43:A:ASP:HA	15	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG11	1	0.69
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG12	1	0.69
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG13	1	0.69
(2,1735)	1:28:A:LYS:HG3	1:29:A:ASP:HA	19	0.69
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG11	16	0.69
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG12	16	0.69
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG13	16	0.69
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG11	8	0.69
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG12	8	0.69
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG13	8	0.69
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG11	18	0.69
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG12	18	0.69
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG13	18	0.69
(2,1532)	1:97:A:TYR:HE1	1:96:A:GLU:HB3	18	0.69
(2,1532)	1:97:A:TYR:HE2	1:96:A:GLU:HB3	18	0.69
(2,1389)	1:16:A:GLU:HG3	1:8:A:PHE:HB2	7	0.69
(2,1315)	1:51:A:LEU:HD21	1:4:A:THR:HB	11	0.69
(2,1315)	1:51:A:LEU:HD22	1:4:A:THR:HB	11	0.69
(2,1315)	1:51:A:LEU:HD23	1:4:A:THR:HB	11	0.69
(2,1222)	1:30:A:VAL:HG11	1:31:A:ALA:HA	15	0.69
(2,1222)	1:30:A:VAL:HG12	1:31:A:ALA:HA	15	0.69
(2,1222)	1:30:A:VAL:HG13	1:31:A:ALA:HA	15	0.69
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD11	12	0.69
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD12	12	0.69
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD13	12	0.69
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD11	12	0.69
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD12	12	0.69
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD13	12	0.69
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD11	12	0.69
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD12	12	0.69
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD13	12	0.69
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD21	11	0.69
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD22	11	0.69
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD23	11	0.69
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD11	13	0.69
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD12	13	0.69
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD13	13	0.69
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD11	13	0.69
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD12	13	0.69
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD13	13	0.69
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD11	5	0.69
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD12	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD13	5	0.69
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD21	3	0.69
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD22	3	0.69
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD23	3	0.69
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD21	13	0.69
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD22	13	0.69
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD23	13	0.69
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD21	19	0.69
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD22	19	0.69
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD23	19	0.69
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD21	20	0.69
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD22	20	0.69
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD23	20	0.69
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD21	1	0.69
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD22	1	0.69
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD23	1	0.69
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD21	10	0.69
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD22	10	0.69
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD23	10	0.69
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD11	10	0.69
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD12	10	0.69
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD13	10	0.69
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD11	10	0.69
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD12	10	0.69
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD13	10	0.69
(2,437)	1:134:A:ALA:H	1:140:A:VAL:HB	2	0.69
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE1	2	0.69
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE2	2	0.69
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE1	2	0.69
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE2	2	0.69
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE1	2	0.69
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE2	2	0.69
(2,119)	1:120:A:TRP:H	1:160:A:TRP:HD1	15	0.69
(3,688)	1:92:A:GLU:HB3	1:91:A:GLN:HE21	16	0.68
(3,453)	1:41:A:LYS:HD2	1:77:A:ASP:H	5	0.68
(3,453)	1:41:A:LYS:HD2	1:77:A:ASP:H	20	0.68
(3,288)	1:25:A:GLN:HG2	1:161:A:VAL:HA	8	0.68
(2,5385)	1:170:A:LEU:HD11	1:173:A:ILE:H	16	0.68
(2,5385)	1:170:A:LEU:HD12	1:173:A:ILE:H	16	0.68
(2,5385)	1:170:A:LEU:HD13	1:173:A:ILE:H	16	0.68
(2,5344)	1:171:A:ASP:HB2	1:175:A:ASN:HD22	9	0.68
(2,5344)	1:171:A:ASP:HB2	1:175:A:ASN:HD22	17	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5310)	1:166:A:GLU:HB3	1:169:A:HIS:H	12	0.68
(2,5197)	1:155:A:GLU:HG2	1:154:A:ALA:H	19	0.68
(2,5078)	1:140:A:VAL:HB	1:134:A:ALA:H	4	0.68
(2,5075)	1:140:A:VAL:HB	1:134:A:ALA:H	4	0.68
(2,4965)	1:73:A:LEU:HD11	1:109:A:ILE:H	10	0.68
(2,4965)	1:73:A:LEU:HD12	1:109:A:ILE:H	10	0.68
(2,4965)	1:73:A:LEU:HD13	1:109:A:ILE:H	10	0.68
(2,4633)	1:3:A:ILE:HG12	1:48:A:ASP:H	10	0.68
(2,4596)	1:170:A:LEU:HD11	1:173:A:ILE:H	16	0.68
(2,4596)	1:170:A:LEU:HD12	1:173:A:ILE:H	16	0.68
(2,4596)	1:170:A:LEU:HD13	1:173:A:ILE:H	16	0.68
(2,4442)	1:18:A:ILE:HB	1:20:A:LYS:H	13	0.68
(2,3877)	1:172:A:GLU:HG2	1:172:A:GLU:H	6	0.68
(2,3738)	1:6:A:ILE:HD11	1:22:A:ILE:H	18	0.68
(2,3738)	1:6:A:ILE:HD12	1:22:A:ILE:H	18	0.68
(2,3738)	1:6:A:ILE:HD13	1:22:A:ILE:H	18	0.68
(2,3738)	1:6:A:ILE:HD11	1:22:A:ILE:H	20	0.68
(2,3738)	1:6:A:ILE:HD12	1:22:A:ILE:H	20	0.68
(2,3738)	1:6:A:ILE:HD13	1:22:A:ILE:H	20	0.68
(2,3512)	1:166:A:GLU:HB3	1:171:A:ASP:HB2	16	0.68
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD21	19	0.68
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD22	19	0.68
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD23	19	0.68
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD21	19	0.68
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD22	19	0.68
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD23	19	0.68
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD21	19	0.68
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD22	19	0.68
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD23	19	0.68
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD11	12	0.68
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD12	12	0.68
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD13	12	0.68
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD11	16	0.68
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD12	16	0.68
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD13	16	0.68
(2,3463)	1:170:A:LEU:HD11	1:165:A:SER:HB2	6	0.68
(2,3463)	1:170:A:LEU:HD12	1:165:A:SER:HB2	6	0.68
(2,3463)	1:170:A:LEU:HD13	1:165:A:SER:HB2	6	0.68
(2,3463)	1:170:A:LEU:HD11	1:165:A:SER:HB2	19	0.68
(2,3463)	1:170:A:LEU:HD12	1:165:A:SER:HB2	19	0.68
(2,3463)	1:170:A:LEU:HD13	1:165:A:SER:HB2	19	0.68
(2,3394)	1:159:A:LYS:HE2	1:159:A:LYS:HA	13	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3394)	1:159:A:LYS:HE2	1:159:A:LYS:HA	15	0.68
(2,3388)	1:112:A:ARG:HB3	1:78:A:PHE:HA	20	0.68
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD11	11	0.68
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD12	11	0.68
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD13	11	0.68
(2,3294)	1:151:A:GLU:HG3	1:150:A:PRO:HA	14	0.68
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD11	20	0.68
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD12	20	0.68
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD13	20	0.68
(2,3176)	1:140:A:VAL:HG11	1:134:A:ALA:HA	17	0.68
(2,3176)	1:140:A:VAL:HG12	1:134:A:ALA:HA	17	0.68
(2,3176)	1:140:A:VAL:HG13	1:134:A:ALA:HA	17	0.68
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD11	18	0.68
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD12	18	0.68
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD13	18	0.68
(2,3109)	1:125:A:TYR:HE1	1:128:A:GLU:HG2	19	0.68
(2,3109)	1:125:A:TYR:HE2	1:128:A:GLU:HG2	19	0.68
(2,3055)	1:160:A:TRP:HD1	1:121:A:PRO:HD2	12	0.68
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD11	20	0.68
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD12	20	0.68
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD13	20	0.68
(2,2566)	1:168:A:LEU:H	1:164:A:ILE:HG12	1	0.68
(2,2566)	1:168:A:LEU:H	1:164:A:ILE:HG12	14	0.68
(2,2520)	1:79:A:ASN:HB2	1:113:A:GLY:HA2	13	0.68
(2,2451)	1:108:A:ILE:HD11	1:74:A:GLU:HG3	20	0.68
(2,2451)	1:108:A:ILE:HD12	1:74:A:GLU:HG3	20	0.68
(2,2451)	1:108:A:ILE:HD13	1:74:A:GLU:HG3	20	0.68
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD21	2	0.68
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD22	2	0.68
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD23	2	0.68
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB1	14	0.68
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB2	14	0.68
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB3	14	0.68
(2,1717)	1:158:A:GLU:HG2	1:155:A:GLU:HA	6	0.68
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD11	10	0.68
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD12	10	0.68
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD13	10	0.68
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG11	4	0.68
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG12	4	0.68
(2,1325)	1:26:A:LEU:HD11	1:30:A:VAL:HG13	4	0.68
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG11	4	0.68
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG12	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1325)	1:26:A:LEU:HD12	1:30:A:VAL:HG13	4	0.68
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG11	4	0.68
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG12	4	0.68
(2,1325)	1:26:A:LEU:HD13	1:30:A:VAL:HG13	4	0.68
(2,1279)	1:168:A:LEU:HD11	1:170:A:LEU:HG	11	0.68
(2,1279)	1:168:A:LEU:HD12	1:170:A:LEU:HG	11	0.68
(2,1279)	1:168:A:LEU:HD13	1:170:A:LEU:HG	11	0.68
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD11	8	0.68
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD12	8	0.68
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD13	8	0.68
(2,1222)	1:30:A:VAL:HG11	1:31:A:ALA:HA	12	0.68
(2,1222)	1:30:A:VAL:HG12	1:31:A:ALA:HA	12	0.68
(2,1222)	1:30:A:VAL:HG13	1:31:A:ALA:HA	12	0.68
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG11	13	0.68
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG12	13	0.68
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG13	13	0.68
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG11	13	0.68
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG12	13	0.68
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG13	13	0.68
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG11	13	0.68
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG12	13	0.68
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG13	13	0.68
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD21	3	0.68
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD22	3	0.68
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD23	3	0.68
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG21	6	0.68
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG22	6	0.68
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG23	6	0.68
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG21	11	0.68
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG22	11	0.68
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG23	11	0.68
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD11	8	0.68
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD12	8	0.68
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD13	8	0.68
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD11	16	0.68
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD12	16	0.68
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD13	16	0.68
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD11	16	0.68
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD12	16	0.68
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD13	16	0.68
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD21	18	0.68
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD22	18	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD23	18	0.68
(2,525)	1:86:A:PHE:HD1	1:142:A:LEU:HG	1	0.68
(2,525)	1:86:A:PHE:HD2	1:142:A:LEU:HG	1	0.68
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD21	8	0.68
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD22	8	0.68
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD23	8	0.68
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD21	19	0.68
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD22	19	0.68
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD23	19	0.68
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD21	19	0.68
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD22	19	0.68
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD23	19	0.68
(2,437)	1:134:A:ALA:H	1:140:A:VAL:HB	4	0.68
(2,416)	1:172:A:GLU:H	1:172:A:GLU:HG2	6	0.68
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD1	16	0.68
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD2	16	0.68
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD1	16	0.68
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD2	16	0.68
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD1	15	0.68
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD2	15	0.68
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD1	15	0.68
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD2	15	0.68
(3,685)	1:20:A:LYS:HG2	1:23:A:GLN:HE21	17	0.67
(3,667)	1:172:A:GLU:HG2	1:169:A:HIS:H	12	0.67
(3,288)	1:25:A:GLN:HG2	1:161:A:VAL:HA	17	0.67
(2,5344)	1:171:A:ASP:HB2	1:175:A:ASN:HD22	3	0.67
(2,5344)	1:171:A:ASP:HB2	1:175:A:ASN:HD22	4	0.67
(2,5344)	1:171:A:ASP:HB2	1:175:A:ASN:HD22	10	0.67
(2,5344)	1:171:A:ASP:HB2	1:175:A:ASN:HD22	18	0.67
(2,5344)	1:171:A:ASP:HB2	1:175:A:ASN:HD22	19	0.67
(2,5344)	1:171:A:ASP:HB2	1:175:A:ASN:HD22	20	0.67
(2,5324)	1:166:A:GLU:HB2	1:171:A:ASP:H	12	0.67
(2,5324)	1:166:A:GLU:HB2	1:171:A:ASP:H	18	0.67
(2,5310)	1:166:A:GLU:HB3	1:169:A:HIS:H	11	0.67
(2,5310)	1:166:A:GLU:HB3	1:169:A:HIS:H	15	0.67
(2,5310)	1:166:A:GLU:HB3	1:169:A:HIS:H	16	0.67
(2,5300)	1:82:A:LEU:HD21	1:168:A:LEU:H	14	0.67
(2,5300)	1:82:A:LEU:HD22	1:168:A:LEU:H	14	0.67
(2,5300)	1:82:A:LEU:HD23	1:168:A:LEU:H	14	0.67
(2,5300)	1:82:A:LEU:HD21	1:168:A:LEU:H	17	0.67
(2,5300)	1:82:A:LEU:HD22	1:168:A:LEU:H	17	0.67
(2,5300)	1:82:A:LEU:HD23	1:168:A:LEU:H	17	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5124)	1:102:A:LEU:HD11	1:142:A:LEU:H	19	0.67
(2,5124)	1:102:A:LEU:HD12	1:142:A:LEU:H	19	0.67
(2,5124)	1:102:A:LEU:HD13	1:142:A:LEU:H	19	0.67
(2,5077)	1:133:A:LEU:HD11	1:134:A:ALA:H	20	0.67
(2,5077)	1:133:A:LEU:HD12	1:134:A:ALA:H	20	0.67
(2,5077)	1:133:A:LEU:HD13	1:134:A:ALA:H	20	0.67
(2,5025)	1:137:A:ASP:HB3	1:123:A:ALA:H	3	0.67
(2,5025)	1:137:A:ASP:HB3	1:123:A:ALA:H	19	0.67
(2,4538)	1:38:A:LYS:HG2	1:35:A:ASP:H	4	0.67
(2,4493)	1:26:A:LEU:HD11	1:26:A:LEU:H	9	0.67
(2,4493)	1:26:A:LEU:HD12	1:26:A:LEU:H	9	0.67
(2,4493)	1:26:A:LEU:HD13	1:26:A:LEU:H	9	0.67
(2,4491)	1:161:A:VAL:HG21	1:26:A:LEU:H	2	0.67
(2,4491)	1:161:A:VAL:HG22	1:26:A:LEU:H	2	0.67
(2,4491)	1:161:A:VAL:HG23	1:26:A:LEU:H	2	0.67
(2,4442)	1:18:A:ILE:HB	1:20:A:LYS:H	5	0.67
(2,4442)	1:18:A:ILE:HB	1:20:A:LYS:H	7	0.67
(2,4060)	1:133:A:LEU:HD11	1:135:A:ASP:H	3	0.67
(2,4060)	1:133:A:LEU:HD12	1:135:A:ASP:H	3	0.67
(2,4060)	1:133:A:LEU:HD13	1:135:A:ASP:H	3	0.67
(2,3997)	1:30:A:VAL:HG11	1:3:A:ILE:H	7	0.67
(2,3997)	1:30:A:VAL:HG12	1:3:A:ILE:H	7	0.67
(2,3997)	1:30:A:VAL:HG13	1:3:A:ILE:H	7	0.67
(2,3967)	1:105:A:ILE:HG21	1:108:A:ILE:H	12	0.67
(2,3967)	1:105:A:ILE:HG22	1:108:A:ILE:H	12	0.67
(2,3967)	1:105:A:ILE:HG23	1:108:A:ILE:H	12	0.67
(2,3965)	1:111:A:PRO:HD2	1:108:A:ILE:H	18	0.67
(2,3884)	1:26:A:LEU:HD11	1:26:A:LEU:H	9	0.67
(2,3884)	1:26:A:LEU:HD12	1:26:A:LEU:H	9	0.67
(2,3884)	1:26:A:LEU:HD13	1:26:A:LEU:H	9	0.67
(2,3827)	1:145:A:ASP:HB2	1:147:A:ASP:H	11	0.67
(2,3738)	1:6:A:ILE:HD11	1:22:A:ILE:H	13	0.67
(2,3738)	1:6:A:ILE:HD12	1:22:A:ILE:H	13	0.67
(2,3738)	1:6:A:ILE:HD13	1:22:A:ILE:H	13	0.67
(2,3706)	1:151:A:GLU:HG3	1:151:A:GLU:H	11	0.67
(2,3684)	1:158:A:GLU:HA	1:162:A:LYS:H	5	0.67
(2,3650)	1:85:A:LEU:HD11	1:85:A:LEU:H	1	0.67
(2,3650)	1:85:A:LEU:HD12	1:85:A:LEU:H	1	0.67
(2,3650)	1:85:A:LEU:HD13	1:85:A:LEU:H	1	0.67
(2,3650)	1:85:A:LEU:HD11	1:85:A:LEU:H	4	0.67
(2,3650)	1:85:A:LEU:HD12	1:85:A:LEU:H	4	0.67
(2,3650)	1:85:A:LEU:HD13	1:85:A:LEU:H	4	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3650)	1:85:A:LEU:HD11	1:85:A:LEU:H	6	0.67
(2,3650)	1:85:A:LEU:HD12	1:85:A:LEU:H	6	0.67
(2,3650)	1:85:A:LEU:HD13	1:85:A:LEU:H	6	0.67
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD21	14	0.67
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD22	14	0.67
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD23	14	0.67
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD21	14	0.67
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD22	14	0.67
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD23	14	0.67
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD21	14	0.67
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD22	14	0.67
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD23	14	0.67
(2,3470)	1:163:A:GLN:HA	1:166:A:GLU:HG3	12	0.67
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG21	10	0.67
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG22	10	0.67
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG23	10	0.67
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG11	9	0.67
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG12	9	0.67
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG13	9	0.67
(2,3182)	1:138:A:HIS:HB3	1:134:A:ALA:HB1	15	0.67
(2,3182)	1:138:A:HIS:HB3	1:134:A:ALA:HB2	15	0.67
(2,3182)	1:138:A:HIS:HB3	1:134:A:ALA:HB3	15	0.67
(2,3109)	1:125:A:TYR:HE1	1:128:A:GLU:HG2	2	0.67
(2,3109)	1:125:A:TYR:HE2	1:128:A:GLU:HG2	2	0.67
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD11	10	0.67
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD12	10	0.67
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD13	10	0.67
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD11	1	0.67
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD12	1	0.67
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD13	1	0.67
(2,2520)	1:79:A:ASN:HB2	1:113:A:GLY:HA2	6	0.67
(2,2500)	1:81:A:LYS:HD3	1:78:A:PHE:HA	18	0.67
(2,2461)	1:74:A:GLU:HG2	1:75:A:GLU:HG3	1	0.67
(2,2461)	1:74:A:GLU:HG2	1:75:A:GLU:HG3	20	0.67
(2,2457)	1:162:A:LYS:HA	1:166:A:GLU:HG2	19	0.67
(2,2455)	1:72:A:THR:HA	1:75:A:GLU:HG2	16	0.67
(2,2441)	1:109:A:ILE:H	1:73:A:LEU:HD21	15	0.67
(2,2441)	1:109:A:ILE:H	1:73:A:LEU:HD22	15	0.67
(2,2441)	1:109:A:ILE:H	1:73:A:LEU:HD23	15	0.67
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD21	6	0.67
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD22	6	0.67
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD23	6	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG21	20	0.67
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG22	20	0.67
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG23	20	0.67
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG21	20	0.67
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG22	20	0.67
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG23	20	0.67
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG21	20	0.67
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG22	20	0.67
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG23	20	0.67
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD11	4	0.67
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD12	4	0.67
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD13	4	0.67
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD11	4	0.67
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD12	4	0.67
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD13	4	0.67
(2,2173)	1:49:A:ILE:HG12	1:82:A:LEU:HB3	17	0.67
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG21	12	0.67
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG22	12	0.67
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG23	12	0.67
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG21	12	0.67
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG22	12	0.67
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG23	12	0.67
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG21	12	0.67
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG22	12	0.67
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG23	12	0.67
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD11	6	0.67
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD12	6	0.67
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD13	6	0.67
(2,2022)	1:72:A:THR:HG21	1:44:A:LEU:HD11	5	0.67
(2,2022)	1:72:A:THR:HG21	1:44:A:LEU:HD12	5	0.67
(2,2022)	1:72:A:THR:HG21	1:44:A:LEU:HD13	5	0.67
(2,2022)	1:72:A:THR:HG22	1:44:A:LEU:HD11	5	0.67
(2,2022)	1:72:A:THR:HG22	1:44:A:LEU:HD12	5	0.67
(2,2022)	1:72:A:THR:HG22	1:44:A:LEU:HD13	5	0.67
(2,2022)	1:72:A:THR:HG23	1:44:A:LEU:HD11	5	0.67
(2,2022)	1:72:A:THR:HG23	1:44:A:LEU:HD12	5	0.67
(2,2022)	1:72:A:THR:HG23	1:44:A:LEU:HD13	5	0.67
(2,1967)	1:45:A:GLU:HG2	1:42:A:GLU:HA	10	0.67
(2,1900)	1:35:A:ASP:H	1:38:A:LYS:HG2	4	0.67
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB3	20	0.67
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB2	20	0.67
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG21	5	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG22	5	0.67
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG23	5	0.67
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG21	16	0.67
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG22	16	0.67
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG23	16	0.67
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG21	19	0.67
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG22	19	0.67
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG23	19	0.67
(2,1686)	1:170:A:LEU:HD11	1:26:A:LEU:HG	15	0.67
(2,1686)	1:170:A:LEU:HD12	1:26:A:LEU:HG	15	0.67
(2,1686)	1:170:A:LEU:HD13	1:26:A:LEU:HG	15	0.67
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB2	2	0.67
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB2	2	0.67
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB2	2	0.67
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB3	2	0.67
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB3	2	0.67
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB3	2	0.67
(2,1659)	1:34:A:HIS:HB2	1:38:A:LYS:HE3	15	0.67
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD11	6	0.67
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD12	6	0.67
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD13	6	0.67
(2,1232)	1:158:A:GLU:HA	1:162:A:LYS:HE2	17	0.67
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG11	10	0.67
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG12	10	0.67
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG13	10	0.67
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD21	13	0.67
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD22	13	0.67
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD23	13	0.67
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD21	13	0.67
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD22	13	0.67
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD23	13	0.67
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD11	3	0.67
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD12	3	0.67
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD13	3	0.67
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD21	10	0.67
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD22	10	0.67
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD23	10	0.67
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD11	19	0.67
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD12	19	0.67
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD13	19	0.67
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD11	19	0.67
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD12	19	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD13	19	0.67
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD1	14	0.67
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD2	14	0.67
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD1	14	0.67
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD2	14	0.67
(3,522)	1:108:A:ILE:HG12	1:105:A:ILE:H	9	0.66
(3,522)	1:108:A:ILE:HG12	1:105:A:ILE:H	18	0.66
(3,509)	1:127:A:PHE:HB3	1:98:A:PHE:H	19	0.66
(3,273)	1:144:A:ILE:HG12	1:149:A:GLN:HA	17	0.66
(2,5385)	1:170:A:LEU:HD11	1:173:A:ILE:H	10	0.66
(2,5385)	1:170:A:LEU:HD12	1:173:A:ILE:H	10	0.66
(2,5385)	1:170:A:LEU:HD13	1:173:A:ILE:H	10	0.66
(2,5344)	1:171:A:ASP:HB2	1:175:A:ASN:HD22	6	0.66
(2,5344)	1:171:A:ASP:HB2	1:175:A:ASN:HD22	11	0.66
(2,5344)	1:171:A:ASP:HB2	1:175:A:ASN:HD22	13	0.66
(2,5336)	1:170:A:LEU:HD11	1:174:A:LEU:H	3	0.66
(2,5336)	1:170:A:LEU:HD12	1:174:A:LEU:H	3	0.66
(2,5336)	1:170:A:LEU:HD13	1:174:A:LEU:H	3	0.66
(2,5310)	1:166:A:GLU:HB3	1:169:A:HIS:H	20	0.66
(2,5111)	1:102:A:LEU:HD11	1:140:A:VAL:H	2	0.66
(2,5111)	1:102:A:LEU:HD12	1:140:A:VAL:H	2	0.66
(2,5111)	1:102:A:LEU:HD13	1:140:A:VAL:H	2	0.66
(2,5078)	1:140:A:VAL:HB	1:134:A:ALA:H	9	0.66
(2,5078)	1:140:A:VAL:HB	1:134:A:ALA:H	15	0.66
(2,5075)	1:140:A:VAL:HB	1:134:A:ALA:H	9	0.66
(2,5075)	1:140:A:VAL:HB	1:134:A:ALA:H	15	0.66
(2,4951)	1:108:A:ILE:HG12	1:107:A:ASP:H	16	0.66
(2,4901)	1:128:A:GLU:HB2	1:98:A:PHE:H	17	0.66
(2,4789)	1:113:A:GLY:HA2	1:79:A:ASN:H	15	0.66
(2,4768)	1:76:A:ILE:HG12	1:75:A:GLU:H	8	0.66
(2,4596)	1:170:A:LEU:HD11	1:173:A:ILE:H	10	0.66
(2,4596)	1:170:A:LEU:HD12	1:173:A:ILE:H	10	0.66
(2,4596)	1:170:A:LEU:HD13	1:173:A:ILE:H	10	0.66
(2,4537)	1:38:A:LYS:HD2	1:35:A:ASP:H	19	0.66
(2,4442)	1:18:A:ILE:HB	1:20:A:LYS:H	20	0.66
(2,4098)	1:45:A:GLU:HG2	1:45:A:GLU:H	18	0.66
(2,3902)	1:158:A:GLU:HB3	1:159:A:LYS:H	19	0.66
(2,3823)	1:68:A:ASP:HB2	1:69:A:PHE:H	8	0.66
(2,3806)	1:67:A:ASP:HB2	1:63:A:GLN:H	1	0.66
(2,3738)	1:6:A:ILE:HD11	1:22:A:ILE:H	15	0.66
(2,3738)	1:6:A:ILE:HD12	1:22:A:ILE:H	15	0.66
(2,3738)	1:6:A:ILE:HD13	1:22:A:ILE:H	15	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3661)	1:91:A:GLN:HG3	1:91:A:GLN:H	20	0.66
(2,3650)	1:85:A:LEU:HD11	1:85:A:LEU:H	17	0.66
(2,3650)	1:85:A:LEU:HD12	1:85:A:LEU:H	17	0.66
(2,3650)	1:85:A:LEU:HD13	1:85:A:LEU:H	17	0.66
(2,3650)	1:85:A:LEU:HD11	1:85:A:LEU:H	20	0.66
(2,3650)	1:85:A:LEU:HD12	1:85:A:LEU:H	20	0.66
(2,3650)	1:85:A:LEU:HD13	1:85:A:LEU:H	20	0.66
(2,3515)	1:170:A:LEU:HB2	1:171:A:ASP:HB2	2	0.66
(2,3513)	1:172:A:GLU:HG2	1:171:A:ASP:HB2	16	0.66
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD11	10	0.66
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD12	10	0.66
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD13	10	0.66
(2,3071)	1:133:A:LEU:HB2	1:122:A:THR:HG21	3	0.66
(2,3071)	1:133:A:LEU:HB2	1:122:A:THR:HG22	3	0.66
(2,3071)	1:133:A:LEU:HB2	1:122:A:THR:HG23	3	0.66
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD11	20	0.66
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD12	20	0.66
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD13	20	0.66
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG21	15	0.66
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG22	15	0.66
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG23	15	0.66
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD11	2	0.66
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD12	2	0.66
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD13	2	0.66
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD11	4	0.66
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD12	4	0.66
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD13	4	0.66
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD11	10	0.66
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD12	10	0.66
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD13	10	0.66
(2,2455)	1:72:A:THR:HA	1:75:A:GLU:HG2	2	0.66
(2,2431)	1:52:A:LEU:HD11	1:73:A:LEU:HB2	8	0.66
(2,2431)	1:52:A:LEU:HD12	1:73:A:LEU:HB2	8	0.66
(2,2431)	1:52:A:LEU:HD13	1:73:A:LEU:HB2	8	0.66
(2,2431)	1:52:A:LEU:HD11	1:73:A:LEU:HB2	12	0.66
(2,2431)	1:52:A:LEU:HD12	1:73:A:LEU:HB2	12	0.66
(2,2431)	1:52:A:LEU:HD13	1:73:A:LEU:HB2	12	0.66
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD21	16	0.66
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD22	16	0.66
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD23	16	0.66
(2,2180)	1:161:A:VAL:HG11	1:162:A:LYS:HD2	16	0.66
(2,2180)	1:161:A:VAL:HG12	1:162:A:LYS:HD2	16	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2180)	1:161:A:VAL:HG13	1:162:A:LYS:HD2	16	0.66
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG21	19	0.66
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG22	19	0.66
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG23	19	0.66
(2,1577)	1:25:A:GLN:HB3	1:22:A:ILE:HA	2	0.66
(2,1429)	1:55:A:PRO:HB2	1:15:A:THR:HB	6	0.66
(2,1396)	1:133:A:LEU:HD11	1:139:A:PHE:HA	18	0.66
(2,1396)	1:133:A:LEU:HD12	1:139:A:PHE:HA	18	0.66
(2,1396)	1:133:A:LEU:HD13	1:139:A:PHE:HA	18	0.66
(2,1222)	1:30:A:VAL:HG11	1:31:A:ALA:HA	11	0.66
(2,1222)	1:30:A:VAL:HG12	1:31:A:ALA:HA	11	0.66
(2,1222)	1:30:A:VAL:HG13	1:31:A:ALA:HA	11	0.66
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD21	20	0.66
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD22	20	0.66
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD23	20	0.66
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD21	20	0.66
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD22	20	0.66
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD23	20	0.66
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD21	20	0.66
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD22	20	0.66
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD23	20	0.66
(2,612)	1:106:A:ARG:H	1:140:A:VAL:HG11	12	0.66
(2,612)	1:106:A:ARG:H	1:140:A:VAL:HG12	12	0.66
(2,612)	1:106:A:ARG:H	1:140:A:VAL:HG13	12	0.66
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD21	6	0.66
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD22	6	0.66
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD23	6	0.66
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD21	2	0.66
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD22	2	0.66
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD23	2	0.66
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD11	11	0.66
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD12	11	0.66
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD13	11	0.66
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD11	11	0.66
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD12	11	0.66
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD13	11	0.66
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD21	8	0.66
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD22	8	0.66
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD23	8	0.66
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD21	8	0.66
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD22	8	0.66
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD23	8	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD11	7	0.66
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD12	7	0.66
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD13	7	0.66
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD11	16	0.66
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD12	16	0.66
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD13	16	0.66
(2,437)	1:134:A:ALA:H	1:140:A:VAL:HB	9	0.66
(2,437)	1:134:A:ALA:H	1:140:A:VAL:HB	15	0.66
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD1	1	0.66
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD2	1	0.66
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD1	1	0.66
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD2	1	0.66
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD1	17	0.66
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD2	17	0.66
(3,441)	1:112:A:ARG:HD3	1:74:A:GLU:H	20	0.65
(3,165)	1:112:A:ARG:HB3	1:81:A:LYS:HD2	8	0.65
(2,5385)	1:170:A:LEU:HD11	1:173:A:ILE:H	5	0.65
(2,5385)	1:170:A:LEU:HD12	1:173:A:ILE:H	5	0.65
(2,5385)	1:170:A:LEU:HD13	1:173:A:ILE:H	5	0.65
(2,5355)	1:142:A:LEU:HD11	1:120:A:TRP:HE1	20	0.65
(2,5355)	1:142:A:LEU:HD12	1:120:A:TRP:HE1	20	0.65
(2,5355)	1:142:A:LEU:HD13	1:120:A:TRP:HE1	20	0.65
(2,5300)	1:82:A:LEU:HD21	1:168:A:LEU:H	10	0.65
(2,5300)	1:82:A:LEU:HD22	1:168:A:LEU:H	10	0.65
(2,5300)	1:82:A:LEU:HD23	1:168:A:LEU:H	10	0.65
(2,5190)	1:156:A:ARG:HB3	1:153:A:THR:H	3	0.65
(2,5190)	1:156:A:ARG:HB2	1:153:A:THR:H	3	0.65
(2,5190)	1:156:A:ARG:HB3	1:153:A:THR:H	7	0.65
(2,5190)	1:156:A:ARG:HB2	1:153:A:THR:H	7	0.65
(2,5171)	1:145:A:ASP:HB3	1:149:A:GLN:H	5	0.65
(2,5148)	1:156:A:ARG:HG2	1:145:A:ASP:H	20	0.65
(2,5077)	1:133:A:LEU:HD11	1:134:A:ALA:H	3	0.65
(2,5077)	1:133:A:LEU:HD12	1:134:A:ALA:H	3	0.65
(2,5077)	1:133:A:LEU:HD13	1:134:A:ALA:H	3	0.65
(2,5059)	1:131:A:LYS:HG3	1:130:A:SER:H	17	0.65
(2,5025)	1:137:A:ASP:HB3	1:123:A:ALA:H	18	0.65
(2,4951)	1:108:A:ILE:HG12	1:107:A:ASP:H	3	0.65
(2,4951)	1:108:A:ILE:HG12	1:107:A:ASP:H	5	0.65
(2,4951)	1:108:A:ILE:HG12	1:107:A:ASP:H	14	0.65
(2,4901)	1:128:A:GLU:HB2	1:98:A:PHE:H	4	0.65
(2,4880)	1:96:A:GLU:HG2	1:95:A:ALA:H	9	0.65
(2,4596)	1:170:A:LEU:HD11	1:173:A:ILE:H	5	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4596)	1:170:A:LEU:HD12	1:173:A:ILE:H	5	0.65
(2,4596)	1:170:A:LEU:HD13	1:173:A:ILE:H	5	0.65
(2,4449)	1:157:A:VAL:HG11	1:21:A:MET:H	1	0.65
(2,4449)	1:157:A:VAL:HG12	1:21:A:MET:H	1	0.65
(2,4449)	1:157:A:VAL:HG13	1:21:A:MET:H	1	0.65
(2,4442)	1:18:A:ILE:HB	1:20:A:LYS:H	9	0.65
(2,4442)	1:18:A:ILE:HB	1:20:A:LYS:H	15	0.65
(2,4442)	1:18:A:ILE:HB	1:20:A:LYS:H	16	0.65
(2,4107)	1:136:A:ASP:HB2	1:137:A:ASP:H	3	0.65
(2,3987)	1:49:A:ILE:HD11	1:170:A:LEU:H	20	0.65
(2,3987)	1:49:A:ILE:HD12	1:170:A:LEU:H	20	0.65
(2,3987)	1:49:A:ILE:HD13	1:170:A:LEU:H	20	0.65
(2,3902)	1:158:A:GLU:HB3	1:159:A:LYS:H	12	0.65
(2,3823)	1:68:A:ASP:HB2	1:69:A:PHE:H	20	0.65
(2,3813)	1:95:A:ALA:HB1	1:128:A:GLU:H	15	0.65
(2,3813)	1:95:A:ALA:HB2	1:128:A:GLU:H	15	0.65
(2,3813)	1:95:A:ALA:HB3	1:128:A:GLU:H	15	0.65
(2,3806)	1:67:A:ASP:HB2	1:63:A:GLN:H	19	0.65
(2,3650)	1:85:A:LEU:HD11	1:85:A:LEU:H	16	0.65
(2,3650)	1:85:A:LEU:HD12	1:85:A:LEU:H	16	0.65
(2,3650)	1:85:A:LEU:HD13	1:85:A:LEU:H	16	0.65
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD11	19	0.65
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD12	19	0.65
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD13	19	0.65
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD11	5	0.65
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD12	5	0.65
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD13	5	0.65
(2,3394)	1:159:A:LYS:HE2	1:159:A:LYS:HA	14	0.65
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG21	8	0.65
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG22	8	0.65
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG23	8	0.65
(2,3374)	1:21:A:MET:H	1:157:A:VAL:HG11	1	0.65
(2,3374)	1:21:A:MET:H	1:157:A:VAL:HG12	1	0.65
(2,3374)	1:21:A:MET:H	1:157:A:VAL:HG13	1	0.65
(2,3259)	1:41:A:LYS:HG3	1:42:A:GLU:HG3	17	0.65
(2,3176)	1:140:A:VAL:HG11	1:134:A:ALA:HA	5	0.65
(2,3176)	1:140:A:VAL:HG12	1:134:A:ALA:HA	5	0.65
(2,3176)	1:140:A:VAL:HG13	1:134:A:ALA:HA	5	0.65
(2,3176)	1:140:A:VAL:HG11	1:134:A:ALA:HA	9	0.65
(2,3176)	1:140:A:VAL:HG12	1:134:A:ALA:HA	9	0.65
(2,3176)	1:140:A:VAL:HG13	1:134:A:ALA:HA	9	0.65
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD11	16	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD12	16	0.65
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD13	16	0.65
(2,2880)	1:112:A:ARG:HG3	1:108:A:ILE:HG21	14	0.65
(2,2880)	1:112:A:ARG:HG3	1:108:A:ILE:HG22	14	0.65
(2,2880)	1:112:A:ARG:HG3	1:108:A:ILE:HG23	14	0.65
(2,2566)	1:168:A:LEU:H	1:164:A:ILE:HG12	19	0.65
(2,2460)	1:162:A:LYS:HE2	1:158:A:GLU:HG3	8	0.65
(2,2431)	1:52:A:LEU:HD11	1:73:A:LEU:HB2	7	0.65
(2,2431)	1:52:A:LEU:HD12	1:73:A:LEU:HB2	7	0.65
(2,2431)	1:52:A:LEU:HD13	1:73:A:LEU:HB2	7	0.65
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD21	6	0.65
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD22	6	0.65
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD23	6	0.65
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG21	17	0.65
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG22	17	0.65
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG23	17	0.65
(2,2022)	1:72:A:THR:HG21	1:44:A:LEU:HD11	15	0.65
(2,2022)	1:72:A:THR:HG21	1:44:A:LEU:HD12	15	0.65
(2,2022)	1:72:A:THR:HG21	1:44:A:LEU:HD13	15	0.65
(2,2022)	1:72:A:THR:HG22	1:44:A:LEU:HD11	15	0.65
(2,2022)	1:72:A:THR:HG22	1:44:A:LEU:HD12	15	0.65
(2,2022)	1:72:A:THR:HG22	1:44:A:LEU:HD13	15	0.65
(2,2022)	1:72:A:THR:HG23	1:44:A:LEU:HD11	15	0.65
(2,2022)	1:72:A:THR:HG23	1:44:A:LEU:HD12	15	0.65
(2,2022)	1:72:A:THR:HG23	1:44:A:LEU:HD13	15	0.65
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB1	6	0.65
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB2	6	0.65
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB3	6	0.65
(2,1826)	1:162:A:LYS:H	1:163:A:GLN:HG2	6	0.65
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG21	6	0.65
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG22	6	0.65
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG23	6	0.65
(2,1659)	1:34:A:HIS:HB2	1:38:A:LYS:HE3	5	0.65
(2,1624)	1:24:A:LYS:H	1:25:A:GLN:HG2	11	0.65
(2,1577)	1:25:A:GLN:HB3	1:22:A:ILE:HA	9	0.65
(2,1429)	1:55:A:PRO:HB2	1:15:A:THR:HB	5	0.65
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD21	19	0.65
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD22	19	0.65
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD23	19	0.65
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD21	19	0.65
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD22	19	0.65
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD23	19	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD21	19	0.65
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD22	19	0.65
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD23	19	0.65
(2,1165)	1:24:A:LYS:HG2	1:21:A:MET:HA	1	0.65
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG21	5	0.65
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG22	5	0.65
(2,1072)	1:142:A:LEU:HG	1:157:A:VAL:HG23	5	0.65
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD21	4	0.65
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD22	4	0.65
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD23	4	0.65
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD21	4	0.65
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD22	4	0.65
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD23	4	0.65
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD21	4	0.65
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD22	4	0.65
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD23	4	0.65
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG21	9	0.65
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG22	9	0.65
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG23	9	0.65
(2,963)	1:157:A:VAL:HG21	1:142:A:LEU:HG	5	0.65
(2,963)	1:157:A:VAL:HG22	1:142:A:LEU:HG	5	0.65
(2,963)	1:157:A:VAL:HG23	1:142:A:LEU:HG	5	0.65
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD11	20	0.65
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD12	20	0.65
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD13	20	0.65
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD21	17	0.65
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD22	17	0.65
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD23	17	0.65
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD21	15	0.65
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD22	15	0.65
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD23	15	0.65
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD21	18	0.65
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD22	18	0.65
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD23	18	0.65
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD21	20	0.65
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD22	20	0.65
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD23	20	0.65
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE1	4	0.65
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE2	4	0.65
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE1	4	0.65
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE2	4	0.65
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE1	4	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE2	4	0.65
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD1	5	0.65
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD2	5	0.65
(3,648)	1:120:A:TRP:HH2	1:163:A:GLN:H	4	0.64
(3,648)	1:120:A:TRP:HH2	1:163:A:GLN:H	11	0.64
(3,544)	1:112:A:ARG:HG3	1:110:A:GLU:H	17	0.64
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD11	20	0.64
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD12	20	0.64
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD13	20	0.64
(3,64)	1:157:A:VAL:HG11	1:21:A:MET:HA	19	0.64
(3,64)	1:157:A:VAL:HG12	1:21:A:MET:HA	19	0.64
(3,64)	1:157:A:VAL:HG13	1:21:A:MET:HA	19	0.64
(2,5385)	1:170:A:LEU:HD11	1:173:A:ILE:H	17	0.64
(2,5385)	1:170:A:LEU:HD12	1:173:A:ILE:H	17	0.64
(2,5385)	1:170:A:LEU:HD13	1:173:A:ILE:H	17	0.64
(2,5344)	1:171:A:ASP:HB2	1:175:A:ASN:HD22	5	0.64
(2,5310)	1:166:A:GLU:HB3	1:169:A:HIS:H	19	0.64
(2,5284)	1:167:A:GLU:HB3	1:166:A:GLU:H	15	0.64
(2,5190)	1:156:A:ARG:HB3	1:153:A:THR:H	2	0.64
(2,5190)	1:156:A:ARG:HB2	1:153:A:THR:H	2	0.64
(2,5190)	1:156:A:ARG:HB3	1:153:A:THR:H	18	0.64
(2,5190)	1:156:A:ARG:HB2	1:153:A:THR:H	18	0.64
(2,5177)	1:146:A:GLU:HB2	1:151:A:GLU:H	9	0.64
(2,5163)	1:148:A:ARG:HD3	1:148:A:ARG:H	1	0.64
(2,5149)	1:144:A:ILE:HG12	1:145:A:ASP:H	17	0.64
(2,4901)	1:128:A:GLU:HB2	1:98:A:PHE:H	20	0.64
(2,4842)	1:113:A:GLY:HA3	1:79:A:ASN:HD22	12	0.64
(2,4842)	1:113:A:GLY:HA2	1:79:A:ASN:HD22	12	0.64
(2,4806)	1:81:A:LYS:HG2	1:82:A:LEU:H	15	0.64
(2,4784)	1:113:A:GLY:HA2	1:78:A:PHE:H	5	0.64
(2,4596)	1:170:A:LEU:HD11	1:173:A:ILE:H	17	0.64
(2,4596)	1:170:A:LEU:HD12	1:173:A:ILE:H	17	0.64
(2,4596)	1:170:A:LEU:HD13	1:173:A:ILE:H	17	0.64
(2,4442)	1:18:A:ILE:HB	1:20:A:LYS:H	10	0.64
(2,4442)	1:18:A:ILE:HB	1:20:A:LYS:H	11	0.64
(2,4442)	1:18:A:ILE:HB	1:20:A:LYS:H	17	0.64
(2,4107)	1:136:A:ASP:HB2	1:137:A:ASP:H	4	0.64
(2,4107)	1:136:A:ASP:HB2	1:137:A:ASP:H	7	0.64
(2,4107)	1:136:A:ASP:HB2	1:137:A:ASP:H	20	0.64
(2,3967)	1:105:A:ILE:HG21	1:108:A:ILE:H	17	0.64
(2,3967)	1:105:A:ILE:HG22	1:108:A:ILE:H	17	0.64
(2,3967)	1:105:A:ILE:HG23	1:108:A:ILE:H	17	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3806)	1:67:A:ASP:HB2	1:63:A:GLN:H	10	0.64
(2,3783)	1:92:A:GLU:HG3	1:93:A:ASP:H	15	0.64
(2,3650)	1:85:A:LEU:HD11	1:85:A:LEU:H	14	0.64
(2,3650)	1:85:A:LEU:HD12	1:85:A:LEU:H	14	0.64
(2,3650)	1:85:A:LEU:HD13	1:85:A:LEU:H	14	0.64
(2,3541)	1:66:A:TRP:HH2	1:8:A:PHE:HB2	19	0.64
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD11	17	0.64
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD12	17	0.64
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD13	17	0.64
(2,3464)	1:170:A:LEU:HB3	1:165:A:SER:HA	9	0.64
(2,3425)	1:131:A:LYS:HB3	1:131:A:LYS:HE2	17	0.64
(2,3394)	1:159:A:LYS:HE2	1:159:A:LYS:HA	20	0.64
(2,3388)	1:112:A:ARG:HB3	1:78:A:PHE:HA	13	0.64
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD11	8	0.64
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD12	8	0.64
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD13	8	0.64
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD11	4	0.64
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD12	4	0.64
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD13	4	0.64
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD11	14	0.64
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD12	14	0.64
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD13	14	0.64
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD11	20	0.64
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD12	20	0.64
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD13	20	0.64
(2,3176)	1:140:A:VAL:HG11	1:134:A:ALA:HA	6	0.64
(2,3176)	1:140:A:VAL:HG12	1:134:A:ALA:HA	6	0.64
(2,3176)	1:140:A:VAL:HG13	1:134:A:ALA:HA	6	0.64
(2,2983)	1:116:A:ILE:HD11	1:115:A:THR:HA	17	0.64
(2,2983)	1:116:A:ILE:HD12	1:115:A:THR:HA	17	0.64
(2,2983)	1:116:A:ILE:HD13	1:115:A:THR:HA	17	0.64
(2,2962)	1:109:A:ILE:HA	1:112:A:ARG:HD3	4	0.64
(2,2962)	1:109:A:ILE:HA	1:112:A:ARG:HD3	19	0.64
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG21	13	0.64
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG22	13	0.64
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG23	13	0.64
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD11	7	0.64
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD12	7	0.64
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD13	7	0.64
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD11	7	0.64
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD12	7	0.64
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD13	7	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD11	7	0.64
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD12	7	0.64
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD13	7	0.64
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB1	11	0.64
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB2	11	0.64
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB3	11	0.64
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD11	14	0.64
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD12	14	0.64
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD13	14	0.64
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD11	11	0.64
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD12	11	0.64
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD13	11	0.64
(2,2184)	1:48:A:ASP:HA	1:81:A:LYS:HD2	19	0.64
(2,2173)	1:49:A:ILE:HG12	1:82:A:LEU:HB3	13	0.64
(2,1721)	1:24:A:LYS:HE2	1:28:A:LYS:HB2	3	0.64
(2,1389)	1:16:A:GLU:HG3	1:8:A:PHE:HB2	13	0.64
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD11	2	0.64
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD12	2	0.64
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD13	2	0.64
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD11	2	0.64
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD12	2	0.64
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD13	2	0.64
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD11	2	0.64
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD12	2	0.64
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD13	2	0.64
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD11	2	0.64
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD12	2	0.64
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD13	2	0.64
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD11	2	0.64
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD12	2	0.64
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD13	2	0.64
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD11	2	0.64
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD12	2	0.64
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD13	2	0.64
(2,1222)	1:30:A:VAL:HG11	1:31:A:ALA:HA	7	0.64
(2,1222)	1:30:A:VAL:HG12	1:31:A:ALA:HA	7	0.64
(2,1222)	1:30:A:VAL:HG13	1:31:A:ALA:HA	7	0.64
(2,1222)	1:30:A:VAL:HG11	1:31:A:ALA:HA	20	0.64
(2,1222)	1:30:A:VAL:HG12	1:31:A:ALA:HA	20	0.64
(2,1222)	1:30:A:VAL:HG13	1:31:A:ALA:HA	20	0.64
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD21	1	0.64
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD22	1	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD23	1	0.64
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD21	1	0.64
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD22	1	0.64
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD23	1	0.64
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD21	1	0.64
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD22	1	0.64
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD23	1	0.64
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD21	5	0.64
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD22	5	0.64
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD23	5	0.64
(2,982)	1:157:A:VAL:HG11	1:142:A:LEU:HG	12	0.64
(2,982)	1:157:A:VAL:HG12	1:142:A:LEU:HG	12	0.64
(2,982)	1:157:A:VAL:HG13	1:142:A:LEU:HG	12	0.64
(2,833)	1:21:A:MET:HA	1:24:A:LYS:HG3	7	0.64
(2,833)	1:21:A:MET:HA	1:24:A:LYS:HG2	7	0.64
(2,783)	1:76:A:ILE:HA	1:41:A:LYS:HD2	1	0.64
(2,780)	1:173:A:ILE:HA	1:172:A:GLU:HB2	1	0.64
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD21	9	0.64
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD22	9	0.64
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD23	9	0.64
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD21	6	0.64
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD22	6	0.64
(2,532)	1:84:A:ALA:H	1:51:A:LEU:HD23	6	0.64
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD11	6	0.64
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD12	6	0.64
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD13	6	0.64
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD11	6	0.64
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD12	6	0.64
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD13	6	0.64
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD21	6	0.64
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD22	6	0.64
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD23	6	0.64
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD11	18	0.64
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD12	18	0.64
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD13	18	0.64
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD11	18	0.64
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD12	18	0.64
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD13	18	0.64
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD11	14	0.64
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD12	14	0.64
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD13	14	0.64
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD11	12	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD12	12	0.64
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD13	12	0.64
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE1	6	0.64
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE2	6	0.64
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE1	6	0.64
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE2	6	0.64
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE1	6	0.64
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE2	6	0.64
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE1	18	0.64
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE2	18	0.64
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE1	18	0.64
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE2	18	0.64
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE1	18	0.64
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE2	18	0.64
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD1	6	0.64
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD2	6	0.64
(3,609)	1:157:A:VAL:HG11	1:144:A:ILE:H	15	0.63
(3,609)	1:157:A:VAL:HG12	1:144:A:ILE:H	15	0.63
(3,609)	1:157:A:VAL:HG13	1:144:A:ILE:H	15	0.63
(2,5385)	1:170:A:LEU:HD11	1:173:A:ILE:H	4	0.63
(2,5385)	1:170:A:LEU:HD12	1:173:A:ILE:H	4	0.63
(2,5385)	1:170:A:LEU:HD13	1:173:A:ILE:H	4	0.63
(2,5238)	1:25:A:GLN:HE22	1:160:A:TRP:H	16	0.63
(2,5190)	1:156:A:ARG:HB3	1:153:A:THR:H	4	0.63
(2,5190)	1:156:A:ARG:HB2	1:153:A:THR:H	4	0.63
(2,5078)	1:140:A:VAL:HB	1:134:A:ALA:H	6	0.63
(2,5077)	1:133:A:LEU:HD11	1:134:A:ALA:H	14	0.63
(2,5077)	1:133:A:LEU:HD12	1:134:A:ALA:H	14	0.63
(2,5077)	1:133:A:LEU:HD13	1:134:A:ALA:H	14	0.63
(2,5075)	1:140:A:VAL:HB	1:134:A:ALA:H	6	0.63
(2,5072)	1:130:A:SER:HB2	1:133:A:LEU:H	20	0.63
(2,4982)	1:112:A:ARG:HD2	1:113:A:GLY:H	18	0.63
(2,4879)	1:91:A:GLN:HG2	1:95:A:ALA:H	18	0.63
(2,4806)	1:81:A:LYS:HG2	1:82:A:LEU:H	1	0.63
(2,4596)	1:170:A:LEU:HD11	1:173:A:ILE:H	4	0.63
(2,4596)	1:170:A:LEU:HD12	1:173:A:ILE:H	4	0.63
(2,4596)	1:170:A:LEU:HD13	1:173:A:ILE:H	4	0.63
(2,4515)	1:26:A:LEU:HD11	1:31:A:ALA:H	4	0.63
(2,4515)	1:26:A:LEU:HD12	1:31:A:ALA:H	4	0.63
(2,4515)	1:26:A:LEU:HD13	1:31:A:ALA:H	4	0.63
(2,4515)	1:26:A:LEU:HD11	1:31:A:ALA:H	18	0.63
(2,4515)	1:26:A:LEU:HD12	1:31:A:ALA:H	18	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4515)	1:26:A:LEU:HD13	1:31:A:ALA:H	18	0.63
(2,4491)	1:161:A:VAL:HG21	1:26:A:LEU:H	19	0.63
(2,4491)	1:161:A:VAL:HG22	1:26:A:LEU:H	19	0.63
(2,4491)	1:161:A:VAL:HG23	1:26:A:LEU:H	19	0.63
(2,4442)	1:18:A:ILE:HB	1:20:A:LYS:H	1	0.63
(2,4427)	1:18:A:ILE:HD11	1:17:A:ASN:HD21	4	0.63
(2,4427)	1:18:A:ILE:HD12	1:17:A:ASN:HD21	4	0.63
(2,4427)	1:18:A:ILE:HD13	1:17:A:ASN:HD21	4	0.63
(2,4107)	1:136:A:ASP:HB2	1:137:A:ASP:H	16	0.63
(2,3965)	1:111:A:PRO:HD2	1:108:A:ILE:H	2	0.63
(2,3877)	1:172:A:GLU:HG2	1:172:A:GLU:H	8	0.63
(2,3828)	1:151:A:GLU:HG2	1:152:A:LEU:H	9	0.63
(2,3684)	1:158:A:GLU:HA	1:162:A:LYS:H	19	0.63
(2,3650)	1:85:A:LEU:HD11	1:85:A:LEU:H	5	0.63
(2,3650)	1:85:A:LEU:HD12	1:85:A:LEU:H	5	0.63
(2,3650)	1:85:A:LEU:HD13	1:85:A:LEU:H	5	0.63
(2,3650)	1:85:A:LEU:HD11	1:85:A:LEU:H	11	0.63
(2,3650)	1:85:A:LEU:HD12	1:85:A:LEU:H	11	0.63
(2,3650)	1:85:A:LEU:HD13	1:85:A:LEU:H	11	0.63
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD11	4	0.63
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD12	4	0.63
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD13	4	0.63
(2,3464)	1:170:A:LEU:HB3	1:165:A:SER:HA	8	0.63
(2,3464)	1:170:A:LEU:HB3	1:165:A:SER:HA	10	0.63
(2,3464)	1:170:A:LEU:HB3	1:165:A:SER:HA	15	0.63
(2,3388)	1:112:A:ARG:HB3	1:78:A:PHE:HA	11	0.63
(2,3294)	1:151:A:GLU:HG3	1:150:A:PRO:HA	6	0.63
(2,3294)	1:151:A:GLU:HG3	1:150:A:PRO:HA	8	0.63
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB2	5	0.63
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB3	5	0.63
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB2	10	0.63
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB3	10	0.63
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG21	20	0.63
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG22	20	0.63
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG23	20	0.63
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG21	20	0.63
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG22	20	0.63
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG23	20	0.63
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG21	20	0.63
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG22	20	0.63
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG23	20	0.63
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD11	14	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD12	14	0.63
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD13	14	0.63
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD11	19	0.63
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD12	19	0.63
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD13	19	0.63
(2,2983)	1:116:A:ILE:HD11	1:115:A:THR:HA	16	0.63
(2,2983)	1:116:A:ILE:HD12	1:115:A:THR:HA	16	0.63
(2,2983)	1:116:A:ILE:HD13	1:115:A:THR:HA	16	0.63
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG21	10	0.63
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG22	10	0.63
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG23	10	0.63
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB1	8	0.63
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB2	8	0.63
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB3	8	0.63
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG21	13	0.63
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG22	13	0.63
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG23	13	0.63
(2,2460)	1:162:A:LYS:HE2	1:158:A:GLU:HG3	9	0.63
(2,2460)	1:162:A:LYS:HE2	1:158:A:GLU:HG3	20	0.63
(2,2457)	1:162:A:LYS:HA	1:166:A:GLU:HG2	5	0.63
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD11	20	0.63
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD12	20	0.63
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD13	20	0.63
(2,2173)	1:49:A:ILE:HG12	1:82:A:LEU:HB3	2	0.63
(2,2046)	1:77:A:ASP:HB3	1:45:A:GLU:HA	3	0.63
(2,2026)	1:43:A:ASP:HB3	1:44:A:LEU:HD11	12	0.63
(2,2026)	1:43:A:ASP:HB3	1:44:A:LEU:HD12	12	0.63
(2,2026)	1:43:A:ASP:HB3	1:44:A:LEU:HD13	12	0.63
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB1	9	0.63
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB2	9	0.63
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB3	9	0.63
(2,1826)	1:162:A:LYS:H	1:163:A:GLN:HG2	10	0.63
(2,1686)	1:170:A:LEU:HD11	1:26:A:LEU:HG	17	0.63
(2,1686)	1:170:A:LEU:HD12	1:26:A:LEU:HG	17	0.63
(2,1686)	1:170:A:LEU:HD13	1:26:A:LEU:HG	17	0.63
(2,1315)	1:51:A:LEU:HD21	1:4:A:THR:HB	16	0.63
(2,1315)	1:51:A:LEU:HD22	1:4:A:THR:HB	16	0.63
(2,1315)	1:51:A:LEU:HD23	1:4:A:THR:HB	16	0.63
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD11	1	0.63
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD12	1	0.63
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD13	1	0.63
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD11	11	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD12	11	0.63
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD13	11	0.63
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD11	11	0.63
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD12	11	0.63
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD13	11	0.63
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD11	11	0.63
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD12	11	0.63
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD13	11	0.63
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD11	11	0.63
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD12	11	0.63
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD13	11	0.63
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD11	11	0.63
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD12	11	0.63
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD13	11	0.63
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD11	11	0.63
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD12	11	0.63
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD13	11	0.63
(2,1222)	1:30:A:VAL:HG11	1:31:A:ALA:HA	17	0.63
(2,1222)	1:30:A:VAL:HG12	1:31:A:ALA:HA	17	0.63
(2,1222)	1:30:A:VAL:HG13	1:31:A:ALA:HA	17	0.63
(2,1119)	1:117:A:VAL:HG11	1:164:A:ILE:HA	10	0.63
(2,1119)	1:117:A:VAL:HG12	1:164:A:ILE:HA	10	0.63
(2,1119)	1:117:A:VAL:HG13	1:164:A:ILE:HA	10	0.63
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD21	17	0.63
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD22	17	0.63
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD23	17	0.63
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD21	17	0.63
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD22	17	0.63
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD23	17	0.63
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD21	17	0.63
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD22	17	0.63
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD23	17	0.63
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG21	12	0.63
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG22	12	0.63
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG23	12	0.63
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD11	4	0.63
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD12	4	0.63
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD13	4	0.63
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD11	4	0.63
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD12	4	0.63
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD13	4	0.63
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD11	4	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD12	4	0.63
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD13	4	0.63
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG11	10	0.63
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG12	10	0.63
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG13	10	0.63
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD21	16	0.63
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD22	16	0.63
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD23	16	0.63
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD11	18	0.63
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD12	18	0.63
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD13	18	0.63
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD11	18	0.63
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD12	18	0.63
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD13	18	0.63
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD21	12	0.63
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD22	12	0.63
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD23	12	0.63
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD11	18	0.63
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD12	18	0.63
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD13	18	0.63
(2,480)	1:84:A:ALA:H	1:51:A:LEU:HD11	18	0.63
(2,480)	1:84:A:ALA:H	1:51:A:LEU:HD12	18	0.63
(2,480)	1:84:A:ALA:H	1:51:A:LEU:HD13	18	0.63
(2,437)	1:134:A:ALA:H	1:140:A:VAL:HB	6	0.63
(2,416)	1:172:A:GLU:H	1:172:A:GLU:HG2	8	0.63
(2,408)	1:17:A:ASN:HD21	1:17:A:ASN:HB2	3	0.63
(3,685)	1:20:A:LYS:HG2	1:23:A:GLN:HE21	19	0.62
(2,5385)	1:170:A:LEU:HD11	1:173:A:ILE:H	20	0.62
(2,5385)	1:170:A:LEU:HD12	1:173:A:ILE:H	20	0.62
(2,5385)	1:170:A:LEU:HD13	1:173:A:ILE:H	20	0.62
(2,5371)	1:28:A:LYS:HD2	1:23:A:GLN:HE21	17	0.62
(2,5344)	1:171:A:ASP:HB2	1:175:A:ASN:HD22	2	0.62
(2,5078)	1:140:A:VAL:HB	1:134:A:ALA:H	13	0.62
(2,5075)	1:140:A:VAL:HB	1:134:A:ALA:H	13	0.62
(2,4880)	1:96:A:GLU:HG2	1:95:A:ALA:H	14	0.62
(2,4722)	1:65:A:ASP:HB2	1:66:A:TRP:H	9	0.62
(2,4639)	1:82:A:LEU:HB3	1:49:A:ILE:H	15	0.62
(2,4596)	1:170:A:LEU:HD11	1:173:A:ILE:H	20	0.62
(2,4596)	1:170:A:LEU:HD12	1:173:A:ILE:H	20	0.62
(2,4596)	1:170:A:LEU:HD13	1:173:A:ILE:H	20	0.62
(2,4180)	1:102:A:LEU:HD11	1:87:A:GLY:H	2	0.62
(2,4180)	1:102:A:LEU:HD12	1:87:A:GLY:H	2	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4180)	1:102:A:LEU:HD13	1:87:A:GLY:H	2	0.62
(2,4107)	1:136:A:ASP:HB2	1:137:A:ASP:H	1	0.62
(2,4107)	1:136:A:ASP:HB2	1:137:A:ASP:H	15	0.62
(2,4098)	1:45:A:GLU:HG2	1:45:A:GLU:H	20	0.62
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	19	0.62
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	19	0.62
(2,3823)	1:68:A:ASP:HB2	1:69:A:PHE:H	14	0.62
(2,3806)	1:67:A:ASP:HB2	1:63:A:GLN:H	17	0.62
(2,3512)	1:166:A:GLU:HB3	1:171:A:ASP:HB2	12	0.62
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD11	6	0.62
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD12	6	0.62
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD13	6	0.62
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD11	20	0.62
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD12	20	0.62
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD13	20	0.62
(2,3492)	1:172:A:GLU:HB2	1:169:A:HIS:HB2	8	0.62
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG11	2	0.62
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG12	2	0.62
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG13	2	0.62
(2,3093)	1:125:A:TYR:HD1	1:126:A:HIS:HB2	5	0.62
(2,3093)	1:125:A:TYR:HD2	1:126:A:HIS:HB2	5	0.62
(2,3059)	1:120:A:TRP:H	1:121:A:PRO:HD3	19	0.62
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG21	4	0.62
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG22	4	0.62
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG23	4	0.62
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG21	4	0.62
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG22	4	0.62
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG23	4	0.62
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG21	4	0.62
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG22	4	0.62
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG23	4	0.62
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG21	5	0.62
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG22	5	0.62
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG23	5	0.62
(2,2983)	1:116:A:ILE:HD11	1:115:A:THR:HA	9	0.62
(2,2983)	1:116:A:ILE:HD12	1:115:A:THR:HA	9	0.62
(2,2983)	1:116:A:ILE:HD13	1:115:A:THR:HA	9	0.62
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG21	7	0.62
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG22	7	0.62
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG23	7	0.62
(2,2844)	1:116:A:ILE:HG12	1:106:A:ARG:HD2	9	0.62
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD21	17	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD22	17	0.62
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD23	17	0.62
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB1	1	0.62
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB2	1	0.62
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB3	1	0.62
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB1	2	0.62
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB2	2	0.62
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB3	2	0.62
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD11	8	0.62
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD12	8	0.62
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD13	8	0.62
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD11	11	0.62
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD12	11	0.62
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD13	11	0.62
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD11	17	0.62
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD12	17	0.62
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD13	17	0.62
(2,2600)	1:51:A:LEU:HD11	1:84:A:ALA:HB1	18	0.62
(2,2600)	1:51:A:LEU:HD11	1:84:A:ALA:HB2	18	0.62
(2,2600)	1:51:A:LEU:HD11	1:84:A:ALA:HB3	18	0.62
(2,2600)	1:51:A:LEU:HD12	1:84:A:ALA:HB1	18	0.62
(2,2600)	1:51:A:LEU:HD12	1:84:A:ALA:HB2	18	0.62
(2,2600)	1:51:A:LEU:HD12	1:84:A:ALA:HB3	18	0.62
(2,2600)	1:51:A:LEU:HD13	1:84:A:ALA:HB1	18	0.62
(2,2600)	1:51:A:LEU:HD13	1:84:A:ALA:HB2	18	0.62
(2,2600)	1:51:A:LEU:HD13	1:84:A:ALA:HB3	18	0.62
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD21	5	0.62
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD22	5	0.62
(2,2572)	1:26:A:LEU:HB2	1:174:A:LEU:HD23	5	0.62
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD11	17	0.62
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD12	17	0.62
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD13	17	0.62
(2,2479)	1:30:A:VAL:HG11	1:173:A:ILE:HB	20	0.62
(2,2479)	1:30:A:VAL:HG12	1:173:A:ILE:HB	20	0.62
(2,2479)	1:30:A:VAL:HG13	1:173:A:ILE:HB	20	0.62
(2,2455)	1:72:A:THR:HA	1:75:A:GLU:HG2	5	0.62
(2,2150)	1:84:A:ALA:HB1	1:51:A:LEU:HD11	18	0.62
(2,2150)	1:84:A:ALA:HB1	1:51:A:LEU:HD12	18	0.62
(2,2150)	1:84:A:ALA:HB1	1:51:A:LEU:HD13	18	0.62
(2,2150)	1:84:A:ALA:HB2	1:51:A:LEU:HD11	18	0.62
(2,2150)	1:84:A:ALA:HB2	1:51:A:LEU:HD12	18	0.62
(2,2150)	1:84:A:ALA:HB2	1:51:A:LEU:HD13	18	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2150)	1:84:A:ALA:HB3	1:51:A:LEU:HD11	18	0.62
(2,2150)	1:84:A:ALA:HB3	1:51:A:LEU:HD12	18	0.62
(2,2150)	1:84:A:ALA:HB3	1:51:A:LEU:HD13	18	0.62
(2,2130)	1:120:A:TRP:HH2	1:159:A:LYS:HG2	1	0.62
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD21	7	0.62
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD22	7	0.62
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD23	7	0.62
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD21	7	0.62
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD22	7	0.62
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD23	7	0.62
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD21	7	0.62
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD22	7	0.62
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD23	7	0.62
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB1	1	0.62
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB2	1	0.62
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB3	1	0.62
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD11	8	0.62
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD12	8	0.62
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD13	8	0.62
(2,1689)	1:30:A:VAL:HG11	1:26:A:LEU:HG	17	0.62
(2,1689)	1:30:A:VAL:HG12	1:26:A:LEU:HG	17	0.62
(2,1689)	1:30:A:VAL:HG13	1:26:A:LEU:HG	17	0.62
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG11	12	0.62
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG12	12	0.62
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG13	12	0.62
(2,1526)	1:33:A:VAL:HB	1:20:A:LYS:HG3	19	0.62
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG11	20	0.62
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG12	20	0.62
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG13	20	0.62
(2,1180)	1:68:A:ASP:HB2	1:65:A:ASP:HA	16	0.62
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG21	4	0.62
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG22	4	0.62
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG23	4	0.62
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG21	12	0.62
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG22	12	0.62
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG23	12	0.62
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG11	6	0.62
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG12	6	0.62
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG13	6	0.62
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD11	2	0.62
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD12	2	0.62
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD13	2	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD11	2	0.62
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD12	2	0.62
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD13	2	0.62
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD21	7	0.62
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD22	7	0.62
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD23	7	0.62
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD21	14	0.62
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD22	14	0.62
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD23	14	0.62
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD11	5	0.62
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD12	5	0.62
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD13	5	0.62
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD11	16	0.62
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD12	16	0.62
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD13	16	0.62
(2,437)	1:134:A:ALA:H	1:140:A:VAL:HB	13	0.62
(2,96)	1:159:A:LYS:HB2	1:120:A:TRP:HZ2	2	0.62
(2,47)	1:94:A:TYR:HD1	2:201:A:FMN:H6	16	0.62
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD22	16	0.61
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD21	16	0.61
(3,310)	1:18:A:ILE:HG12	1:55:A:PRO:HD3	5	0.61
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD11	9	0.61
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD12	9	0.61
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD13	9	0.61
(3,35)	1:158:A:GLU:H	1:120:A:TRP:HZ2	11	0.61
(2,5355)	1:142:A:LEU:HD11	1:120:A:TRP:HE1	3	0.61
(2,5355)	1:142:A:LEU:HD12	1:120:A:TRP:HE1	3	0.61
(2,5355)	1:142:A:LEU:HD13	1:120:A:TRP:HE1	3	0.61
(2,5148)	1:156:A:ARG:HG2	1:145:A:ASP:H	3	0.61
(2,5100)	1:133:A:LEU:HB2	1:138:A:HIS:H	11	0.61
(2,5069)	1:130:A:SER:HB3	1:133:A:LEU:H	7	0.61
(2,4981)	1:111:A:PRO:HG2	1:112:A:ARG:HE	1	0.61
(2,4951)	1:108:A:ILE:HG12	1:107:A:ASP:H	2	0.61
(2,4880)	1:96:A:GLU:HG2	1:95:A:ALA:H	2	0.61
(2,4880)	1:96:A:GLU:HG2	1:95:A:ALA:H	3	0.61
(2,4806)	1:81:A:LYS:HG2	1:82:A:LEU:H	4	0.61
(2,4768)	1:76:A:ILE:HG12	1:75:A:GLU:H	20	0.61
(2,4739)	1:66:A:TRP:HB3	1:70:A:PHE:H	9	0.61
(2,4491)	1:161:A:VAL:HG21	1:26:A:LEU:H	16	0.61
(2,4491)	1:161:A:VAL:HG22	1:26:A:LEU:H	16	0.61
(2,4491)	1:161:A:VAL:HG23	1:26:A:LEU:H	16	0.61
(2,4107)	1:136:A:ASP:HB2	1:137:A:ASP:H	18	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4101)	1:41:A:LYS:HG2	1:45:A:GLU:H	11	0.61
(2,4073)	1:111:A:PRO:HD3	1:112:A:ARG:H	17	0.61
(2,3997)	1:30:A:VAL:HG11	1:3:A:ILE:H	18	0.61
(2,3997)	1:30:A:VAL:HG12	1:3:A:ILE:H	18	0.61
(2,3997)	1:30:A:VAL:HG13	1:3:A:ILE:H	18	0.61
(2,3965)	1:111:A:PRO:HD2	1:108:A:ILE:H	9	0.61
(2,3828)	1:151:A:GLU:HG2	1:152:A:LEU:H	4	0.61
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD11	14	0.61
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD12	14	0.61
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD13	14	0.61
(2,3492)	1:172:A:GLU:HB2	1:169:A:HIS:HB2	12	0.61
(2,3491)	1:172:A:GLU:HG2	1:169:A:HIS:HB3	18	0.61
(2,3464)	1:170:A:LEU:HB3	1:165:A:SER:HA	17	0.61
(2,3425)	1:131:A:LYS:HB3	1:131:A:LYS:HE2	15	0.61
(2,3294)	1:151:A:GLU:HG3	1:150:A:PRO:HA	16	0.61
(2,3259)	1:41:A:LYS:HG3	1:42:A:GLU:HG3	19	0.61
(2,3129)	1:133:A:LEU:H	1:130:A:SER:HB3	7	0.61
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG3	2	0.61
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG2	2	0.61
(2,2891)	1:112:A:ARG:HD2	1:109:A:ILE:HA	20	0.61
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB1	10	0.61
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB2	10	0.61
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB3	10	0.61
(2,2664)	1:93:A:ASP:HB3	1:92:A:GLU:HA	7	0.61
(2,2625)	1:142:A:LEU:HG	1:86:A:PHE:HB3	19	0.61
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD11	2	0.61
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD12	2	0.61
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD13	2	0.61
(2,2458)	1:169:A:HIS:HB3	1:172:A:GLU:HG2	18	0.61
(2,2202)	1:161:A:VAL:HG21	1:51:A:LEU:HD21	10	0.61
(2,2202)	1:161:A:VAL:HG21	1:51:A:LEU:HD22	10	0.61
(2,2202)	1:161:A:VAL:HG21	1:51:A:LEU:HD23	10	0.61
(2,2202)	1:161:A:VAL:HG22	1:51:A:LEU:HD21	10	0.61
(2,2202)	1:161:A:VAL:HG22	1:51:A:LEU:HD22	10	0.61
(2,2202)	1:161:A:VAL:HG22	1:51:A:LEU:HD23	10	0.61
(2,2202)	1:161:A:VAL:HG23	1:51:A:LEU:HD21	10	0.61
(2,2202)	1:161:A:VAL:HG23	1:51:A:LEU:HD22	10	0.61
(2,2202)	1:161:A:VAL:HG23	1:51:A:LEU:HD23	10	0.61
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG11	20	0.61
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG12	20	0.61
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG13	20	0.61
(2,1717)	1:158:A:GLU:HG2	1:155:A:GLU:HA	3	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1686)	1:170:A:LEU:HD11	1:26:A:LEU:HG	13	0.61
(2,1686)	1:170:A:LEU:HD12	1:26:A:LEU:HG	13	0.61
(2,1686)	1:170:A:LEU:HD13	1:26:A:LEU:HG	13	0.61
(2,1660)	1:25:A:GLN:HE22	1:162:A:LYS:HE2	2	0.61
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG11	10	0.61
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG12	10	0.61
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG13	10	0.61
(2,1526)	1:33:A:VAL:HB	1:20:A:LYS:HG3	14	0.61
(2,1396)	1:133:A:LEU:HD11	1:139:A:PHE:HA	2	0.61
(2,1396)	1:133:A:LEU:HD12	1:139:A:PHE:HA	2	0.61
(2,1396)	1:133:A:LEU:HD13	1:139:A:PHE:HA	2	0.61
(2,1232)	1:158:A:GLU:HA	1:162:A:LYS:HE2	13	0.61
(2,1229)	1:16:A:GLU:HG3	1:20:A:LYS:HE3	16	0.61
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD21	11	0.61
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD22	11	0.61
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD23	11	0.61
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD21	11	0.61
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD22	11	0.61
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD23	11	0.61
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD21	11	0.61
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD22	11	0.61
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD23	11	0.61
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG21	18	0.61
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG22	18	0.61
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG23	18	0.61
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB1	16	0.61
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB2	16	0.61
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB3	16	0.61
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG11	13	0.61
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG12	13	0.61
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG13	13	0.61
(2,816)	1:165:A:SER:HA	1:26:A:LEU:HG	20	0.61
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD11	3	0.61
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD12	3	0.61
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD13	3	0.61
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD11	13	0.61
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD12	13	0.61
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD13	13	0.61
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD11	20	0.61
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD12	20	0.61
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD13	20	0.61
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD11	20	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD12	20	0.61
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD13	20	0.61
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD11	11	0.61
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD12	11	0.61
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD13	11	0.61
(2,171)	1:52:A:LEU:HB2	1:66:A:TRP:HZ2	20	0.61
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE1	19	0.61
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE2	19	0.61
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE1	19	0.61
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE2	19	0.61
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE1	19	0.61
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE2	19	0.61
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD1	14	0.61
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD2	14	0.61
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD1	14	0.61
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD2	14	0.61
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD1	7	0.61
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD2	7	0.61
(3,687)	1:145:A:ASP:HB2	1:91:A:GLN:HE21	15	0.6
(3,569)	1:91:A:GLN:HG2	1:126:A:HIS:H	7	0.6
(3,288)	1:25:A:GLN:HG2	1:161:A:VAL:HA	6	0.6
(3,288)	1:25:A:GLN:HG2	1:161:A:VAL:HA	10	0.6
(3,87)	1:91:A:GLN:HE21	1:145:A:ASP:HB2	15	0.6
(2,5385)	1:170:A:LEU:HD11	1:173:A:ILE:H	1	0.6
(2,5385)	1:170:A:LEU:HD12	1:173:A:ILE:H	1	0.6
(2,5385)	1:170:A:LEU:HD13	1:173:A:ILE:H	1	0.6
(2,5385)	1:170:A:LEU:HD11	1:173:A:ILE:H	13	0.6
(2,5385)	1:170:A:LEU:HD12	1:173:A:ILE:H	13	0.6
(2,5385)	1:170:A:LEU:HD13	1:173:A:ILE:H	13	0.6
(2,5367)	1:87:A:GLY:HA2	1:14:A:ASN:HD22	3	0.6
(2,5300)	1:82:A:LEU:HD21	1:168:A:LEU:H	20	0.6
(2,5300)	1:82:A:LEU:HD22	1:168:A:LEU:H	20	0.6
(2,5300)	1:82:A:LEU:HD23	1:168:A:LEU:H	20	0.6
(2,5210)	1:157:A:VAL:HG11	1:156:A:ARG:H	8	0.6
(2,5210)	1:157:A:VAL:HG12	1:156:A:ARG:H	8	0.6
(2,5210)	1:157:A:VAL:HG13	1:156:A:ARG:H	8	0.6
(2,5077)	1:133:A:LEU:HD11	1:134:A:ALA:H	5	0.6
(2,5077)	1:133:A:LEU:HD12	1:134:A:ALA:H	5	0.6
(2,5077)	1:133:A:LEU:HD13	1:134:A:ALA:H	5	0.6
(2,4951)	1:108:A:ILE:HG12	1:107:A:ASP:H	7	0.6
(2,4784)	1:113:A:GLY:HA2	1:78:A:PHE:H	20	0.6
(2,4768)	1:76:A:ILE:HG12	1:75:A:GLU:H	14	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4739)	1:66:A:TRP:HB3	1:70:A:PHE:H	5	0.6
(2,4634)	1:50:A:LEU:HD11	1:48:A:ASP:H	18	0.6
(2,4634)	1:50:A:LEU:HD12	1:48:A:ASP:H	18	0.6
(2,4634)	1:50:A:LEU:HD13	1:48:A:ASP:H	18	0.6
(2,4596)	1:170:A:LEU:HD11	1:173:A:ILE:H	1	0.6
(2,4596)	1:170:A:LEU:HD12	1:173:A:ILE:H	1	0.6
(2,4596)	1:170:A:LEU:HD13	1:173:A:ILE:H	1	0.6
(2,4596)	1:170:A:LEU:HD11	1:173:A:ILE:H	13	0.6
(2,4596)	1:170:A:LEU:HD12	1:173:A:ILE:H	13	0.6
(2,4596)	1:170:A:LEU:HD13	1:173:A:ILE:H	13	0.6
(2,4585)	1:40:A:SER:HB3	1:42:A:GLU:H	13	0.6
(2,4483)	1:162:A:LYS:HD2	1:25:A:GLN:HE22	10	0.6
(2,4107)	1:136:A:ASP:HB2	1:137:A:ASP:H	8	0.6
(2,4107)	1:136:A:ASP:HB2	1:137:A:ASP:H	9	0.6
(2,4098)	1:45:A:GLU:HG2	1:45:A:GLU:H	13	0.6
(2,4073)	1:111:A:PRO:HD3	1:112:A:ARG:H	15	0.6
(2,4060)	1:133:A:LEU:HD11	1:135:A:ASP:H	20	0.6
(2,4060)	1:133:A:LEU:HD12	1:135:A:ASP:H	20	0.6
(2,4060)	1:133:A:LEU:HD13	1:135:A:ASP:H	20	0.6
(2,4008)	1:148:A:ARG:HB3	1:149:A:GLN:H	2	0.6
(2,3967)	1:105:A:ILE:HG21	1:108:A:ILE:H	6	0.6
(2,3967)	1:105:A:ILE:HG22	1:108:A:ILE:H	6	0.6
(2,3967)	1:105:A:ILE:HG23	1:108:A:ILE:H	6	0.6
(2,3965)	1:111:A:PRO:HD2	1:108:A:ILE:H	12	0.6
(2,3732)	1:165:A:SER:HB3	1:166:A:GLU:H	1	0.6
(2,3732)	1:165:A:SER:HB3	1:166:A:GLU:H	6	0.6
(2,3650)	1:85:A:LEU:HD11	1:85:A:LEU:H	13	0.6
(2,3650)	1:85:A:LEU:HD12	1:85:A:LEU:H	13	0.6
(2,3650)	1:85:A:LEU:HD13	1:85:A:LEU:H	13	0.6
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD11	5	0.6
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD12	5	0.6
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD13	5	0.6
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD11	1	0.6
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD12	1	0.6
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD13	1	0.6
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD11	13	0.6
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD12	13	0.6
(2,3504)	1:173:A:ILE:H	1:170:A:LEU:HD13	13	0.6
(2,3470)	1:163:A:GLN:HA	1:166:A:GLU:HG3	6	0.6
(2,3289)	1:90:A:ASP:HB3	1:149:A:GLN:HA	6	0.6
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD11	2	0.6
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD12	2	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD13	2	0.6
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD11	20	0.6
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD12	20	0.6
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD13	20	0.6
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD11	14	0.6
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD12	14	0.6
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD13	14	0.6
(2,2891)	1:112:A:ARG:HD2	1:109:A:ILE:HA	15	0.6
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB1	7	0.6
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB2	7	0.6
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB3	7	0.6
(2,2457)	1:162:A:LYS:HA	1:166:A:GLU:HG2	16	0.6
(2,2340)	1:142:A:LEU:HD11	1:156:A:ARG:HA	14	0.6
(2,2340)	1:142:A:LEU:HD12	1:156:A:ARG:HA	14	0.6
(2,2340)	1:142:A:LEU:HD13	1:156:A:ARG:HA	14	0.6
(2,2303)	1:54:A:ILE:HG12	1:62:A:ALA:HA	20	0.6
(2,2218)	1:76:A:ILE:HG12	1:41:A:LYS:HG2	10	0.6
(2,2173)	1:49:A:ILE:HG12	1:82:A:LEU:HB3	14	0.6
(2,2009)	1:39:A:SER:HB3	1:43:A:ASP:HB2	14	0.6
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG21	8	0.6
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG22	8	0.6
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG23	8	0.6
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG21	12	0.6
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG22	12	0.6
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG23	12	0.6
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG21	2	0.6
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG22	2	0.6
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG23	2	0.6
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG21	3	0.6
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG22	3	0.6
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG23	3	0.6
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD11	15	0.6
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD12	15	0.6
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD13	15	0.6
(2,1659)	1:34:A:HIS:HB2	1:38:A:LYS:HE3	18	0.6
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD11	18	0.6
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD12	18	0.6
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD13	18	0.6
(2,1327)	1:2:A:ALA:HA	1:30:A:VAL:HG11	20	0.6
(2,1327)	1:2:A:ALA:HA	1:30:A:VAL:HG12	20	0.6
(2,1327)	1:2:A:ALA:HA	1:30:A:VAL:HG13	20	0.6
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD21	9	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD22	9	0.6
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD23	9	0.6
(2,1222)	1:30:A:VAL:HG11	1:31:A:ALA:HA	18	0.6
(2,1222)	1:30:A:VAL:HG12	1:31:A:ALA:HA	18	0.6
(2,1222)	1:30:A:VAL:HG13	1:31:A:ALA:HA	18	0.6
(2,1119)	1:117:A:VAL:HG11	1:164:A:ILE:HA	11	0.6
(2,1119)	1:117:A:VAL:HG12	1:164:A:ILE:HA	11	0.6
(2,1119)	1:117:A:VAL:HG13	1:164:A:ILE:HA	11	0.6
(2,1119)	1:117:A:VAL:HG11	1:164:A:ILE:HA	13	0.6
(2,1119)	1:117:A:VAL:HG12	1:164:A:ILE:HA	13	0.6
(2,1119)	1:117:A:VAL:HG13	1:164:A:ILE:HA	13	0.6
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG11	9	0.6
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG12	9	0.6
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG13	9	0.6
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG11	9	0.6
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG12	9	0.6
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG13	9	0.6
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG11	9	0.6
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG12	9	0.6
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG13	9	0.6
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD21	2	0.6
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD22	2	0.6
(2,1066)	1:164:A:ILE:HD11	1:168:A:LEU:HD23	2	0.6
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD21	2	0.6
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD22	2	0.6
(2,1066)	1:164:A:ILE:HD12	1:168:A:LEU:HD23	2	0.6
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD21	2	0.6
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD22	2	0.6
(2,1066)	1:164:A:ILE:HD13	1:168:A:LEU:HD23	2	0.6
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD21	13	0.6
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD22	13	0.6
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD23	13	0.6
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG11	2	0.6
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG12	2	0.6
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG13	2	0.6
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG11	9	0.6
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG12	9	0.6
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG13	9	0.6
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG11	18	0.6
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG12	18	0.6
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG13	18	0.6
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG21	8	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG22	8	0.6
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG23	8	0.6
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG21	17	0.6
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG22	17	0.6
(2,1002)	1:25:A:GLN:HG2	1:161:A:VAL:HG23	17	0.6
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD11	5	0.6
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD12	5	0.6
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD13	5	0.6
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG11	11	0.6
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG12	11	0.6
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG13	11	0.6
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG11	13	0.6
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG12	13	0.6
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG13	13	0.6
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD11	20	0.6
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD12	20	0.6
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD13	20	0.6
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD11	3	0.6
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD12	3	0.6
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD13	3	0.6
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD11	3	0.6
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD12	3	0.6
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD13	3	0.6
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD21	9	0.6
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD22	9	0.6
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD23	9	0.6
(2,408)	1:17:A:ASN:HD21	1:17:A:ASN:HB2	6	0.6
(2,312)	1:42:A:GLU:H	1:40:A:SER:HB3	13	0.6
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD1	4	0.6
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD2	4	0.6
(2,71)	1:73:A:LEU:HB3	1:69:A:PHE:HD1	15	0.6
(2,71)	1:73:A:LEU:HB3	1:69:A:PHE:HD2	15	0.6
(3,453)	1:41:A:LYS:HD2	1:77:A:ASP:H	11	0.59
(3,59)	1:157:A:VAL:H	1:144:A:ILE:HD11	9	0.59
(3,59)	1:157:A:VAL:H	1:144:A:ILE:HD12	9	0.59
(3,59)	1:157:A:VAL:H	1:144:A:ILE:HD13	9	0.59
(2,5355)	1:142:A:LEU:HD11	1:120:A:TRP:HE1	1	0.59
(2,5355)	1:142:A:LEU:HD12	1:120:A:TRP:HE1	1	0.59
(2,5355)	1:142:A:LEU:HD13	1:120:A:TRP:HE1	1	0.59
(2,5326)	1:170:A:LEU:HD11	1:171:A:ASP:H	1	0.59
(2,5326)	1:170:A:LEU:HD12	1:171:A:ASP:H	1	0.59
(2,5326)	1:170:A:LEU:HD13	1:171:A:ASP:H	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5326)	1:170:A:LEU:HD11	1:171:A:ASP:H	13	0.59
(2,5326)	1:170:A:LEU:HD12	1:171:A:ASP:H	13	0.59
(2,5326)	1:170:A:LEU:HD13	1:171:A:ASP:H	13	0.59
(2,5310)	1:166:A:GLU:HB3	1:169:A:HIS:H	18	0.59
(2,5245)	1:142:A:LEU:HD11	1:160:A:TRP:H	1	0.59
(2,5245)	1:142:A:LEU:HD12	1:160:A:TRP:H	1	0.59
(2,5245)	1:142:A:LEU:HD13	1:160:A:TRP:H	1	0.59
(2,5147)	1:146:A:GLU:HB3	1:145:A:ASP:H	10	0.59
(2,5111)	1:102:A:LEU:HD11	1:140:A:VAL:H	11	0.59
(2,5111)	1:102:A:LEU:HD12	1:140:A:VAL:H	11	0.59
(2,5111)	1:102:A:LEU:HD13	1:140:A:VAL:H	11	0.59
(2,5077)	1:133:A:LEU:HD11	1:134:A:ALA:H	15	0.59
(2,5077)	1:133:A:LEU:HD12	1:134:A:ALA:H	15	0.59
(2,5077)	1:133:A:LEU:HD13	1:134:A:ALA:H	15	0.59
(2,4879)	1:91:A:GLN:HG2	1:95:A:ALA:H	13	0.59
(2,4483)	1:162:A:LYS:HD2	1:25:A:GLN:HE22	7	0.59
(2,4483)	1:162:A:LYS:HD2	1:25:A:GLN:HE22	14	0.59
(2,4483)	1:162:A:LYS:HD2	1:25:A:GLN:HE22	20	0.59
(2,4146)	1:133:A:LEU:HD21	1:130:A:SER:H	2	0.59
(2,4146)	1:133:A:LEU:HD22	1:130:A:SER:H	2	0.59
(2,4146)	1:133:A:LEU:HD23	1:130:A:SER:H	2	0.59
(2,4107)	1:136:A:ASP:HB2	1:137:A:ASP:H	13	0.59
(2,4107)	1:136:A:ASP:HB2	1:137:A:ASP:H	14	0.59
(2,4107)	1:136:A:ASP:HB2	1:137:A:ASP:H	17	0.59
(2,4073)	1:111:A:PRO:HD3	1:112:A:ARG:H	1	0.59
(2,4073)	1:111:A:PRO:HD3	1:112:A:ARG:H	6	0.59
(2,4073)	1:111:A:PRO:HD3	1:112:A:ARG:H	10	0.59
(2,4073)	1:111:A:PRO:HD3	1:112:A:ARG:H	12	0.59
(2,4060)	1:133:A:LEU:HD11	1:135:A:ASP:H	14	0.59
(2,4060)	1:133:A:LEU:HD12	1:135:A:ASP:H	14	0.59
(2,4060)	1:133:A:LEU:HD13	1:135:A:ASP:H	14	0.59
(2,4008)	1:148:A:ARG:HB3	1:149:A:GLN:H	6	0.59
(2,3877)	1:172:A:GLU:HG2	1:172:A:GLU:H	2	0.59
(2,3792)	1:155:A:GLU:HG3	1:156:A:ARG:H	11	0.59
(2,3792)	1:155:A:GLU:HG3	1:156:A:ARG:H	15	0.59
(2,3650)	1:85:A:LEU:HD11	1:85:A:LEU:H	18	0.59
(2,3650)	1:85:A:LEU:HD12	1:85:A:LEU:H	18	0.59
(2,3650)	1:85:A:LEU:HD13	1:85:A:LEU:H	18	0.59
(2,3650)	1:85:A:LEU:HD11	1:85:A:LEU:H	19	0.59
(2,3650)	1:85:A:LEU:HD12	1:85:A:LEU:H	19	0.59
(2,3650)	1:85:A:LEU:HD13	1:85:A:LEU:H	19	0.59
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD11	11	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD12	11	0.59
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD13	11	0.59
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD11	6	0.59
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD12	6	0.59
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD13	6	0.59
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG11	12	0.59
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG12	12	0.59
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG13	12	0.59
(2,3324)	1:157:A:VAL:HG11	1:153:A:THR:HA	5	0.59
(2,3324)	1:157:A:VAL:HG12	1:153:A:THR:HA	5	0.59
(2,3324)	1:157:A:VAL:HG13	1:153:A:THR:HA	5	0.59
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD11	13	0.59
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD12	13	0.59
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD13	13	0.59
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD11	13	0.59
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD12	13	0.59
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD13	13	0.59
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD11	13	0.59
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD12	13	0.59
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD13	13	0.59
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG21	13	0.59
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG22	13	0.59
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG23	13	0.59
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG21	13	0.59
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG22	13	0.59
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG23	13	0.59
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG21	13	0.59
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG22	13	0.59
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG23	13	0.59
(2,3058)	1:160:A:TRP:HD1	1:121:A:PRO:HD3	9	0.59
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG21	17	0.59
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG22	17	0.59
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG23	17	0.59
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD11	11	0.59
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD12	11	0.59
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD13	11	0.59
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB1	6	0.59
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB2	6	0.59
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB3	6	0.59
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD11	1	0.59
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD12	1	0.59
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD13	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD11	9	0.59
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD12	9	0.59
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD13	9	0.59
(2,2460)	1:162:A:LYS:HE2	1:158:A:GLU:HG3	17	0.59
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD21	5	0.59
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD22	5	0.59
(2,2418)	1:169:A:HIS:HA	1:170:A:LEU:HD23	5	0.59
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD11	12	0.59
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD12	12	0.59
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD13	12	0.59
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD11	12	0.59
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD12	12	0.59
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD13	12	0.59
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD11	14	0.59
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD12	14	0.59
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD13	14	0.59
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD11	14	0.59
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD12	14	0.59
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD13	14	0.59
(2,2040)	1:73:A:LEU:HB2	1:44:A:LEU:HD21	13	0.59
(2,2040)	1:73:A:LEU:HB2	1:44:A:LEU:HD22	13	0.59
(2,2040)	1:73:A:LEU:HB2	1:44:A:LEU:HD23	13	0.59
(2,1973)	1:156:A:ARG:H	1:155:A:GLU:HG3	11	0.59
(2,1973)	1:156:A:ARG:H	1:155:A:GLU:HG3	15	0.59
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB1	18	0.59
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB2	18	0.59
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB3	18	0.59
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG21	17	0.59
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG22	17	0.59
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG23	17	0.59
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG21	13	0.59
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG22	13	0.59
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG23	13	0.59
(2,1315)	1:51:A:LEU:HD21	1:4:A:THR:HB	3	0.59
(2,1315)	1:51:A:LEU:HD22	1:4:A:THR:HB	3	0.59
(2,1315)	1:51:A:LEU:HD23	1:4:A:THR:HB	3	0.59
(2,1222)	1:30:A:VAL:HG11	1:31:A:ALA:HA	16	0.59
(2,1222)	1:30:A:VAL:HG12	1:31:A:ALA:HA	16	0.59
(2,1222)	1:30:A:VAL:HG13	1:31:A:ALA:HA	16	0.59
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG11	11	0.59
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG12	11	0.59
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG13	11	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD21	3	0.59
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD22	3	0.59
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD23	3	0.59
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD21	15	0.59
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD22	15	0.59
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD23	15	0.59
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD11	1	0.59
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD12	1	0.59
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD13	1	0.59
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD11	1	0.59
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD12	1	0.59
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD13	1	0.59
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD11	14	0.59
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD12	14	0.59
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD13	14	0.59
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD11	11	0.59
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD12	11	0.59
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD13	11	0.59
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD11	14	0.59
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD12	14	0.59
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD13	14	0.59
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD11	15	0.59
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD12	15	0.59
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD13	15	0.59
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD11	8	0.59
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD12	8	0.59
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD13	8	0.59
(2,416)	1:172:A:GLU:H	1:172:A:GLU:HG2	2	0.59
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD1	13	0.59
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD2	13	0.59
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD1	13	0.59
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD2	13	0.59
(3,609)	1:157:A:VAL:HG11	1:144:A:ILE:H	20	0.58
(3,609)	1:157:A:VAL:HG12	1:144:A:ILE:H	20	0.58
(3,609)	1:157:A:VAL:HG13	1:144:A:ILE:H	20	0.58
(3,491)	1:91:A:GLN:HG2	1:94:A:TYR:H	4	0.58
(2,5355)	1:142:A:LEU:HD11	1:120:A:TRP:HE1	9	0.58
(2,5355)	1:142:A:LEU:HD12	1:120:A:TRP:HE1	9	0.58
(2,5355)	1:142:A:LEU:HD13	1:120:A:TRP:HE1	9	0.58
(2,5285)	1:164:A:ILE:HG12	1:166:A:GLU:H	4	0.58
(2,5147)	1:146:A:GLU:HB3	1:145:A:ASP:H	3	0.58
(2,4768)	1:76:A:ILE:HG12	1:75:A:GLU:H	2	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4708)	1:61:A:GLU:HB2	1:63:A:GLN:H	16	0.58
(2,4610)	1:45:A:GLU:HG3	1:45:A:GLU:H	10	0.58
(2,4515)	1:26:A:LEU:HD11	1:31:A:ALA:H	7	0.58
(2,4515)	1:26:A:LEU:HD12	1:31:A:ALA:H	7	0.58
(2,4515)	1:26:A:LEU:HD13	1:31:A:ALA:H	7	0.58
(2,4358)	1:50:A:LEU:HD11	1:5:A:GLY:H	12	0.58
(2,4358)	1:50:A:LEU:HD12	1:5:A:GLY:H	12	0.58
(2,4358)	1:50:A:LEU:HD13	1:5:A:GLY:H	12	0.58
(2,4107)	1:136:A:ASP:HB2	1:137:A:ASP:H	5	0.58
(2,4107)	1:136:A:ASP:HB2	1:137:A:ASP:H	10	0.58
(2,4073)	1:111:A:PRO:HD3	1:112:A:ARG:H	3	0.58
(2,4073)	1:111:A:PRO:HD3	1:112:A:ARG:H	4	0.58
(2,4073)	1:111:A:PRO:HD3	1:112:A:ARG:H	20	0.58
(2,4071)	1:112:A:ARG:HD2	1:112:A:ARG:H	4	0.58
(2,4071)	1:112:A:ARG:HD2	1:112:A:ARG:H	19	0.58
(2,3902)	1:158:A:GLU:HB3	1:159:A:LYS:H	2	0.58
(2,3877)	1:172:A:GLU:HG2	1:172:A:GLU:H	18	0.58
(2,3870)	1:81:A:LYS:HG3	1:81:A:LYS:H	3	0.58
(2,3870)	1:81:A:LYS:HG3	1:81:A:LYS:H	4	0.58
(2,3853)	1:44:A:LEU:HD11	1:43:A:ASP:H	14	0.58
(2,3853)	1:44:A:LEU:HD12	1:43:A:ASP:H	14	0.58
(2,3853)	1:44:A:LEU:HD13	1:43:A:ASP:H	14	0.58
(2,3738)	1:6:A:ILE:HD11	1:22:A:ILE:H	10	0.58
(2,3738)	1:6:A:ILE:HD12	1:22:A:ILE:H	10	0.58
(2,3738)	1:6:A:ILE:HD13	1:22:A:ILE:H	10	0.58
(2,3732)	1:165:A:SER:HB3	1:166:A:GLU:H	5	0.58
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD11	3	0.58
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD12	3	0.58
(2,3505)	1:169:A:HIS:HA	1:170:A:LEU:HD13	3	0.58
(2,3464)	1:170:A:LEU:HB3	1:165:A:SER:HA	18	0.58
(2,3463)	1:170:A:LEU:HD11	1:165:A:SER:HB2	15	0.58
(2,3463)	1:170:A:LEU:HD12	1:165:A:SER:HB2	15	0.58
(2,3463)	1:170:A:LEU:HD13	1:165:A:SER:HB2	15	0.58
(2,3394)	1:159:A:LYS:HE2	1:159:A:LYS:HA	7	0.58
(2,3388)	1:112:A:ARG:HB3	1:78:A:PHE:HA	6	0.58
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD11	17	0.58
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD12	17	0.58
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD13	17	0.58
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD11	17	0.58
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD12	17	0.58
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD13	17	0.58
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD11	19	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD12	19	0.58
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD13	19	0.58
(2,3217)	1:106:A:ARG:HB2	1:140:A:VAL:HG21	1	0.58
(2,3217)	1:106:A:ARG:HB2	1:140:A:VAL:HG22	1	0.58
(2,3217)	1:106:A:ARG:HB2	1:140:A:VAL:HG23	1	0.58
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB2	14	0.58
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB3	14	0.58
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG21	19	0.58
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG22	19	0.58
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG23	19	0.58
(2,2985)	1:163:A:GLN:HG2	1:160:A:TRP:HA	2	0.58
(2,2944)	1:110:A:GLU:HB2	1:111:A:PRO:HD2	1	0.58
(2,2888)	1:74:A:GLU:HA	1:108:A:ILE:HG21	15	0.58
(2,2888)	1:74:A:GLU:HA	1:108:A:ILE:HG22	15	0.58
(2,2888)	1:74:A:GLU:HA	1:108:A:ILE:HG23	15	0.58
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD11	7	0.58
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD12	7	0.58
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD13	7	0.58
(2,2531)	1:50:A:LEU:HD21	1:81:A:LYS:HD2	12	0.58
(2,2531)	1:50:A:LEU:HD22	1:81:A:LYS:HD2	12	0.58
(2,2531)	1:50:A:LEU:HD23	1:81:A:LYS:HD2	12	0.58
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD11	19	0.58
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD12	19	0.58
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD13	19	0.58
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD11	1	0.58
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD12	1	0.58
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD13	1	0.58
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD11	1	0.58
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD12	1	0.58
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD13	1	0.58
(2,2173)	1:49:A:ILE:HG12	1:82:A:LEU:HB3	9	0.58
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG21	12	0.58
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG22	12	0.58
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG23	12	0.58
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB1	12	0.58
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB2	12	0.58
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB3	12	0.58
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD11	2	0.58
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD12	2	0.58
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD13	2	0.58
(2,1972)	1:159:A:LYS:H	1:158:A:GLU:HG2	12	0.58
(2,1972)	1:159:A:LYS:H	1:158:A:GLU:HG2	19	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG11	17	0.58
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG12	17	0.58
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG13	17	0.58
(2,1688)	1:31:A:ALA:HB1	1:26:A:LEU:HG	5	0.58
(2,1688)	1:31:A:ALA:HB2	1:26:A:LEU:HG	5	0.58
(2,1688)	1:31:A:ALA:HB3	1:26:A:LEU:HG	5	0.58
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB2	5	0.58
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB2	5	0.58
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB2	5	0.58
(2,1685)	1:174:A:LEU:HD11	1:26:A:LEU:HB3	5	0.58
(2,1685)	1:174:A:LEU:HD12	1:26:A:LEU:HB3	5	0.58
(2,1685)	1:174:A:LEU:HD13	1:26:A:LEU:HB3	5	0.58
(2,1651)	1:84:A:ALA:H	1:51:A:LEU:HG	10	0.58
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG11	2	0.58
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG12	2	0.58
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG13	2	0.58
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD11	17	0.58
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD12	17	0.58
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD13	17	0.58
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG21	15	0.58
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG22	15	0.58
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG23	15	0.58
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD21	12	0.58
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD22	12	0.58
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD23	12	0.58
(2,1119)	1:117:A:VAL:HG11	1:164:A:ILE:HA	4	0.58
(2,1119)	1:117:A:VAL:HG12	1:164:A:ILE:HA	4	0.58
(2,1119)	1:117:A:VAL:HG13	1:164:A:ILE:HA	4	0.58
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG11	4	0.58
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG12	4	0.58
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG13	4	0.58
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD11	9	0.58
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD12	9	0.58
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD13	9	0.58
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD11	6	0.58
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD12	6	0.58
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD13	6	0.58
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD11	6	0.58
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD12	6	0.58
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD13	6	0.58
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD21	4	0.58
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD22	4	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD23	4	0.58
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD21	4	0.58
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD22	4	0.58
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD23	4	0.58
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD11	4	0.58
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD12	4	0.58
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD13	4	0.58
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD11	9	0.58
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD12	9	0.58
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD13	9	0.58
(2,416)	1:172:A:GLU:H	1:172:A:GLU:HG2	18	0.58
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE1	20	0.58
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE2	20	0.58
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE1	20	0.58
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE2	20	0.58
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE1	20	0.58
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE2	20	0.58
(2,96)	1:159:A:LYS:HB2	1:120:A:TRP:HZ2	1	0.58
(3,688)	1:92:A:GLU:HB3	1:91:A:GLN:HE21	13	0.57
(3,533)	1:103:A:GLY:HA3	1:106:A:ARG:HE	8	0.57
(3,522)	1:108:A:ILE:HG12	1:105:A:ILE:H	3	0.57
(2,5197)	1:155:A:GLU:HG2	1:154:A:ALA:H	15	0.57
(2,4998)	1:116:A:ILE:HD11	1:115:A:THR:H	14	0.57
(2,4998)	1:116:A:ILE:HD12	1:115:A:THR:H	14	0.57
(2,4998)	1:116:A:ILE:HD13	1:115:A:THR:H	14	0.57
(2,4951)	1:108:A:ILE:HG12	1:107:A:ASP:H	6	0.57
(2,4866)	1:91:A:GLN:HG3	1:93:A:ASP:H	6	0.57
(2,4768)	1:76:A:ILE:HG12	1:75:A:GLU:H	18	0.57
(2,4742)	1:73:A:LEU:HD11	1:70:A:PHE:H	5	0.57
(2,4742)	1:73:A:LEU:HD12	1:70:A:PHE:H	5	0.57
(2,4742)	1:73:A:LEU:HD13	1:70:A:PHE:H	5	0.57
(2,4722)	1:65:A:ASP:HB2	1:66:A:TRP:H	5	0.57
(2,4705)	1:61:A:GLU:HG3	1:62:A:ALA:H	20	0.57
(2,4698)	1:101:A:ALA:H	1:61:A:GLU:H	9	0.57
(2,4515)	1:26:A:LEU:HD11	1:31:A:ALA:H	20	0.57
(2,4515)	1:26:A:LEU:HD12	1:31:A:ALA:H	20	0.57
(2,4515)	1:26:A:LEU:HD13	1:31:A:ALA:H	20	0.57
(2,4486)	1:162:A:LYS:HG3	1:25:A:GLN:HE21	2	0.57
(2,4486)	1:162:A:LYS:HG3	1:25:A:GLN:HE21	15	0.57
(2,4483)	1:162:A:LYS:HD2	1:25:A:GLN:HE22	2	0.57
(2,4483)	1:162:A:LYS:HD2	1:25:A:GLN:HE22	9	0.57
(2,4113)	1:167:A:GLU:HA	1:169:A:HIS:H	4	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4113)	1:167:A:GLU:HA	1:169:A:HIS:H	6	0.57
(2,4113)	1:167:A:GLU:HA	1:169:A:HIS:H	13	0.57
(2,4107)	1:136:A:ASP:HB2	1:137:A:ASP:H	6	0.57
(2,4098)	1:45:A:GLU:HG2	1:45:A:GLU:H	19	0.57
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD21	3	0.57
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD22	3	0.57
(2,4015)	1:28:A:LYS:HB2	1:29:A:ASP:H	14	0.57
(2,4015)	1:28:A:LYS:HB2	1:29:A:ASP:H	19	0.57
(2,3965)	1:111:A:PRO:HD2	1:108:A:ILE:H	17	0.57
(2,3914)	1:45:A:GLU:HB2	1:46:A:ALA:H	14	0.57
(2,3902)	1:158:A:GLU:HB3	1:159:A:LYS:H	16	0.57
(2,3877)	1:172:A:GLU:HG2	1:172:A:GLU:H	7	0.57
(2,3870)	1:81:A:LYS:HG3	1:81:A:LYS:H	1	0.57
(2,3792)	1:155:A:GLU:HG3	1:156:A:ARG:H	10	0.57
(2,3792)	1:155:A:GLU:HG3	1:156:A:ARG:H	17	0.57
(2,3732)	1:165:A:SER:HB3	1:166:A:GLU:H	8	0.57
(2,3732)	1:165:A:SER:HB3	1:166:A:GLU:H	16	0.57
(2,3650)	1:85:A:LEU:HD11	1:85:A:LEU:H	10	0.57
(2,3650)	1:85:A:LEU:HD12	1:85:A:LEU:H	10	0.57
(2,3650)	1:85:A:LEU:HD13	1:85:A:LEU:H	10	0.57
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD21	10	0.57
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD22	10	0.57
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD23	10	0.57
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD21	10	0.57
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD22	10	0.57
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD23	10	0.57
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD21	10	0.57
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD22	10	0.57
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD23	10	0.57
(2,3427)	1:159:A:LYS:HG3	1:159:A:LYS:HE2	8	0.57
(2,3427)	1:159:A:LYS:HG2	1:159:A:LYS:HE2	8	0.57
(2,3289)	1:90:A:ASP:HB3	1:149:A:GLN:HA	7	0.57
(2,3257)	1:115:A:THR:HA	1:110:A:GLU:HG3	18	0.57
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB2	3	0.57
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB3	3	0.57
(2,3058)	1:160:A:TRP:HD1	1:121:A:PRO:HD3	17	0.57
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG21	18	0.57
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG22	18	0.57
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG23	18	0.57
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB1	9	0.57
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB2	9	0.57
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB3	9	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2664)	1:93:A:ASP:HB3	1:92:A:GLU:HA	2	0.57
(2,2664)	1:93:A:ASP:HB3	1:92:A:GLU:HA	11	0.57
(2,2566)	1:168:A:LEU:H	1:164:A:ILE:HG12	8	0.57
(2,2479)	1:30:A:VAL:HG11	1:173:A:ILE:HB	18	0.57
(2,2479)	1:30:A:VAL:HG12	1:173:A:ILE:HB	18	0.57
(2,2479)	1:30:A:VAL:HG13	1:173:A:ILE:HB	18	0.57
(2,2460)	1:162:A:LYS:HE2	1:158:A:GLU:HG3	3	0.57
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD11	18	0.57
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD12	18	0.57
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD13	18	0.57
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD11	18	0.57
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD12	18	0.57
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD13	18	0.57
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD11	18	0.57
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD12	18	0.57
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD13	18	0.57
(2,2026)	1:43:A:ASP:HB3	1:44:A:LEU:HD11	15	0.57
(2,2026)	1:43:A:ASP:HB3	1:44:A:LEU:HD12	15	0.57
(2,2026)	1:43:A:ASP:HB3	1:44:A:LEU:HD13	15	0.57
(2,2022)	1:72:A:THR:HG21	1:44:A:LEU:HD11	14	0.57
(2,2022)	1:72:A:THR:HG21	1:44:A:LEU:HD12	14	0.57
(2,2022)	1:72:A:THR:HG21	1:44:A:LEU:HD13	14	0.57
(2,2022)	1:72:A:THR:HG22	1:44:A:LEU:HD11	14	0.57
(2,2022)	1:72:A:THR:HG22	1:44:A:LEU:HD12	14	0.57
(2,2022)	1:72:A:THR:HG22	1:44:A:LEU:HD13	14	0.57
(2,2022)	1:72:A:THR:HG23	1:44:A:LEU:HD11	14	0.57
(2,2022)	1:72:A:THR:HG23	1:44:A:LEU:HD12	14	0.57
(2,2022)	1:72:A:THR:HG23	1:44:A:LEU:HD13	14	0.57
(2,1973)	1:156:A:ARG:H	1:155:A:GLU:HG3	10	0.57
(2,1973)	1:156:A:ARG:H	1:155:A:GLU:HG3	17	0.57
(2,1972)	1:159:A:LYS:H	1:158:A:GLU:HG2	16	0.57
(2,1929)	1:82:A:LEU:HG	1:81:A:LYS:HA	3	0.57
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG21	4	0.57
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG22	4	0.57
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG23	4	0.57
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG11	19	0.57
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG12	19	0.57
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG13	19	0.57
(2,1731)	1:27:A:GLY:HA2	1:24:A:LYS:HD2	3	0.57
(2,1719)	1:29:A:ASP:H	1:28:A:LYS:HB2	14	0.57
(2,1719)	1:29:A:ASP:H	1:28:A:LYS:HB2	19	0.57
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD11	14	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD12	14	0.57
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD13	14	0.57
(2,1659)	1:34:A:HIS:HB2	1:38:A:LYS:HE3	7	0.57
(2,1634)	1:25:A:GLN:HE21	1:162:A:LYS:HG3	2	0.57
(2,1634)	1:25:A:GLN:HE21	1:162:A:LYS:HG3	15	0.57
(2,1526)	1:33:A:VAL:HB	1:20:A:LYS:HG3	1	0.57
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG21	11	0.57
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG22	11	0.57
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG23	11	0.57
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG11	18	0.57
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG12	18	0.57
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG13	18	0.57
(2,1119)	1:117:A:VAL:HG11	1:164:A:ILE:HA	14	0.57
(2,1119)	1:117:A:VAL:HG12	1:164:A:ILE:HA	14	0.57
(2,1119)	1:117:A:VAL:HG13	1:164:A:ILE:HA	14	0.57
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG11	19	0.57
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG12	19	0.57
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG13	19	0.57
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG11	19	0.57
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG12	19	0.57
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG13	19	0.57
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG11	19	0.57
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG12	19	0.57
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG13	19	0.57
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG21	11	0.57
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG22	11	0.57
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG23	11	0.57
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG11	7	0.57
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG12	7	0.57
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG13	7	0.57
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD11	6	0.57
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD12	6	0.57
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD13	6	0.57
(2,982)	1:157:A:VAL:HG11	1:142:A:LEU:HG	18	0.57
(2,982)	1:157:A:VAL:HG12	1:142:A:LEU:HG	18	0.57
(2,982)	1:157:A:VAL:HG13	1:142:A:LEU:HG	18	0.57
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG11	14	0.57
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG12	14	0.57
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG13	14	0.57
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD11	17	0.57
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD12	17	0.57
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD13	17	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD21	8	0.57
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD22	8	0.57
(2,540)	1:175:A:ASN:H	1:174:A:LEU:HD23	8	0.57
(2,450)	1:25:A:GLN:HE21	1:161:A:VAL:HB	10	0.57
(2,416)	1:172:A:GLU:H	1:172:A:GLU:HG2	7	0.57
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD1	19	0.57
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD2	19	0.57
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD1	19	0.57
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD2	19	0.57
(2,47)	1:94:A:TYR:HD1	2:201:A:FMN:H6	11	0.57
(3,667)	1:172:A:GLU:HG2	1:169:A:HIS:H	18	0.56
(3,648)	1:120:A:TRP:HH2	1:163:A:GLN:H	14	0.56
(3,648)	1:120:A:TRP:HH2	1:163:A:GLN:H	15	0.56
(3,74)	1:29:A:ASP:H	1:28:A:LYS:HE2	11	0.56
(2,5245)	1:142:A:LEU:HD11	1:160:A:TRP:H	14	0.56
(2,5245)	1:142:A:LEU:HD12	1:160:A:TRP:H	14	0.56
(2,5245)	1:142:A:LEU:HD13	1:160:A:TRP:H	14	0.56
(2,5210)	1:157:A:VAL:HG11	1:156:A:ARG:H	18	0.56
(2,5210)	1:157:A:VAL:HG12	1:156:A:ARG:H	18	0.56
(2,5210)	1:157:A:VAL:HG13	1:156:A:ARG:H	18	0.56
(2,5190)	1:156:A:ARG:HB3	1:153:A:THR:H	9	0.56
(2,5190)	1:156:A:ARG:HB2	1:153:A:THR:H	9	0.56
(2,5025)	1:137:A:ASP:HB3	1:123:A:ALA:H	11	0.56
(2,4965)	1:73:A:LEU:HD11	1:109:A:ILE:H	7	0.56
(2,4965)	1:73:A:LEU:HD12	1:109:A:ILE:H	7	0.56
(2,4965)	1:73:A:LEU:HD13	1:109:A:ILE:H	7	0.56
(2,4965)	1:73:A:LEU:HD11	1:109:A:ILE:H	11	0.56
(2,4965)	1:73:A:LEU:HD12	1:109:A:ILE:H	11	0.56
(2,4965)	1:73:A:LEU:HD13	1:109:A:ILE:H	11	0.56
(2,4951)	1:108:A:ILE:HG12	1:107:A:ASP:H	8	0.56
(2,4951)	1:108:A:ILE:HG12	1:107:A:ASP:H	17	0.56
(2,4901)	1:128:A:GLU:HB2	1:98:A:PHE:H	9	0.56
(2,4880)	1:96:A:GLU:HG2	1:95:A:ALA:H	19	0.56
(2,4742)	1:73:A:LEU:HD11	1:70:A:PHE:H	20	0.56
(2,4742)	1:73:A:LEU:HD12	1:70:A:PHE:H	20	0.56
(2,4742)	1:73:A:LEU:HD13	1:70:A:PHE:H	20	0.56
(2,4639)	1:82:A:LEU:HB3	1:49:A:ILE:H	16	0.56
(2,4555)	1:65:A:ASP:HB2	1:37:A:ALA:H	7	0.56
(2,4491)	1:161:A:VAL:HG21	1:26:A:LEU:H	15	0.56
(2,4491)	1:161:A:VAL:HG22	1:26:A:LEU:H	15	0.56
(2,4491)	1:161:A:VAL:HG23	1:26:A:LEU:H	15	0.56
(2,4486)	1:162:A:LYS:HG3	1:25:A:GLN:HE21	1	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4486)	1:162:A:LYS:HG3	1:25:A:GLN:HE21	16	0.56
(2,4483)	1:162:A:LYS:HD2	1:25:A:GLN:HE22	19	0.56
(2,4113)	1:167:A:GLU:HA	1:169:A:HIS:H	16	0.56
(2,4107)	1:136:A:ASP:HB2	1:137:A:ASP:H	11	0.56
(2,4098)	1:45:A:GLU:HG2	1:45:A:GLU:H	17	0.56
(2,4073)	1:111:A:PRO:HD3	1:112:A:ARG:H	5	0.56
(2,4015)	1:28:A:LYS:HB2	1:29:A:ASP:H	3	0.56
(2,3997)	1:30:A:VAL:HG11	1:3:A:ILE:H	10	0.56
(2,3997)	1:30:A:VAL:HG12	1:3:A:ILE:H	10	0.56
(2,3997)	1:30:A:VAL:HG13	1:3:A:ILE:H	10	0.56
(2,3902)	1:158:A:GLU:HB3	1:159:A:LYS:H	5	0.56
(2,3902)	1:158:A:GLU:HB3	1:159:A:LYS:H	15	0.56
(2,3876)	1:171:A:ASP:HB2	1:172:A:GLU:H	6	0.56
(2,3870)	1:81:A:LYS:HG3	1:81:A:LYS:H	10	0.56
(2,3870)	1:81:A:LYS:HG3	1:81:A:LYS:H	16	0.56
(2,3792)	1:155:A:GLU:HG3	1:156:A:ARG:H	8	0.56
(2,3732)	1:165:A:SER:HB3	1:166:A:GLU:H	4	0.56
(2,3732)	1:165:A:SER:HB3	1:166:A:GLU:H	17	0.56
(2,3732)	1:165:A:SER:HB3	1:166:A:GLU:H	20	0.56
(2,3650)	1:85:A:LEU:HD11	1:85:A:LEU:H	15	0.56
(2,3650)	1:85:A:LEU:HD12	1:85:A:LEU:H	15	0.56
(2,3650)	1:85:A:LEU:HD13	1:85:A:LEU:H	15	0.56
(2,3551)	1:59:A:TYR:HE1	1:58:A:TYR:HB2	8	0.56
(2,3551)	1:59:A:TYR:HE2	1:58:A:TYR:HB2	8	0.56
(2,3470)	1:163:A:GLN:HA	1:166:A:GLU:HG3	16	0.56
(2,3464)	1:170:A:LEU:HB3	1:165:A:SER:HA	13	0.56
(2,3427)	1:159:A:LYS:HG3	1:159:A:LYS:HE2	11	0.56
(2,3427)	1:159:A:LYS:HG2	1:159:A:LYS:HE2	11	0.56
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD11	10	0.56
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD12	10	0.56
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD13	10	0.56
(2,3176)	1:140:A:VAL:HG11	1:134:A:ALA:HA	16	0.56
(2,3176)	1:140:A:VAL:HG12	1:134:A:ALA:HA	16	0.56
(2,3176)	1:140:A:VAL:HG13	1:134:A:ALA:HA	16	0.56
(2,3058)	1:160:A:TRP:HD1	1:121:A:PRO:HD3	16	0.56
(2,2944)	1:110:A:GLU:HB2	1:111:A:PRO:HD2	16	0.56
(2,2894)	1:73:A:LEU:HD11	1:109:A:ILE:HA	16	0.56
(2,2894)	1:73:A:LEU:HD12	1:109:A:ILE:HA	16	0.56
(2,2894)	1:73:A:LEU:HD13	1:109:A:ILE:HA	16	0.56
(2,2664)	1:93:A:ASP:HB3	1:92:A:GLU:HA	1	0.56
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD11	20	0.56
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD12	20	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD13	20	0.56
(2,2529)	1:25:A:GLN:HE21	1:162:A:LYS:HG2	4	0.56
(2,2460)	1:162:A:LYS:HE2	1:158:A:GLU:HG3	13	0.56
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD11	20	0.56
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD12	20	0.56
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD13	20	0.56
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD11	20	0.56
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD12	20	0.56
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD13	20	0.56
(2,2130)	1:120:A:TRP:HH2	1:159:A:LYS:HG2	2	0.56
(2,1973)	1:156:A:ARG:H	1:155:A:GLU:HG3	8	0.56
(2,1972)	1:159:A:LYS:H	1:158:A:GLU:HG2	14	0.56
(2,1925)	1:38:A:LYS:HE2	1:39:A:SER:HB3	4	0.56
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB1	16	0.56
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB2	16	0.56
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB3	16	0.56
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG21	9	0.56
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG22	9	0.56
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG23	9	0.56
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG21	9	0.56
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG22	9	0.56
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG23	9	0.56
(2,1719)	1:29:A:ASP:H	1:28:A:LYS:HB2	3	0.56
(2,1634)	1:25:A:GLN:HE21	1:162:A:LYS:HG3	1	0.56
(2,1634)	1:25:A:GLN:HE21	1:162:A:LYS:HG3	16	0.56
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG11	15	0.56
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG12	15	0.56
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG13	15	0.56
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG11	17	0.56
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG12	17	0.56
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG13	17	0.56
(2,1526)	1:33:A:VAL:HB	1:20:A:LYS:HG3	7	0.56
(2,1526)	1:33:A:VAL:HB	1:20:A:LYS:HG3	15	0.56
(2,1526)	1:33:A:VAL:HB	1:20:A:LYS:HG3	17	0.56
(2,1526)	1:33:A:VAL:HB	1:20:A:LYS:HG3	18	0.56
(2,1526)	1:33:A:VAL:HB	1:20:A:LYS:HG3	20	0.56
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD11	3	0.56
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD12	3	0.56
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD13	3	0.56
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD11	3	0.56
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD12	3	0.56
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD13	3	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1232)	1:158:A:GLU:HA	1:162:A:LYS:HE2	8	0.56
(2,1164)	1:45:A:GLU:HB2	1:42:A:GLU:HA	16	0.56
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG11	2	0.56
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG12	2	0.56
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG13	2	0.56
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG11	2	0.56
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG12	2	0.56
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG13	2	0.56
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG11	2	0.56
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG12	2	0.56
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG13	2	0.56
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG11	12	0.56
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG12	12	0.56
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG13	12	0.56
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG11	12	0.56
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG12	12	0.56
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG13	12	0.56
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG11	12	0.56
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG12	12	0.56
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG13	12	0.56
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD21	12	0.56
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD22	12	0.56
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD23	12	0.56
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG21	5	0.56
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG22	5	0.56
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG23	5	0.56
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG21	7	0.56
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG22	7	0.56
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG23	7	0.56
(2,833)	1:21:A:MET:HA	1:24:A:LYS:HG3	10	0.56
(2,833)	1:21:A:MET:HA	1:24:A:LYS:HG2	10	0.56
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD11	14	0.56
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD12	14	0.56
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD13	14	0.56
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD11	14	0.56
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD12	14	0.56
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD13	14	0.56
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD11	14	0.56
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD12	14	0.56
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD13	14	0.56
(2,388)	1:172:A:GLU:H	1:171:A:ASP:HB2	6	0.56
(3,288)	1:25:A:GLN:HG2	1:161:A:VAL:HA	5	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5371)	1:28:A:LYS:HD2	1:23:A:GLN:HE21	15	0.55
(2,5336)	1:170:A:LEU:HD11	1:174:A:LEU:H	15	0.55
(2,5336)	1:170:A:LEU:HD12	1:174:A:LEU:H	15	0.55
(2,5336)	1:170:A:LEU:HD13	1:174:A:LEU:H	15	0.55
(2,5324)	1:166:A:GLU:HB2	1:171:A:ASP:H	13	0.55
(2,5229)	1:145:A:ASP:H	1:156:A:ARG:HE	12	0.55
(2,5190)	1:156:A:ARG:HB3	1:153:A:THR:H	8	0.55
(2,5190)	1:156:A:ARG:HB2	1:153:A:THR:H	8	0.55
(2,5190)	1:156:A:ARG:HB3	1:153:A:THR:H	20	0.55
(2,5190)	1:156:A:ARG:HB2	1:153:A:THR:H	20	0.55
(2,5189)	1:156:A:ARG:HG2	1:153:A:THR:H	11	0.55
(2,5143)	1:144:A:ILE:HG12	1:144:A:ILE:H	18	0.55
(2,4901)	1:128:A:GLU:HB2	1:98:A:PHE:H	11	0.55
(2,4640)	1:50:A:LEU:HD11	1:49:A:ILE:H	4	0.55
(2,4640)	1:50:A:LEU:HD12	1:49:A:ILE:H	4	0.55
(2,4640)	1:50:A:LEU:HD13	1:49:A:ILE:H	4	0.55
(2,4555)	1:65:A:ASP:HB2	1:37:A:ALA:H	18	0.55
(2,4486)	1:162:A:LYS:HG3	1:25:A:GLN:HE21	14	0.55
(2,4486)	1:162:A:LYS:HG3	1:25:A:GLN:HE21	18	0.55
(2,4486)	1:162:A:LYS:HG3	1:25:A:GLN:HE21	19	0.55
(2,4483)	1:162:A:LYS:HD2	1:25:A:GLN:HE22	16	0.55
(2,4073)	1:111:A:PRO:HD3	1:112:A:ARG:H	2	0.55
(2,4073)	1:111:A:PRO:HD3	1:112:A:ARG:H	7	0.55
(2,4073)	1:111:A:PRO:HD3	1:112:A:ARG:H	18	0.55
(2,4071)	1:112:A:ARG:HD2	1:112:A:ARG:H	3	0.55
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD21	6	0.55
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD22	6	0.55
(2,4015)	1:28:A:LYS:HB2	1:29:A:ASP:H	8	0.55
(2,4015)	1:28:A:LYS:HB2	1:29:A:ASP:H	9	0.55
(2,4015)	1:28:A:LYS:HB2	1:29:A:ASP:H	16	0.55
(2,4015)	1:28:A:LYS:HB2	1:29:A:ASP:H	18	0.55
(2,3965)	1:111:A:PRO:HD2	1:108:A:ILE:H	19	0.55
(2,3921)	1:45:A:GLU:HB2	1:44:A:LEU:H	13	0.55
(2,3877)	1:172:A:GLU:HG2	1:172:A:GLU:H	12	0.55
(2,3732)	1:165:A:SER:HB3	1:166:A:GLU:H	9	0.55
(2,3684)	1:158:A:GLU:HA	1:162:A:LYS:H	16	0.55
(2,3464)	1:170:A:LEU:HB3	1:165:A:SER:HA	7	0.55
(2,3464)	1:170:A:LEU:HB3	1:165:A:SER:HA	20	0.55
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG11	15	0.55
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG12	15	0.55
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG13	15	0.55
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG11	19	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG12	19	0.55
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG13	19	0.55
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD11	17	0.55
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD12	17	0.55
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD13	17	0.55
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD11	3	0.55
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD12	3	0.55
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD13	3	0.55
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG11	7	0.55
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG12	7	0.55
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG13	7	0.55
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG11	7	0.55
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG12	7	0.55
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG13	7	0.55
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG11	7	0.55
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG12	7	0.55
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG13	7	0.55
(2,3176)	1:140:A:VAL:HG11	1:134:A:ALA:HA	11	0.55
(2,3176)	1:140:A:VAL:HG12	1:134:A:ALA:HA	11	0.55
(2,3176)	1:140:A:VAL:HG13	1:134:A:ALA:HA	11	0.55
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB2	4	0.55
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB3	4	0.55
(2,3095)	1:125:A:TYR:HD1	1:126:A:HIS:HB3	4	0.55
(2,3095)	1:125:A:TYR:HD2	1:126:A:HIS:HB3	4	0.55
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG21	14	0.55
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG22	14	0.55
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG23	14	0.55
(2,2944)	1:110:A:GLU:HB2	1:111:A:PRO:HD2	5	0.55
(2,2921)	1:110:A:GLU:HG2	1:110:A:GLU:HA	13	0.55
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD11	4	0.55
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD12	4	0.55
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD13	4	0.55
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD11	4	0.55
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD12	4	0.55
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD13	4	0.55
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD11	4	0.55
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD12	4	0.55
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD13	4	0.55
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD21	5	0.55
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD22	5	0.55
(2,2779)	1:54:A:ILE:HB	1:102:A:LEU:HD23	5	0.55
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD11	9	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD12	9	0.55
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD13	9	0.55
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB1	17	0.55
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB2	17	0.55
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB3	17	0.55
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB1	18	0.55
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB2	18	0.55
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB3	18	0.55
(2,2670)	1:148:A:ARG:HD2	1:92:A:GLU:HB2	11	0.55
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD11	12	0.55
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD12	12	0.55
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD13	12	0.55
(2,2566)	1:168:A:LEU:H	1:164:A:ILE:HG12	17	0.55
(2,2564)	1:150:A:PRO:HA	1:144:A:ILE:HG12	18	0.55
(2,2340)	1:142:A:LEU:HD11	1:156:A:ARG:HA	17	0.55
(2,2340)	1:142:A:LEU:HD12	1:156:A:ARG:HA	17	0.55
(2,2340)	1:142:A:LEU:HD13	1:156:A:ARG:HA	17	0.55
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD11	16	0.55
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD12	16	0.55
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD13	16	0.55
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD21	4	0.55
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD22	4	0.55
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD23	4	0.55
(2,1972)	1:159:A:LYS:H	1:158:A:GLU:HG2	1	0.55
(2,1972)	1:159:A:LYS:H	1:158:A:GLU:HG2	2	0.55
(2,1972)	1:159:A:LYS:H	1:158:A:GLU:HG2	18	0.55
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB1	15	0.55
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB2	15	0.55
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB3	15	0.55
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD11	15	0.55
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD12	15	0.55
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD13	15	0.55
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG21	6	0.55
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG22	6	0.55
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG23	6	0.55
(2,1719)	1:29:A:ASP:H	1:28:A:LYS:HB2	8	0.55
(2,1719)	1:29:A:ASP:H	1:28:A:LYS:HB2	9	0.55
(2,1719)	1:29:A:ASP:H	1:28:A:LYS:HB2	16	0.55
(2,1719)	1:29:A:ASP:H	1:28:A:LYS:HB2	18	0.55
(2,1660)	1:25:A:GLN:HE22	1:162:A:LYS:HE2	7	0.55
(2,1660)	1:25:A:GLN:HE22	1:162:A:LYS:HE2	10	0.55
(2,1634)	1:25:A:GLN:HE21	1:162:A:LYS:HG3	14	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1634)	1:25:A:GLN:HE21	1:162:A:LYS:HG3	18	0.55
(2,1634)	1:25:A:GLN:HE21	1:162:A:LYS:HG3	19	0.55
(2,1526)	1:33:A:VAL:HB	1:20:A:LYS:HG3	16	0.55
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD11	15	0.55
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD12	15	0.55
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD13	15	0.55
(2,1498)	1:86:A:PHE:HD1	1:19:A:ALA:HB1	16	0.55
(2,1498)	1:86:A:PHE:HD1	1:19:A:ALA:HB2	16	0.55
(2,1498)	1:86:A:PHE:HD1	1:19:A:ALA:HB3	16	0.55
(2,1498)	1:86:A:PHE:HD2	1:19:A:ALA:HB1	16	0.55
(2,1498)	1:86:A:PHE:HD2	1:19:A:ALA:HB2	16	0.55
(2,1498)	1:86:A:PHE:HD2	1:19:A:ALA:HB3	16	0.55
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD11	7	0.55
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD12	7	0.55
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD13	7	0.55
(2,1465)	1:18:A:ILE:HD11	1:17:A:ASN:HB2	7	0.55
(2,1465)	1:18:A:ILE:HD12	1:17:A:ASN:HB2	7	0.55
(2,1465)	1:18:A:ILE:HD13	1:17:A:ASN:HB2	7	0.55
(2,1222)	1:30:A:VAL:HG11	1:31:A:ALA:HA	6	0.55
(2,1222)	1:30:A:VAL:HG12	1:31:A:ALA:HA	6	0.55
(2,1222)	1:30:A:VAL:HG13	1:31:A:ALA:HA	6	0.55
(2,1222)	1:30:A:VAL:HG11	1:31:A:ALA:HA	10	0.55
(2,1222)	1:30:A:VAL:HG12	1:31:A:ALA:HA	10	0.55
(2,1222)	1:30:A:VAL:HG13	1:31:A:ALA:HA	10	0.55
(2,1222)	1:30:A:VAL:HG11	1:31:A:ALA:HA	19	0.55
(2,1222)	1:30:A:VAL:HG12	1:31:A:ALA:HA	19	0.55
(2,1222)	1:30:A:VAL:HG13	1:31:A:ALA:HA	19	0.55
(2,1165)	1:24:A:LYS:HG2	1:21:A:MET:HA	14	0.55
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG11	1	0.55
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG12	1	0.55
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG13	1	0.55
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD11	2	0.55
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD12	2	0.55
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD13	2	0.55
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD11	2	0.55
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD12	2	0.55
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD13	2	0.55
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD11	2	0.55
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD12	2	0.55
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD13	2	0.55
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD11	1	0.55
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD12	1	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD13	1	0.55
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD21	9	0.55
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD22	9	0.55
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD23	9	0.55
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD21	16	0.55
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD22	16	0.55
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD23	16	0.55
(2,723)	1:165:A:SER:HA	1:170:A:LEU:HB3	2	0.55
(2,723)	1:165:A:SER:HA	1:170:A:LEU:HB2	2	0.55
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD21	4	0.55
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD22	4	0.55
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD23	4	0.55
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD21	19	0.55
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD22	19	0.55
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD23	19	0.55
(2,501)	1:78:A:PHE:HE1	1:44:A:LEU:HD21	13	0.55
(2,501)	1:78:A:PHE:HE1	1:44:A:LEU:HD22	13	0.55
(2,501)	1:78:A:PHE:HE1	1:44:A:LEU:HD23	13	0.55
(2,501)	1:78:A:PHE:HE2	1:44:A:LEU:HD21	13	0.55
(2,501)	1:78:A:PHE:HE2	1:44:A:LEU:HD22	13	0.55
(2,501)	1:78:A:PHE:HE2	1:44:A:LEU:HD23	13	0.55
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD11	7	0.55
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD12	7	0.55
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD13	7	0.55
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD11	7	0.55
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD12	7	0.55
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD13	7	0.55
(2,496)	1:49:A:ILE:H	1:50:A:LEU:HD11	4	0.55
(2,496)	1:49:A:ILE:H	1:50:A:LEU:HD12	4	0.55
(2,496)	1:49:A:ILE:H	1:50:A:LEU:HD13	4	0.55
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD11	14	0.55
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD12	14	0.55
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD13	14	0.55
(2,416)	1:172:A:GLU:H	1:172:A:GLU:HG2	12	0.55
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD1	13	0.55
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD2	13	0.55
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD22	5	0.54
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD21	5	0.54
(3,658)	1:170:A:LEU:HB3	1:166:A:GLU:H	13	0.54
(3,400)	1:3:A:ILE:HG12	1:48:A:ASP:H	3	0.54
(3,394)	1:44:A:LEU:HD11	1:42:A:GLU:H	5	0.54
(3,394)	1:44:A:LEU:HD12	1:42:A:GLU:H	5	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,394)	1:44:A:LEU:HD13	1:42:A:GLU:H	5	0.54
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD11	11	0.54
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD12	11	0.54
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD13	11	0.54
(2,5336)	1:170:A:LEU:HD11	1:174:A:LEU:H	12	0.54
(2,5336)	1:170:A:LEU:HD12	1:174:A:LEU:H	12	0.54
(2,5336)	1:170:A:LEU:HD13	1:174:A:LEU:H	12	0.54
(2,5326)	1:170:A:LEU:HD11	1:171:A:ASP:H	17	0.54
(2,5326)	1:170:A:LEU:HD12	1:171:A:ASP:H	17	0.54
(2,5326)	1:170:A:LEU:HD13	1:171:A:ASP:H	17	0.54
(2,5210)	1:157:A:VAL:HG11	1:156:A:ARG:H	12	0.54
(2,5210)	1:157:A:VAL:HG12	1:156:A:ARG:H	12	0.54
(2,5210)	1:157:A:VAL:HG13	1:156:A:ARG:H	12	0.54
(2,5147)	1:146:A:GLU:HB3	1:145:A:ASP:H	14	0.54
(2,5143)	1:144:A:ILE:HG12	1:144:A:ILE:H	7	0.54
(2,5137)	1:142:A:LEU:HD11	1:143:A:ALA:H	6	0.54
(2,5137)	1:142:A:LEU:HD12	1:143:A:ALA:H	6	0.54
(2,5137)	1:142:A:LEU:HD13	1:143:A:ALA:H	6	0.54
(2,5111)	1:102:A:LEU:HD11	1:140:A:VAL:H	19	0.54
(2,5111)	1:102:A:LEU:HD12	1:140:A:VAL:H	19	0.54
(2,5111)	1:102:A:LEU:HD13	1:140:A:VAL:H	19	0.54
(2,5025)	1:137:A:ASP:HB3	1:123:A:ALA:H	8	0.54
(2,4951)	1:108:A:ILE:HG12	1:107:A:ASP:H	10	0.54
(2,4698)	1:101:A:ALA:H	1:61:A:GLU:H	6	0.54
(2,4698)	1:101:A:ALA:H	1:61:A:GLU:H	20	0.54
(2,4634)	1:50:A:LEU:HD11	1:48:A:ASP:H	14	0.54
(2,4634)	1:50:A:LEU:HD12	1:48:A:ASP:H	14	0.54
(2,4634)	1:50:A:LEU:HD13	1:48:A:ASP:H	14	0.54
(2,4610)	1:45:A:GLU:HG3	1:45:A:GLU:H	14	0.54
(2,4515)	1:26:A:LEU:HD11	1:31:A:ALA:H	16	0.54
(2,4515)	1:26:A:LEU:HD12	1:31:A:ALA:H	16	0.54
(2,4515)	1:26:A:LEU:HD13	1:31:A:ALA:H	16	0.54
(2,4486)	1:162:A:LYS:HG3	1:25:A:GLN:HE21	20	0.54
(2,4483)	1:162:A:LYS:HD2	1:25:A:GLN:HE22	18	0.54
(2,4366)	1:6:A:ILE:HG12	1:6:A:ILE:H	14	0.54
(2,4148)	1:15:A:THR:HG21	1:53:A:GLY:H	19	0.54
(2,4148)	1:15:A:THR:HG22	1:53:A:GLY:H	19	0.54
(2,4148)	1:15:A:THR:HG23	1:53:A:GLY:H	19	0.54
(2,4101)	1:41:A:LYS:HG2	1:45:A:GLU:H	16	0.54
(2,4098)	1:45:A:GLU:HG2	1:45:A:GLU:H	1	0.54
(2,4075)	1:112:A:ARG:HG2	1:112:A:ARG:H	1	0.54
(2,4075)	1:112:A:ARG:HG3	1:112:A:ARG:H	1	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4073)	1:111:A:PRO:HD3	1:112:A:ARG:H	9	0.54
(2,4073)	1:111:A:PRO:HD3	1:112:A:ARG:H	19	0.54
(2,4015)	1:28:A:LYS:HB2	1:29:A:ASP:H	1	0.54
(2,4015)	1:28:A:LYS:HB2	1:29:A:ASP:H	2	0.54
(2,4015)	1:28:A:LYS:HB2	1:29:A:ASP:H	7	0.54
(2,4015)	1:28:A:LYS:HB2	1:29:A:ASP:H	13	0.54
(2,3997)	1:30:A:VAL:HG11	1:3:A:ILE:H	5	0.54
(2,3997)	1:30:A:VAL:HG12	1:3:A:ILE:H	5	0.54
(2,3997)	1:30:A:VAL:HG13	1:3:A:ILE:H	5	0.54
(2,3902)	1:158:A:GLU:HB3	1:159:A:LYS:H	18	0.54
(2,3876)	1:171:A:ASP:HB2	1:172:A:GLU:H	18	0.54
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	2	0.54
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	2	0.54
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	11	0.54
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	11	0.54
(2,3732)	1:165:A:SER:HB3	1:166:A:GLU:H	13	0.54
(2,3684)	1:158:A:GLU:HA	1:162:A:LYS:H	12	0.54
(2,3684)	1:158:A:GLU:HA	1:162:A:LYS:H	17	0.54
(2,3512)	1:166:A:GLU:HB3	1:171:A:ASP:HB2	18	0.54
(2,3427)	1:159:A:LYS:HG3	1:159:A:LYS:HE2	17	0.54
(2,3427)	1:159:A:LYS:HG2	1:159:A:LYS:HE2	17	0.54
(2,3394)	1:159:A:LYS:HE2	1:159:A:LYS:HA	3	0.54
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG11	16	0.54
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG12	16	0.54
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG13	16	0.54
(2,3306)	1:152:A:LEU:HG	1:151:A:GLU:HG3	12	0.54
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD11	18	0.54
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD12	18	0.54
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD13	18	0.54
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD11	6	0.54
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD12	6	0.54
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD13	6	0.54
(2,3184)	1:140:A:VAL:HG21	1:134:A:ALA:HB1	12	0.54
(2,3184)	1:140:A:VAL:HG21	1:134:A:ALA:HB2	12	0.54
(2,3184)	1:140:A:VAL:HG21	1:134:A:ALA:HB3	12	0.54
(2,3184)	1:140:A:VAL:HG22	1:134:A:ALA:HB1	12	0.54
(2,3184)	1:140:A:VAL:HG22	1:134:A:ALA:HB2	12	0.54
(2,3184)	1:140:A:VAL:HG22	1:134:A:ALA:HB3	12	0.54
(2,3184)	1:140:A:VAL:HG23	1:134:A:ALA:HB1	12	0.54
(2,3184)	1:140:A:VAL:HG23	1:134:A:ALA:HB2	12	0.54
(2,3184)	1:140:A:VAL:HG23	1:134:A:ALA:HB3	12	0.54
(2,3110)	1:95:A:ALA:H	1:128:A:GLU:HG3	15	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG21	3	0.54
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG22	3	0.54
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG23	3	0.54
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG21	3	0.54
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG22	3	0.54
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG23	3	0.54
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG21	3	0.54
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG22	3	0.54
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG23	3	0.54
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG21	9	0.54
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG22	9	0.54
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG23	9	0.54
(2,2983)	1:116:A:ILE:HD11	1:115:A:THR:HA	15	0.54
(2,2983)	1:116:A:ILE:HD12	1:115:A:THR:HA	15	0.54
(2,2983)	1:116:A:ILE:HD13	1:115:A:THR:HA	15	0.54
(2,2965)	1:111:A:PRO:HG2	1:112:A:ARG:HD3	3	0.54
(2,2962)	1:109:A:ILE:HA	1:112:A:ARG:HD3	3	0.54
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG21	9	0.54
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG22	9	0.54
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG23	9	0.54
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD11	19	0.54
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD12	19	0.54
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD13	19	0.54
(2,2664)	1:93:A:ASP:HB3	1:92:A:GLU:HA	8	0.54
(2,2625)	1:142:A:LEU:HG	1:86:A:PHE:HB3	16	0.54
(2,2564)	1:150:A:PRO:HA	1:144:A:ILE:HG12	7	0.54
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD11	4	0.54
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD12	4	0.54
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD13	4	0.54
(2,2479)	1:30:A:VAL:HG11	1:173:A:ILE:HB	16	0.54
(2,2479)	1:30:A:VAL:HG12	1:173:A:ILE:HB	16	0.54
(2,2479)	1:30:A:VAL:HG13	1:173:A:ILE:HB	16	0.54
(2,2460)	1:162:A:LYS:HE2	1:158:A:GLU:HG3	14	0.54
(2,2444)	1:108:A:ILE:HG21	1:74:A:GLU:HB2	8	0.54
(2,2444)	1:108:A:ILE:HG22	1:74:A:GLU:HB2	8	0.54
(2,2444)	1:108:A:ILE:HG23	1:74:A:GLU:HB2	8	0.54
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB3	3	0.54
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB3	3	0.54
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB3	3	0.54
(2,2209)	1:85:A:LEU:HD11	1:52:A:LEU:HB2	3	0.54
(2,2209)	1:85:A:LEU:HD12	1:52:A:LEU:HB2	3	0.54
(2,2209)	1:85:A:LEU:HD13	1:52:A:LEU:HB2	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD11	9	0.54
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD12	9	0.54
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD13	9	0.54
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD11	9	0.54
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD12	9	0.54
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD13	9	0.54
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD11	16	0.54
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD12	16	0.54
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD13	16	0.54
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD11	17	0.54
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD12	17	0.54
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD13	17	0.54
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD11	19	0.54
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD12	19	0.54
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD13	19	0.54
(2,2022)	1:72:A:THR:HG21	1:44:A:LEU:HD11	13	0.54
(2,2022)	1:72:A:THR:HG21	1:44:A:LEU:HD12	13	0.54
(2,2022)	1:72:A:THR:HG21	1:44:A:LEU:HD13	13	0.54
(2,2022)	1:72:A:THR:HG22	1:44:A:LEU:HD11	13	0.54
(2,2022)	1:72:A:THR:HG22	1:44:A:LEU:HD12	13	0.54
(2,2022)	1:72:A:THR:HG22	1:44:A:LEU:HD13	13	0.54
(2,2022)	1:72:A:THR:HG23	1:44:A:LEU:HD11	13	0.54
(2,2022)	1:72:A:THR:HG23	1:44:A:LEU:HD12	13	0.54
(2,2022)	1:72:A:THR:HG23	1:44:A:LEU:HD13	13	0.54
(2,2009)	1:39:A:SER:HB3	1:43:A:ASP:HB2	17	0.54
(2,1967)	1:45:A:GLU:HG2	1:42:A:GLU:HA	2	0.54
(2,1719)	1:29:A:ASP:H	1:28:A:LYS:HB2	1	0.54
(2,1719)	1:29:A:ASP:H	1:28:A:LYS:HB2	2	0.54
(2,1719)	1:29:A:ASP:H	1:28:A:LYS:HB2	7	0.54
(2,1719)	1:29:A:ASP:H	1:28:A:LYS:HB2	13	0.54
(2,1659)	1:34:A:HIS:HB2	1:38:A:LYS:HE3	20	0.54
(2,1654)	1:38:A:LYS:HA	1:38:A:LYS:HE3	7	0.54
(2,1649)	1:24:A:LYS:H	1:24:A:LYS:HD2	2	0.54
(2,1634)	1:25:A:GLN:HE21	1:162:A:LYS:HG3	20	0.54
(2,1531)	1:38:A:LYS:H	1:38:A:LYS:HD2	3	0.54
(2,1526)	1:33:A:VAL:HB	1:20:A:LYS:HG3	9	0.54
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD11	14	0.54
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD12	14	0.54
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD13	14	0.54
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD11	8	0.54
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD12	8	0.54
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD13	8	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD11	8	0.54
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD12	8	0.54
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD13	8	0.54
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG11	16	0.54
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG12	16	0.54
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG13	16	0.54
(2,1229)	1:16:A:GLU:HG3	1:20:A:LYS:HE3	10	0.54
(2,1222)	1:30:A:VAL:HG11	1:31:A:ALA:HA	3	0.54
(2,1222)	1:30:A:VAL:HG12	1:31:A:ALA:HA	3	0.54
(2,1222)	1:30:A:VAL:HG13	1:31:A:ALA:HA	3	0.54
(2,1222)	1:30:A:VAL:HG11	1:31:A:ALA:HA	4	0.54
(2,1222)	1:30:A:VAL:HG12	1:31:A:ALA:HA	4	0.54
(2,1222)	1:30:A:VAL:HG13	1:31:A:ALA:HA	4	0.54
(2,1222)	1:30:A:VAL:HG11	1:31:A:ALA:HA	13	0.54
(2,1222)	1:30:A:VAL:HG12	1:31:A:ALA:HA	13	0.54
(2,1222)	1:30:A:VAL:HG13	1:31:A:ALA:HA	13	0.54
(2,1036)	1:74:A:GLU:HB2	1:108:A:ILE:HG21	8	0.54
(2,1036)	1:74:A:GLU:HB2	1:108:A:ILE:HG22	8	0.54
(2,1036)	1:74:A:GLU:HB2	1:108:A:ILE:HG23	8	0.54
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD11	18	0.54
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD12	18	0.54
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD13	18	0.54
(2,746)	1:169:A:HIS:HB2	1:172:A:GLU:HG2	2	0.54
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD21	16	0.54
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD22	16	0.54
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD23	16	0.54
(2,388)	1:172:A:GLU:H	1:171:A:ASP:HB2	18	0.54
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD1	19	0.54
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD2	19	0.54
(2,84)	1:159:A:LYS:HG3	1:120:A:TRP:HH2	2	0.54
(3,394)	1:44:A:LEU:HD11	1:42:A:GLU:H	12	0.53
(3,394)	1:44:A:LEU:HD12	1:42:A:GLU:H	12	0.53
(3,394)	1:44:A:LEU:HD13	1:42:A:GLU:H	12	0.53
(3,310)	1:18:A:ILE:HG12	1:55:A:PRO:HD3	2	0.53
(3,299)	1:26:A:LEU:HD11	1:165:A:SER:HB3	5	0.53
(3,299)	1:26:A:LEU:HD12	1:165:A:SER:HB3	5	0.53
(3,299)	1:26:A:LEU:HD13	1:165:A:SER:HB3	5	0.53
(2,5326)	1:170:A:LEU:HD11	1:171:A:ASP:H	20	0.53
(2,5326)	1:170:A:LEU:HD12	1:171:A:ASP:H	20	0.53
(2,5326)	1:170:A:LEU:HD13	1:171:A:ASP:H	20	0.53
(2,5210)	1:157:A:VAL:HG11	1:156:A:ARG:H	7	0.53
(2,5210)	1:157:A:VAL:HG12	1:156:A:ARG:H	7	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5210)	1:157:A:VAL:HG13	1:156:A:ARG:H	7	0.53
(2,4980)	1:74:A:GLU:HB2	1:112:A:ARG:HE	8	0.53
(2,4864)	1:95:A:ALA:HB1	1:92:A:GLU:H	5	0.53
(2,4864)	1:95:A:ALA:HB2	1:92:A:GLU:H	5	0.53
(2,4864)	1:95:A:ALA:HB3	1:92:A:GLU:H	5	0.53
(2,4486)	1:162:A:LYS:HG3	1:25:A:GLN:HE21	9	0.53
(2,4483)	1:162:A:LYS:HD2	1:25:A:GLN:HE22	1	0.53
(2,4483)	1:162:A:LYS:HD2	1:25:A:GLN:HE22	15	0.53
(2,4366)	1:6:A:ILE:HG12	1:6:A:ILE:H	12	0.53
(2,4113)	1:167:A:GLU:HA	1:169:A:HIS:H	1	0.53
(2,4113)	1:167:A:GLU:HA	1:169:A:HIS:H	9	0.53
(2,4107)	1:136:A:ASP:HB2	1:137:A:ASP:H	19	0.53
(2,4079)	1:85:A:LEU:HD11	1:86:A:PHE:H	12	0.53
(2,4079)	1:85:A:LEU:HD12	1:86:A:PHE:H	12	0.53
(2,4079)	1:85:A:LEU:HD13	1:86:A:PHE:H	12	0.53
(2,4075)	1:112:A:ARG:HG2	1:112:A:ARG:H	14	0.53
(2,4075)	1:112:A:ARG:HG3	1:112:A:ARG:H	14	0.53
(2,4073)	1:111:A:PRO:HD3	1:112:A:ARG:H	8	0.53
(2,4073)	1:111:A:PRO:HD3	1:112:A:ARG:H	16	0.53
(2,4060)	1:133:A:LEU:HD11	1:135:A:ASP:H	15	0.53
(2,4060)	1:133:A:LEU:HD12	1:135:A:ASP:H	15	0.53
(2,4060)	1:133:A:LEU:HD13	1:135:A:ASP:H	15	0.53
(2,3876)	1:171:A:ASP:HB2	1:172:A:GLU:H	13	0.53
(2,3876)	1:171:A:ASP:HB2	1:172:A:GLU:H	17	0.53
(2,3853)	1:44:A:LEU:HD11	1:43:A:ASP:H	5	0.53
(2,3853)	1:44:A:LEU:HD12	1:43:A:ASP:H	5	0.53
(2,3853)	1:44:A:LEU:HD13	1:43:A:ASP:H	5	0.53
(2,3732)	1:165:A:SER:HB3	1:166:A:GLU:H	10	0.53
(2,3684)	1:158:A:GLU:HA	1:162:A:LYS:H	20	0.53
(2,3661)	1:91:A:GLN:HG3	1:91:A:GLN:H	9	0.53
(2,3525)	1:4:A:THR:H	1:49:A:ILE:HD11	11	0.53
(2,3525)	1:4:A:THR:H	1:49:A:ILE:HD12	11	0.53
(2,3525)	1:4:A:THR:H	1:49:A:ILE:HD13	11	0.53
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD21	7	0.53
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD22	7	0.53
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD23	7	0.53
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD21	7	0.53
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD22	7	0.53
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD23	7	0.53
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD21	7	0.53
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD22	7	0.53
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD23	7	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3306)	1:152:A:LEU:HG	1:151:A:GLU:HG3	2	0.53
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD11	14	0.53
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD12	14	0.53
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD13	14	0.53
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD11	10	0.53
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD12	10	0.53
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD13	10	0.53
(2,3070)	1:130:A:SER:HB2	1:122:A:THR:HG21	20	0.53
(2,3070)	1:130:A:SER:HB2	1:122:A:THR:HG22	20	0.53
(2,3070)	1:130:A:SER:HB2	1:122:A:THR:HG23	20	0.53
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG21	20	0.53
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG22	20	0.53
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG23	20	0.53
(2,2983)	1:116:A:ILE:HD11	1:115:A:THR:HA	5	0.53
(2,2983)	1:116:A:ILE:HD12	1:115:A:THR:HA	5	0.53
(2,2983)	1:116:A:ILE:HD13	1:115:A:THR:HA	5	0.53
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD3	15	0.53
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD2	15	0.53
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG21	8	0.53
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG22	8	0.53
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG23	8	0.53
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD11	20	0.53
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD12	20	0.53
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD13	20	0.53
(2,2620)	1:102:A:LEU:HD11	1:86:A:PHE:HA	19	0.53
(2,2620)	1:102:A:LEU:HD12	1:86:A:PHE:HA	19	0.53
(2,2620)	1:102:A:LEU:HD13	1:86:A:PHE:HA	19	0.53
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD11	2	0.53
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD12	2	0.53
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD13	2	0.53
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD11	8	0.53
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD12	8	0.53
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD13	8	0.53
(2,2529)	1:25:A:GLN:HE21	1:162:A:LYS:HG2	3	0.53
(2,2529)	1:25:A:GLN:HE21	1:162:A:LYS:HG2	11	0.53
(2,2460)	1:162:A:LYS:HE2	1:158:A:GLU:HG3	7	0.53
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG21	17	0.53
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG22	17	0.53
(2,2252)	1:85:A:LEU:HD11	1:54:A:ILE:HG23	17	0.53
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG21	17	0.53
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG22	17	0.53
(2,2252)	1:85:A:LEU:HD12	1:54:A:ILE:HG23	17	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG21	17	0.53
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG22	17	0.53
(2,2252)	1:85:A:LEU:HD13	1:54:A:ILE:HG23	17	0.53
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD11	7	0.53
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD12	7	0.53
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD13	7	0.53
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD11	7	0.53
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD12	7	0.53
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD13	7	0.53
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD21	20	0.53
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD22	20	0.53
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD23	20	0.53
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD11	5	0.53
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD12	5	0.53
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD13	5	0.53
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD11	5	0.53
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD12	5	0.53
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD13	5	0.53
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG21	7	0.53
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG22	7	0.53
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG23	7	0.53
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG21	7	0.53
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG22	7	0.53
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG23	7	0.53
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG21	7	0.53
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG22	7	0.53
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG23	7	0.53
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD21	17	0.53
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD22	17	0.53
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD23	17	0.53
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD21	17	0.53
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD22	17	0.53
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD23	17	0.53
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD21	17	0.53
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD22	17	0.53
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD23	17	0.53
(2,2005)	1:44:A:LEU:HD11	1:43:A:ASP:HA	7	0.53
(2,2005)	1:44:A:LEU:HD12	1:43:A:ASP:HA	7	0.53
(2,2005)	1:44:A:LEU:HD13	1:43:A:ASP:HA	7	0.53
(2,1972)	1:159:A:LYS:H	1:158:A:GLU:HG2	15	0.53
(2,1925)	1:38:A:LYS:HE2	1:39:A:SER:HB3	2	0.53
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG11	19	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG12	19	0.53
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG13	19	0.53
(2,1724)	1:29:A:ASP:HA	1:28:A:LYS:HG3	6	0.53
(2,1655)	1:96:A:GLU:HA	1:131:A:LYS:HE3	4	0.53
(2,1634)	1:25:A:GLN:HE21	1:162:A:LYS:HG3	9	0.53
(2,1389)	1:16:A:GLU:HG3	1:8:A:PHE:HB2	12	0.53
(2,1222)	1:30:A:VAL:HG11	1:31:A:ALA:HA	2	0.53
(2,1222)	1:30:A:VAL:HG12	1:31:A:ALA:HA	2	0.53
(2,1222)	1:30:A:VAL:HG13	1:31:A:ALA:HA	2	0.53
(2,1203)	1:30:A:VAL:HG11	1:174:A:LEU:HA	8	0.53
(2,1203)	1:30:A:VAL:HG12	1:174:A:LEU:HA	8	0.53
(2,1203)	1:30:A:VAL:HG13	1:174:A:LEU:HA	8	0.53
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG11	15	0.53
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG12	15	0.53
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG13	15	0.53
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG11	15	0.53
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG12	15	0.53
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG13	15	0.53
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG11	15	0.53
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG12	15	0.53
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG13	15	0.53
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG11	16	0.53
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG12	16	0.53
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG13	16	0.53
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG11	16	0.53
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG12	16	0.53
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG13	16	0.53
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG11	16	0.53
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG12	16	0.53
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG13	16	0.53
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG21	6	0.53
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG22	6	0.53
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG23	6	0.53
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD11	15	0.53
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD12	15	0.53
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD13	15	0.53
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD11	12	0.53
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD12	12	0.53
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD13	12	0.53
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD11	12	0.53
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD12	12	0.53
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD13	12	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,442)	1:25:A:GLN:H	1:24:A:LYS:HB2	7	0.53
(2,388)	1:172:A:GLU:H	1:171:A:ASP:HB2	13	0.53
(2,388)	1:172:A:GLU:H	1:171:A:ASP:HB2	17	0.53
(2,155)	1:12:A:THR:HB	1:57:A:TRP:HZ2	10	0.53
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE1	8	0.53
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE2	8	0.53
(3,685)	1:20:A:LYS:HG2	1:23:A:GLN:HE21	2	0.52
(3,522)	1:108:A:ILE:HG12	1:105:A:ILE:H	5	0.52
(2,5355)	1:142:A:LEU:HD11	1:120:A:TRP:HE1	5	0.52
(2,5355)	1:142:A:LEU:HD12	1:120:A:TRP:HE1	5	0.52
(2,5355)	1:142:A:LEU:HD13	1:120:A:TRP:HE1	5	0.52
(2,5242)	1:159:A:LYS:HG3	1:160:A:TRP:H	17	0.52
(2,5166)	1:149:A:GLN:HG3	1:148:A:ARG:H	5	0.52
(2,5163)	1:148:A:ARG:HD3	1:148:A:ARG:H	2	0.52
(2,4957)	1:111:A:PRO:HD3	1:108:A:ILE:H	10	0.52
(2,4842)	1:113:A:GLY:HA3	1:79:A:ASN:HD22	19	0.52
(2,4842)	1:113:A:GLY:HA2	1:79:A:ASN:HD22	19	0.52
(2,4180)	1:102:A:LEU:HD11	1:87:A:GLY:H	1	0.52
(2,4180)	1:102:A:LEU:HD12	1:87:A:GLY:H	1	0.52
(2,4180)	1:102:A:LEU:HD13	1:87:A:GLY:H	1	0.52
(2,4124)	1:25:A:GLN:HA	1:25:A:GLN:HE21	9	0.52
(2,4107)	1:136:A:ASP:HB2	1:137:A:ASP:H	12	0.52
(2,4073)	1:111:A:PRO:HD3	1:112:A:ARG:H	14	0.52
(2,4052)	1:38:A:LYS:HD2	1:38:A:LYS:H	2	0.52
(2,4036)	1:112:A:ARG:HB2	1:112:A:ARG:HE	16	0.52
(2,4015)	1:28:A:LYS:HB2	1:29:A:ASP:H	10	0.52
(2,4015)	1:28:A:LYS:HB2	1:29:A:ASP:H	20	0.52
(2,3902)	1:158:A:GLU:HB3	1:159:A:LYS:H	14	0.52
(2,3876)	1:171:A:ASP:HB2	1:172:A:GLU:H	10	0.52
(2,3876)	1:171:A:ASP:HB2	1:172:A:GLU:H	14	0.52
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	4	0.52
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	4	0.52
(2,3792)	1:155:A:GLU:HG3	1:156:A:ARG:H	4	0.52
(2,3783)	1:92:A:GLU:HG3	1:93:A:ASP:H	3	0.52
(2,3684)	1:158:A:GLU:HA	1:162:A:LYS:H	15	0.52
(2,3516)	1:175:A:ASN:HB2	1:172:A:GLU:HA	14	0.52
(2,3464)	1:170:A:LEU:HB3	1:165:A:SER:HA	1	0.52
(2,3394)	1:159:A:LYS:HE2	1:159:A:LYS:HA	6	0.52
(2,3394)	1:159:A:LYS:HE2	1:159:A:LYS:HA	16	0.52
(2,3388)	1:112:A:ARG:HB3	1:78:A:PHE:HA	7	0.52
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG21	17	0.52
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG22	17	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG23	17	0.52
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG21	18	0.52
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG22	18	0.52
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG23	18	0.52
(2,3376)	1:21:A:MET:HG3	1:157:A:VAL:HG11	1	0.52
(2,3376)	1:21:A:MET:HG3	1:157:A:VAL:HG12	1	0.52
(2,3376)	1:21:A:MET:HG3	1:157:A:VAL:HG13	1	0.52
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD11	15	0.52
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD12	15	0.52
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD13	15	0.52
(2,3259)	1:41:A:LYS:HG3	1:42:A:GLU:HG3	8	0.52
(2,3184)	1:140:A:VAL:HG21	1:134:A:ALA:HB1	19	0.52
(2,3184)	1:140:A:VAL:HG21	1:134:A:ALA:HB2	19	0.52
(2,3184)	1:140:A:VAL:HG21	1:134:A:ALA:HB3	19	0.52
(2,3184)	1:140:A:VAL:HG22	1:134:A:ALA:HB1	19	0.52
(2,3184)	1:140:A:VAL:HG22	1:134:A:ALA:HB2	19	0.52
(2,3184)	1:140:A:VAL:HG22	1:134:A:ALA:HB3	19	0.52
(2,3184)	1:140:A:VAL:HG23	1:134:A:ALA:HB1	19	0.52
(2,3184)	1:140:A:VAL:HG23	1:134:A:ALA:HB2	19	0.52
(2,3184)	1:140:A:VAL:HG23	1:134:A:ALA:HB3	19	0.52
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD11	18	0.52
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD12	18	0.52
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD13	18	0.52
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD11	18	0.52
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD12	18	0.52
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD13	18	0.52
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD11	18	0.52
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD12	18	0.52
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD13	18	0.52
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG21	18	0.52
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG22	18	0.52
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG23	18	0.52
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG21	18	0.52
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG22	18	0.52
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG23	18	0.52
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG21	18	0.52
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG22	18	0.52
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG23	18	0.52
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD11	7	0.52
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD12	7	0.52
(2,3007)	1:110:A:GLU:HG2	1:116:A:ILE:HD13	7	0.52
(2,2983)	1:116:A:ILE:HD11	1:115:A:THR:HA	2	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2983)	1:116:A:ILE:HD12	1:115:A:THR:HA	2	0.52
(2,2983)	1:116:A:ILE:HD13	1:115:A:THR:HA	2	0.52
(2,2983)	1:116:A:ILE:HD11	1:115:A:THR:HA	11	0.52
(2,2983)	1:116:A:ILE:HD12	1:115:A:THR:HA	11	0.52
(2,2983)	1:116:A:ILE:HD13	1:115:A:THR:HA	11	0.52
(2,2880)	1:112:A:ARG:HG3	1:108:A:ILE:HG21	12	0.52
(2,2880)	1:112:A:ARG:HG3	1:108:A:ILE:HG22	12	0.52
(2,2880)	1:112:A:ARG:HG3	1:108:A:ILE:HG23	12	0.52
(2,2839)	1:107:A:ASP:HA	1:106:A:ARG:HD3	7	0.52
(2,2664)	1:93:A:ASP:HB3	1:92:A:GLU:HA	20	0.52
(2,2620)	1:102:A:LEU:HD11	1:86:A:PHE:HA	2	0.52
(2,2620)	1:102:A:LEU:HD12	1:86:A:PHE:HA	2	0.52
(2,2620)	1:102:A:LEU:HD13	1:86:A:PHE:HA	2	0.52
(2,2520)	1:79:A:ASN:HB2	1:113:A:GLY:HA2	4	0.52
(2,2460)	1:162:A:LYS:HE2	1:158:A:GLU:HG3	2	0.52
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD21	9	0.52
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD22	9	0.52
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD23	9	0.52
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD21	17	0.52
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD22	17	0.52
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD23	17	0.52
(2,2173)	1:49:A:ILE:HG12	1:82:A:LEU:HB3	5	0.52
(2,2036)	1:76:A:ILE:HD11	1:44:A:LEU:HD21	14	0.52
(2,2036)	1:76:A:ILE:HD11	1:44:A:LEU:HD22	14	0.52
(2,2036)	1:76:A:ILE:HD11	1:44:A:LEU:HD23	14	0.52
(2,2036)	1:76:A:ILE:HD12	1:44:A:LEU:HD21	14	0.52
(2,2036)	1:76:A:ILE:HD12	1:44:A:LEU:HD22	14	0.52
(2,2036)	1:76:A:ILE:HD12	1:44:A:LEU:HD23	14	0.52
(2,2036)	1:76:A:ILE:HD13	1:44:A:LEU:HD21	14	0.52
(2,2036)	1:76:A:ILE:HD13	1:44:A:LEU:HD22	14	0.52
(2,2036)	1:76:A:ILE:HD13	1:44:A:LEU:HD23	14	0.52
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD11	11	0.52
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD12	11	0.52
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD13	11	0.52
(2,1973)	1:156:A:ARG:H	1:155:A:GLU:HG3	4	0.52
(2,1972)	1:159:A:LYS:H	1:158:A:GLU:HG2	7	0.52
(2,1972)	1:159:A:LYS:H	1:158:A:GLU:HG2	17	0.52
(2,1731)	1:27:A:GLY:HA2	1:24:A:LYS:HD2	5	0.52
(2,1719)	1:29:A:ASP:H	1:28:A:LYS:HB2	10	0.52
(2,1719)	1:29:A:ASP:H	1:28:A:LYS:HB2	20	0.52
(2,1686)	1:170:A:LEU:HD11	1:26:A:LEU:HG	5	0.52
(2,1686)	1:170:A:LEU:HD12	1:26:A:LEU:HG	5	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1686)	1:170:A:LEU:HD13	1:26:A:LEU:HG	5	0.52
(2,1660)	1:25:A:GLN:HE22	1:162:A:LYS:HE2	20	0.52
(2,1654)	1:38:A:LYS:HA	1:38:A:LYS:HE3	19	0.52
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG21	10	0.52
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG22	10	0.52
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG23	10	0.52
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD11	14	0.52
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD12	14	0.52
(2,1238)	1:85:A:LEU:HB2	1:102:A:LEU:HD13	14	0.52
(2,1232)	1:158:A:GLU:HA	1:162:A:LYS:HE2	20	0.52
(2,1229)	1:16:A:GLU:HG3	1:20:A:LYS:HE3	19	0.52
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG21	8	0.52
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG22	8	0.52
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG23	8	0.52
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG21	3	0.52
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG22	3	0.52
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG23	3	0.52
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG11	15	0.52
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG12	15	0.52
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG13	15	0.52
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG11	20	0.52
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG12	20	0.52
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG13	20	0.52
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD21	20	0.52
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD22	20	0.52
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD23	20	0.52
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD11	5	0.52
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD12	5	0.52
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD13	5	0.52
(2,388)	1:172:A:GLU:H	1:171:A:ASP:HB2	10	0.52
(2,388)	1:172:A:GLU:H	1:171:A:ASP:HB2	14	0.52
(2,119)	1:120:A:TRP:H	1:160:A:TRP:HD1	6	0.52
(3,378)	1:6:A:ILE:HG12	1:33:A:VAL:H	20	0.51
(3,288)	1:25:A:GLN:HG2	1:161:A:VAL:HA	11	0.51
(3,66)	1:17:A:ASN:H	1:21:A:MET:HE1	8	0.51
(3,66)	1:17:A:ASN:H	1:21:A:MET:HE2	8	0.51
(3,66)	1:17:A:ASN:H	1:21:A:MET:HE3	8	0.51
(3,35)	1:158:A:GLU:H	1:120:A:TRP:HZ2	16	0.51
(2,5326)	1:170:A:LEU:HD11	1:171:A:ASP:H	4	0.51
(2,5326)	1:170:A:LEU:HD12	1:171:A:ASP:H	4	0.51
(2,5326)	1:170:A:LEU:HD13	1:171:A:ASP:H	4	0.51
(2,5210)	1:157:A:VAL:HG11	1:156:A:ARG:H	15	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5210)	1:157:A:VAL:HG12	1:156:A:ARG:H	15	0.51
(2,5210)	1:157:A:VAL:HG13	1:156:A:ARG:H	15	0.51
(2,5197)	1:155:A:GLU:HG2	1:154:A:ALA:H	14	0.51
(2,5197)	1:155:A:GLU:HG2	1:154:A:ALA:H	17	0.51
(2,5124)	1:102:A:LEU:HD11	1:142:A:LEU:H	6	0.51
(2,5124)	1:102:A:LEU:HD12	1:142:A:LEU:H	6	0.51
(2,5124)	1:102:A:LEU:HD13	1:142:A:LEU:H	6	0.51
(2,4998)	1:116:A:ILE:HD11	1:115:A:THR:H	16	0.51
(2,4998)	1:116:A:ILE:HD12	1:115:A:THR:H	16	0.51
(2,4998)	1:116:A:ILE:HD13	1:115:A:THR:H	16	0.51
(2,4901)	1:128:A:GLU:HB2	1:98:A:PHE:H	7	0.51
(2,4722)	1:65:A:ASP:HB2	1:66:A:TRP:H	16	0.51
(2,4537)	1:38:A:LYS:HD2	1:35:A:ASP:H	13	0.51
(2,4481)	1:25:A:GLN:HA	1:25:A:GLN:HE22	9	0.51
(2,4148)	1:15:A:THR:HG21	1:53:A:GLY:H	11	0.51
(2,4148)	1:15:A:THR:HG22	1:53:A:GLY:H	11	0.51
(2,4148)	1:15:A:THR:HG23	1:53:A:GLY:H	11	0.51
(2,4146)	1:133:A:LEU:HD21	1:130:A:SER:H	14	0.51
(2,4146)	1:133:A:LEU:HD22	1:130:A:SER:H	14	0.51
(2,4146)	1:133:A:LEU:HD23	1:130:A:SER:H	14	0.51
(2,4098)	1:45:A:GLU:HG2	1:45:A:GLU:H	6	0.51
(2,4002)	1:75:A:GLU:HG3	1:75:A:GLU:H	4	0.51
(2,4002)	1:75:A:GLU:HG3	1:75:A:GLU:H	6	0.51
(2,3876)	1:171:A:ASP:HB2	1:172:A:GLU:H	4	0.51
(2,3876)	1:171:A:ASP:HB2	1:172:A:GLU:H	9	0.51
(2,3876)	1:171:A:ASP:HB2	1:172:A:GLU:H	12	0.51
(2,3876)	1:171:A:ASP:HB2	1:172:A:GLU:H	19	0.51
(2,3876)	1:171:A:ASP:HB2	1:172:A:GLU:H	20	0.51
(2,3853)	1:44:A:LEU:HD11	1:43:A:ASP:H	15	0.51
(2,3853)	1:44:A:LEU:HD12	1:43:A:ASP:H	15	0.51
(2,3853)	1:44:A:LEU:HD13	1:43:A:ASP:H	15	0.51
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD21	8	0.51
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD22	8	0.51
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD23	8	0.51
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD21	8	0.51
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD22	8	0.51
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD23	8	0.51
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD21	8	0.51
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD22	8	0.51
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD23	8	0.51
(2,3464)	1:170:A:LEU:HB3	1:165:A:SER:HA	16	0.51
(2,3394)	1:159:A:LYS:HE2	1:159:A:LYS:HA	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3394)	1:159:A:LYS:HE2	1:159:A:LYS:HA	19	0.51
(2,3306)	1:152:A:LEU:HG	1:151:A:GLU:HG3	5	0.51
(2,3306)	1:152:A:LEU:HG	1:151:A:GLU:HG3	19	0.51
(2,3176)	1:140:A:VAL:HG11	1:134:A:ALA:HA	4	0.51
(2,3176)	1:140:A:VAL:HG12	1:134:A:ALA:HA	4	0.51
(2,3176)	1:140:A:VAL:HG13	1:134:A:ALA:HA	4	0.51
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG21	2	0.51
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG22	2	0.51
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG23	2	0.51
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG21	11	0.51
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG22	11	0.51
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG23	11	0.51
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG21	13	0.51
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG22	13	0.51
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG23	13	0.51
(2,2985)	1:163:A:GLN:HG2	1:160:A:TRP:HA	7	0.51
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG21	12	0.51
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG22	12	0.51
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG23	12	0.51
(2,2962)	1:109:A:ILE:HA	1:112:A:ARG:HD3	5	0.51
(2,2962)	1:109:A:ILE:HA	1:112:A:ARG:HD3	16	0.51
(2,2921)	1:110:A:GLU:HG2	1:110:A:GLU:HA	1	0.51
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD11	3	0.51
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD12	3	0.51
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD13	3	0.51
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD11	3	0.51
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD12	3	0.51
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD13	3	0.51
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD11	3	0.51
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD12	3	0.51
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD13	3	0.51
(2,2799)	1:85:A:LEU:HD11	1:105:A:ILE:HB	9	0.51
(2,2799)	1:85:A:LEU:HD12	1:105:A:ILE:HB	9	0.51
(2,2799)	1:85:A:LEU:HD13	1:105:A:ILE:HB	9	0.51
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB1	20	0.51
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB2	20	0.51
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB3	20	0.51
(2,2547)	1:168:A:LEU:HD11	1:82:A:LEU:HB2	6	0.51
(2,2547)	1:168:A:LEU:HD12	1:82:A:LEU:HB2	6	0.51
(2,2547)	1:168:A:LEU:HD13	1:82:A:LEU:HB2	6	0.51
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG21	16	0.51
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG22	16	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG23	16	0.51
(2,2457)	1:162:A:LYS:HA	1:166:A:GLU:HG2	15	0.51
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD11	15	0.51
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD12	15	0.51
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD13	15	0.51
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD11	15	0.51
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD12	15	0.51
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD13	15	0.51
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD11	10	0.51
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD12	10	0.51
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD13	10	0.51
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD11	4	0.51
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD12	4	0.51
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD13	4	0.51
(2,2022)	1:72:A:THR:HG21	1:44:A:LEU:HD11	12	0.51
(2,2022)	1:72:A:THR:HG21	1:44:A:LEU:HD12	12	0.51
(2,2022)	1:72:A:THR:HG21	1:44:A:LEU:HD13	12	0.51
(2,2022)	1:72:A:THR:HG22	1:44:A:LEU:HD11	12	0.51
(2,2022)	1:72:A:THR:HG22	1:44:A:LEU:HD12	12	0.51
(2,2022)	1:72:A:THR:HG22	1:44:A:LEU:HD13	12	0.51
(2,2022)	1:72:A:THR:HG23	1:44:A:LEU:HD11	12	0.51
(2,2022)	1:72:A:THR:HG23	1:44:A:LEU:HD12	12	0.51
(2,2022)	1:72:A:THR:HG23	1:44:A:LEU:HD13	12	0.51
(2,2009)	1:39:A:SER:HB3	1:43:A:ASP:HB2	8	0.51
(2,1972)	1:159:A:LYS:H	1:158:A:GLU:HG2	10	0.51
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG21	10	0.51
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG22	10	0.51
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG23	10	0.51
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG21	13	0.51
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG22	13	0.51
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG23	13	0.51
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG21	15	0.51
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG22	15	0.51
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG23	15	0.51
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG21	2	0.51
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG22	2	0.51
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG23	2	0.51
(2,1732)	1:131:A:LYS:H	1:131:A:LYS:HE2	19	0.51
(2,1654)	1:38:A:LYS:HA	1:38:A:LYS:HE3	13	0.51
(2,1654)	1:38:A:LYS:HA	1:38:A:LYS:HE3	17	0.51
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG11	6	0.51
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG12	6	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG13	6	0.51
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG11	4	0.51
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG12	4	0.51
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG13	4	0.51
(2,1526)	1:33:A:VAL:HB	1:20:A:LYS:HG3	4	0.51
(2,1315)	1:51:A:LEU:HD21	1:4:A:THR:HB	5	0.51
(2,1315)	1:51:A:LEU:HD22	1:4:A:THR:HB	5	0.51
(2,1315)	1:51:A:LEU:HD23	1:4:A:THR:HB	5	0.51
(2,1232)	1:158:A:GLU:HA	1:162:A:LYS:HE2	14	0.51
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG11	8	0.51
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG12	8	0.51
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG13	8	0.51
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD21	5	0.51
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD22	5	0.51
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD23	5	0.51
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD21	8	0.51
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD22	8	0.51
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD23	8	0.51
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD21	18	0.51
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD22	18	0.51
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD23	18	0.51
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG21	4	0.51
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG22	4	0.51
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG23	4	0.51
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG11	4	0.51
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG12	4	0.51
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG13	4	0.51
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD21	7	0.51
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD22	7	0.51
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD23	7	0.51
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD21	7	0.51
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD22	7	0.51
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD23	7	0.51
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD21	16	0.51
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD22	16	0.51
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD23	16	0.51
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD21	16	0.51
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD22	16	0.51
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD23	16	0.51
(2,442)	1:25:A:GLN:H	1:24:A:LYS:HB2	6	0.51
(2,388)	1:172:A:GLU:H	1:171:A:ASP:HB2	4	0.51
(2,388)	1:172:A:GLU:H	1:171:A:ASP:HB2	9	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,388)	1:172:A:GLU:H	1:171:A:ASP:HB2	12	0.51
(2,388)	1:172:A:GLU:H	1:171:A:ASP:HB2	19	0.51
(2,388)	1:172:A:GLU:H	1:171:A:ASP:HB2	20	0.51
(3,667)	1:172:A:GLU:HG2	1:169:A:HIS:H	13	0.5
(3,575)	1:96:A:GLU:HB2	1:128:A:GLU:H	19	0.5
(2,5370)	1:28:A:LYS:HG2	1:23:A:GLN:HE21	4	0.5
(2,5343)	1:171:A:ASP:HA	1:175:A:ASN:HD22	9	0.5
(2,5326)	1:170:A:LEU:HD11	1:171:A:ASP:H	9	0.5
(2,5326)	1:170:A:LEU:HD12	1:171:A:ASP:H	9	0.5
(2,5326)	1:170:A:LEU:HD13	1:171:A:ASP:H	9	0.5
(2,5326)	1:170:A:LEU:HD11	1:171:A:ASP:H	10	0.5
(2,5326)	1:170:A:LEU:HD12	1:171:A:ASP:H	10	0.5
(2,5326)	1:170:A:LEU:HD13	1:171:A:ASP:H	10	0.5
(2,5326)	1:170:A:LEU:HD11	1:171:A:ASP:H	16	0.5
(2,5326)	1:170:A:LEU:HD12	1:171:A:ASP:H	16	0.5
(2,5326)	1:170:A:LEU:HD13	1:171:A:ASP:H	16	0.5
(2,5324)	1:166:A:GLU:HB2	1:171:A:ASP:H	15	0.5
(2,5284)	1:167:A:GLU:HB3	1:166:A:GLU:H	2	0.5
(2,5284)	1:167:A:GLU:HB3	1:166:A:GLU:H	12	0.5
(2,5238)	1:25:A:GLN:HE22	1:160:A:TRP:H	19	0.5
(2,4901)	1:128:A:GLU:HB2	1:98:A:PHE:H	5	0.5
(2,4806)	1:81:A:LYS:HG2	1:82:A:LEU:H	3	0.5
(2,4789)	1:113:A:GLY:HA2	1:79:A:ASN:H	9	0.5
(2,4784)	1:113:A:GLY:HA2	1:78:A:PHE:H	10	0.5
(2,4555)	1:65:A:ASP:HB2	1:37:A:ALA:H	19	0.5
(2,4490)	1:174:A:LEU:HD11	1:26:A:LEU:H	5	0.5
(2,4490)	1:174:A:LEU:HD12	1:26:A:LEU:H	5	0.5
(2,4490)	1:174:A:LEU:HD13	1:26:A:LEU:H	5	0.5
(2,4481)	1:25:A:GLN:HA	1:25:A:GLN:HE22	2	0.5
(2,4366)	1:6:A:ILE:HG12	1:6:A:ILE:H	5	0.5
(2,4148)	1:15:A:THR:HG21	1:53:A:GLY:H	12	0.5
(2,4148)	1:15:A:THR:HG22	1:53:A:GLY:H	12	0.5
(2,4148)	1:15:A:THR:HG23	1:53:A:GLY:H	12	0.5
(2,4146)	1:133:A:LEU:HD21	1:130:A:SER:H	15	0.5
(2,4146)	1:133:A:LEU:HD22	1:130:A:SER:H	15	0.5
(2,4146)	1:133:A:LEU:HD23	1:130:A:SER:H	15	0.5
(2,4113)	1:167:A:GLU:HA	1:169:A:HIS:H	8	0.5
(2,4098)	1:45:A:GLU:HG2	1:45:A:GLU:H	7	0.5
(2,4015)	1:28:A:LYS:HB2	1:29:A:ASP:H	12	0.5
(2,3902)	1:158:A:GLU:HB3	1:159:A:LYS:H	9	0.5
(2,3876)	1:171:A:ASP:HB2	1:172:A:GLU:H	2	0.5
(2,3876)	1:171:A:ASP:HB2	1:172:A:GLU:H	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	6	0.5
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	6	0.5
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	10	0.5
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	10	0.5
(2,3794)	1:152:A:LEU:HB3	1:156:A:ARG:H	11	0.5
(2,3732)	1:165:A:SER:HB3	1:166:A:GLU:H	12	0.5
(2,3732)	1:165:A:SER:HB3	1:166:A:GLU:H	19	0.5
(2,3684)	1:158:A:GLU:HA	1:162:A:LYS:H	1	0.5
(2,3684)	1:158:A:GLU:HA	1:162:A:LYS:H	9	0.5
(2,3551)	1:59:A:TYR:HE1	1:58:A:TYR:HB2	14	0.5
(2,3551)	1:59:A:TYR:HE2	1:58:A:TYR:HB2	14	0.5
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD21	20	0.5
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD22	20	0.5
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD23	20	0.5
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD21	20	0.5
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD22	20	0.5
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD23	20	0.5
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD21	20	0.5
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD22	20	0.5
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD23	20	0.5
(2,3394)	1:159:A:LYS:HE2	1:159:A:LYS:HA	12	0.5
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG11	1	0.5
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG12	1	0.5
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG13	1	0.5
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG11	5	0.5
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG12	5	0.5
(2,3215)	1:102:A:LEU:HD11	1:140:A:VAL:HG13	5	0.5
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG11	5	0.5
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG12	5	0.5
(2,3215)	1:102:A:LEU:HD12	1:140:A:VAL:HG13	5	0.5
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG11	5	0.5
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG12	5	0.5
(2,3215)	1:102:A:LEU:HD13	1:140:A:VAL:HG13	5	0.5
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD11	2	0.5
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD12	2	0.5
(2,3167)	1:139:A:PHE:H	1:133:A:LEU:HD13	2	0.5
(2,2944)	1:110:A:GLU:HB2	1:111:A:PRO:HD2	6	0.5
(2,2921)	1:110:A:GLU:HG2	1:110:A:GLU:HA	5	0.5
(2,2664)	1:93:A:ASP:HB3	1:92:A:GLU:HA	9	0.5
(2,2566)	1:168:A:LEU:H	1:164:A:ILE:HG12	9	0.5
(2,2564)	1:150:A:PRO:HA	1:144:A:ILE:HG12	12	0.5
(2,2531)	1:50:A:LEU:HD21	1:81:A:LYS:HD2	18	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2531)	1:50:A:LEU:HD22	1:81:A:LYS:HD2	18	0.5
(2,2531)	1:50:A:LEU:HD23	1:81:A:LYS:HD2	18	0.5
(2,2529)	1:25:A:GLN:HE21	1:162:A:LYS:HG2	6	0.5
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG21	5	0.5
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG22	5	0.5
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG23	5	0.5
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG21	8	0.5
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG22	8	0.5
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG23	8	0.5
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG2	11	0.5
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG3	11	0.5
(2,2457)	1:162:A:LYS:HA	1:166:A:GLU:HG2	12	0.5
(2,2455)	1:72:A:THR:HA	1:75:A:GLU:HG2	11	0.5
(2,2431)	1:52:A:LEU:HD11	1:73:A:LEU:HB2	15	0.5
(2,2431)	1:52:A:LEU:HD12	1:73:A:LEU:HB2	15	0.5
(2,2431)	1:52:A:LEU:HD13	1:73:A:LEU:HB2	15	0.5
(2,2297)	1:58:A:TYR:HB3	1:61:A:GLU:HG3	6	0.5
(2,2297)	1:58:A:TYR:HB3	1:61:A:GLU:HG2	6	0.5
(2,2275)	1:158:A:GLU:HG3	1:155:A:GLU:HA	2	0.5
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD11	9	0.5
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD12	9	0.5
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD13	9	0.5
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD11	9	0.5
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD12	9	0.5
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD13	9	0.5
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG21	8	0.5
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG22	8	0.5
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG23	8	0.5
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG21	8	0.5
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG22	8	0.5
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG23	8	0.5
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG21	8	0.5
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG22	8	0.5
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG23	8	0.5
(2,2040)	1:73:A:LEU:HB2	1:44:A:LEU:HD21	14	0.5
(2,2040)	1:73:A:LEU:HB2	1:44:A:LEU:HD22	14	0.5
(2,2040)	1:73:A:LEU:HB2	1:44:A:LEU:HD23	14	0.5
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD11	9	0.5
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD12	9	0.5
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD13	9	0.5
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD11	9	0.5
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD12	9	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD13	9	0.5
(2,1972)	1:159:A:LYS:H	1:158:A:GLU:HG2	9	0.5
(2,1972)	1:159:A:LYS:H	1:158:A:GLU:HG2	20	0.5
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG21	14	0.5
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG22	14	0.5
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG23	14	0.5
(2,1719)	1:29:A:ASP:H	1:28:A:LYS:HB2	12	0.5
(2,1656)	1:23:A:GLN:HE22	1:28:A:LYS:HE2	17	0.5
(2,1577)	1:25:A:GLN:HB3	1:22:A:ILE:HA	1	0.5
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG21	4	0.5
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG22	4	0.5
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG23	4	0.5
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG21	17	0.5
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG22	17	0.5
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG23	17	0.5
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD11	7	0.5
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD12	7	0.5
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD13	7	0.5
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD11	7	0.5
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD12	7	0.5
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD13	7	0.5
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD11	7	0.5
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD12	7	0.5
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD13	7	0.5
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD11	7	0.5
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD12	7	0.5
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD13	7	0.5
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD11	7	0.5
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD12	7	0.5
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD13	7	0.5
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD11	7	0.5
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD12	7	0.5
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD13	7	0.5
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD11	19	0.5
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD12	19	0.5
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD13	19	0.5
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD11	19	0.5
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD12	19	0.5
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD13	19	0.5
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD11	19	0.5
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD12	19	0.5
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD13	19	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD11	19	0.5
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD12	19	0.5
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD13	19	0.5
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD11	19	0.5
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD12	19	0.5
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD13	19	0.5
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD11	19	0.5
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD12	19	0.5
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD13	19	0.5
(2,748)	1:155:A:GLU:HA	1:158:A:GLU:HG3	2	0.5
(2,731)	1:170:A:LEU:HA	1:173:A:ILE:HB	12	0.5
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG21	20	0.5
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG22	20	0.5
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG23	20	0.5
(2,570)	1:139:A:PHE:HE1	1:133:A:LEU:HD11	18	0.5
(2,570)	1:139:A:PHE:HE1	1:133:A:LEU:HD12	18	0.5
(2,570)	1:139:A:PHE:HE1	1:133:A:LEU:HD13	18	0.5
(2,570)	1:139:A:PHE:HE2	1:133:A:LEU:HD11	18	0.5
(2,570)	1:139:A:PHE:HE2	1:133:A:LEU:HD12	18	0.5
(2,570)	1:139:A:PHE:HE2	1:133:A:LEU:HD13	18	0.5
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD11	13	0.5
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD12	13	0.5
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD13	13	0.5
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD11	13	0.5
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD12	13	0.5
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD13	13	0.5
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD11	19	0.5
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD12	19	0.5
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD13	19	0.5
(2,472)	1:173:A:ILE:H	1:173:A:ILE:HG12	3	0.5
(2,442)	1:25:A:GLN:H	1:24:A:LYS:HB2	16	0.5
(2,388)	1:172:A:GLU:H	1:171:A:ASP:HB2	2	0.5
(2,388)	1:172:A:GLU:H	1:171:A:ASP:HB2	5	0.5
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE1	3	0.5
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE2	3	0.5
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE1	3	0.5
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE2	3	0.5
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE1	3	0.5
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE2	3	0.5
(2,135)	1:142:A:LEU:HD11	1:120:A:TRP:HD1	2	0.5
(2,135)	1:142:A:LEU:HD12	1:120:A:TRP:HD1	2	0.5
(2,135)	1:142:A:LEU:HD13	1:120:A:TRP:HD1	2	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,64)	1:61:A:GLU:HG3	1:58:A:TYR:HD1	4	0.5
(2,64)	1:61:A:GLU:HG3	1:58:A:TYR:HD2	4	0.5
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD22	13	0.49
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD21	13	0.49
(3,609)	1:157:A:VAL:HG11	1:144:A:ILE:H	12	0.49
(3,609)	1:157:A:VAL:HG12	1:144:A:ILE:H	12	0.49
(3,609)	1:157:A:VAL:HG13	1:144:A:ILE:H	12	0.49
(3,522)	1:108:A:ILE:HG12	1:105:A:ILE:H	7	0.49
(3,106)	1:45:A:GLU:H	1:39:A:SER:HB3	16	0.49
(2,5343)	1:171:A:ASP:HA	1:175:A:ASN:HD22	11	0.49
(2,5343)	1:171:A:ASP:HA	1:175:A:ASN:HD22	17	0.49
(2,5343)	1:171:A:ASP:HA	1:175:A:ASN:HD22	19	0.49
(2,5326)	1:170:A:LEU:HD11	1:171:A:ASP:H	7	0.49
(2,5326)	1:170:A:LEU:HD12	1:171:A:ASP:H	7	0.49
(2,5326)	1:170:A:LEU:HD13	1:171:A:ASP:H	7	0.49
(2,5326)	1:170:A:LEU:HD11	1:171:A:ASP:H	8	0.49
(2,5326)	1:170:A:LEU:HD12	1:171:A:ASP:H	8	0.49
(2,5326)	1:170:A:LEU:HD13	1:171:A:ASP:H	8	0.49
(2,5301)	1:164:A:ILE:HD11	1:168:A:LEU:H	14	0.49
(2,5301)	1:164:A:ILE:HD12	1:168:A:LEU:H	14	0.49
(2,5301)	1:164:A:ILE:HD13	1:168:A:LEU:H	14	0.49
(2,5284)	1:167:A:GLU:HB3	1:166:A:GLU:H	3	0.49
(2,5163)	1:148:A:ARG:HD3	1:148:A:ARG:H	18	0.49
(2,5111)	1:102:A:LEU:HD11	1:140:A:VAL:H	5	0.49
(2,5111)	1:102:A:LEU:HD12	1:140:A:VAL:H	5	0.49
(2,5111)	1:102:A:LEU:HD13	1:140:A:VAL:H	5	0.49
(2,5077)	1:133:A:LEU:HD11	1:134:A:ALA:H	1	0.49
(2,5077)	1:133:A:LEU:HD12	1:134:A:ALA:H	1	0.49
(2,5077)	1:133:A:LEU:HD13	1:134:A:ALA:H	1	0.49
(2,4998)	1:116:A:ILE:HD11	1:115:A:THR:H	20	0.49
(2,4998)	1:116:A:ILE:HD12	1:115:A:THR:H	20	0.49
(2,4998)	1:116:A:ILE:HD13	1:115:A:THR:H	20	0.49
(2,4951)	1:108:A:ILE:HG12	1:107:A:ASP:H	12	0.49
(2,4901)	1:128:A:GLU:HB2	1:98:A:PHE:H	8	0.49
(2,4705)	1:61:A:GLU:HG3	1:62:A:ALA:H	11	0.49
(2,4640)	1:50:A:LEU:HD11	1:49:A:ILE:H	9	0.49
(2,4640)	1:50:A:LEU:HD12	1:49:A:ILE:H	9	0.49
(2,4640)	1:50:A:LEU:HD13	1:49:A:ILE:H	9	0.49
(2,4555)	1:65:A:ASP:HB2	1:37:A:ALA:H	11	0.49
(2,4509)	1:28:A:LYS:HG3	1:30:A:VAL:H	17	0.49
(2,4481)	1:25:A:GLN:HA	1:25:A:GLN:HE22	14	0.49
(2,4412)	1:8:A:PHE:HB2	1:16:A:GLU:H	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3987)	1:49:A:ILE:HD11	1:170:A:LEU:H	19	0.49
(2,3987)	1:49:A:ILE:HD12	1:170:A:LEU:H	19	0.49
(2,3987)	1:49:A:ILE:HD13	1:170:A:LEU:H	19	0.49
(2,3921)	1:45:A:GLU:HB2	1:44:A:LEU:H	16	0.49
(2,3916)	1:105:A:ILE:HG12	1:105:A:ILE:H	4	0.49
(2,3902)	1:158:A:GLU:HB3	1:159:A:LYS:H	1	0.49
(2,3876)	1:171:A:ASP:HB2	1:172:A:GLU:H	3	0.49
(2,3876)	1:171:A:ASP:HB2	1:172:A:GLU:H	11	0.49
(2,3876)	1:171:A:ASP:HB2	1:172:A:GLU:H	15	0.49
(2,3860)	1:139:A:PHE:HB2	1:140:A:VAL:H	7	0.49
(2,3860)	1:139:A:PHE:HB2	1:140:A:VAL:H	16	0.49
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	8	0.49
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	8	0.49
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	9	0.49
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	9	0.49
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	20	0.49
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	20	0.49
(2,3798)	1:10:A:SER:HB3	1:16:A:GLU:H	10	0.49
(2,3732)	1:165:A:SER:HB3	1:166:A:GLU:H	15	0.49
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD21	18	0.49
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD22	18	0.49
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD23	18	0.49
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD21	18	0.49
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD22	18	0.49
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD23	18	0.49
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD21	18	0.49
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD22	18	0.49
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD23	18	0.49
(2,3464)	1:170:A:LEU:HB3	1:165:A:SER:HA	12	0.49
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD11	3	0.49
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD12	3	0.49
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD13	3	0.49
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD11	9	0.49
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD12	9	0.49
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD13	9	0.49
(2,2921)	1:110:A:GLU:HG2	1:110:A:GLU:HA	6	0.49
(2,2921)	1:110:A:GLU:HG2	1:110:A:GLU:HA	16	0.49
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG21	18	0.49
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG22	18	0.49
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG23	18	0.49
(2,2799)	1:85:A:LEU:HD11	1:105:A:ILE:HB	7	0.49
(2,2799)	1:85:A:LEU:HD12	1:105:A:ILE:HB	7	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2799)	1:85:A:LEU:HD13	1:105:A:ILE:HB	7	0.49
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD11	5	0.49
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD12	5	0.49
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD13	5	0.49
(2,2664)	1:93:A:ASP:HB3	1:92:A:GLU:HA	12	0.49
(2,2566)	1:168:A:LEU:H	1:164:A:ILE:HG12	5	0.49
(2,2547)	1:168:A:LEU:HD11	1:82:A:LEU:HB2	13	0.49
(2,2547)	1:168:A:LEU:HD12	1:82:A:LEU:HB2	13	0.49
(2,2547)	1:168:A:LEU:HD13	1:82:A:LEU:HB2	13	0.49
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG21	4	0.49
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG22	4	0.49
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG23	4	0.49
(2,2431)	1:52:A:LEU:HD11	1:73:A:LEU:HB2	2	0.49
(2,2431)	1:52:A:LEU:HD12	1:73:A:LEU:HB2	2	0.49
(2,2431)	1:52:A:LEU:HD13	1:73:A:LEU:HB2	2	0.49
(2,2431)	1:52:A:LEU:HD11	1:73:A:LEU:HB2	9	0.49
(2,2431)	1:52:A:LEU:HD12	1:73:A:LEU:HB2	9	0.49
(2,2431)	1:52:A:LEU:HD13	1:73:A:LEU:HB2	9	0.49
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD11	18	0.49
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD12	18	0.49
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD13	18	0.49
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD11	18	0.49
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD12	18	0.49
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD13	18	0.49
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD11	8	0.49
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD12	8	0.49
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD13	8	0.49
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD11	8	0.49
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD12	8	0.49
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD13	8	0.49
(2,2130)	1:120:A:TRP:HH2	1:159:A:LYS:HG2	14	0.49
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB1	1	0.49
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB2	1	0.49
(2,2058)	1:42:A:GLU:HB2	1:46:A:ALA:HB3	1	0.49
(2,1972)	1:159:A:LYS:H	1:158:A:GLU:HG2	5	0.49
(2,1972)	1:159:A:LYS:H	1:158:A:GLU:HG2	13	0.49
(2,1958)	1:17:A:ASN:HA	1:20:A:LYS:HE3	1	0.49
(2,1958)	1:17:A:ASN:HA	1:20:A:LYS:HE3	7	0.49
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB3	2	0.49
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB2	2	0.49
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB1	17	0.49
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB2	17	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB3	17	0.49
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG11	10	0.49
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG12	10	0.49
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG13	10	0.49
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG11	10	0.49
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG12	10	0.49
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG13	10	0.49
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG11	10	0.49
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG12	10	0.49
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG13	10	0.49
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD11	3	0.49
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD12	3	0.49
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD13	3	0.49
(2,1689)	1:30:A:VAL:HG11	1:26:A:LEU:HG	13	0.49
(2,1689)	1:30:A:VAL:HG12	1:26:A:LEU:HG	13	0.49
(2,1689)	1:30:A:VAL:HG13	1:26:A:LEU:HG	13	0.49
(2,1531)	1:38:A:LYS:H	1:38:A:LYS:HD2	8	0.49
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG21	9	0.49
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG22	9	0.49
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG23	9	0.49
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG21	20	0.49
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG22	20	0.49
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG23	20	0.49
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD11	15	0.49
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD12	15	0.49
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD13	15	0.49
(2,1465)	1:18:A:ILE:HD11	1:17:A:ASN:HB2	15	0.49
(2,1465)	1:18:A:ILE:HD12	1:17:A:ASN:HB2	15	0.49
(2,1465)	1:18:A:ILE:HD13	1:17:A:ASN:HB2	15	0.49
(2,1315)	1:51:A:LEU:HD21	1:4:A:THR:HB	13	0.49
(2,1315)	1:51:A:LEU:HD22	1:4:A:THR:HB	13	0.49
(2,1315)	1:51:A:LEU:HD23	1:4:A:THR:HB	13	0.49
(2,1279)	1:168:A:LEU:HD11	1:170:A:LEU:HG	3	0.49
(2,1279)	1:168:A:LEU:HD12	1:170:A:LEU:HG	3	0.49
(2,1279)	1:168:A:LEU:HD13	1:170:A:LEU:HG	3	0.49
(2,1119)	1:117:A:VAL:HG11	1:164:A:ILE:HA	5	0.49
(2,1119)	1:117:A:VAL:HG12	1:164:A:ILE:HA	5	0.49
(2,1119)	1:117:A:VAL:HG13	1:164:A:ILE:HA	5	0.49
(2,1119)	1:117:A:VAL:HG11	1:164:A:ILE:HA	6	0.49
(2,1119)	1:117:A:VAL:HG12	1:164:A:ILE:HA	6	0.49
(2,1119)	1:117:A:VAL:HG13	1:164:A:ILE:HA	6	0.49
(2,1119)	1:117:A:VAL:HG11	1:164:A:ILE:HA	16	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1119)	1:117:A:VAL:HG12	1:164:A:ILE:HA	16	0.49
(2,1119)	1:117:A:VAL:HG13	1:164:A:ILE:HA	16	0.49
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD21	16	0.49
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD22	16	0.49
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD23	16	0.49
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG11	17	0.49
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG12	17	0.49
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG13	17	0.49
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG11	5	0.49
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG12	5	0.49
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG13	5	0.49
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG11	6	0.49
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG12	6	0.49
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG13	6	0.49
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG11	16	0.49
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG12	16	0.49
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG13	16	0.49
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD21	13	0.49
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD22	13	0.49
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD23	13	0.49
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD11	9	0.49
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD12	9	0.49
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD13	9	0.49
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD21	7	0.49
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD22	7	0.49
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD23	7	0.49
(2,833)	1:21:A:MET:HA	1:24:A:LYS:HG3	11	0.49
(2,833)	1:21:A:MET:HA	1:24:A:LYS:HG2	11	0.49
(2,783)	1:76:A:ILE:HA	1:41:A:LYS:HD2	9	0.49
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG21	15	0.49
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG22	15	0.49
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG23	15	0.49
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD11	15	0.49
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD12	15	0.49
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD13	15	0.49
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD11	15	0.49
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD12	15	0.49
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD13	15	0.49
(2,525)	1:86:A:PHE:HD1	1:142:A:LEU:HG	14	0.49
(2,525)	1:86:A:PHE:HD2	1:142:A:LEU:HG	14	0.49
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD11	17	0.49
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD12	17	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD13	17	0.49
(2,496)	1:49:A:ILE:H	1:50:A:LEU:HD11	9	0.49
(2,496)	1:49:A:ILE:H	1:50:A:LEU:HD12	9	0.49
(2,496)	1:49:A:ILE:H	1:50:A:LEU:HD13	9	0.49
(2,442)	1:25:A:GLN:H	1:24:A:LYS:HB2	20	0.49
(2,388)	1:172:A:GLU:H	1:171:A:ASP:HB2	3	0.49
(2,388)	1:172:A:GLU:H	1:171:A:ASP:HB2	11	0.49
(2,388)	1:172:A:GLU:H	1:171:A:ASP:HB2	15	0.49
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD1	12	0.49
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD2	12	0.49
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD1	12	0.49
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD2	12	0.49
(2,96)	1:159:A:LYS:HB2	1:120:A:TRP:HZ2	5	0.49
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD22	4	0.48
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD21	4	0.48
(3,658)	1:170:A:LEU:HB3	1:166:A:GLU:H	9	0.48
(3,569)	1:91:A:GLN:HG2	1:126:A:HIS:H	6	0.48
(3,288)	1:25:A:GLN:HG2	1:161:A:VAL:HA	12	0.48
(3,63)	1:78:A:PHE:HB3	1:50:A:LEU:HD11	20	0.48
(3,63)	1:78:A:PHE:HB3	1:50:A:LEU:HD12	20	0.48
(3,63)	1:78:A:PHE:HB3	1:50:A:LEU:HD13	20	0.48
(3,19)	1:63:A:GLN:HA	1:57:A:TRP:HZ2	20	0.48
(2,5355)	1:142:A:LEU:HD11	1:120:A:TRP:HE1	11	0.48
(2,5355)	1:142:A:LEU:HD12	1:120:A:TRP:HE1	11	0.48
(2,5355)	1:142:A:LEU:HD13	1:120:A:TRP:HE1	11	0.48
(2,5343)	1:171:A:ASP:HA	1:175:A:ASN:HD22	3	0.48
(2,5343)	1:171:A:ASP:HA	1:175:A:ASN:HD22	10	0.48
(2,5284)	1:167:A:GLU:HB3	1:166:A:GLU:H	8	0.48
(2,5277)	1:168:A:LEU:HD21	1:165:A:SER:H	6	0.48
(2,5277)	1:168:A:LEU:HD22	1:165:A:SER:H	6	0.48
(2,5277)	1:168:A:LEU:HD23	1:165:A:SER:H	6	0.48
(2,5210)	1:157:A:VAL:HG11	1:156:A:ARG:H	10	0.48
(2,5210)	1:157:A:VAL:HG12	1:156:A:ARG:H	10	0.48
(2,5210)	1:157:A:VAL:HG13	1:156:A:ARG:H	10	0.48
(2,5210)	1:157:A:VAL:HG11	1:156:A:ARG:H	17	0.48
(2,5210)	1:157:A:VAL:HG12	1:156:A:ARG:H	17	0.48
(2,5210)	1:157:A:VAL:HG13	1:156:A:ARG:H	17	0.48
(2,5197)	1:155:A:GLU:HG2	1:154:A:ALA:H	7	0.48
(2,5190)	1:156:A:ARG:HB3	1:153:A:THR:H	12	0.48
(2,5190)	1:156:A:ARG:HB2	1:153:A:THR:H	12	0.48
(2,5190)	1:156:A:ARG:HB3	1:153:A:THR:H	13	0.48
(2,5190)	1:156:A:ARG:HB2	1:153:A:THR:H	13	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5190)	1:156:A:ARG:HB3	1:153:A:THR:H	14	0.48
(2,5190)	1:156:A:ARG:HB2	1:153:A:THR:H	14	0.48
(2,5077)	1:133:A:LEU:HD11	1:134:A:ALA:H	4	0.48
(2,5077)	1:133:A:LEU:HD12	1:134:A:ALA:H	4	0.48
(2,5077)	1:133:A:LEU:HD13	1:134:A:ALA:H	4	0.48
(2,5072)	1:130:A:SER:HB2	1:133:A:LEU:H	2	0.48
(2,4942)	1:85:A:LEU:HD11	1:106:A:ARG:H	2	0.48
(2,4942)	1:85:A:LEU:HD12	1:106:A:ARG:H	2	0.48
(2,4942)	1:85:A:LEU:HD13	1:106:A:ARG:H	2	0.48
(2,4901)	1:128:A:GLU:HB2	1:98:A:PHE:H	16	0.48
(2,4898)	1:95:A:ALA:H	1:98:A:PHE:H	16	0.48
(2,4898)	1:95:A:ALA:H	1:98:A:PHE:H	20	0.48
(2,4806)	1:81:A:LYS:HG2	1:82:A:LEU:H	16	0.48
(2,4784)	1:113:A:GLY:HA2	1:78:A:PHE:H	11	0.48
(2,4734)	1:65:A:ASP:H	1:69:A:PHE:H	20	0.48
(2,4705)	1:61:A:GLU:HG3	1:62:A:ALA:H	4	0.48
(2,4509)	1:28:A:LYS:HG3	1:30:A:VAL:H	4	0.48
(2,4502)	1:28:A:LYS:HD2	1:29:A:ASP:H	14	0.48
(2,4366)	1:6:A:ILE:HG12	1:6:A:ILE:H	11	0.48
(2,4180)	1:102:A:LEU:HD11	1:87:A:GLY:H	9	0.48
(2,4180)	1:102:A:LEU:HD12	1:87:A:GLY:H	9	0.48
(2,4180)	1:102:A:LEU:HD13	1:87:A:GLY:H	9	0.48
(2,4146)	1:133:A:LEU:HD21	1:130:A:SER:H	13	0.48
(2,4146)	1:133:A:LEU:HD22	1:130:A:SER:H	13	0.48
(2,4146)	1:133:A:LEU:HD23	1:130:A:SER:H	13	0.48
(2,4124)	1:25:A:GLN:HA	1:25:A:GLN:HE21	2	0.48
(2,4036)	1:112:A:ARG:HB2	1:112:A:ARG:HE	7	0.48
(2,4015)	1:28:A:LYS:HB2	1:29:A:ASP:H	11	0.48
(2,4002)	1:75:A:GLU:HG3	1:75:A:GLU:H	13	0.48
(2,3916)	1:105:A:ILE:HG12	1:105:A:ILE:H	7	0.48
(2,3902)	1:158:A:GLU:HB3	1:159:A:LYS:H	7	0.48
(2,3858)	1:173:A:ILE:HD11	1:173:A:ILE:H	13	0.48
(2,3858)	1:173:A:ILE:HD12	1:173:A:ILE:H	13	0.48
(2,3858)	1:173:A:ILE:HD13	1:173:A:ILE:H	13	0.48
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	13	0.48
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	13	0.48
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	18	0.48
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	18	0.48
(2,3732)	1:165:A:SER:HB3	1:166:A:GLU:H	7	0.48
(2,3732)	1:165:A:SER:HB3	1:166:A:GLU:H	11	0.48
(2,3678)	1:52:A:LEU:HD11	1:52:A:LEU:H	3	0.48
(2,3678)	1:52:A:LEU:HD12	1:52:A:LEU:H	3	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3678)	1:52:A:LEU:HD13	1:52:A:LEU:H	3	0.48
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD21	9	0.48
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD22	9	0.48
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD23	9	0.48
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD21	9	0.48
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD22	9	0.48
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD23	9	0.48
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD21	9	0.48
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD22	9	0.48
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD23	9	0.48
(2,3394)	1:159:A:LYS:HE2	1:159:A:LYS:HA	2	0.48
(2,3388)	1:112:A:ARG:HB3	1:78:A:PHE:HA	17	0.48
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD11	10	0.48
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD12	10	0.48
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD13	10	0.48
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG21	5	0.48
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG22	5	0.48
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG23	5	0.48
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG21	5	0.48
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG22	5	0.48
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG23	5	0.48
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG21	5	0.48
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG22	5	0.48
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG23	5	0.48
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG21	12	0.48
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG22	12	0.48
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG23	12	0.48
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG21	17	0.48
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG22	17	0.48
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG23	17	0.48
(2,2921)	1:110:A:GLU:HG2	1:110:A:GLU:HA	9	0.48
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG21	10	0.48
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG22	10	0.48
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG23	10	0.48
(2,2844)	1:116:A:ILE:HG12	1:106:A:ARG:HD2	11	0.48
(2,2664)	1:93:A:ASP:HB3	1:92:A:GLU:HA	17	0.48
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD11	15	0.48
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD12	15	0.48
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD13	15	0.48
(2,2548)	1:117:A:VAL:HG11	1:82:A:LEU:HB2	3	0.48
(2,2548)	1:117:A:VAL:HG12	1:82:A:LEU:HB2	3	0.48
(2,2548)	1:117:A:VAL:HG13	1:82:A:LEU:HB2	3	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2510)	1:113:A:GLY:HA2	1:79:A:ASN:HA	14	0.48
(2,2510)	1:113:A:GLY:HA2	1:79:A:ASN:HA	16	0.48
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG21	3	0.48
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG22	3	0.48
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG23	3	0.48
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG21	11	0.48
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG22	11	0.48
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG23	11	0.48
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG21	19	0.48
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG22	19	0.48
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG23	19	0.48
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG21	20	0.48
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG22	20	0.48
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG23	20	0.48
(2,2455)	1:72:A:THR:HA	1:75:A:GLU:HG2	8	0.48
(2,2431)	1:52:A:LEU:HD11	1:73:A:LEU:HB2	5	0.48
(2,2431)	1:52:A:LEU:HD12	1:73:A:LEU:HB2	5	0.48
(2,2431)	1:52:A:LEU:HD13	1:73:A:LEU:HB2	5	0.48
(2,1958)	1:17:A:ASN:HA	1:20:A:LYS:HE3	4	0.48
(2,1906)	1:100:A:ASP:HB2	1:131:A:LYS:HD2	13	0.48
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG21	7	0.48
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG22	7	0.48
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG23	7	0.48
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG11	8	0.48
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG12	8	0.48
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG13	8	0.48
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG11	8	0.48
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG12	8	0.48
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG13	8	0.48
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG11	8	0.48
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG12	8	0.48
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG13	8	0.48
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG11	13	0.48
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG12	13	0.48
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG13	13	0.48
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG11	13	0.48
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG12	13	0.48
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG13	13	0.48
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG11	13	0.48
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG12	13	0.48
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG13	13	0.48
(2,1719)	1:29:A:ASP:H	1:28:A:LYS:HB2	11	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1654)	1:38:A:LYS:HA	1:38:A:LYS:HE3	5	0.48
(2,1315)	1:51:A:LEU:HD21	1:4:A:THR:HB	9	0.48
(2,1315)	1:51:A:LEU:HD22	1:4:A:THR:HB	9	0.48
(2,1315)	1:51:A:LEU:HD23	1:4:A:THR:HB	9	0.48
(2,1222)	1:30:A:VAL:HG11	1:31:A:ALA:HA	1	0.48
(2,1222)	1:30:A:VAL:HG12	1:31:A:ALA:HA	1	0.48
(2,1222)	1:30:A:VAL:HG13	1:31:A:ALA:HA	1	0.48
(2,1113)	1:170:A:LEU:HD11	1:4:A:THR:HB	5	0.48
(2,1113)	1:170:A:LEU:HD12	1:4:A:THR:HB	5	0.48
(2,1113)	1:170:A:LEU:HD13	1:4:A:THR:HB	5	0.48
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG11	4	0.48
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG12	4	0.48
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG13	4	0.48
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG11	14	0.48
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG12	14	0.48
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG13	14	0.48
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD11	14	0.48
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD12	14	0.48
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD13	14	0.48
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG21	2	0.48
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG22	2	0.48
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG23	2	0.48
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG21	5	0.48
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG22	5	0.48
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG23	5	0.48
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG21	11	0.48
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG22	11	0.48
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG23	11	0.48
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG21	15	0.48
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG22	15	0.48
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG23	15	0.48
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG21	16	0.48
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG22	16	0.48
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG23	16	0.48
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG21	19	0.48
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG22	19	0.48
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG23	19	0.48
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD21	9	0.48
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD22	9	0.48
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD23	9	0.48
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD11	11	0.48
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD12	11	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD13	11	0.48
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD11	17	0.48
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD12	17	0.48
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD13	17	0.48
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD11	17	0.48
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD12	17	0.48
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD13	17	0.48
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD21	13	0.48
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD22	13	0.48
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD23	13	0.48
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD11	1	0.48
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD12	1	0.48
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD13	1	0.48
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD11	1	0.48
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD12	1	0.48
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD13	1	0.48
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD11	8	0.48
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD12	8	0.48
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD13	8	0.48
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD11	8	0.48
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD12	8	0.48
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD13	8	0.48
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD21	14	0.48
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD22	14	0.48
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD23	14	0.48
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD21	14	0.48
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD22	14	0.48
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD23	14	0.48
(2,442)	1:25:A:GLN:H	1:24:A:LYS:HB2	10	0.48
(2,442)	1:25:A:GLN:H	1:24:A:LYS:HB2	11	0.48
(3,685)	1:20:A:LYS:HG2	1:23:A:GLN:HE21	7	0.47
(3,523)	1:140:A:VAL:HG21	1:105:A:ILE:H	1	0.47
(3,523)	1:140:A:VAL:HG22	1:105:A:ILE:H	1	0.47
(3,523)	1:140:A:VAL:HG23	1:105:A:ILE:H	1	0.47
(3,522)	1:108:A:ILE:HG12	1:105:A:ILE:H	2	0.47
(3,477)	1:113:A:GLY:H	1:79:A:ASN:HD21	8	0.47
(3,310)	1:18:A:ILE:HG12	1:55:A:PRO:HD3	17	0.47
(3,145)	1:102:A:LEU:HD11	1:54:A:ILE:HB	12	0.47
(3,145)	1:102:A:LEU:HD12	1:54:A:ILE:HB	12	0.47
(3,145)	1:102:A:LEU:HD13	1:54:A:ILE:HB	12	0.47
(2,5284)	1:167:A:GLU:HB3	1:166:A:GLU:H	14	0.47
(2,5238)	1:25:A:GLN:HE22	1:160:A:TRP:H	14	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5210)	1:157:A:VAL:HG11	1:156:A:ARG:H	14	0.47
(2,5210)	1:157:A:VAL:HG12	1:156:A:ARG:H	14	0.47
(2,5210)	1:157:A:VAL:HG13	1:156:A:ARG:H	14	0.47
(2,5190)	1:156:A:ARG:HB3	1:153:A:THR:H	6	0.47
(2,5190)	1:156:A:ARG:HB2	1:153:A:THR:H	6	0.47
(2,5078)	1:140:A:VAL:HB	1:134:A:ALA:H	10	0.47
(2,5075)	1:140:A:VAL:HB	1:134:A:ALA:H	10	0.47
(2,4965)	1:73:A:LEU:HD11	1:109:A:ILE:H	17	0.47
(2,4965)	1:73:A:LEU:HD12	1:109:A:ILE:H	17	0.47
(2,4965)	1:73:A:LEU:HD13	1:109:A:ILE:H	17	0.47
(2,4921)	1:102:A:LEU:HD11	1:102:A:LEU:H	18	0.47
(2,4921)	1:102:A:LEU:HD12	1:102:A:LEU:H	18	0.47
(2,4921)	1:102:A:LEU:HD13	1:102:A:LEU:H	18	0.47
(2,4734)	1:65:A:ASP:H	1:69:A:PHE:H	8	0.47
(2,4705)	1:61:A:GLU:HG3	1:62:A:ALA:H	7	0.47
(2,4487)	1:161:A:VAL:HB	1:25:A:GLN:HE21	16	0.47
(2,4477)	1:26:A:LEU:HD21	1:25:A:GLN:H	17	0.47
(2,4477)	1:26:A:LEU:HD22	1:25:A:GLN:H	17	0.47
(2,4477)	1:26:A:LEU:HD23	1:25:A:GLN:H	17	0.47
(2,4366)	1:6:A:ILE:HG12	1:6:A:ILE:H	7	0.47
(2,4366)	1:6:A:ILE:HG12	1:6:A:ILE:H	9	0.47
(2,4366)	1:6:A:ILE:HG12	1:6:A:ILE:H	10	0.47
(2,4255)	1:79:A:ASN:HD22	1:79:A:ASN:H	10	0.47
(2,4255)	1:79:A:ASN:HD22	1:79:A:ASN:H	13	0.47
(2,4113)	1:167:A:GLU:HA	1:169:A:HIS:H	17	0.47
(2,4098)	1:45:A:GLU:HG2	1:45:A:GLU:H	11	0.47
(2,4098)	1:45:A:GLU:HG2	1:45:A:GLU:H	12	0.47
(2,4091)	1:163:A:GLN:HG3	1:164:A:ILE:H	7	0.47
(2,4073)	1:111:A:PRO:HD3	1:112:A:ARG:H	11	0.47
(2,4036)	1:112:A:ARG:HB2	1:112:A:ARG:HE	2	0.47
(2,4036)	1:112:A:ARG:HB2	1:112:A:ARG:HE	5	0.47
(2,3943)	1:157:A:VAL:HB	1:161:A:VAL:H	9	0.47
(2,3921)	1:45:A:GLU:HB2	1:44:A:LEU:H	5	0.47
(2,3903)	1:158:A:GLU:HG3	1:159:A:LYS:H	4	0.47
(2,3902)	1:158:A:GLU:HB3	1:159:A:LYS:H	10	0.47
(2,3860)	1:139:A:PHE:HB2	1:140:A:VAL:H	10	0.47
(2,3860)	1:139:A:PHE:HB2	1:140:A:VAL:H	11	0.47
(2,3759)	1:47:A:TYR:HB2	1:48:A:ASP:H	12	0.47
(2,3732)	1:165:A:SER:HB3	1:166:A:GLU:H	18	0.47
(2,3704)	1:151:A:GLU:HG2	1:151:A:GLU:H	5	0.47
(2,3684)	1:158:A:GLU:HA	1:162:A:LYS:H	13	0.47
(2,3678)	1:52:A:LEU:HD11	1:52:A:LEU:H	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3678)	1:52:A:LEU:HD12	1:52:A:LEU:H	4	0.47
(2,3678)	1:52:A:LEU:HD13	1:52:A:LEU:H	4	0.47
(2,3678)	1:52:A:LEU:HD11	1:52:A:LEU:H	17	0.47
(2,3678)	1:52:A:LEU:HD12	1:52:A:LEU:H	17	0.47
(2,3678)	1:52:A:LEU:HD13	1:52:A:LEU:H	17	0.47
(2,3678)	1:52:A:LEU:HD11	1:52:A:LEU:H	19	0.47
(2,3678)	1:52:A:LEU:HD12	1:52:A:LEU:H	19	0.47
(2,3678)	1:52:A:LEU:HD13	1:52:A:LEU:H	19	0.47
(2,3464)	1:170:A:LEU:HB3	1:165:A:SER:HA	11	0.47
(2,3425)	1:131:A:LYS:HB3	1:131:A:LYS:HE2	12	0.47
(2,3425)	1:131:A:LYS:HB3	1:131:A:LYS:HE2	14	0.47
(2,3394)	1:159:A:LYS:HE2	1:159:A:LYS:HA	1	0.47
(2,3394)	1:159:A:LYS:HE2	1:159:A:LYS:HA	4	0.47
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD11	12	0.47
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD12	12	0.47
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD13	12	0.47
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD11	15	0.47
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD12	15	0.47
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD13	15	0.47
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD11	16	0.47
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD12	16	0.47
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD13	16	0.47
(2,3109)	1:125:A:TYR:HE1	1:128:A:GLU:HG2	1	0.47
(2,3109)	1:125:A:TYR:HE2	1:128:A:GLU:HG2	1	0.47
(2,3107)	1:161:A:VAL:H	1:157:A:VAL:HB	9	0.47
(2,2983)	1:116:A:ILE:HD11	1:115:A:THR:HA	19	0.47
(2,2983)	1:116:A:ILE:HD12	1:115:A:THR:HA	19	0.47
(2,2983)	1:116:A:ILE:HD13	1:115:A:THR:HA	19	0.47
(2,2962)	1:109:A:ILE:HA	1:112:A:ARG:HD3	2	0.47
(2,2944)	1:110:A:GLU:HB2	1:111:A:PRO:HD2	8	0.47
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD11	12	0.47
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD12	12	0.47
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD13	12	0.47
(2,2778)	1:99:A:CYS:HB2	1:102:A:LEU:HD21	18	0.47
(2,2778)	1:99:A:CYS:HB2	1:102:A:LEU:HD22	18	0.47
(2,2778)	1:99:A:CYS:HB2	1:102:A:LEU:HD23	18	0.47
(2,2566)	1:168:A:LEU:H	1:164:A:ILE:HG12	13	0.47
(2,2564)	1:150:A:PRO:HA	1:144:A:ILE:HG12	15	0.47
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG21	2	0.47
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG22	2	0.47
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG23	2	0.47
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD11	6	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD12	6	0.47
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD13	6	0.47
(2,2451)	1:108:A:ILE:HD11	1:74:A:GLU:HG3	12	0.47
(2,2451)	1:108:A:ILE:HD12	1:74:A:GLU:HG3	12	0.47
(2,2451)	1:108:A:ILE:HD13	1:74:A:GLU:HG3	12	0.47
(2,2203)	1:4:A:THR:HG21	1:51:A:LEU:HD21	3	0.47
(2,2203)	1:4:A:THR:HG21	1:51:A:LEU:HD22	3	0.47
(2,2203)	1:4:A:THR:HG21	1:51:A:LEU:HD23	3	0.47
(2,2203)	1:4:A:THR:HG22	1:51:A:LEU:HD21	3	0.47
(2,2203)	1:4:A:THR:HG22	1:51:A:LEU:HD22	3	0.47
(2,2203)	1:4:A:THR:HG22	1:51:A:LEU:HD23	3	0.47
(2,2203)	1:4:A:THR:HG23	1:51:A:LEU:HD21	3	0.47
(2,2203)	1:4:A:THR:HG23	1:51:A:LEU:HD22	3	0.47
(2,2203)	1:4:A:THR:HG23	1:51:A:LEU:HD23	3	0.47
(2,2182)	1:6:A:ILE:HG12	1:51:A:LEU:HG	12	0.47
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD11	1	0.47
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD12	1	0.47
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD13	1	0.47
(2,1981)	1:41:A:LYS:HG2	1:45:A:GLU:HG2	10	0.47
(2,1975)	1:159:A:LYS:H	1:158:A:GLU:HG3	4	0.47
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD11	16	0.47
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD12	16	0.47
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD13	16	0.47
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG11	18	0.47
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG12	18	0.47
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG13	18	0.47
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG21	12	0.47
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG22	12	0.47
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG23	12	0.47
(2,1688)	1:31:A:ALA:HB1	1:26:A:LEU:HG	4	0.47
(2,1688)	1:31:A:ALA:HB2	1:26:A:LEU:HG	4	0.47
(2,1688)	1:31:A:ALA:HB3	1:26:A:LEU:HG	4	0.47
(2,1660)	1:25:A:GLN:HE22	1:162:A:LYS:HE2	14	0.47
(2,1279)	1:168:A:LEU:HD11	1:170:A:LEU:HG	12	0.47
(2,1279)	1:168:A:LEU:HD12	1:170:A:LEU:HG	12	0.47
(2,1279)	1:168:A:LEU:HD13	1:170:A:LEU:HG	12	0.47
(2,1279)	1:168:A:LEU:HD11	1:170:A:LEU:HG	15	0.47
(2,1279)	1:168:A:LEU:HD12	1:170:A:LEU:HG	15	0.47
(2,1279)	1:168:A:LEU:HD13	1:170:A:LEU:HG	15	0.47
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD21	8	0.47
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD22	8	0.47
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD23	8	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB1	19	0.47
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB2	19	0.47
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB3	19	0.47
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG21	2	0.47
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG22	2	0.47
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG23	2	0.47
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD11	18	0.47
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD12	18	0.47
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD13	18	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG21	1	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG22	1	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG23	1	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG21	4	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG22	4	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG23	4	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG21	6	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG22	6	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG23	6	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG21	7	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG22	7	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG23	7	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG21	8	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG22	8	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG23	8	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG21	9	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG22	9	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG23	9	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG21	10	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG22	10	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG23	10	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG21	12	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG22	12	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG23	12	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG21	13	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG22	13	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG23	13	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG21	14	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG22	14	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG23	14	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG21	17	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG22	17	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG23	17	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG21	18	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG22	18	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG23	18	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG21	20	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG22	20	0.47
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG23	20	0.47
(2,833)	1:21:A:MET:HA	1:24:A:LYS:HG3	6	0.47
(2,833)	1:21:A:MET:HA	1:24:A:LYS:HG2	6	0.47
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG21	10	0.47
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG22	10	0.47
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG23	10	0.47
(2,570)	1:139:A:PHE:HE1	1:133:A:LEU:HD11	2	0.47
(2,570)	1:139:A:PHE:HE1	1:133:A:LEU:HD12	2	0.47
(2,570)	1:139:A:PHE:HE1	1:133:A:LEU:HD13	2	0.47
(2,570)	1:139:A:PHE:HE2	1:133:A:LEU:HD11	2	0.47
(2,570)	1:139:A:PHE:HE2	1:133:A:LEU:HD12	2	0.47
(2,570)	1:139:A:PHE:HE2	1:133:A:LEU:HD13	2	0.47
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD11	17	0.47
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD12	17	0.47
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD13	17	0.47
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD11	17	0.47
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD12	17	0.47
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD13	17	0.47
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD11	4	0.47
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD12	4	0.47
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD13	4	0.47
(2,501)	1:78:A:PHE:HE1	1:44:A:LEU:HD21	5	0.47
(2,501)	1:78:A:PHE:HE1	1:44:A:LEU:HD22	5	0.47
(2,501)	1:78:A:PHE:HE1	1:44:A:LEU:HD23	5	0.47
(2,501)	1:78:A:PHE:HE2	1:44:A:LEU:HD21	5	0.47
(2,501)	1:78:A:PHE:HE2	1:44:A:LEU:HD22	5	0.47
(2,501)	1:78:A:PHE:HE2	1:44:A:LEU:HD23	5	0.47
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD11	10	0.47
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD12	10	0.47
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD13	10	0.47
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD11	10	0.47
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD12	10	0.47
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD13	10	0.47
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD11	19	0.47
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD12	19	0.47
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD13	19	0.47
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD11	19	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD12	19	0.47
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD13	19	0.47
(2,437)	1:134:A:ALA:H	1:140:A:VAL:HB	10	0.47
(3,685)	1:20:A:LYS:HG2	1:23:A:GLN:HE21	10	0.46
(3,685)	1:20:A:LYS:HG2	1:23:A:GLN:HE21	12	0.46
(3,658)	1:170:A:LEU:HB3	1:166:A:GLU:H	17	0.46
(3,377)	1:20:A:LYS:HG2	1:33:A:VAL:H	15	0.46
(3,310)	1:18:A:ILE:HG12	1:55:A:PRO:HD3	13	0.46
(3,165)	1:112:A:ARG:HB3	1:81:A:LYS:HD2	19	0.46
(2,5343)	1:171:A:ASP:HA	1:175:A:ASN:HD22	2	0.46
(2,5343)	1:171:A:ASP:HA	1:175:A:ASN:HD22	6	0.46
(2,5343)	1:171:A:ASP:HA	1:175:A:ASN:HD22	18	0.46
(2,5343)	1:171:A:ASP:HA	1:175:A:ASN:HD22	20	0.46
(2,5326)	1:170:A:LEU:HD11	1:171:A:ASP:H	18	0.46
(2,5326)	1:170:A:LEU:HD12	1:171:A:ASP:H	18	0.46
(2,5326)	1:170:A:LEU:HD13	1:171:A:ASP:H	18	0.46
(2,5309)	1:169:A:HIS:HB2	1:169:A:HIS:H	6	0.46
(2,5300)	1:82:A:LEU:HD21	1:168:A:LEU:H	5	0.46
(2,5300)	1:82:A:LEU:HD22	1:168:A:LEU:H	5	0.46
(2,5300)	1:82:A:LEU:HD23	1:168:A:LEU:H	5	0.46
(2,5284)	1:167:A:GLU:HB3	1:166:A:GLU:H	11	0.46
(2,5259)	1:163:A:GLN:HG2	1:163:A:GLN:H	11	0.46
(2,5210)	1:157:A:VAL:HG11	1:156:A:ARG:H	2	0.46
(2,5210)	1:157:A:VAL:HG12	1:156:A:ARG:H	2	0.46
(2,5210)	1:157:A:VAL:HG13	1:156:A:ARG:H	2	0.46
(2,5100)	1:133:A:LEU:HB2	1:138:A:HIS:H	18	0.46
(2,5100)	1:133:A:LEU:HB2	1:138:A:HIS:H	20	0.46
(2,4901)	1:128:A:GLU:HB2	1:98:A:PHE:H	19	0.46
(2,4898)	1:95:A:ALA:H	1:98:A:PHE:H	17	0.46
(2,4789)	1:113:A:GLY:HA2	1:79:A:ASN:H	8	0.46
(2,4742)	1:73:A:LEU:HD11	1:70:A:PHE:H	13	0.46
(2,4742)	1:73:A:LEU:HD12	1:70:A:PHE:H	13	0.46
(2,4742)	1:73:A:LEU:HD13	1:70:A:PHE:H	13	0.46
(2,4742)	1:73:A:LEU:HD11	1:70:A:PHE:H	18	0.46
(2,4742)	1:73:A:LEU:HD12	1:70:A:PHE:H	18	0.46
(2,4742)	1:73:A:LEU:HD13	1:70:A:PHE:H	18	0.46
(2,4481)	1:25:A:GLN:HA	1:25:A:GLN:HE22	1	0.46
(2,4481)	1:25:A:GLN:HA	1:25:A:GLN:HE22	10	0.46
(2,4481)	1:25:A:GLN:HA	1:25:A:GLN:HE22	18	0.46
(2,4255)	1:79:A:ASN:HD22	1:79:A:ASN:H	11	0.46
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD21	8	0.46
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD22	8	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3988)	1:170:A:LEU:HD11	1:170:A:LEU:H	1	0.46
(2,3988)	1:170:A:LEU:HD12	1:170:A:LEU:H	1	0.46
(2,3988)	1:170:A:LEU:HD13	1:170:A:LEU:H	1	0.46
(2,3876)	1:171:A:ASP:HB2	1:172:A:GLU:H	7	0.46
(2,3876)	1:171:A:ASP:HB2	1:172:A:GLU:H	8	0.46
(2,3876)	1:171:A:ASP:HB2	1:172:A:GLU:H	16	0.46
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	17	0.46
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	17	0.46
(2,3759)	1:47:A:TYR:HB2	1:48:A:ASP:H	18	0.46
(2,3684)	1:158:A:GLU:HA	1:162:A:LYS:H	3	0.46
(2,3684)	1:158:A:GLU:HA	1:162:A:LYS:H	4	0.46
(2,3678)	1:52:A:LEU:HD11	1:52:A:LEU:H	2	0.46
(2,3678)	1:52:A:LEU:HD12	1:52:A:LEU:H	2	0.46
(2,3678)	1:52:A:LEU:HD13	1:52:A:LEU:H	2	0.46
(2,3678)	1:52:A:LEU:HD11	1:52:A:LEU:H	9	0.46
(2,3678)	1:52:A:LEU:HD12	1:52:A:LEU:H	9	0.46
(2,3678)	1:52:A:LEU:HD13	1:52:A:LEU:H	9	0.46
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD21	3	0.46
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD22	3	0.46
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD23	3	0.46
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD11	1	0.46
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD12	1	0.46
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD13	1	0.46
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD11	4	0.46
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD12	4	0.46
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD13	4	0.46
(2,3425)	1:131:A:LYS:HB3	1:131:A:LYS:HE2	3	0.46
(2,3388)	1:112:A:ARG:HB3	1:78:A:PHE:HA	18	0.46
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG11	8	0.46
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG12	8	0.46
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG13	8	0.46
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD11	2	0.46
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD12	2	0.46
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD13	2	0.46
(2,2983)	1:116:A:ILE:HD11	1:115:A:THR:HA	13	0.46
(2,2983)	1:116:A:ILE:HD12	1:115:A:THR:HA	13	0.46
(2,2983)	1:116:A:ILE:HD13	1:115:A:THR:HA	13	0.46
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG21	19	0.46
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG22	19	0.46
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG23	19	0.46
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB1	3	0.46
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB2	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB3	3	0.46
(2,2670)	1:148:A:ARG:HD2	1:92:A:GLU:HB2	7	0.46
(2,2664)	1:93:A:ASP:HB3	1:92:A:GLU:HA	6	0.46
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD11	16	0.46
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD12	16	0.46
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD13	16	0.46
(2,2455)	1:72:A:THR:HA	1:75:A:GLU:HG2	19	0.46
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG21	11	0.46
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG22	11	0.46
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG23	11	0.46
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG21	11	0.46
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG22	11	0.46
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG23	11	0.46
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG21	11	0.46
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG22	11	0.46
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG23	11	0.46
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG21	4	0.46
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG22	4	0.46
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG23	4	0.46
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG21	1	0.46
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG22	1	0.46
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG23	1	0.46
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG21	17	0.46
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG22	17	0.46
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG23	17	0.46
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG11	3	0.46
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG12	3	0.46
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG13	3	0.46
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG11	3	0.46
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG12	3	0.46
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG13	3	0.46
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG11	3	0.46
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG12	3	0.46
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG13	3	0.46
(2,1662)	1:66:A:TRP:HE3	1:69:A:PHE:HB2	16	0.46
(2,1659)	1:34:A:HIS:HB2	1:38:A:LYS:HE3	13	0.46
(2,1654)	1:38:A:LYS:HA	1:38:A:LYS:HE3	12	0.46
(2,1519)	1:7:A:PHE:HD1	1:50:A:LEU:HD11	1	0.46
(2,1519)	1:7:A:PHE:HD1	1:50:A:LEU:HD12	1	0.46
(2,1519)	1:7:A:PHE:HD1	1:50:A:LEU:HD13	1	0.46
(2,1519)	1:7:A:PHE:HD2	1:50:A:LEU:HD11	1	0.46
(2,1519)	1:7:A:PHE:HD2	1:50:A:LEU:HD12	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1519)	1:7:A:PHE:HD2	1:50:A:LEU:HD13	1	0.46
(2,1498)	1:86:A:PHE:HD1	1:19:A:ALA:HB1	19	0.46
(2,1498)	1:86:A:PHE:HD1	1:19:A:ALA:HB2	19	0.46
(2,1498)	1:86:A:PHE:HD1	1:19:A:ALA:HB3	19	0.46
(2,1498)	1:86:A:PHE:HD2	1:19:A:ALA:HB1	19	0.46
(2,1498)	1:86:A:PHE:HD2	1:19:A:ALA:HB2	19	0.46
(2,1498)	1:86:A:PHE:HD2	1:19:A:ALA:HB3	19	0.46
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG21	8	0.46
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG22	8	0.46
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG23	8	0.46
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG21	18	0.46
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG22	18	0.46
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG23	18	0.46
(2,1279)	1:168:A:LEU:HD11	1:170:A:LEU:HG	2	0.46
(2,1279)	1:168:A:LEU:HD12	1:170:A:LEU:HG	2	0.46
(2,1279)	1:168:A:LEU:HD13	1:170:A:LEU:HG	2	0.46
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD21	11	0.46
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD22	11	0.46
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD23	11	0.46
(2,1209)	1:82:A:LEU:HD21	1:168:A:LEU:HA	5	0.46
(2,1209)	1:82:A:LEU:HD22	1:168:A:LEU:HA	5	0.46
(2,1209)	1:82:A:LEU:HD23	1:168:A:LEU:HA	5	0.46
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG11	1	0.46
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG12	1	0.46
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG13	1	0.46
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG11	1	0.46
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG12	1	0.46
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG13	1	0.46
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG11	1	0.46
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG12	1	0.46
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG13	1	0.46
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD21	17	0.46
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD22	17	0.46
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD23	17	0.46
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG21	6	0.46
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG22	6	0.46
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG23	6	0.46
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG21	10	0.46
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG22	10	0.46
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG23	10	0.46
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG21	3	0.46
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG22	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,896)	1:117:A:VAL:HA	1:117:A:VAL:HG23	3	0.46
(2,839)	1:165:A:SER:HB3	1:170:A:LEU:HD11	13	0.46
(2,839)	1:165:A:SER:HB3	1:170:A:LEU:HD12	13	0.46
(2,839)	1:165:A:SER:HB3	1:170:A:LEU:HD13	13	0.46
(2,833)	1:21:A:MET:HA	1:24:A:LYS:HG3	16	0.46
(2,833)	1:21:A:MET:HA	1:24:A:LYS:HG2	16	0.46
(2,816)	1:165:A:SER:HA	1:26:A:LEU:HG	2	0.46
(2,783)	1:76:A:ILE:HA	1:41:A:LYS:HD2	17	0.46
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD11	4	0.46
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD12	4	0.46
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD13	4	0.46
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD11	4	0.46
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD12	4	0.46
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD13	4	0.46
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD11	16	0.46
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD12	16	0.46
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD13	16	0.46
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD11	16	0.46
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD12	16	0.46
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD13	16	0.46
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD21	11	0.46
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD22	11	0.46
(2,504)	1:44:A:LEU:H	1:44:A:LEU:HD23	11	0.46
(2,442)	1:25:A:GLN:H	1:24:A:LYS:HB2	2	0.46
(2,408)	1:17:A:ASN:HD21	1:17:A:ASN:HB2	8	0.46
(2,388)	1:172:A:GLU:H	1:171:A:ASP:HB2	7	0.46
(2,388)	1:172:A:GLU:H	1:171:A:ASP:HB2	8	0.46
(2,388)	1:172:A:GLU:H	1:171:A:ASP:HB2	16	0.46
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD1	8	0.46
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD2	8	0.46
(2,96)	1:159:A:LYS:HB2	1:120:A:TRP:HZ2	10	0.46
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD22	11	0.45
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD21	11	0.45
(3,658)	1:170:A:LEU:HB3	1:166:A:GLU:H	8	0.45
(3,288)	1:25:A:GLN:HG2	1:161:A:VAL:HA	4	0.45
(3,288)	1:25:A:GLN:HG2	1:161:A:VAL:HA	13	0.45
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD11	3	0.45
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD12	3	0.45
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD13	3	0.45
(3,205)	1:110:A:GLU:HG3	1:106:A:ARG:HD3	13	0.45
(3,67)	1:25:A:GLN:HE21	1:21:A:MET:HE1	8	0.45
(3,67)	1:25:A:GLN:HE21	1:21:A:MET:HE2	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,67)	1:25:A:GLN:HE21	1:21:A:MET:HE3	8	0.45
(2,5378)	1:145:A:ASP:HB3	1:91:A:GLN:HE22	12	0.45
(2,5378)	1:145:A:ASP:HB2	1:91:A:GLN:HE22	12	0.45
(2,5336)	1:170:A:LEU:HD11	1:174:A:LEU:H	11	0.45
(2,5336)	1:170:A:LEU:HD12	1:174:A:LEU:H	11	0.45
(2,5336)	1:170:A:LEU:HD13	1:174:A:LEU:H	11	0.45
(2,5336)	1:170:A:LEU:HD11	1:174:A:LEU:H	14	0.45
(2,5336)	1:170:A:LEU:HD12	1:174:A:LEU:H	14	0.45
(2,5336)	1:170:A:LEU:HD13	1:174:A:LEU:H	14	0.45
(2,5284)	1:167:A:GLU:HB3	1:166:A:GLU:H	19	0.45
(2,5284)	1:167:A:GLU:HB3	1:166:A:GLU:H	20	0.45
(2,5149)	1:144:A:ILE:HG12	1:145:A:ASP:H	7	0.45
(2,5147)	1:146:A:GLU:HB3	1:145:A:ASP:H	9	0.45
(2,4898)	1:95:A:ALA:H	1:98:A:PHE:H	11	0.45
(2,4784)	1:113:A:GLY:HA2	1:78:A:PHE:H	2	0.45
(2,4768)	1:76:A:ILE:HG12	1:75:A:GLU:H	12	0.45
(2,4705)	1:61:A:GLU:HG3	1:62:A:ALA:H	3	0.45
(2,4697)	1:100:A:ASP:HB2	1:60:A:GLY:H	11	0.45
(2,4692)	1:61:A:GLU:HG3	1:59:A:TYR:H	19	0.45
(2,4634)	1:50:A:LEU:HD11	1:48:A:ASP:H	11	0.45
(2,4634)	1:50:A:LEU:HD12	1:48:A:ASP:H	11	0.45
(2,4634)	1:50:A:LEU:HD13	1:48:A:ASP:H	11	0.45
(2,4491)	1:161:A:VAL:HG21	1:26:A:LEU:H	1	0.45
(2,4491)	1:161:A:VAL:HG22	1:26:A:LEU:H	1	0.45
(2,4491)	1:161:A:VAL:HG23	1:26:A:LEU:H	1	0.45
(2,4481)	1:25:A:GLN:HA	1:25:A:GLN:HE22	7	0.45
(2,4366)	1:6:A:ILE:HG12	1:6:A:ILE:H	6	0.45
(2,4366)	1:6:A:ILE:HG12	1:6:A:ILE:H	19	0.45
(2,4180)	1:102:A:LEU:HD11	1:87:A:GLY:H	8	0.45
(2,4180)	1:102:A:LEU:HD12	1:87:A:GLY:H	8	0.45
(2,4180)	1:102:A:LEU:HD13	1:87:A:GLY:H	8	0.45
(2,4180)	1:102:A:LEU:HD11	1:87:A:GLY:H	10	0.45
(2,4180)	1:102:A:LEU:HD12	1:87:A:GLY:H	10	0.45
(2,4180)	1:102:A:LEU:HD13	1:87:A:GLY:H	10	0.45
(2,4113)	1:167:A:GLU:HA	1:169:A:HIS:H	7	0.45
(2,4098)	1:45:A:GLU:HG2	1:45:A:GLU:H	4	0.45
(2,4075)	1:112:A:ARG:HG2	1:112:A:ARG:H	12	0.45
(2,4075)	1:112:A:ARG:HG3	1:112:A:ARG:H	12	0.45
(2,4015)	1:28:A:LYS:HB2	1:29:A:ASP:H	5	0.45
(2,3997)	1:30:A:VAL:HG11	1:3:A:ILE:H	13	0.45
(2,3997)	1:30:A:VAL:HG12	1:3:A:ILE:H	13	0.45
(2,3997)	1:30:A:VAL:HG13	1:3:A:ILE:H	13	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3903)	1:158:A:GLU:HG3	1:159:A:LYS:H	6	0.45
(2,3860)	1:139:A:PHE:HB2	1:140:A:VAL:H	2	0.45
(2,3860)	1:139:A:PHE:HB2	1:140:A:VAL:H	13	0.45
(2,3858)	1:173:A:ILE:HD11	1:173:A:ILE:H	6	0.45
(2,3858)	1:173:A:ILE:HD12	1:173:A:ILE:H	6	0.45
(2,3858)	1:173:A:ILE:HD13	1:173:A:ILE:H	6	0.45
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	5	0.45
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	5	0.45
(2,3853)	1:44:A:LEU:HD11	1:43:A:ASP:H	7	0.45
(2,3853)	1:44:A:LEU:HD12	1:43:A:ASP:H	7	0.45
(2,3853)	1:44:A:LEU:HD13	1:43:A:ASP:H	7	0.45
(2,3835)	1:155:A:GLU:HG3	1:155:A:GLU:H	11	0.45
(2,3794)	1:152:A:LEU:HB3	1:156:A:ARG:H	2	0.45
(2,3783)	1:92:A:GLU:HG3	1:93:A:ASP:H	14	0.45
(2,3759)	1:47:A:TYR:HB2	1:48:A:ASP:H	20	0.45
(2,3678)	1:52:A:LEU:HD11	1:52:A:LEU:H	1	0.45
(2,3678)	1:52:A:LEU:HD12	1:52:A:LEU:H	1	0.45
(2,3678)	1:52:A:LEU:HD13	1:52:A:LEU:H	1	0.45
(2,3678)	1:52:A:LEU:HD11	1:52:A:LEU:H	5	0.45
(2,3678)	1:52:A:LEU:HD12	1:52:A:LEU:H	5	0.45
(2,3678)	1:52:A:LEU:HD13	1:52:A:LEU:H	5	0.45
(2,3678)	1:52:A:LEU:HD11	1:52:A:LEU:H	8	0.45
(2,3678)	1:52:A:LEU:HD12	1:52:A:LEU:H	8	0.45
(2,3678)	1:52:A:LEU:HD13	1:52:A:LEU:H	8	0.45
(2,3678)	1:52:A:LEU:HD11	1:52:A:LEU:H	13	0.45
(2,3678)	1:52:A:LEU:HD12	1:52:A:LEU:H	13	0.45
(2,3678)	1:52:A:LEU:HD13	1:52:A:LEU:H	13	0.45
(2,3678)	1:52:A:LEU:HD11	1:52:A:LEU:H	16	0.45
(2,3678)	1:52:A:LEU:HD12	1:52:A:LEU:H	16	0.45
(2,3678)	1:52:A:LEU:HD13	1:52:A:LEU:H	16	0.45
(2,3613)	1:105:A:ILE:HG12	1:106:A:ARG:H	6	0.45
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD21	11	0.45
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD22	11	0.45
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD23	11	0.45
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD11	3	0.45
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD12	3	0.45
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD13	3	0.45
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD11	8	0.45
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD12	8	0.45
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD13	8	0.45
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD11	9	0.45
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD12	9	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD13	9	0.45
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD11	17	0.45
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD12	17	0.45
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD13	17	0.45
(2,3388)	1:112:A:ARG:HB3	1:78:A:PHE:HA	5	0.45
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG21	20	0.45
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG22	20	0.45
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG23	20	0.45
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG11	17	0.45
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG12	17	0.45
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG13	17	0.45
(2,3176)	1:140:A:VAL:HG11	1:134:A:ALA:HA	13	0.45
(2,3176)	1:140:A:VAL:HG12	1:134:A:ALA:HA	13	0.45
(2,3176)	1:140:A:VAL:HG13	1:134:A:ALA:HA	13	0.45
(2,3095)	1:125:A:TYR:HD1	1:126:A:HIS:HB3	7	0.45
(2,3095)	1:125:A:TYR:HD2	1:126:A:HIS:HB3	7	0.45
(2,2985)	1:163:A:GLN:HG2	1:160:A:TRP:HA	15	0.45
(2,2965)	1:111:A:PRO:HG2	1:112:A:ARG:HD3	20	0.45
(2,2944)	1:110:A:GLU:HB2	1:111:A:PRO:HD2	9	0.45
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD21	5	0.45
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD22	5	0.45
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD23	5	0.45
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG21	12	0.45
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG22	12	0.45
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG23	12	0.45
(2,2460)	1:162:A:LYS:HE2	1:158:A:GLU:HG3	4	0.45
(2,2455)	1:72:A:THR:HA	1:75:A:GLU:HG2	17	0.45
(2,2444)	1:108:A:ILE:HG21	1:74:A:GLU:HB2	15	0.45
(2,2444)	1:108:A:ILE:HG22	1:74:A:GLU:HB2	15	0.45
(2,2444)	1:108:A:ILE:HG23	1:74:A:GLU:HB2	15	0.45
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD21	5	0.45
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD22	5	0.45
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD23	5	0.45
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD11	11	0.45
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD12	11	0.45
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD13	11	0.45
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD11	11	0.45
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD12	11	0.45
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD13	11	0.45
(2,2009)	1:39:A:SER:HB3	1:43:A:ASP:HB2	5	0.45
(2,1975)	1:159:A:LYS:H	1:158:A:GLU:HG3	6	0.45
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG21	16	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG22	16	0.45
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG23	16	0.45
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD11	17	0.45
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD12	17	0.45
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD13	17	0.45
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB1	20	0.45
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB2	20	0.45
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB3	20	0.45
(2,1719)	1:29:A:ASP:H	1:28:A:LYS:HB2	5	0.45
(2,1688)	1:31:A:ALA:HB1	1:26:A:LEU:HG	2	0.45
(2,1688)	1:31:A:ALA:HB2	1:26:A:LEU:HG	2	0.45
(2,1688)	1:31:A:ALA:HB3	1:26:A:LEU:HG	2	0.45
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG11	6	0.45
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG12	6	0.45
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG13	6	0.45
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD11	11	0.45
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD12	11	0.45
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD13	11	0.45
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG21	16	0.45
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG22	16	0.45
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG23	16	0.45
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG21	19	0.45
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG22	19	0.45
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG23	19	0.45
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG21	20	0.45
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG22	20	0.45
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG23	20	0.45
(2,1429)	1:55:A:PRO:HB2	1:15:A:THR:HB	13	0.45
(2,1239)	1:133:A:LEU:HB3	1:133:A:LEU:HD11	7	0.45
(2,1239)	1:133:A:LEU:HB3	1:133:A:LEU:HD12	7	0.45
(2,1239)	1:133:A:LEU:HB3	1:133:A:LEU:HD13	7	0.45
(2,1239)	1:133:A:LEU:HB3	1:133:A:LEU:HD11	10	0.45
(2,1239)	1:133:A:LEU:HB3	1:133:A:LEU:HD12	10	0.45
(2,1239)	1:133:A:LEU:HB3	1:133:A:LEU:HD13	10	0.45
(2,1239)	1:133:A:LEU:HB3	1:133:A:LEU:HD11	11	0.45
(2,1239)	1:133:A:LEU:HB3	1:133:A:LEU:HD12	11	0.45
(2,1239)	1:133:A:LEU:HB3	1:133:A:LEU:HD13	11	0.45
(2,1239)	1:133:A:LEU:HB3	1:133:A:LEU:HD11	12	0.45
(2,1239)	1:133:A:LEU:HB3	1:133:A:LEU:HD12	12	0.45
(2,1239)	1:133:A:LEU:HB3	1:133:A:LEU:HD13	12	0.45
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG11	17	0.45
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG12	17	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG13	17	0.45
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG11	17	0.45
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG12	17	0.45
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG13	17	0.45
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG11	17	0.45
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG12	17	0.45
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG13	17	0.45
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD11	3	0.45
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD12	3	0.45
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD13	3	0.45
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD11	3	0.45
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD12	3	0.45
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD13	3	0.45
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD11	3	0.45
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD12	3	0.45
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD13	3	0.45
(2,1036)	1:74:A:GLU:HB2	1:108:A:ILE:HG21	15	0.45
(2,1036)	1:74:A:GLU:HB2	1:108:A:ILE:HG22	15	0.45
(2,1036)	1:74:A:GLU:HB2	1:108:A:ILE:HG23	15	0.45
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD11	8	0.45
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD12	8	0.45
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD13	8	0.45
(2,783)	1:76:A:ILE:HA	1:41:A:LYS:HD2	15	0.45
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG21	17	0.45
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG22	17	0.45
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG23	17	0.45
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG21	19	0.45
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG22	19	0.45
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG23	19	0.45
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD11	7	0.45
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD12	7	0.45
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD13	7	0.45
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD11	7	0.45
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD12	7	0.45
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD13	7	0.45
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD21	11	0.45
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD22	11	0.45
(2,489)	1:78:A:PHE:HE1	1:50:A:LEU:HD23	11	0.45
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD21	11	0.45
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD22	11	0.45
(2,489)	1:78:A:PHE:HE2	1:50:A:LEU:HD23	11	0.45
(3,689)	1:125:A:TYR:HD1	1:91:A:GLN:HE22	14	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,689)	1:125:A:TYR:HD2	1:91:A:GLN:HE22	14	0.44
(3,400)	1:3:A:ILE:HG12	1:48:A:ASP:H	12	0.44
(3,378)	1:6:A:ILE:HG12	1:33:A:VAL:H	11	0.44
(3,106)	1:45:A:GLU:H	1:39:A:SER:HB3	20	0.44
(3,67)	1:25:A:GLN:HE21	1:21:A:MET:HE1	12	0.44
(3,67)	1:25:A:GLN:HE21	1:21:A:MET:HE2	12	0.44
(3,67)	1:25:A:GLN:HE21	1:21:A:MET:HE3	12	0.44
(3,58)	1:142:A:LEU:HG	1:144:A:ILE:HD11	5	0.44
(3,58)	1:142:A:LEU:HG	1:144:A:ILE:HD12	5	0.44
(3,58)	1:142:A:LEU:HG	1:144:A:ILE:HD13	5	0.44
(2,5343)	1:171:A:ASP:HA	1:175:A:ASN:HD22	4	0.44
(2,5326)	1:170:A:LEU:HD11	1:171:A:ASP:H	6	0.44
(2,5326)	1:170:A:LEU:HD12	1:171:A:ASP:H	6	0.44
(2,5326)	1:170:A:LEU:HD13	1:171:A:ASP:H	6	0.44
(2,5284)	1:167:A:GLU:HB3	1:166:A:GLU:H	1	0.44
(2,5284)	1:167:A:GLU:HB3	1:166:A:GLU:H	5	0.44
(2,5210)	1:157:A:VAL:HG11	1:156:A:ARG:H	20	0.44
(2,5210)	1:157:A:VAL:HG12	1:156:A:ARG:H	20	0.44
(2,5210)	1:157:A:VAL:HG13	1:156:A:ARG:H	20	0.44
(2,4998)	1:116:A:ILE:HD11	1:115:A:THR:H	3	0.44
(2,4998)	1:116:A:ILE:HD12	1:115:A:THR:H	3	0.44
(2,4998)	1:116:A:ILE:HD13	1:115:A:THR:H	3	0.44
(2,4998)	1:116:A:ILE:HD11	1:115:A:THR:H	8	0.44
(2,4998)	1:116:A:ILE:HD12	1:115:A:THR:H	8	0.44
(2,4998)	1:116:A:ILE:HD13	1:115:A:THR:H	8	0.44
(2,4742)	1:73:A:LEU:HD11	1:70:A:PHE:H	9	0.44
(2,4742)	1:73:A:LEU:HD12	1:70:A:PHE:H	9	0.44
(2,4742)	1:73:A:LEU:HD13	1:70:A:PHE:H	9	0.44
(2,4734)	1:65:A:ASP:H	1:69:A:PHE:H	14	0.44
(2,4705)	1:61:A:GLU:HG3	1:62:A:ALA:H	16	0.44
(2,4593)	1:169:A:HIS:HB3	1:173:A:ILE:H	18	0.44
(2,4555)	1:65:A:ASP:HB2	1:37:A:ALA:H	10	0.44
(2,4502)	1:28:A:LYS:HD2	1:29:A:ASP:H	3	0.44
(2,4502)	1:28:A:LYS:HD2	1:29:A:ASP:H	8	0.44
(2,4502)	1:28:A:LYS:HD2	1:29:A:ASP:H	9	0.44
(2,4481)	1:25:A:GLN:HA	1:25:A:GLN:HE22	15	0.44
(2,4481)	1:25:A:GLN:HA	1:25:A:GLN:HE22	20	0.44
(2,4255)	1:79:A:ASN:HD22	1:79:A:ASN:H	5	0.44
(2,4255)	1:79:A:ASN:HD22	1:79:A:ASN:H	12	0.44
(2,4180)	1:102:A:LEU:HD11	1:87:A:GLY:H	13	0.44
(2,4180)	1:102:A:LEU:HD12	1:87:A:GLY:H	13	0.44
(2,4180)	1:102:A:LEU:HD13	1:87:A:GLY:H	13	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4180)	1:102:A:LEU:HD11	1:87:A:GLY:H	17	0.44
(2,4180)	1:102:A:LEU:HD12	1:87:A:GLY:H	17	0.44
(2,4180)	1:102:A:LEU:HD13	1:87:A:GLY:H	17	0.44
(2,4124)	1:25:A:GLN:HA	1:25:A:GLN:HE21	14	0.44
(2,4091)	1:163:A:GLN:HG3	1:164:A:ILE:H	8	0.44
(2,4091)	1:163:A:GLN:HG3	1:164:A:ILE:H	9	0.44
(2,4091)	1:163:A:GLN:HG3	1:164:A:ILE:H	14	0.44
(2,4060)	1:133:A:LEU:HD11	1:135:A:ASP:H	9	0.44
(2,4060)	1:133:A:LEU:HD12	1:135:A:ASP:H	9	0.44
(2,4060)	1:133:A:LEU:HD13	1:135:A:ASP:H	9	0.44
(2,4015)	1:28:A:LYS:HB2	1:29:A:ASP:H	17	0.44
(2,3965)	1:111:A:PRO:HD2	1:108:A:ILE:H	4	0.44
(2,3877)	1:172:A:GLU:HG2	1:172:A:GLU:H	13	0.44
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	1	0.44
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	1	0.44
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	16	0.44
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	16	0.44
(2,3828)	1:151:A:GLU:HG2	1:152:A:LEU:H	7	0.44
(2,3763)	1:32:A:ASP:HB2	1:32:A:ASP:H	4	0.44
(2,3763)	1:32:A:ASP:HB2	1:32:A:ASP:H	19	0.44
(2,3678)	1:52:A:LEU:HD11	1:52:A:LEU:H	10	0.44
(2,3678)	1:52:A:LEU:HD12	1:52:A:LEU:H	10	0.44
(2,3678)	1:52:A:LEU:HD13	1:52:A:LEU:H	10	0.44
(2,3678)	1:52:A:LEU:HD11	1:52:A:LEU:H	12	0.44
(2,3678)	1:52:A:LEU:HD12	1:52:A:LEU:H	12	0.44
(2,3678)	1:52:A:LEU:HD13	1:52:A:LEU:H	12	0.44
(2,3678)	1:52:A:LEU:HD11	1:52:A:LEU:H	20	0.44
(2,3678)	1:52:A:LEU:HD12	1:52:A:LEU:H	20	0.44
(2,3678)	1:52:A:LEU:HD13	1:52:A:LEU:H	20	0.44
(2,3613)	1:105:A:ILE:HG12	1:106:A:ARG:H	15	0.44
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD21	12	0.44
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD22	12	0.44
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD23	12	0.44
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD21	12	0.44
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD22	12	0.44
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD23	12	0.44
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD21	12	0.44
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD22	12	0.44
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD23	12	0.44
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD21	15	0.44
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD22	15	0.44
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD23	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD11	7	0.44
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD12	7	0.44
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD13	7	0.44
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD11	10	0.44
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD12	10	0.44
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD13	10	0.44
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD11	12	0.44
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD12	12	0.44
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD13	12	0.44
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD11	19	0.44
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD12	19	0.44
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD13	19	0.44
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD11	20	0.44
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD12	20	0.44
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD13	20	0.44
(2,3464)	1:170:A:LEU:HB3	1:165:A:SER:HA	5	0.44
(2,3425)	1:131:A:LYS:HB3	1:131:A:LYS:HE2	1	0.44
(2,3394)	1:159:A:LYS:HE2	1:159:A:LYS:HA	10	0.44
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG21	15	0.44
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG22	15	0.44
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG23	15	0.44
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD11	15	0.44
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD12	15	0.44
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD13	15	0.44
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD11	13	0.44
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD12	13	0.44
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD13	13	0.44
(2,3232)	1:161:A:VAL:H	1:142:A:LEU:HG	16	0.44
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG21	4	0.44
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG22	4	0.44
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG23	4	0.44
(2,2982)	1:82:A:LEU:HD21	1:115:A:THR:HA	15	0.44
(2,2982)	1:82:A:LEU:HD22	1:115:A:THR:HA	15	0.44
(2,2982)	1:82:A:LEU:HD23	1:115:A:THR:HA	15	0.44
(2,2982)	1:82:A:LEU:HD21	1:115:A:THR:HA	16	0.44
(2,2982)	1:82:A:LEU:HD22	1:115:A:THR:HA	16	0.44
(2,2982)	1:82:A:LEU:HD23	1:115:A:THR:HA	16	0.44
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD11	3	0.44
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD12	3	0.44
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD13	3	0.44
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD11	18	0.44
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD12	18	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD13	18	0.44
(2,2664)	1:93:A:ASP:HB3	1:92:A:GLU:HA	3	0.44
(2,2564)	1:150:A:PRO:HA	1:144:A:ILE:HG12	4	0.44
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD11	7	0.44
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD12	7	0.44
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD13	7	0.44
(2,2500)	1:81:A:LYS:HD3	1:78:A:PHE:HA	6	0.44
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD11	15	0.44
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD12	15	0.44
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD13	15	0.44
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD11	15	0.44
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD12	15	0.44
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD13	15	0.44
(2,2184)	1:48:A:ASP:HA	1:81:A:LYS:HD2	2	0.44
(2,2184)	1:48:A:ASP:HA	1:81:A:LYS:HD2	9	0.44
(2,2173)	1:49:A:ILE:HG12	1:82:A:LEU:HB3	10	0.44
(2,2173)	1:49:A:ILE:HG12	1:82:A:LEU:HB3	16	0.44
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG21	18	0.44
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG22	18	0.44
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG23	18	0.44
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG21	18	0.44
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG22	18	0.44
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG23	18	0.44
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG21	18	0.44
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG22	18	0.44
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG23	18	0.44
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD11	12	0.44
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD12	12	0.44
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD13	12	0.44
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD11	12	0.44
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD12	12	0.44
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD13	12	0.44
(2,1958)	1:17:A:ASN:HA	1:20:A:LYS:HE3	13	0.44
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG21	18	0.44
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG22	18	0.44
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG23	18	0.44
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG11	12	0.44
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG12	12	0.44
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG13	12	0.44
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG11	12	0.44
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG12	12	0.44
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG13	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG11	12	0.44
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG12	12	0.44
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG13	12	0.44
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG11	20	0.44
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG12	20	0.44
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG13	20	0.44
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG11	20	0.44
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG12	20	0.44
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG13	20	0.44
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG11	20	0.44
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG12	20	0.44
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG13	20	0.44
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG11	9	0.44
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG12	9	0.44
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG13	9	0.44
(2,1719)	1:29:A:ASP:H	1:28:A:LYS:HB2	17	0.44
(2,1689)	1:30:A:VAL:HG11	1:26:A:LEU:HG	1	0.44
(2,1689)	1:30:A:VAL:HG12	1:26:A:LEU:HG	1	0.44
(2,1689)	1:30:A:VAL:HG13	1:26:A:LEU:HG	1	0.44
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG11	17	0.44
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG12	17	0.44
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG13	17	0.44
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD11	5	0.44
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD12	5	0.44
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD13	5	0.44
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG21	7	0.44
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG22	7	0.44
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG23	7	0.44
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG21	8	0.44
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG22	8	0.44
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG23	8	0.44
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG21	15	0.44
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG22	15	0.44
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG23	15	0.44
(2,1389)	1:16:A:GLU:HG3	1:8:A:PHE:HB2	6	0.44
(2,1337)	1:50:A:LEU:HA	1:6:A:ILE:HA	13	0.44
(2,1337)	1:50:A:LEU:HA	1:6:A:ILE:HA	17	0.44
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD21	19	0.44
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD22	19	0.44
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD23	19	0.44
(2,1239)	1:133:A:LEU:HB3	1:133:A:LEU:HD11	19	0.44
(2,1239)	1:133:A:LEU:HB3	1:133:A:LEU:HD12	19	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1239)	1:133:A:LEU:HB3	1:133:A:LEU:HD13	19	0.44
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD11	5	0.44
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD12	5	0.44
(2,1237)	1:140:A:VAL:HG21	1:102:A:LEU:HD13	5	0.44
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD11	5	0.44
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD12	5	0.44
(2,1237)	1:140:A:VAL:HG22	1:102:A:LEU:HD13	5	0.44
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD11	5	0.44
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD12	5	0.44
(2,1237)	1:140:A:VAL:HG23	1:102:A:LEU:HD13	5	0.44
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD11	5	0.44
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD12	5	0.44
(2,1237)	1:140:A:VAL:HG11	1:102:A:LEU:HD13	5	0.44
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD11	5	0.44
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD12	5	0.44
(2,1237)	1:140:A:VAL:HG12	1:102:A:LEU:HD13	5	0.44
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD11	5	0.44
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD12	5	0.44
(2,1237)	1:140:A:VAL:HG13	1:102:A:LEU:HD13	5	0.44
(2,1234)	1:44:A:LEU:HB2	1:44:A:LEU:HD11	7	0.44
(2,1234)	1:44:A:LEU:HB2	1:44:A:LEU:HD12	7	0.44
(2,1234)	1:44:A:LEU:HB2	1:44:A:LEU:HD13	7	0.44
(2,1234)	1:44:A:LEU:HB2	1:44:A:LEU:HD11	13	0.44
(2,1234)	1:44:A:LEU:HB2	1:44:A:LEU:HD12	13	0.44
(2,1234)	1:44:A:LEU:HB2	1:44:A:LEU:HD13	13	0.44
(2,1106)	1:102:A:LEU:HD11	1:102:A:LEU:HA	8	0.44
(2,1106)	1:102:A:LEU:HD12	1:102:A:LEU:HA	8	0.44
(2,1106)	1:102:A:LEU:HD13	1:102:A:LEU:HA	8	0.44
(2,1106)	1:102:A:LEU:HD11	1:102:A:LEU:HA	13	0.44
(2,1106)	1:102:A:LEU:HD12	1:102:A:LEU:HA	13	0.44
(2,1106)	1:102:A:LEU:HD13	1:102:A:LEU:HA	13	0.44
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD11	5	0.44
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD12	5	0.44
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD13	5	0.44
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD11	5	0.44
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD12	5	0.44
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD13	5	0.44
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD11	5	0.44
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD12	5	0.44
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD13	5	0.44
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG21	15	0.44
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG22	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG23	15	0.44
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG21	3	0.44
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG22	3	0.44
(2,1032)	1:3:A:ILE:HB	1:173:A:ILE:HG23	3	0.44
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB1	18	0.44
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB2	18	0.44
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB3	18	0.44
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG11	16	0.44
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG12	16	0.44
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG13	16	0.44
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG11	19	0.44
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG12	19	0.44
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG13	19	0.44
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD11	14	0.44
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD12	14	0.44
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD13	14	0.44
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD11	14	0.44
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD12	14	0.44
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD13	14	0.44
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD11	14	0.44
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD12	14	0.44
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD13	14	0.44
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD11	15	0.44
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD12	15	0.44
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD13	15	0.44
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD11	15	0.44
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD12	15	0.44
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD13	15	0.44
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD11	15	0.44
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD12	15	0.44
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD13	15	0.44
(2,849)	1:115:A:THR:HA	1:82:A:LEU:HD21	15	0.44
(2,849)	1:115:A:THR:HA	1:82:A:LEU:HD22	15	0.44
(2,849)	1:115:A:THR:HA	1:82:A:LEU:HD23	15	0.44
(2,849)	1:115:A:THR:HA	1:82:A:LEU:HD21	16	0.44
(2,849)	1:115:A:THR:HA	1:82:A:LEU:HD22	16	0.44
(2,849)	1:115:A:THR:HA	1:82:A:LEU:HD23	16	0.44
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD21	2	0.44
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD22	2	0.44
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD23	2	0.44
(2,780)	1:173:A:ILE:HA	1:172:A:GLU:HB2	6	0.44
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD11	1	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD12	1	0.44
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD13	1	0.44
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD11	1	0.44
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD12	1	0.44
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD13	1	0.44
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG21	11	0.44
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG22	11	0.44
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG23	11	0.44
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG21	12	0.44
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG22	12	0.44
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG23	12	0.44
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD11	9	0.44
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD12	9	0.44
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD13	9	0.44
(2,416)	1:172:A:GLU:H	1:172:A:GLU:HG2	13	0.44
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD1	2	0.44
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD2	2	0.44
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD1	14	0.44
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD2	14	0.44
(2,96)	1:159:A:LYS:HB2	1:120:A:TRP:HZ2	14	0.44
(2,64)	1:61:A:GLU:HG3	1:58:A:TYR:HD1	12	0.44
(2,64)	1:61:A:GLU:HG3	1:58:A:TYR:HD2	12	0.44
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD22	3	0.43
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD21	3	0.43
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD22	18	0.43
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD21	18	0.43
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD22	20	0.43
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD21	20	0.43
(3,522)	1:108:A:ILE:HG12	1:105:A:ILE:H	8	0.43
(3,522)	1:108:A:ILE:HG12	1:105:A:ILE:H	19	0.43
(3,477)	1:113:A:GLY:H	1:79:A:ASN:HD21	12	0.43
(3,394)	1:44:A:LEU:HD11	1:42:A:GLU:H	13	0.43
(3,394)	1:44:A:LEU:HD12	1:42:A:GLU:H	13	0.43
(3,394)	1:44:A:LEU:HD13	1:42:A:GLU:H	13	0.43
(3,273)	1:144:A:ILE:HG12	1:149:A:GLN:HA	18	0.43
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD11	14	0.43
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD12	14	0.43
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD13	14	0.43
(3,174)	1:55:A:PRO:HB2	1:87:A:GLY:HA3	15	0.43
(3,35)	1:158:A:GLU:H	1:120:A:TRP:HZ2	8	0.43
(2,5343)	1:171:A:ASP:HA	1:175:A:ASN:HD22	5	0.43
(2,5323)	1:172:A:GLU:HG2	1:171:A:ASP:H	8	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5301)	1:164:A:ILE:HD11	1:168:A:LEU:H	15	0.43
(2,5301)	1:164:A:ILE:HD12	1:168:A:LEU:H	15	0.43
(2,5301)	1:164:A:ILE:HD13	1:168:A:LEU:H	15	0.43
(2,5300)	1:82:A:LEU:HD21	1:168:A:LEU:H	13	0.43
(2,5300)	1:82:A:LEU:HD22	1:168:A:LEU:H	13	0.43
(2,5300)	1:82:A:LEU:HD23	1:168:A:LEU:H	13	0.43
(2,5284)	1:167:A:GLU:HB3	1:166:A:GLU:H	9	0.43
(2,5284)	1:167:A:GLU:HB3	1:166:A:GLU:H	17	0.43
(2,5229)	1:145:A:ASP:H	1:156:A:ARG:HE	14	0.43
(2,5077)	1:133:A:LEU:HD11	1:134:A:ALA:H	9	0.43
(2,5077)	1:133:A:LEU:HD12	1:134:A:ALA:H	9	0.43
(2,5077)	1:133:A:LEU:HD13	1:134:A:ALA:H	9	0.43
(2,5045)	1:95:A:ALA:HB1	1:127:A:PHE:H	3	0.43
(2,5045)	1:95:A:ALA:HB2	1:127:A:PHE:H	3	0.43
(2,5045)	1:95:A:ALA:HB3	1:127:A:PHE:H	3	0.43
(2,4998)	1:116:A:ILE:HD11	1:115:A:THR:H	17	0.43
(2,4998)	1:116:A:ILE:HD12	1:115:A:THR:H	17	0.43
(2,4998)	1:116:A:ILE:HD13	1:115:A:THR:H	17	0.43
(2,4965)	1:73:A:LEU:HD11	1:109:A:ILE:H	8	0.43
(2,4965)	1:73:A:LEU:HD12	1:109:A:ILE:H	8	0.43
(2,4965)	1:73:A:LEU:HD13	1:109:A:ILE:H	8	0.43
(2,4742)	1:73:A:LEU:HD11	1:70:A:PHE:H	2	0.43
(2,4742)	1:73:A:LEU:HD12	1:70:A:PHE:H	2	0.43
(2,4742)	1:73:A:LEU:HD13	1:70:A:PHE:H	2	0.43
(2,4742)	1:73:A:LEU:HD11	1:70:A:PHE:H	4	0.43
(2,4742)	1:73:A:LEU:HD12	1:70:A:PHE:H	4	0.43
(2,4742)	1:73:A:LEU:HD13	1:70:A:PHE:H	4	0.43
(2,4742)	1:73:A:LEU:HD11	1:70:A:PHE:H	12	0.43
(2,4742)	1:73:A:LEU:HD12	1:70:A:PHE:H	12	0.43
(2,4742)	1:73:A:LEU:HD13	1:70:A:PHE:H	12	0.43
(2,4705)	1:61:A:GLU:HG3	1:62:A:ALA:H	9	0.43
(2,4705)	1:61:A:GLU:HG3	1:62:A:ALA:H	13	0.43
(2,4481)	1:25:A:GLN:HA	1:25:A:GLN:HE22	16	0.43
(2,4366)	1:6:A:ILE:HG12	1:6:A:ILE:H	17	0.43
(2,4255)	1:79:A:ASN:HD22	1:79:A:ASN:H	15	0.43
(2,4124)	1:25:A:GLN:HA	1:25:A:GLN:HE21	1	0.43
(2,4079)	1:85:A:LEU:HD11	1:86:A:PHE:H	3	0.43
(2,4079)	1:85:A:LEU:HD12	1:86:A:PHE:H	3	0.43
(2,4079)	1:85:A:LEU:HD13	1:86:A:PHE:H	3	0.43
(2,4059)	1:133:A:LEU:HB2	1:135:A:ASP:H	5	0.43
(2,4036)	1:112:A:ARG:HB2	1:112:A:ARG:HE	18	0.43
(2,4002)	1:75:A:GLU:HG3	1:75:A:GLU:H	14	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3987)	1:49:A:ILE:HD11	1:170:A:LEU:H	1	0.43
(2,3987)	1:49:A:ILE:HD12	1:170:A:LEU:H	1	0.43
(2,3987)	1:49:A:ILE:HD13	1:170:A:LEU:H	1	0.43
(2,3903)	1:158:A:GLU:HG3	1:159:A:LYS:H	11	0.43
(2,3876)	1:171:A:ASP:HB2	1:172:A:GLU:H	1	0.43
(2,3860)	1:139:A:PHE:HB2	1:140:A:VAL:H	15	0.43
(2,3860)	1:139:A:PHE:HB2	1:140:A:VAL:H	18	0.43
(2,3858)	1:173:A:ILE:HD11	1:173:A:ILE:H	4	0.43
(2,3858)	1:173:A:ILE:HD12	1:173:A:ILE:H	4	0.43
(2,3858)	1:173:A:ILE:HD13	1:173:A:ILE:H	4	0.43
(2,3858)	1:173:A:ILE:HD11	1:173:A:ILE:H	10	0.43
(2,3858)	1:173:A:ILE:HD12	1:173:A:ILE:H	10	0.43
(2,3858)	1:173:A:ILE:HD13	1:173:A:ILE:H	10	0.43
(2,3794)	1:152:A:LEU:HB3	1:156:A:ARG:H	14	0.43
(2,3759)	1:47:A:TYR:HB2	1:48:A:ASP:H	9	0.43
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	14	0.43
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	14	0.43
(2,3678)	1:52:A:LEU:HD11	1:52:A:LEU:H	18	0.43
(2,3678)	1:52:A:LEU:HD12	1:52:A:LEU:H	18	0.43
(2,3678)	1:52:A:LEU:HD13	1:52:A:LEU:H	18	0.43
(2,3613)	1:105:A:ILE:HG12	1:106:A:ARG:H	9	0.43
(2,3613)	1:105:A:ILE:HG12	1:106:A:ARG:H	14	0.43
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD21	2	0.43
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD22	2	0.43
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD23	2	0.43
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD21	9	0.43
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD22	9	0.43
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD23	9	0.43
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD21	17	0.43
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD22	17	0.43
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD23	17	0.43
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD21	19	0.43
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD22	19	0.43
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD23	19	0.43
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD11	2	0.43
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD12	2	0.43
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD13	2	0.43
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD11	15	0.43
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD12	15	0.43
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD13	15	0.43
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD11	16	0.43
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD12	16	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD13	16	0.43
(2,3464)	1:170:A:LEU:HB3	1:165:A:SER:HA	3	0.43
(2,3464)	1:170:A:LEU:HB3	1:165:A:SER:HA	4	0.43
(2,3464)	1:170:A:LEU:HB3	1:165:A:SER:HA	6	0.43
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG11	20	0.43
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG12	20	0.43
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG13	20	0.43
(2,3319)	1:170:A:LEU:HD11	1:170:A:LEU:HB3	2	0.43
(2,3319)	1:170:A:LEU:HD12	1:170:A:LEU:HB3	2	0.43
(2,3319)	1:170:A:LEU:HD13	1:170:A:LEU:HB3	2	0.43
(2,3299)	1:88:A:CYS:HB2	1:18:A:ILE:HG12	8	0.43
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD11	19	0.43
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD12	19	0.43
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD13	19	0.43
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD11	3	0.43
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD12	3	0.43
(2,3169)	1:122:A:THR:HB	1:133:A:LEU:HD13	3	0.43
(2,3020)	1:167:A:GLU:HG3	1:117:A:VAL:HG21	6	0.43
(2,3020)	1:167:A:GLU:HG3	1:117:A:VAL:HG22	6	0.43
(2,3020)	1:167:A:GLU:HG3	1:117:A:VAL:HG23	6	0.43
(2,2940)	1:112:A:ARG:HD2	1:111:A:PRO:HB3	17	0.43
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD11	14	0.43
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD12	14	0.43
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD13	14	0.43
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD11	15	0.43
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD12	15	0.43
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD13	15	0.43
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB1	3	0.43
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB2	3	0.43
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB3	3	0.43
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB1	3	0.43
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB2	3	0.43
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB3	3	0.43
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB1	3	0.43
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB2	3	0.43
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB3	3	0.43
(2,2500)	1:81:A:LYS:HD3	1:78:A:PHE:HA	9	0.43
(2,2479)	1:30:A:VAL:HG11	1:173:A:ILE:HB	17	0.43
(2,2479)	1:30:A:VAL:HG12	1:173:A:ILE:HB	17	0.43
(2,2479)	1:30:A:VAL:HG13	1:173:A:ILE:HB	17	0.43
(2,2348)	1:70:A:PHE:HE1	1:66:A:TRP:HB2	5	0.43
(2,2348)	1:70:A:PHE:HE2	1:66:A:TRP:HB2	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD11	2	0.43
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD12	2	0.43
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD13	2	0.43
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD11	2	0.43
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD12	2	0.43
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD13	2	0.43
(2,2104)	1:49:A:ILE:HG12	1:49:A:ILE:HG21	11	0.43
(2,2104)	1:49:A:ILE:HG12	1:49:A:ILE:HG22	11	0.43
(2,2104)	1:49:A:ILE:HG12	1:49:A:ILE:HG23	11	0.43
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD21	14	0.43
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD22	14	0.43
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD23	14	0.43
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD21	14	0.43
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD22	14	0.43
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD23	14	0.43
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD21	14	0.43
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD22	14	0.43
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD23	14	0.43
(2,1975)	1:159:A:LYS:H	1:158:A:GLU:HG3	11	0.43
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG21	4	0.43
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG22	4	0.43
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG23	4	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG21	1	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG22	1	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG23	1	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG21	4	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG22	4	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG23	4	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG21	9	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG22	9	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG23	9	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG21	10	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG22	10	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG23	10	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG21	11	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG22	11	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG23	11	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG21	14	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG22	14	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG23	14	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG21	17	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG22	17	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG23	17	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG21	18	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG22	18	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG23	18	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG21	20	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG22	20	0.43
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG23	20	0.43
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG21	7	0.43
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG22	7	0.43
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG23	7	0.43
(2,1429)	1:55:A:PRO:HB2	1:15:A:THR:HB	17	0.43
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG11	17	0.43
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG12	17	0.43
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG13	17	0.43
(2,1234)	1:44:A:LEU:HB2	1:44:A:LEU:HD11	12	0.43
(2,1234)	1:44:A:LEU:HB2	1:44:A:LEU:HD12	12	0.43
(2,1234)	1:44:A:LEU:HB2	1:44:A:LEU:HD13	12	0.43
(2,1234)	1:44:A:LEU:HB2	1:44:A:LEU:HD11	14	0.43
(2,1234)	1:44:A:LEU:HB2	1:44:A:LEU:HD12	14	0.43
(2,1234)	1:44:A:LEU:HB2	1:44:A:LEU:HD13	14	0.43
(2,1234)	1:44:A:LEU:HB2	1:44:A:LEU:HD11	15	0.43
(2,1234)	1:44:A:LEU:HB2	1:44:A:LEU:HD12	15	0.43
(2,1234)	1:44:A:LEU:HB2	1:44:A:LEU:HD13	15	0.43
(2,1232)	1:158:A:GLU:HA	1:162:A:LYS:HE2	7	0.43
(2,1229)	1:16:A:GLU:HG3	1:20:A:LYS:HE3	6	0.43
(2,1229)	1:16:A:GLU:HG3	1:20:A:LYS:HE3	15	0.43
(2,1165)	1:24:A:LYS:HG2	1:21:A:MET:HA	19	0.43
(2,1119)	1:117:A:VAL:HG11	1:164:A:ILE:HA	17	0.43
(2,1119)	1:117:A:VAL:HG12	1:164:A:ILE:HA	17	0.43
(2,1119)	1:117:A:VAL:HG13	1:164:A:ILE:HA	17	0.43
(2,1106)	1:102:A:LEU:HD11	1:102:A:LEU:HA	1	0.43
(2,1106)	1:102:A:LEU:HD12	1:102:A:LEU:HA	1	0.43
(2,1106)	1:102:A:LEU:HD13	1:102:A:LEU:HA	1	0.43
(2,1106)	1:102:A:LEU:HD11	1:102:A:LEU:HA	4	0.43
(2,1106)	1:102:A:LEU:HD12	1:102:A:LEU:HA	4	0.43
(2,1106)	1:102:A:LEU:HD13	1:102:A:LEU:HA	4	0.43
(2,1106)	1:102:A:LEU:HD11	1:102:A:LEU:HA	12	0.43
(2,1106)	1:102:A:LEU:HD12	1:102:A:LEU:HA	12	0.43
(2,1106)	1:102:A:LEU:HD13	1:102:A:LEU:HA	12	0.43
(2,1106)	1:102:A:LEU:HD11	1:102:A:LEU:HA	14	0.43
(2,1106)	1:102:A:LEU:HD12	1:102:A:LEU:HA	14	0.43
(2,1106)	1:102:A:LEU:HD13	1:102:A:LEU:HA	14	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1106)	1:102:A:LEU:HD11	1:102:A:LEU:HA	16	0.43
(2,1106)	1:102:A:LEU:HD12	1:102:A:LEU:HA	16	0.43
(2,1106)	1:102:A:LEU:HD13	1:102:A:LEU:HA	16	0.43
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG21	6	0.43
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG22	6	0.43
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG23	6	0.43
(2,982)	1:157:A:VAL:HG11	1:142:A:LEU:HG	20	0.43
(2,982)	1:157:A:VAL:HG12	1:142:A:LEU:HG	20	0.43
(2,982)	1:157:A:VAL:HG13	1:142:A:LEU:HG	20	0.43
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG11	17	0.43
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG12	17	0.43
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG13	17	0.43
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD11	4	0.43
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD12	4	0.43
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD13	4	0.43
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD21	4	0.43
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD22	4	0.43
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD23	4	0.43
(2,791)	1:38:A:LYS:HA	1:38:A:LYS:HD3	10	0.43
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG21	2	0.43
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG22	2	0.43
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG23	2	0.43
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG21	9	0.43
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG22	9	0.43
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG23	9	0.43
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD21	4	0.43
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD22	4	0.43
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD23	4	0.43
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD21	4	0.43
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD22	4	0.43
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD23	4	0.43
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD11	12	0.43
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD12	12	0.43
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD13	12	0.43
(2,388)	1:172:A:GLU:H	1:171:A:ASP:HB2	1	0.43
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD1	10	0.43
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD2	10	0.43
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD1	19	0.43
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD2	19	0.43
(2,84)	1:159:A:LYS:HG3	1:120:A:TRP:HH2	13	0.43
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD22	2	0.42
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD21	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD22	10	0.42
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD21	10	0.42
(3,307)	1:30:A:VAL:H	1:173:A:ILE:HG21	14	0.42
(3,307)	1:30:A:VAL:H	1:173:A:ILE:HG22	14	0.42
(3,307)	1:30:A:VAL:H	1:173:A:ILE:HG23	14	0.42
(3,119)	1:41:A:LYS:HB2	1:44:A:LEU:HD21	11	0.42
(3,119)	1:41:A:LYS:HB2	1:44:A:LEU:HD22	11	0.42
(3,119)	1:41:A:LYS:HB2	1:44:A:LEU:HD23	11	0.42
(3,19)	1:63:A:GLN:HA	1:57:A:TRP:HZ2	12	0.42
(2,5355)	1:142:A:LEU:HD11	1:120:A:TRP:HE1	13	0.42
(2,5355)	1:142:A:LEU:HD12	1:120:A:TRP:HE1	13	0.42
(2,5355)	1:142:A:LEU:HD13	1:120:A:TRP:HE1	13	0.42
(2,5355)	1:142:A:LEU:HD11	1:120:A:TRP:HE1	16	0.42
(2,5355)	1:142:A:LEU:HD12	1:120:A:TRP:HE1	16	0.42
(2,5355)	1:142:A:LEU:HD13	1:120:A:TRP:HE1	16	0.42
(2,5343)	1:171:A:ASP:HA	1:175:A:ASN:HD22	13	0.42
(2,5342)	1:171:A:ASP:HB2	1:175:A:ASN:H	1	0.42
(2,5324)	1:166:A:GLU:HB2	1:171:A:ASP:H	11	0.42
(2,5322)	1:169:A:HIS:HB2	1:171:A:ASP:H	3	0.42
(2,5309)	1:169:A:HIS:HB2	1:169:A:HIS:H	2	0.42
(2,5286)	1:168:A:LEU:HD21	1:166:A:GLU:H	6	0.42
(2,5286)	1:168:A:LEU:HD22	1:166:A:GLU:H	6	0.42
(2,5286)	1:168:A:LEU:HD23	1:166:A:GLU:H	6	0.42
(2,5284)	1:167:A:GLU:HB3	1:166:A:GLU:H	7	0.42
(2,5077)	1:133:A:LEU:HD11	1:134:A:ALA:H	6	0.42
(2,5077)	1:133:A:LEU:HD12	1:134:A:ALA:H	6	0.42
(2,5077)	1:133:A:LEU:HD13	1:134:A:ALA:H	6	0.42
(2,4901)	1:128:A:GLU:HB2	1:98:A:PHE:H	13	0.42
(2,4789)	1:113:A:GLY:HA2	1:79:A:ASN:H	5	0.42
(2,4784)	1:113:A:GLY:HA2	1:78:A:PHE:H	1	0.42
(2,4768)	1:76:A:ILE:HG12	1:75:A:GLU:H	5	0.42
(2,4742)	1:73:A:LEU:HD11	1:70:A:PHE:H	1	0.42
(2,4742)	1:73:A:LEU:HD12	1:70:A:PHE:H	1	0.42
(2,4742)	1:73:A:LEU:HD13	1:70:A:PHE:H	1	0.42
(2,4634)	1:50:A:LEU:HD11	1:48:A:ASP:H	12	0.42
(2,4634)	1:50:A:LEU:HD12	1:48:A:ASP:H	12	0.42
(2,4634)	1:50:A:LEU:HD13	1:48:A:ASP:H	12	0.42
(2,4555)	1:65:A:ASP:HB2	1:37:A:ALA:H	1	0.42
(2,4502)	1:28:A:LYS:HD2	1:29:A:ASP:H	7	0.42
(2,4502)	1:28:A:LYS:HD2	1:29:A:ASP:H	13	0.42
(2,4488)	1:158:A:GLU:HA	1:25:A:GLN:HE21	14	0.42
(2,4483)	1:162:A:LYS:HD2	1:25:A:GLN:HE22	3	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4366)	1:6:A:ILE:HG12	1:6:A:ILE:H	1	0.42
(2,4124)	1:25:A:GLN:HA	1:25:A:GLN:HE21	18	0.42
(2,4091)	1:163:A:GLN:HG3	1:164:A:ILE:H	1	0.42
(2,4091)	1:163:A:GLN:HG3	1:164:A:ILE:H	2	0.42
(2,4060)	1:133:A:LEU:HD11	1:135:A:ASP:H	19	0.42
(2,4060)	1:133:A:LEU:HD12	1:135:A:ASP:H	19	0.42
(2,4060)	1:133:A:LEU:HD13	1:135:A:ASP:H	19	0.42
(2,4059)	1:133:A:LEU:HB2	1:135:A:ASP:H	3	0.42
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD21	16	0.42
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD22	16	0.42
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD21	19	0.42
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD22	19	0.42
(2,3988)	1:170:A:LEU:HD11	1:170:A:LEU:H	13	0.42
(2,3988)	1:170:A:LEU:HD12	1:170:A:LEU:H	13	0.42
(2,3988)	1:170:A:LEU:HD13	1:170:A:LEU:H	13	0.42
(2,3988)	1:170:A:LEU:HD11	1:170:A:LEU:H	17	0.42
(2,3988)	1:170:A:LEU:HD12	1:170:A:LEU:H	17	0.42
(2,3988)	1:170:A:LEU:HD13	1:170:A:LEU:H	17	0.42
(2,3860)	1:139:A:PHE:HB2	1:140:A:VAL:H	4	0.42
(2,3858)	1:173:A:ILE:HD11	1:173:A:ILE:H	1	0.42
(2,3858)	1:173:A:ILE:HD12	1:173:A:ILE:H	1	0.42
(2,3858)	1:173:A:ILE:HD13	1:173:A:ILE:H	1	0.42
(2,3858)	1:173:A:ILE:HD11	1:173:A:ILE:H	19	0.42
(2,3858)	1:173:A:ILE:HD12	1:173:A:ILE:H	19	0.42
(2,3858)	1:173:A:ILE:HD13	1:173:A:ILE:H	19	0.42
(2,3759)	1:47:A:TYR:HB2	1:48:A:ASP:H	16	0.42
(2,3732)	1:165:A:SER:HB3	1:166:A:GLU:H	14	0.42
(2,3715)	1:67:A:ASP:HB3	1:62:A:ALA:H	3	0.42
(2,3684)	1:158:A:GLU:HA	1:162:A:LYS:H	14	0.42
(2,3678)	1:52:A:LEU:HD11	1:52:A:LEU:H	15	0.42
(2,3678)	1:52:A:LEU:HD12	1:52:A:LEU:H	15	0.42
(2,3678)	1:52:A:LEU:HD13	1:52:A:LEU:H	15	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD21	1	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD22	1	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD23	1	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD21	7	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD22	7	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD23	7	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD21	8	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD22	8	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD23	8	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD21	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD22	10	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD23	10	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD21	12	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD22	12	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD23	12	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD21	16	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD22	16	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD23	16	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD21	18	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD22	18	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD23	18	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD21	20	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD22	20	0.42
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD23	20	0.42
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD11	18	0.42
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD12	18	0.42
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD13	18	0.42
(2,3464)	1:170:A:LEU:HB3	1:165:A:SER:HA	19	0.42
(2,3429)	1:155:A:GLU:HG2	1:159:A:LYS:HE2	15	0.42
(2,3394)	1:159:A:LYS:HE2	1:159:A:LYS:HA	9	0.42
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD11	16	0.42
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD12	16	0.42
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD13	16	0.42
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD11	16	0.42
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD12	16	0.42
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD13	16	0.42
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD11	16	0.42
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD12	16	0.42
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD13	16	0.42
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG21	16	0.42
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG22	16	0.42
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG23	16	0.42
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG21	16	0.42
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG22	16	0.42
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG23	16	0.42
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG21	16	0.42
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG22	16	0.42
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG23	16	0.42
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG21	1	0.42
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG22	1	0.42
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG23	1	0.42
(2,2985)	1:163:A:GLN:HG2	1:160:A:TRP:HA	9	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2982)	1:82:A:LEU:HD21	1:115:A:THR:HA	18	0.42
(2,2982)	1:82:A:LEU:HD22	1:115:A:THR:HA	18	0.42
(2,2982)	1:82:A:LEU:HD23	1:115:A:THR:HA	18	0.42
(2,2973)	1:150:A:PRO:HD3	1:144:A:ILE:HG21	13	0.42
(2,2973)	1:150:A:PRO:HD3	1:144:A:ILE:HG22	13	0.42
(2,2973)	1:150:A:PRO:HD3	1:144:A:ILE:HG23	13	0.42
(2,2944)	1:110:A:GLU:HB2	1:111:A:PRO:HD2	2	0.42
(2,2944)	1:110:A:GLU:HB2	1:111:A:PRO:HD2	10	0.42
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD11	6	0.42
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD12	6	0.42
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD13	6	0.42
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG21	6	0.42
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG22	6	0.42
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG23	6	0.42
(2,2626)	1:142:A:LEU:HB2	1:86:A:PHE:HB3	16	0.42
(2,2500)	1:81:A:LYS:HD3	1:78:A:PHE:HA	19	0.42
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG21	15	0.42
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG22	15	0.42
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG23	15	0.42
(2,2218)	1:76:A:ILE:HG12	1:41:A:LYS:HG2	1	0.42
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD11	4	0.42
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD12	4	0.42
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD13	4	0.42
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD11	4	0.42
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD12	4	0.42
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD13	4	0.42
(2,2172)	1:84:A:ALA:HB1	1:51:A:LEU:HB2	10	0.42
(2,2172)	1:84:A:ALA:HB2	1:51:A:LEU:HB2	10	0.42
(2,2172)	1:84:A:ALA:HB3	1:51:A:LEU:HB2	10	0.42
(2,2104)	1:49:A:ILE:HG12	1:49:A:ILE:HG21	3	0.42
(2,2104)	1:49:A:ILE:HG12	1:49:A:ILE:HG22	3	0.42
(2,2104)	1:49:A:ILE:HG12	1:49:A:ILE:HG23	3	0.42
(2,1953)	1:72:A:THR:HG21	1:41:A:LYS:HD2	10	0.42
(2,1953)	1:72:A:THR:HG22	1:41:A:LYS:HD2	10	0.42
(2,1953)	1:72:A:THR:HG23	1:41:A:LYS:HD2	10	0.42
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG21	11	0.42
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG22	11	0.42
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG23	11	0.42
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG21	12	0.42
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG22	12	0.42
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG23	12	0.42
(2,1649)	1:24:A:LYS:H	1:24:A:LYS:HD2	14	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1649)	1:24:A:LYS:H	1:24:A:LYS:HD2	17	0.42
(2,1526)	1:33:A:VAL:HB	1:20:A:LYS:HG3	6	0.42
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD11	12	0.42
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD12	12	0.42
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD13	12	0.42
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD11	9	0.42
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD12	9	0.42
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD13	9	0.42
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD11	9	0.42
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD12	9	0.42
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD13	9	0.42
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD11	16	0.42
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD12	16	0.42
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD13	16	0.42
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD11	16	0.42
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD12	16	0.42
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD13	16	0.42
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG21	3	0.42
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG22	3	0.42
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG23	3	0.42
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG21	5	0.42
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG22	5	0.42
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG23	5	0.42
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG21	6	0.42
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG22	6	0.42
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG23	6	0.42
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG21	13	0.42
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG22	13	0.42
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG23	13	0.42
(2,1315)	1:51:A:LEU:HD21	1:4:A:THR:HB	4	0.42
(2,1315)	1:51:A:LEU:HD22	1:4:A:THR:HB	4	0.42
(2,1315)	1:51:A:LEU:HD23	1:4:A:THR:HB	4	0.42
(2,1315)	1:51:A:LEU:HD21	1:4:A:THR:HB	6	0.42
(2,1315)	1:51:A:LEU:HD22	1:4:A:THR:HB	6	0.42
(2,1315)	1:51:A:LEU:HD23	1:4:A:THR:HB	6	0.42
(2,1234)	1:44:A:LEU:HB2	1:44:A:LEU:HD11	5	0.42
(2,1234)	1:44:A:LEU:HB2	1:44:A:LEU:HD12	5	0.42
(2,1234)	1:44:A:LEU:HB2	1:44:A:LEU:HD13	5	0.42
(2,1130)	1:170:A:LEU:HD11	1:170:A:LEU:HA	3	0.42
(2,1130)	1:170:A:LEU:HD12	1:170:A:LEU:HA	3	0.42
(2,1130)	1:170:A:LEU:HD13	1:170:A:LEU:HA	3	0.42
(2,1106)	1:102:A:LEU:HD11	1:102:A:LEU:HA	3	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1106)	1:102:A:LEU:HD12	1:102:A:LEU:HA	3	0.42
(2,1106)	1:102:A:LEU:HD13	1:102:A:LEU:HA	3	0.42
(2,1106)	1:102:A:LEU:HD11	1:102:A:LEU:HA	9	0.42
(2,1106)	1:102:A:LEU:HD12	1:102:A:LEU:HA	9	0.42
(2,1106)	1:102:A:LEU:HD13	1:102:A:LEU:HA	9	0.42
(2,1106)	1:102:A:LEU:HD11	1:102:A:LEU:HA	10	0.42
(2,1106)	1:102:A:LEU:HD12	1:102:A:LEU:HA	10	0.42
(2,1106)	1:102:A:LEU:HD13	1:102:A:LEU:HA	10	0.42
(2,1106)	1:102:A:LEU:HD11	1:102:A:LEU:HA	20	0.42
(2,1106)	1:102:A:LEU:HD12	1:102:A:LEU:HA	20	0.42
(2,1106)	1:102:A:LEU:HD13	1:102:A:LEU:HA	20	0.42
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG11	8	0.42
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG12	8	0.42
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG13	8	0.42
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG11	8	0.42
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG12	8	0.42
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG13	8	0.42
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG11	8	0.42
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG12	8	0.42
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG13	8	0.42
(2,849)	1:115:A:THR:HA	1:82:A:LEU:HD21	18	0.42
(2,849)	1:115:A:THR:HA	1:82:A:LEU:HD22	18	0.42
(2,849)	1:115:A:THR:HA	1:82:A:LEU:HD23	18	0.42
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD21	4	0.42
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD22	4	0.42
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD23	4	0.42
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD21	6	0.42
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD22	6	0.42
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD23	6	0.42
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD11	8	0.42
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD12	8	0.42
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD13	8	0.42
(2,816)	1:165:A:SER:HA	1:26:A:LEU:HG	18	0.42
(2,804)	1:112:A:ARG:HA	1:112:A:ARG:HG3	20	0.42
(2,791)	1:38:A:LYS:HA	1:38:A:LYS:HD3	9	0.42
(2,791)	1:38:A:LYS:HA	1:38:A:LYS:HD3	15	0.42
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD11	13	0.42
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD12	13	0.42
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD13	13	0.42
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD11	16	0.42
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD12	16	0.42
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD13	16	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD11	19	0.42
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD12	19	0.42
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD13	19	0.42
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD11	11	0.42
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD12	11	0.42
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD13	11	0.42
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD11	11	0.42
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD12	11	0.42
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD13	11	0.42
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD11	16	0.42
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD12	16	0.42
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD13	16	0.42
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD11	16	0.42
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD12	16	0.42
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD13	16	0.42
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD11	1	0.42
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD12	1	0.42
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD13	1	0.42
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD11	8	0.42
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD12	8	0.42
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD13	8	0.42
(2,408)	1:17:A:ASN:HD21	1:17:A:ASN:HB2	16	0.42
(2,408)	1:17:A:ASN:HD21	1:17:A:ASN:HB2	19	0.42
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD22	6	0.41
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD21	6	0.41
(3,522)	1:108:A:ILE:HG12	1:105:A:ILE:H	1	0.41
(3,378)	1:6:A:ILE:HG12	1:33:A:VAL:H	14	0.41
(2,5383)	1:40:A:SER:HB2	1:43:A:ASP:H	13	0.41
(2,5355)	1:142:A:LEU:HD11	1:120:A:TRP:HE1	14	0.41
(2,5355)	1:142:A:LEU:HD12	1:120:A:TRP:HE1	14	0.41
(2,5355)	1:142:A:LEU:HD13	1:120:A:TRP:HE1	14	0.41
(2,5324)	1:166:A:GLU:HB2	1:171:A:ASP:H	17	0.41
(2,5284)	1:167:A:GLU:HB3	1:166:A:GLU:H	10	0.41
(2,5284)	1:167:A:GLU:HB3	1:166:A:GLU:H	16	0.41
(2,5284)	1:167:A:GLU:HB3	1:166:A:GLU:H	18	0.41
(2,5229)	1:145:A:ASP:H	1:156:A:ARG:HE	15	0.41
(2,5190)	1:156:A:ARG:HB3	1:153:A:THR:H	19	0.41
(2,5190)	1:156:A:ARG:HB2	1:153:A:THR:H	19	0.41
(2,4951)	1:108:A:ILE:HG12	1:107:A:ASP:H	1	0.41
(2,4789)	1:113:A:GLY:HA2	1:79:A:ASN:H	20	0.41
(2,4784)	1:113:A:GLY:HA2	1:78:A:PHE:H	13	0.41
(2,4634)	1:50:A:LEU:HD11	1:48:A:ASP:H	3	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4634)	1:50:A:LEU:HD12	1:48:A:ASP:H	3	0.41
(2,4634)	1:50:A:LEU:HD13	1:48:A:ASP:H	3	0.41
(2,4593)	1:169:A:HIS:HB3	1:173:A:ILE:H	8	0.41
(2,4593)	1:169:A:HIS:HB3	1:173:A:ILE:H	12	0.41
(2,4555)	1:65:A:ASP:HB2	1:37:A:ALA:H	15	0.41
(2,4515)	1:26:A:LEU:HD11	1:31:A:ALA:H	2	0.41
(2,4515)	1:26:A:LEU:HD12	1:31:A:ALA:H	2	0.41
(2,4515)	1:26:A:LEU:HD13	1:31:A:ALA:H	2	0.41
(2,4481)	1:25:A:GLN:HA	1:25:A:GLN:HE22	19	0.41
(2,4366)	1:6:A:ILE:HG12	1:6:A:ILE:H	15	0.41
(2,4180)	1:102:A:LEU:HD11	1:87:A:GLY:H	11	0.41
(2,4180)	1:102:A:LEU:HD12	1:87:A:GLY:H	11	0.41
(2,4180)	1:102:A:LEU:HD13	1:87:A:GLY:H	11	0.41
(2,4124)	1:25:A:GLN:HA	1:25:A:GLN:HE21	10	0.41
(2,4091)	1:163:A:GLN:HG3	1:164:A:ILE:H	17	0.41
(2,4060)	1:133:A:LEU:HD11	1:135:A:ASP:H	6	0.41
(2,4060)	1:133:A:LEU:HD12	1:135:A:ASP:H	6	0.41
(2,4060)	1:133:A:LEU:HD13	1:135:A:ASP:H	6	0.41
(2,4015)	1:28:A:LYS:HB2	1:29:A:ASP:H	4	0.41
(2,3987)	1:49:A:ILE:HD11	1:170:A:LEU:H	4	0.41
(2,3987)	1:49:A:ILE:HD12	1:170:A:LEU:H	4	0.41
(2,3987)	1:49:A:ILE:HD13	1:170:A:LEU:H	4	0.41
(2,3902)	1:158:A:GLU:HB3	1:159:A:LYS:H	20	0.41
(2,3860)	1:139:A:PHE:HB2	1:140:A:VAL:H	3	0.41
(2,3860)	1:139:A:PHE:HB2	1:140:A:VAL:H	12	0.41
(2,3858)	1:173:A:ILE:HD11	1:173:A:ILE:H	17	0.41
(2,3858)	1:173:A:ILE:HD12	1:173:A:ILE:H	17	0.41
(2,3858)	1:173:A:ILE:HD13	1:173:A:ILE:H	17	0.41
(2,3858)	1:173:A:ILE:HD11	1:173:A:ILE:H	18	0.41
(2,3858)	1:173:A:ILE:HD12	1:173:A:ILE:H	18	0.41
(2,3858)	1:173:A:ILE:HD13	1:173:A:ILE:H	18	0.41
(2,3858)	1:173:A:ILE:HD11	1:173:A:ILE:H	20	0.41
(2,3858)	1:173:A:ILE:HD12	1:173:A:ILE:H	20	0.41
(2,3858)	1:173:A:ILE:HD13	1:173:A:ILE:H	20	0.41
(2,3853)	1:44:A:LEU:HD11	1:43:A:ASP:H	12	0.41
(2,3853)	1:44:A:LEU:HD12	1:43:A:ASP:H	12	0.41
(2,3853)	1:44:A:LEU:HD13	1:43:A:ASP:H	12	0.41
(2,3794)	1:152:A:LEU:HB3	1:156:A:ARG:H	3	0.41
(2,3792)	1:155:A:GLU:HG3	1:156:A:ARG:H	13	0.41
(2,3763)	1:32:A:ASP:HB2	1:32:A:ASP:H	10	0.41
(2,3763)	1:32:A:ASP:HB2	1:32:A:ASP:H	13	0.41
(2,3763)	1:32:A:ASP:HB2	1:32:A:ASP:H	16	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3763)	1:32:A:ASP:HB2	1:32:A:ASP:H	17	0.41
(2,3678)	1:52:A:LEU:HD11	1:52:A:LEU:H	6	0.41
(2,3678)	1:52:A:LEU:HD12	1:52:A:LEU:H	6	0.41
(2,3678)	1:52:A:LEU:HD13	1:52:A:LEU:H	6	0.41
(2,3678)	1:52:A:LEU:HD11	1:52:A:LEU:H	7	0.41
(2,3678)	1:52:A:LEU:HD12	1:52:A:LEU:H	7	0.41
(2,3678)	1:52:A:LEU:HD13	1:52:A:LEU:H	7	0.41
(2,3678)	1:52:A:LEU:HD11	1:52:A:LEU:H	11	0.41
(2,3678)	1:52:A:LEU:HD12	1:52:A:LEU:H	11	0.41
(2,3678)	1:52:A:LEU:HD13	1:52:A:LEU:H	11	0.41
(2,3613)	1:105:A:ILE:HG12	1:106:A:ARG:H	4	0.41
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD21	4	0.41
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD22	4	0.41
(2,3483)	1:168:A:LEU:HB2	1:168:A:LEU:HD23	4	0.41
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD11	11	0.41
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD12	11	0.41
(2,3479)	1:168:A:LEU:HA	1:168:A:LEU:HD13	11	0.41
(2,3412)	1:22:A:ILE:HA	1:161:A:VAL:HG11	4	0.41
(2,3412)	1:22:A:ILE:HA	1:161:A:VAL:HG12	4	0.41
(2,3412)	1:22:A:ILE:HA	1:161:A:VAL:HG13	4	0.41
(2,3412)	1:22:A:ILE:HA	1:161:A:VAL:HG11	11	0.41
(2,3412)	1:22:A:ILE:HA	1:161:A:VAL:HG12	11	0.41
(2,3412)	1:22:A:ILE:HA	1:161:A:VAL:HG13	11	0.41
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD11	18	0.41
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD12	18	0.41
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD13	18	0.41
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD11	19	0.41
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD12	19	0.41
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD13	19	0.41
(2,3299)	1:88:A:CYS:HB2	1:18:A:ILE:HG12	17	0.41
(2,3176)	1:140:A:VAL:HG11	1:134:A:ALA:HA	7	0.41
(2,3176)	1:140:A:VAL:HG12	1:134:A:ALA:HA	7	0.41
(2,3176)	1:140:A:VAL:HG13	1:134:A:ALA:HA	7	0.41
(2,3176)	1:140:A:VAL:HG11	1:134:A:ALA:HA	18	0.41
(2,3176)	1:140:A:VAL:HG12	1:134:A:ALA:HA	18	0.41
(2,3176)	1:140:A:VAL:HG13	1:134:A:ALA:HA	18	0.41
(2,2965)	1:111:A:PRO:HG2	1:112:A:ARG:HD3	4	0.41
(2,2664)	1:93:A:ASP:HB3	1:92:A:GLU:HA	14	0.41
(2,2566)	1:168:A:LEU:H	1:164:A:ILE:HG12	7	0.41
(2,2566)	1:168:A:LEU:H	1:164:A:ILE:HG12	20	0.41
(2,2548)	1:117:A:VAL:HG11	1:82:A:LEU:HB2	7	0.41
(2,2548)	1:117:A:VAL:HG12	1:82:A:LEU:HB2	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2548)	1:117:A:VAL:HG13	1:82:A:LEU:HB2	7	0.41
(2,2510)	1:113:A:GLY:HA2	1:79:A:ASN:HA	7	0.41
(2,2460)	1:162:A:LYS:HE2	1:158:A:GLU:HG3	10	0.41
(2,2275)	1:158:A:GLU:HG3	1:155:A:GLU:HA	3	0.41
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD11	12	0.41
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD12	12	0.41
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD13	12	0.41
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD21	8	0.41
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD22	8	0.41
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD23	8	0.41
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD21	15	0.41
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD22	15	0.41
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD23	15	0.41
(2,2046)	1:77:A:ASP:HB3	1:45:A:GLU:HA	13	0.41
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD11	8	0.41
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD12	8	0.41
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD13	8	0.41
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD11	8	0.41
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD12	8	0.41
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD13	8	0.41
(2,1973)	1:156:A:ARG:H	1:155:A:GLU:HG3	13	0.41
(2,1958)	1:17:A:ASN:HA	1:20:A:LYS:HE3	5	0.41
(2,1825)	1:148:A:ARG:HE	1:149:A:GLN:HG2	1	0.41
(2,1719)	1:29:A:ASP:H	1:28:A:LYS:HB2	4	0.41
(2,1577)	1:25:A:GLN:HB3	1:22:A:ILE:HA	7	0.41
(2,1576)	1:25:A:GLN:HG2	1:22:A:ILE:HA	4	0.41
(2,1526)	1:33:A:VAL:HB	1:20:A:LYS:HG3	3	0.41
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD11	3	0.41
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD12	3	0.41
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD13	3	0.41
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG21	2	0.41
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG22	2	0.41
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG23	2	0.41
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG21	12	0.41
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG22	12	0.41
(2,1491)	1:18:A:ILE:HG12	1:18:A:ILE:HG23	12	0.41
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG21	1	0.41
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG22	1	0.41
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG23	1	0.41
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD11	13	0.41
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD12	13	0.41
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD13	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1465)	1:18:A:ILE:HD11	1:17:A:ASN:HB2	13	0.41
(2,1465)	1:18:A:ILE:HD12	1:17:A:ASN:HB2	13	0.41
(2,1465)	1:18:A:ILE:HD13	1:17:A:ASN:HB2	13	0.41
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG21	9	0.41
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG22	9	0.41
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG23	9	0.41
(2,1315)	1:51:A:LEU:HD21	1:4:A:THR:HB	2	0.41
(2,1315)	1:51:A:LEU:HD22	1:4:A:THR:HB	2	0.41
(2,1315)	1:51:A:LEU:HD23	1:4:A:THR:HB	2	0.41
(2,1315)	1:51:A:LEU:HD21	1:4:A:THR:HB	20	0.41
(2,1315)	1:51:A:LEU:HD22	1:4:A:THR:HB	20	0.41
(2,1315)	1:51:A:LEU:HD23	1:4:A:THR:HB	20	0.41
(2,1279)	1:168:A:LEU:HD11	1:170:A:LEU:HG	18	0.41
(2,1279)	1:168:A:LEU:HD12	1:170:A:LEU:HG	18	0.41
(2,1279)	1:168:A:LEU:HD13	1:170:A:LEU:HG	18	0.41
(2,1279)	1:168:A:LEU:HD11	1:170:A:LEU:HG	19	0.41
(2,1279)	1:168:A:LEU:HD12	1:170:A:LEU:HG	19	0.41
(2,1279)	1:168:A:LEU:HD13	1:170:A:LEU:HG	19	0.41
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD21	3	0.41
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD22	3	0.41
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD23	3	0.41
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD21	3	0.41
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD22	3	0.41
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD23	3	0.41
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD21	3	0.41
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD22	3	0.41
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD23	3	0.41
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD21	12	0.41
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD22	12	0.41
(2,1243)	1:140:A:VAL:HG21	1:102:A:LEU:HD23	12	0.41
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD21	12	0.41
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD22	12	0.41
(2,1243)	1:140:A:VAL:HG22	1:102:A:LEU:HD23	12	0.41
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD21	12	0.41
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD22	12	0.41
(2,1243)	1:140:A:VAL:HG23	1:102:A:LEU:HD23	12	0.41
(2,1232)	1:158:A:GLU:HA	1:162:A:LYS:HE2	9	0.41
(2,1130)	1:170:A:LEU:HD11	1:170:A:LEU:HA	5	0.41
(2,1130)	1:170:A:LEU:HD12	1:170:A:LEU:HA	5	0.41
(2,1130)	1:170:A:LEU:HD13	1:170:A:LEU:HA	5	0.41
(2,1130)	1:170:A:LEU:HD11	1:170:A:LEU:HA	6	0.41
(2,1130)	1:170:A:LEU:HD12	1:170:A:LEU:HA	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1130)	1:170:A:LEU:HD13	1:170:A:LEU:HA	6	0.41
(2,1130)	1:170:A:LEU:HD11	1:170:A:LEU:HA	8	0.41
(2,1130)	1:170:A:LEU:HD12	1:170:A:LEU:HA	8	0.41
(2,1130)	1:170:A:LEU:HD13	1:170:A:LEU:HA	8	0.41
(2,1130)	1:170:A:LEU:HD11	1:170:A:LEU:HA	12	0.41
(2,1130)	1:170:A:LEU:HD12	1:170:A:LEU:HA	12	0.41
(2,1130)	1:170:A:LEU:HD13	1:170:A:LEU:HA	12	0.41
(2,1106)	1:102:A:LEU:HD11	1:102:A:LEU:HA	15	0.41
(2,1106)	1:102:A:LEU:HD12	1:102:A:LEU:HA	15	0.41
(2,1106)	1:102:A:LEU:HD13	1:102:A:LEU:HA	15	0.41
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG21	10	0.41
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG22	10	0.41
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG23	10	0.41
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD11	4	0.41
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD12	4	0.41
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD13	4	0.41
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD11	9	0.41
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD12	9	0.41
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD13	9	0.41
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD21	2	0.41
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD22	2	0.41
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD23	2	0.41
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD21	20	0.41
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD22	20	0.41
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD23	20	0.41
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD11	10	0.41
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD12	10	0.41
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD13	10	0.41
(2,816)	1:165:A:SER:HA	1:26:A:LEU:HG	7	0.41
(2,791)	1:38:A:LYS:HA	1:38:A:LYS:HD3	18	0.41
(2,748)	1:155:A:GLU:HA	1:158:A:GLU:HG3	3	0.41
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG21	3	0.41
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG22	3	0.41
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG23	3	0.41
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD11	14	0.41
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD12	14	0.41
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD13	14	0.41
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD11	6	0.41
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD12	6	0.41
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD13	6	0.41
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG21	13	0.41
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG22	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG23	13	0.41
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD11	15	0.41
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD12	15	0.41
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD13	15	0.41
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD11	15	0.41
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD12	15	0.41
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD13	15	0.41
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD21	11	0.41
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD22	11	0.41
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD23	11	0.41
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD21	11	0.41
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD22	11	0.41
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD23	11	0.41
(2,47)	1:94:A:TYR:HD1	2:201:A:FMN:H6	6	0.41
(3,477)	1:113:A:GLY:H	1:79:A:ASN:HD21	2	0.4
(3,477)	1:113:A:GLY:H	1:79:A:ASN:HD21	19	0.4
(3,377)	1:20:A:LYS:HG2	1:33:A:VAL:H	14	0.4
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD11	15	0.4
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD12	15	0.4
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD13	15	0.4
(3,19)	1:63:A:GLN:HA	1:57:A:TRP:HZ2	6	0.4
(2,5375)	1:145:A:ASP:HB3	1:91:A:GLN:HE21	11	0.4
(2,5345)	1:174:A:LEU:HG	1:175:A:ASN:HD22	1	0.4
(2,5336)	1:170:A:LEU:HD11	1:174:A:LEU:H	19	0.4
(2,5336)	1:170:A:LEU:HD12	1:174:A:LEU:H	19	0.4
(2,5336)	1:170:A:LEU:HD13	1:174:A:LEU:H	19	0.4
(2,5323)	1:172:A:GLU:HG2	1:171:A:ASP:H	12	0.4
(2,5078)	1:140:A:VAL:HB	1:134:A:ALA:H	11	0.4
(2,5075)	1:140:A:VAL:HB	1:134:A:ALA:H	11	0.4
(2,4705)	1:61:A:GLU:HG3	1:62:A:ALA:H	8	0.4
(2,4555)	1:65:A:ASP:HB2	1:37:A:ALA:H	12	0.4
(2,4502)	1:28:A:LYS:HD2	1:29:A:ASP:H	2	0.4
(2,4502)	1:28:A:LYS:HD2	1:29:A:ASP:H	10	0.4
(2,4491)	1:161:A:VAL:HG21	1:26:A:LEU:H	17	0.4
(2,4491)	1:161:A:VAL:HG22	1:26:A:LEU:H	17	0.4
(2,4491)	1:161:A:VAL:HG23	1:26:A:LEU:H	17	0.4
(2,4477)	1:26:A:LEU:HD21	1:25:A:GLN:H	13	0.4
(2,4477)	1:26:A:LEU:HD22	1:25:A:GLN:H	13	0.4
(2,4477)	1:26:A:LEU:HD23	1:25:A:GLN:H	13	0.4
(2,4180)	1:102:A:LEU:HD11	1:87:A:GLY:H	4	0.4
(2,4180)	1:102:A:LEU:HD12	1:87:A:GLY:H	4	0.4
(2,4180)	1:102:A:LEU:HD13	1:87:A:GLY:H	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4136)	1:158:A:GLU:HA	1:25:A:GLN:HE22	13	0.4
(2,4124)	1:25:A:GLN:HA	1:25:A:GLN:HE21	15	0.4
(2,4113)	1:167:A:GLU:HA	1:169:A:HIS:H	5	0.4
(2,4098)	1:45:A:GLU:HG2	1:45:A:GLU:H	5	0.4
(2,4098)	1:45:A:GLU:HG2	1:45:A:GLU:H	8	0.4
(2,4091)	1:163:A:GLN:HG3	1:164:A:ILE:H	18	0.4
(2,4079)	1:85:A:LEU:HD11	1:86:A:PHE:H	18	0.4
(2,4079)	1:85:A:LEU:HD12	1:86:A:PHE:H	18	0.4
(2,4079)	1:85:A:LEU:HD13	1:86:A:PHE:H	18	0.4
(2,3988)	1:170:A:LEU:HD11	1:170:A:LEU:H	4	0.4
(2,3988)	1:170:A:LEU:HD12	1:170:A:LEU:H	4	0.4
(2,3988)	1:170:A:LEU:HD13	1:170:A:LEU:H	4	0.4
(2,3902)	1:158:A:GLU:HB3	1:159:A:LYS:H	17	0.4
(2,3860)	1:139:A:PHE:HB2	1:140:A:VAL:H	20	0.4
(2,3858)	1:173:A:ILE:HD11	1:173:A:ILE:H	9	0.4
(2,3858)	1:173:A:ILE:HD12	1:173:A:ILE:H	9	0.4
(2,3858)	1:173:A:ILE:HD13	1:173:A:ILE:H	9	0.4
(2,3858)	1:173:A:ILE:HD11	1:173:A:ILE:H	16	0.4
(2,3858)	1:173:A:ILE:HD12	1:173:A:ILE:H	16	0.4
(2,3858)	1:173:A:ILE:HD13	1:173:A:ILE:H	16	0.4
(2,3792)	1:155:A:GLU:HG3	1:156:A:ARG:H	9	0.4
(2,3697)	1:30:A:VAL:HG11	1:31:A:ALA:H	8	0.4
(2,3697)	1:30:A:VAL:HG12	1:31:A:ALA:H	8	0.4
(2,3697)	1:30:A:VAL:HG13	1:31:A:ALA:H	8	0.4
(2,3678)	1:52:A:LEU:HD11	1:52:A:LEU:H	14	0.4
(2,3678)	1:52:A:LEU:HD12	1:52:A:LEU:H	14	0.4
(2,3678)	1:52:A:LEU:HD13	1:52:A:LEU:H	14	0.4
(2,3613)	1:105:A:ILE:HG12	1:106:A:ARG:H	7	0.4
(2,3613)	1:105:A:ILE:HG12	1:106:A:ARG:H	11	0.4
(2,3613)	1:105:A:ILE:HG12	1:106:A:ARG:H	17	0.4
(2,3388)	1:112:A:ARG:HB3	1:78:A:PHE:HA	3	0.4
(2,3388)	1:112:A:ARG:HB3	1:78:A:PHE:HA	10	0.4
(2,3388)	1:112:A:ARG:HB3	1:78:A:PHE:HA	12	0.4
(2,3154)	1:102:A:LEU:HD11	1:132:A:GLY:HA2	6	0.4
(2,3154)	1:102:A:LEU:HD12	1:132:A:GLY:HA2	6	0.4
(2,3154)	1:102:A:LEU:HD13	1:132:A:GLY:HA2	6	0.4
(2,3058)	1:160:A:TRP:HD1	1:121:A:PRO:HD3	19	0.4
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG21	20	0.4
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG22	20	0.4
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG23	20	0.4
(2,2944)	1:110:A:GLU:HB2	1:111:A:PRO:HD2	18	0.4
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG3	17	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG2	17	0.4
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG21	5	0.4
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG22	5	0.4
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG23	5	0.4
(2,2664)	1:93:A:ASP:HB3	1:92:A:GLU:HA	18	0.4
(2,2566)	1:168:A:LEU:H	1:164:A:ILE:HG12	10	0.4
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD11	4	0.4
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD12	4	0.4
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD13	4	0.4
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD11	15	0.4
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD12	15	0.4
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD13	15	0.4
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD11	12	0.4
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD12	12	0.4
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD13	12	0.4
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD11	12	0.4
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD12	12	0.4
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD13	12	0.4
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD21	13	0.4
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD22	13	0.4
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD23	13	0.4
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD11	20	0.4
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD12	20	0.4
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD13	20	0.4
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD11	20	0.4
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD12	20	0.4
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD13	20	0.4
(2,2026)	1:43:A:ASP:HB3	1:44:A:LEU:HD11	7	0.4
(2,2026)	1:43:A:ASP:HB3	1:44:A:LEU:HD12	7	0.4
(2,2026)	1:43:A:ASP:HB3	1:44:A:LEU:HD13	7	0.4
(2,1973)	1:156:A:ARG:H	1:155:A:GLU:HG3	9	0.4
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD11	4	0.4
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD12	4	0.4
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD13	4	0.4
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD11	9	0.4
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD12	9	0.4
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD13	9	0.4
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB1	2	0.4
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB2	2	0.4
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB3	2	0.4
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG11	15	0.4
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG12	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG13	15	0.4
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG11	15	0.4
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG12	15	0.4
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG13	15	0.4
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG11	15	0.4
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG12	15	0.4
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG13	15	0.4
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG11	7	0.4
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG12	7	0.4
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG13	7	0.4
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG11	19	0.4
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG12	19	0.4
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG13	19	0.4
(2,1577)	1:25:A:GLN:HB3	1:22:A:ILE:HA	14	0.4
(2,1577)	1:25:A:GLN:HB3	1:22:A:ILE:HA	15	0.4
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG21	2	0.4
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG22	2	0.4
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG23	2	0.4
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG21	14	0.4
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG22	14	0.4
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG23	14	0.4
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG21	4	0.4
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG22	4	0.4
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG23	4	0.4
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG11	20	0.4
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG12	20	0.4
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG13	20	0.4
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG11	20	0.4
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG12	20	0.4
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG13	20	0.4
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG11	20	0.4
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG12	20	0.4
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG13	20	0.4
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD11	6	0.4
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD12	6	0.4
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD13	6	0.4
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD11	15	0.4
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD12	15	0.4
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD13	15	0.4
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD21	10	0.4
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD22	10	0.4
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD23	10	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD21	17	0.4
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD22	17	0.4
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD23	17	0.4
(2,791)	1:38:A:LYS:HA	1:38:A:LYS:HD3	17	0.4
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD11	9	0.4
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD12	9	0.4
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD13	9	0.4
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD11	9	0.4
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD12	9	0.4
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD13	9	0.4
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD11	11	0.4
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD12	11	0.4
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD13	11	0.4
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD11	11	0.4
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD12	11	0.4
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD13	11	0.4
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD11	2	0.4
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD12	2	0.4
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD13	2	0.4
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD11	2	0.4
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD12	2	0.4
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD13	2	0.4
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD11	17	0.4
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD12	17	0.4
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD13	17	0.4
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD11	17	0.4
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD12	17	0.4
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD13	17	0.4
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD11	20	0.4
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD12	20	0.4
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD13	20	0.4
(2,437)	1:134:A:ALA:H	1:140:A:VAL:HB	11	0.4
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD1	6	0.4
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD2	6	0.4
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD1	2	0.4
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD2	2	0.4
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD1	2	0.4
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD2	2	0.4
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD22	19	0.39
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD21	19	0.39
(3,491)	1:91:A:GLN:HG2	1:94:A:TYR:H	13	0.39
(3,276)	1:157:A:VAL:H	1:152:A:LEU:HB2	16	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5384)	1:171:A:ASP:HA	1:173:A:ILE:H	14	0.39
(2,5355)	1:142:A:LEU:HD11	1:120:A:TRP:HE1	6	0.39
(2,5355)	1:142:A:LEU:HD12	1:120:A:TRP:HE1	6	0.39
(2,5355)	1:142:A:LEU:HD13	1:120:A:TRP:HE1	6	0.39
(2,5342)	1:171:A:ASP:HB2	1:175:A:ASN:H	14	0.39
(2,5323)	1:172:A:GLU:HG2	1:171:A:ASP:H	2	0.39
(2,5323)	1:172:A:GLU:HG2	1:171:A:ASP:H	6	0.39
(2,5323)	1:172:A:GLU:HG2	1:171:A:ASP:H	7	0.39
(2,5245)	1:142:A:LEU:HD11	1:160:A:TRP:H	17	0.39
(2,5245)	1:142:A:LEU:HD12	1:160:A:TRP:H	17	0.39
(2,5245)	1:142:A:LEU:HD13	1:160:A:TRP:H	17	0.39
(2,5045)	1:95:A:ALA:HB1	1:127:A:PHE:H	20	0.39
(2,5045)	1:95:A:ALA:HB2	1:127:A:PHE:H	20	0.39
(2,5045)	1:95:A:ALA:HB3	1:127:A:PHE:H	20	0.39
(2,4942)	1:85:A:LEU:HD11	1:106:A:ARG:H	8	0.39
(2,4942)	1:85:A:LEU:HD12	1:106:A:ARG:H	8	0.39
(2,4942)	1:85:A:LEU:HD13	1:106:A:ARG:H	8	0.39
(2,4739)	1:66:A:TRP:HB3	1:70:A:PHE:H	16	0.39
(2,4593)	1:169:A:HIS:HB3	1:173:A:ILE:H	7	0.39
(2,4538)	1:38:A:LYS:HG2	1:35:A:ASP:H	10	0.39
(2,4481)	1:25:A:GLN:HA	1:25:A:GLN:HE22	4	0.39
(2,4366)	1:6:A:ILE:HG12	1:6:A:ILE:H	8	0.39
(2,4366)	1:6:A:ILE:HG12	1:6:A:ILE:H	13	0.39
(2,4255)	1:79:A:ASN:HD22	1:79:A:ASN:H	2	0.39
(2,4255)	1:79:A:ASN:HD22	1:79:A:ASN:H	19	0.39
(2,4113)	1:167:A:GLU:HA	1:169:A:HIS:H	10	0.39
(2,4101)	1:41:A:LYS:HG2	1:45:A:GLU:H	4	0.39
(2,4071)	1:112:A:ARG:HD2	1:112:A:ARG:H	6	0.39
(2,4060)	1:133:A:LEU:HD11	1:135:A:ASP:H	1	0.39
(2,4060)	1:133:A:LEU:HD12	1:135:A:ASP:H	1	0.39
(2,4060)	1:133:A:LEU:HD13	1:135:A:ASP:H	1	0.39
(2,3988)	1:170:A:LEU:HD11	1:170:A:LEU:H	10	0.39
(2,3988)	1:170:A:LEU:HD12	1:170:A:LEU:H	10	0.39
(2,3988)	1:170:A:LEU:HD13	1:170:A:LEU:H	10	0.39
(2,3858)	1:173:A:ILE:HD11	1:173:A:ILE:H	8	0.39
(2,3858)	1:173:A:ILE:HD12	1:173:A:ILE:H	8	0.39
(2,3858)	1:173:A:ILE:HD13	1:173:A:ILE:H	8	0.39
(2,3697)	1:30:A:VAL:HG11	1:31:A:ALA:H	14	0.39
(2,3697)	1:30:A:VAL:HG12	1:31:A:ALA:H	14	0.39
(2,3697)	1:30:A:VAL:HG13	1:31:A:ALA:H	14	0.39
(2,3684)	1:158:A:GLU:HA	1:162:A:LYS:H	11	0.39
(2,3613)	1:105:A:ILE:HG12	1:106:A:ARG:H	3	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3613)	1:105:A:ILE:HG12	1:106:A:ARG:H	13	0.39
(2,3490)	1:172:A:GLU:HB2	1:169:A:HIS:HB3	6	0.39
(2,3388)	1:112:A:ARG:HB3	1:78:A:PHE:HA	2	0.39
(2,3340)	1:169:A:HIS:HB3	1:172:A:GLU:HB2	6	0.39
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD11	18	0.39
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD12	18	0.39
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD13	18	0.39
(2,3059)	1:120:A:TRP:H	1:121:A:PRO:HD3	4	0.39
(2,2973)	1:150:A:PRO:HD3	1:144:A:ILE:HG21	14	0.39
(2,2973)	1:150:A:PRO:HD3	1:144:A:ILE:HG22	14	0.39
(2,2973)	1:150:A:PRO:HD3	1:144:A:ILE:HG23	14	0.39
(2,2953)	1:111:A:PRO:HD2	1:112:A:ARG:HA	10	0.39
(2,2944)	1:110:A:GLU:HB2	1:111:A:PRO:HD2	7	0.39
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG21	2	0.39
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG22	2	0.39
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG23	2	0.39
(2,2664)	1:93:A:ASP:HB3	1:92:A:GLU:HA	19	0.39
(2,2510)	1:113:A:GLY:HA2	1:79:A:ASN:HA	15	0.39
(2,2455)	1:72:A:THR:HA	1:75:A:GLU:HG2	12	0.39
(2,2431)	1:52:A:LEU:HD11	1:73:A:LEU:HB2	4	0.39
(2,2431)	1:52:A:LEU:HD12	1:73:A:LEU:HB2	4	0.39
(2,2431)	1:52:A:LEU:HD13	1:73:A:LEU:HB2	4	0.39
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD11	11	0.39
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD12	11	0.39
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD13	11	0.39
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD11	11	0.39
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD12	11	0.39
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD13	11	0.39
(2,1959)	1:75:A:GLU:HA	1:41:A:LYS:HE2	20	0.39
(2,1900)	1:35:A:ASP:H	1:38:A:LYS:HG2	10	0.39
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB1	2	0.39
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB2	2	0.39
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB3	2	0.39
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD11	8	0.39
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD12	8	0.39
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD13	8	0.39
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG21	20	0.39
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG22	20	0.39
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG23	20	0.39
(2,1698)	1:161:A:VAL:HA	1:26:A:LEU:HD11	8	0.39
(2,1698)	1:161:A:VAL:HA	1:26:A:LEU:HD12	8	0.39
(2,1698)	1:161:A:VAL:HA	1:26:A:LEU:HD13	8	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1649)	1:24:A:LYS:H	1:24:A:LYS:HD2	8	0.39
(2,1649)	1:24:A:LYS:H	1:24:A:LYS:HD2	15	0.39
(2,1647)	1:25:A:GLN:H	1:24:A:LYS:HD2	19	0.39
(2,1537)	1:75:A:GLU:H	1:41:A:LYS:HE3	18	0.39
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD11	1	0.39
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD12	1	0.39
(2,1478)	1:157:A:VAL:HG21	1:18:A:ILE:HD13	1	0.39
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD11	1	0.39
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD12	1	0.39
(2,1478)	1:157:A:VAL:HG22	1:18:A:ILE:HD13	1	0.39
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD11	1	0.39
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD12	1	0.39
(2,1478)	1:157:A:VAL:HG23	1:18:A:ILE:HD13	1	0.39
(2,1337)	1:50:A:LEU:HA	1:6:A:ILE:HA	5	0.39
(2,1337)	1:50:A:LEU:HA	1:6:A:ILE:HA	10	0.39
(2,1191)	1:133:A:LEU:HD21	1:136:A:ASP:HA	20	0.39
(2,1191)	1:133:A:LEU:HD22	1:136:A:ASP:HA	20	0.39
(2,1191)	1:133:A:LEU:HD23	1:136:A:ASP:HA	20	0.39
(2,1165)	1:24:A:LYS:HG2	1:21:A:MET:HA	9	0.39
(2,1130)	1:170:A:LEU:HD11	1:170:A:LEU:HA	11	0.39
(2,1130)	1:170:A:LEU:HD12	1:170:A:LEU:HA	11	0.39
(2,1130)	1:170:A:LEU:HD13	1:170:A:LEU:HA	11	0.39
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD21	20	0.39
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD22	20	0.39
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD23	20	0.39
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD21	20	0.39
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD22	20	0.39
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD23	20	0.39
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD21	20	0.39
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD22	20	0.39
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD23	20	0.39
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD11	7	0.39
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD12	7	0.39
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD13	7	0.39
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD11	7	0.39
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD12	7	0.39
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD13	7	0.39
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD11	7	0.39
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD12	7	0.39
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD13	7	0.39
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD11	9	0.39
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD12	9	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD13	9	0.39
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD11	9	0.39
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD12	9	0.39
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD13	9	0.39
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD11	9	0.39
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD12	9	0.39
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD13	9	0.39
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG21	1	0.39
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG22	1	0.39
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG23	1	0.39
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD11	8	0.39
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD12	8	0.39
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD13	8	0.39
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD11	8	0.39
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD12	8	0.39
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD13	8	0.39
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD11	8	0.39
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD12	8	0.39
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD13	8	0.39
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD11	1	0.39
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD12	1	0.39
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD13	1	0.39
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD11	8	0.39
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD12	8	0.39
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD13	8	0.39
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD11	17	0.39
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD12	17	0.39
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD13	17	0.39
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD11	20	0.39
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD12	20	0.39
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD13	20	0.39
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD21	19	0.39
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD22	19	0.39
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD23	19	0.39
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD11	1	0.39
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD12	1	0.39
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD13	1	0.39
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD11	14	0.39
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD12	14	0.39
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD13	14	0.39
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD11	15	0.39
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD12	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD13	15	0.39
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD11	18	0.39
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD12	18	0.39
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD13	18	0.39
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD11	20	0.39
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD12	20	0.39
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD13	20	0.39
(2,791)	1:38:A:LYS:HA	1:38:A:LYS:HD3	5	0.39
(2,783)	1:76:A:ILE:HA	1:41:A:LYS:HD2	6	0.39
(2,770)	1:111:A:PRO:HD3	1:111:A:PRO:HB2	3	0.39
(2,770)	1:111:A:PRO:HD3	1:111:A:PRO:HB2	4	0.39
(2,770)	1:111:A:PRO:HD3	1:111:A:PRO:HB2	8	0.39
(2,770)	1:111:A:PRO:HD3	1:111:A:PRO:HB2	17	0.39
(2,754)	1:158:A:GLU:HA	1:25:A:GLN:HG2	3	0.39
(2,731)	1:170:A:LEU:HA	1:173:A:ILE:HB	16	0.39
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG21	7	0.39
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG22	7	0.39
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG23	7	0.39
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG21	13	0.39
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG22	13	0.39
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG23	13	0.39
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD11	17	0.39
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD12	17	0.39
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD13	17	0.39
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD11	6	0.39
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD12	6	0.39
(2,617)	1:120:A:TRP:HE1	1:142:A:LEU:HD13	6	0.39
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD11	1	0.39
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD12	1	0.39
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD13	1	0.39
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG21	10	0.39
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG22	10	0.39
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG23	10	0.39
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD11	3	0.39
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD12	3	0.39
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD13	3	0.39
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD1	6	0.39
(2,180)	1:58:A:TYR:HD1	1:59:A:TYR:HD2	6	0.39
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD1	6	0.39
(2,180)	1:58:A:TYR:HD2	1:59:A:TYR:HD2	6	0.39
(3,685)	1:20:A:LYS:HG2	1:23:A:GLN:HE21	11	0.38
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD22	17	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD21	17	0.38
(3,658)	1:170:A:LEU:HB3	1:166:A:GLU:H	10	0.38
(3,658)	1:170:A:LEU:HB3	1:166:A:GLU:H	18	0.38
(3,488)	1:148:A:ARG:HD2	1:93:A:ASP:H	4	0.38
(3,378)	1:6:A:ILE:HG12	1:33:A:VAL:H	3	0.38
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD11	9	0.38
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD12	9	0.38
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD13	9	0.38
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD11	10	0.38
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD12	10	0.38
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD13	10	0.38
(3,205)	1:110:A:GLU:HG3	1:106:A:ARG:HD3	5	0.38
(2,5342)	1:171:A:ASP:HB2	1:175:A:ASN:H	7	0.38
(2,5334)	1:172:A:GLU:HB2	1:174:A:LEU:H	6	0.38
(2,5326)	1:170:A:LEU:HD11	1:171:A:ASP:H	5	0.38
(2,5326)	1:170:A:LEU:HD12	1:171:A:ASP:H	5	0.38
(2,5326)	1:170:A:LEU:HD13	1:171:A:ASP:H	5	0.38
(2,5326)	1:170:A:LEU:HD11	1:171:A:ASP:H	12	0.38
(2,5326)	1:170:A:LEU:HD12	1:171:A:ASP:H	12	0.38
(2,5326)	1:170:A:LEU:HD13	1:171:A:ASP:H	12	0.38
(2,5326)	1:170:A:LEU:HD11	1:171:A:ASP:H	14	0.38
(2,5326)	1:170:A:LEU:HD12	1:171:A:ASP:H	14	0.38
(2,5326)	1:170:A:LEU:HD13	1:171:A:ASP:H	14	0.38
(2,5284)	1:167:A:GLU:HB3	1:166:A:GLU:H	6	0.38
(2,5147)	1:146:A:GLU:HB3	1:145:A:ASP:H	18	0.38
(2,5078)	1:140:A:VAL:HB	1:134:A:ALA:H	1	0.38
(2,5075)	1:140:A:VAL:HB	1:134:A:ALA:H	1	0.38
(2,4898)	1:95:A:ALA:H	1:98:A:PHE:H	8	0.38
(2,4742)	1:73:A:LEU:HD11	1:70:A:PHE:H	16	0.38
(2,4742)	1:73:A:LEU:HD12	1:70:A:PHE:H	16	0.38
(2,4742)	1:73:A:LEU:HD13	1:70:A:PHE:H	16	0.38
(2,4705)	1:61:A:GLU:HG3	1:62:A:ALA:H	15	0.38
(2,4640)	1:50:A:LEU:HD11	1:49:A:ILE:H	19	0.38
(2,4640)	1:50:A:LEU:HD12	1:49:A:ILE:H	19	0.38
(2,4640)	1:50:A:LEU:HD13	1:49:A:ILE:H	19	0.38
(2,4620)	1:44:A:LEU:HD11	1:46:A:ALA:H	12	0.38
(2,4620)	1:44:A:LEU:HD12	1:46:A:ALA:H	12	0.38
(2,4620)	1:44:A:LEU:HD13	1:46:A:ALA:H	12	0.38
(2,4502)	1:28:A:LYS:HD2	1:29:A:ASP:H	1	0.38
(2,4502)	1:28:A:LYS:HD2	1:29:A:ASP:H	19	0.38
(2,4488)	1:158:A:GLU:HA	1:25:A:GLN:HE21	16	0.38
(2,4435)	1:20:A:LYS:HD2	1:19:A:ALA:H	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4435)	1:20:A:LYS:HD2	1:19:A:ALA:H	19	0.38
(2,4366)	1:6:A:ILE:HG12	1:6:A:ILE:H	16	0.38
(2,4255)	1:79:A:ASN:HD22	1:79:A:ASN:H	8	0.38
(2,4113)	1:167:A:GLU:HA	1:169:A:HIS:H	18	0.38
(2,4098)	1:45:A:GLU:HG2	1:45:A:GLU:H	15	0.38
(2,4091)	1:163:A:GLN:HG3	1:164:A:ILE:H	20	0.38
(2,4060)	1:133:A:LEU:HD11	1:135:A:ASP:H	10	0.38
(2,4060)	1:133:A:LEU:HD12	1:135:A:ASP:H	10	0.38
(2,4060)	1:133:A:LEU:HD13	1:135:A:ASP:H	10	0.38
(2,3988)	1:170:A:LEU:HD11	1:170:A:LEU:H	20	0.38
(2,3988)	1:170:A:LEU:HD12	1:170:A:LEU:H	20	0.38
(2,3988)	1:170:A:LEU:HD13	1:170:A:LEU:H	20	0.38
(2,3965)	1:111:A:PRO:HD2	1:108:A:ILE:H	3	0.38
(2,3921)	1:45:A:GLU:HB2	1:44:A:LEU:H	20	0.38
(2,3916)	1:105:A:ILE:HG12	1:105:A:ILE:H	9	0.38
(2,3902)	1:158:A:GLU:HB3	1:159:A:LYS:H	4	0.38
(2,3902)	1:158:A:GLU:HB3	1:159:A:LYS:H	6	0.38
(2,3902)	1:158:A:GLU:HB3	1:159:A:LYS:H	11	0.38
(2,3860)	1:139:A:PHE:HB2	1:140:A:VAL:H	14	0.38
(2,3858)	1:173:A:ILE:HD11	1:173:A:ILE:H	11	0.38
(2,3858)	1:173:A:ILE:HD12	1:173:A:ILE:H	11	0.38
(2,3858)	1:173:A:ILE:HD13	1:173:A:ILE:H	11	0.38
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	7	0.38
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	7	0.38
(2,3613)	1:105:A:ILE:HG12	1:106:A:ARG:H	8	0.38
(2,3613)	1:105:A:ILE:HG12	1:106:A:ARG:H	16	0.38
(2,3581)	1:51:A:LEU:HD11	1:84:A:ALA:H	16	0.38
(2,3581)	1:51:A:LEU:HD12	1:84:A:ALA:H	16	0.38
(2,3581)	1:51:A:LEU:HD13	1:84:A:ALA:H	16	0.38
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD21	1	0.38
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD22	1	0.38
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD23	1	0.38
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD21	1	0.38
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD22	1	0.38
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD23	1	0.38
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD21	1	0.38
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD22	1	0.38
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD23	1	0.38
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD21	2	0.38
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD22	2	0.38
(2,3508)	1:165:A:SER:HA	1:170:A:LEU:HD23	2	0.38
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD11	19	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD12	19	0.38
(2,3243)	1:156:A:ARG:HE	1:142:A:LEU:HD13	19	0.38
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD11	2	0.38
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD12	2	0.38
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD13	2	0.38
(2,3118)	1:92:A:GLU:HG2	1:148:A:ARG:HA	14	0.38
(2,3059)	1:120:A:TRP:H	1:121:A:PRO:HD3	17	0.38
(2,2983)	1:116:A:ILE:HD11	1:115:A:THR:HA	7	0.38
(2,2983)	1:116:A:ILE:HD12	1:115:A:THR:HA	7	0.38
(2,2983)	1:116:A:ILE:HD13	1:115:A:THR:HA	7	0.38
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD11	16	0.38
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD12	16	0.38
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD13	16	0.38
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG21	7	0.38
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG22	7	0.38
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG23	7	0.38
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD11	12	0.38
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD12	12	0.38
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD13	12	0.38
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD11	12	0.38
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD12	12	0.38
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD13	12	0.38
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD11	12	0.38
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD12	12	0.38
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD13	12	0.38
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD11	18	0.38
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD12	18	0.38
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD13	18	0.38
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD11	18	0.38
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD12	18	0.38
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD13	18	0.38
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD11	18	0.38
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD12	18	0.38
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD13	18	0.38
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD11	10	0.38
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD12	10	0.38
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD13	10	0.38
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB1	13	0.38
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB2	13	0.38
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB3	13	0.38
(2,2664)	1:93:A:ASP:HB3	1:92:A:GLU:HA	4	0.38
(2,2510)	1:113:A:GLY:HA2	1:79:A:ASN:HA	17	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2500)	1:81:A:LYS:HD3	1:78:A:PHE:HA	8	0.38
(2,2500)	1:81:A:LYS:HD3	1:78:A:PHE:HA	13	0.38
(2,2500)	1:81:A:LYS:HD3	1:78:A:PHE:HA	14	0.38
(2,2455)	1:72:A:THR:HA	1:75:A:GLU:HG2	9	0.38
(2,2454)	1:174:A:LEU:H	1:172:A:GLU:HB2	6	0.38
(2,2420)	1:41:A:LYS:HB2	1:72:A:THR:HG21	1	0.38
(2,2420)	1:41:A:LYS:HB2	1:72:A:THR:HG22	1	0.38
(2,2420)	1:41:A:LYS:HB2	1:72:A:THR:HG23	1	0.38
(2,2330)	1:37:A:ALA:HA	1:65:A:ASP:HB2	3	0.38
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD11	5	0.38
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD12	5	0.38
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD13	5	0.38
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD11	13	0.38
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD12	13	0.38
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD13	13	0.38
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD11	13	0.38
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD12	13	0.38
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD13	13	0.38
(2,2046)	1:77:A:ASP:HB3	1:45:A:GLU:HA	15	0.38
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD11	4	0.38
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD12	4	0.38
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD13	4	0.38
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD11	4	0.38
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD12	4	0.38
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD13	4	0.38
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD11	16	0.38
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD12	16	0.38
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD13	16	0.38
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD11	16	0.38
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD12	16	0.38
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD13	16	0.38
(2,1981)	1:41:A:LYS:HG2	1:45:A:GLU:HG2	16	0.38
(2,1884)	1:65:A:ASP:HB2	1:37:A:ALA:HA	3	0.38
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD11	7	0.38
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD12	7	0.38
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD13	7	0.38
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG11	14	0.38
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG12	14	0.38
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG13	14	0.38
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG11	14	0.38
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG12	14	0.38
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG13	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG11	14	0.38
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG12	14	0.38
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG13	14	0.38
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG11	14	0.38
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG12	14	0.38
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG13	14	0.38
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD11	16	0.38
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD12	16	0.38
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD13	16	0.38
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD11	16	0.38
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD12	16	0.38
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD13	16	0.38
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD11	16	0.38
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD12	16	0.38
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD13	16	0.38
(2,1659)	1:34:A:HIS:HB2	1:38:A:LYS:HE3	3	0.38
(2,1647)	1:25:A:GLN:H	1:24:A:LYS:HD2	1	0.38
(2,1647)	1:25:A:GLN:H	1:24:A:LYS:HD2	9	0.38
(2,1577)	1:25:A:GLN:HB3	1:22:A:ILE:HA	10	0.38
(2,1576)	1:25:A:GLN:HG2	1:22:A:ILE:HA	11	0.38
(2,1537)	1:75:A:GLU:H	1:41:A:LYS:HE3	10	0.38
(2,1526)	1:33:A:VAL:HB	1:20:A:LYS:HG3	10	0.38
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD11	13	0.38
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD12	13	0.38
(2,1524)	1:81:A:LYS:HB2	1:50:A:LEU:HD13	13	0.38
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD11	19	0.38
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD12	19	0.38
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD13	19	0.38
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD11	19	0.38
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD12	19	0.38
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD13	19	0.38
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG21	6	0.38
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG22	6	0.38
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG23	6	0.38
(2,1224)	1:38:A:LYS:HB2	1:38:A:LYS:HE2	14	0.38
(2,1130)	1:170:A:LEU:HD11	1:170:A:LEU:HA	7	0.38
(2,1130)	1:170:A:LEU:HD12	1:170:A:LEU:HA	7	0.38
(2,1130)	1:170:A:LEU:HD13	1:170:A:LEU:HA	7	0.38
(2,1130)	1:170:A:LEU:HD11	1:170:A:LEU:HA	9	0.38
(2,1130)	1:170:A:LEU:HD12	1:170:A:LEU:HA	9	0.38
(2,1130)	1:170:A:LEU:HD13	1:170:A:LEU:HA	9	0.38
(2,1130)	1:170:A:LEU:HD11	1:170:A:LEU:HA	15	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1130)	1:170:A:LEU:HD12	1:170:A:LEU:HA	15	0.38
(2,1130)	1:170:A:LEU:HD13	1:170:A:LEU:HA	15	0.38
(2,1130)	1:170:A:LEU:HD11	1:170:A:LEU:HA	16	0.38
(2,1130)	1:170:A:LEU:HD12	1:170:A:LEU:HA	16	0.38
(2,1130)	1:170:A:LEU:HD13	1:170:A:LEU:HA	16	0.38
(2,1130)	1:170:A:LEU:HD11	1:170:A:LEU:HA	18	0.38
(2,1130)	1:170:A:LEU:HD12	1:170:A:LEU:HA	18	0.38
(2,1130)	1:170:A:LEU:HD13	1:170:A:LEU:HA	18	0.38
(2,1130)	1:170:A:LEU:HD11	1:170:A:LEU:HA	19	0.38
(2,1130)	1:170:A:LEU:HD12	1:170:A:LEU:HA	19	0.38
(2,1130)	1:170:A:LEU:HD13	1:170:A:LEU:HA	19	0.38
(2,1073)	1:164:A:ILE:HD11	1:26:A:LEU:HD11	5	0.38
(2,1073)	1:164:A:ILE:HD11	1:26:A:LEU:HD12	5	0.38
(2,1073)	1:164:A:ILE:HD11	1:26:A:LEU:HD13	5	0.38
(2,1073)	1:164:A:ILE:HD12	1:26:A:LEU:HD11	5	0.38
(2,1073)	1:164:A:ILE:HD12	1:26:A:LEU:HD12	5	0.38
(2,1073)	1:164:A:ILE:HD12	1:26:A:LEU:HD13	5	0.38
(2,1073)	1:164:A:ILE:HD13	1:26:A:LEU:HD11	5	0.38
(2,1073)	1:164:A:ILE:HD13	1:26:A:LEU:HD12	5	0.38
(2,1073)	1:164:A:ILE:HD13	1:26:A:LEU:HD13	5	0.38
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG21	2	0.38
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG22	2	0.38
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG23	2	0.38
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB1	2	0.38
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB2	2	0.38
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB3	2	0.38
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD11	5	0.38
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD12	5	0.38
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD13	5	0.38
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD11	14	0.38
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD12	14	0.38
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD13	14	0.38
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD21	1	0.38
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD22	1	0.38
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD23	1	0.38
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD21	12	0.38
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD22	12	0.38
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD23	12	0.38
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD11	11	0.38
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD12	11	0.38
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD13	11	0.38
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD11	13	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD12	13	0.38
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD13	13	0.38
(2,791)	1:38:A:LYS:HA	1:38:A:LYS:HD3	12	0.38
(2,791)	1:38:A:LYS:HA	1:38:A:LYS:HD3	13	0.38
(2,791)	1:38:A:LYS:HA	1:38:A:LYS:HD3	16	0.38
(2,770)	1:111:A:PRO:HD3	1:111:A:PRO:HB2	6	0.38
(2,770)	1:111:A:PRO:HD3	1:111:A:PRO:HB2	9	0.38
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD11	10	0.38
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD12	10	0.38
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD13	10	0.38
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD11	8	0.38
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD12	8	0.38
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD13	8	0.38
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD11	8	0.38
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD12	8	0.38
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD13	8	0.38
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD11	3	0.38
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD12	3	0.38
(2,497)	1:70:A:PHE:HD1	1:73:A:LEU:HD13	3	0.38
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD11	3	0.38
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD12	3	0.38
(2,497)	1:70:A:PHE:HD2	1:73:A:LEU:HD13	3	0.38
(2,496)	1:49:A:ILE:H	1:50:A:LEU:HD11	19	0.38
(2,496)	1:49:A:ILE:H	1:50:A:LEU:HD12	19	0.38
(2,496)	1:49:A:ILE:H	1:50:A:LEU:HD13	19	0.38
(2,437)	1:134:A:ALA:H	1:140:A:VAL:HB	1	0.38
(3,688)	1:92:A:GLU:HB3	1:91:A:GLN:HE21	18	0.37
(3,685)	1:20:A:LYS:HG2	1:23:A:GLN:HE21	5	0.37
(3,658)	1:170:A:LEU:HB3	1:166:A:GLU:H	6	0.37
(3,648)	1:120:A:TRP:HH2	1:163:A:GLN:H	7	0.37
(3,522)	1:108:A:ILE:HG12	1:105:A:ILE:H	12	0.37
(3,59)	1:157:A:VAL:H	1:144:A:ILE:HD11	5	0.37
(3,59)	1:157:A:VAL:H	1:144:A:ILE:HD12	5	0.37
(3,59)	1:157:A:VAL:H	1:144:A:ILE:HD13	5	0.37
(2,5326)	1:170:A:LEU:HD11	1:171:A:ASP:H	19	0.37
(2,5326)	1:170:A:LEU:HD12	1:171:A:ASP:H	19	0.37
(2,5326)	1:170:A:LEU:HD13	1:171:A:ASP:H	19	0.37
(2,5284)	1:167:A:GLU:HB3	1:166:A:GLU:H	13	0.37
(2,5171)	1:145:A:ASP:HB3	1:149:A:GLN:H	1	0.37
(2,5171)	1:145:A:ASP:HB3	1:149:A:GLN:H	13	0.37
(2,4980)	1:74:A:GLU:HB2	1:112:A:ARG:HE	15	0.37
(2,4901)	1:128:A:GLU:HB2	1:98:A:PHE:H	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4768)	1:76:A:ILE:HG12	1:75:A:GLU:H	16	0.37
(2,4742)	1:73:A:LEU:HD11	1:70:A:PHE:H	10	0.37
(2,4742)	1:73:A:LEU:HD12	1:70:A:PHE:H	10	0.37
(2,4742)	1:73:A:LEU:HD13	1:70:A:PHE:H	10	0.37
(2,4593)	1:169:A:HIS:HB3	1:173:A:ILE:H	4	0.37
(2,4593)	1:169:A:HIS:HB3	1:173:A:ILE:H	17	0.37
(2,4593)	1:169:A:HIS:HB3	1:173:A:ILE:H	20	0.37
(2,4491)	1:161:A:VAL:HG21	1:26:A:LEU:H	3	0.37
(2,4491)	1:161:A:VAL:HG22	1:26:A:LEU:H	3	0.37
(2,4491)	1:161:A:VAL:HG23	1:26:A:LEU:H	3	0.37
(2,4486)	1:162:A:LYS:HG3	1:25:A:GLN:HE21	7	0.37
(2,4180)	1:102:A:LEU:HD11	1:87:A:GLY:H	19	0.37
(2,4180)	1:102:A:LEU:HD12	1:87:A:GLY:H	19	0.37
(2,4180)	1:102:A:LEU:HD13	1:87:A:GLY:H	19	0.37
(2,4124)	1:25:A:GLN:HA	1:25:A:GLN:HE21	7	0.37
(2,4124)	1:25:A:GLN:HA	1:25:A:GLN:HE21	20	0.37
(2,4060)	1:133:A:LEU:HD11	1:135:A:ASP:H	12	0.37
(2,4060)	1:133:A:LEU:HD12	1:135:A:ASP:H	12	0.37
(2,4060)	1:133:A:LEU:HD13	1:135:A:ASP:H	12	0.37
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD21	5	0.37
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD22	5	0.37
(2,3988)	1:170:A:LEU:HD11	1:170:A:LEU:H	9	0.37
(2,3988)	1:170:A:LEU:HD12	1:170:A:LEU:H	9	0.37
(2,3988)	1:170:A:LEU:HD13	1:170:A:LEU:H	9	0.37
(2,3916)	1:105:A:ILE:HG12	1:105:A:ILE:H	8	0.37
(2,3902)	1:158:A:GLU:HB3	1:159:A:LYS:H	13	0.37
(2,3858)	1:173:A:ILE:HD11	1:173:A:ILE:H	2	0.37
(2,3858)	1:173:A:ILE:HD12	1:173:A:ILE:H	2	0.37
(2,3858)	1:173:A:ILE:HD13	1:173:A:ILE:H	2	0.37
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	15	0.37
(2,3857)	1:173:A:ILE:HG12	1:173:A:ILE:H	15	0.37
(2,3759)	1:47:A:TYR:HB2	1:48:A:ASP:H	8	0.37
(2,3759)	1:47:A:TYR:HB2	1:48:A:ASP:H	17	0.37
(2,3756)	1:163:A:GLN:HG3	1:163:A:GLN:H	20	0.37
(2,3732)	1:165:A:SER:HB3	1:166:A:GLU:H	2	0.37
(2,3684)	1:158:A:GLU:HA	1:162:A:LYS:H	6	0.37
(2,3684)	1:158:A:GLU:HA	1:162:A:LYS:H	7	0.37
(2,3613)	1:105:A:ILE:HG12	1:106:A:ARG:H	18	0.37
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	12	0.37
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	12	0.37
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	12	0.37
(2,3518)	1:3:A:ILE:HD11	1:173:A:ILE:HG12	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3518)	1:3:A:ILE:HD12	1:173:A:ILE:HG12	12	0.37
(2,3518)	1:3:A:ILE:HD13	1:173:A:ILE:HG12	12	0.37
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD21	3	0.37
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD22	3	0.37
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD23	3	0.37
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD21	3	0.37
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD22	3	0.37
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD23	3	0.37
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD21	3	0.37
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD22	3	0.37
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD23	3	0.37
(2,3391)	1:159:A:LYS:HE2	1:158:A:GLU:HB2	17	0.37
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG11	14	0.37
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG12	14	0.37
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG13	14	0.37
(2,3257)	1:115:A:THR:HA	1:110:A:GLU:HG3	1	0.37
(2,3176)	1:140:A:VAL:HG11	1:134:A:ALA:HA	10	0.37
(2,3176)	1:140:A:VAL:HG12	1:134:A:ALA:HA	10	0.37
(2,3176)	1:140:A:VAL:HG13	1:134:A:ALA:HA	10	0.37
(2,2962)	1:109:A:ILE:HA	1:112:A:ARG:HD3	7	0.37
(2,2953)	1:111:A:PRO:HD2	1:112:A:ARG:HA	1	0.37
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD11	7	0.37
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD12	7	0.37
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD13	7	0.37
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD11	19	0.37
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD12	19	0.37
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD13	19	0.37
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD11	5	0.37
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD12	5	0.37
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD13	5	0.37
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG21	12	0.37
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG22	12	0.37
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG23	12	0.37
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG21	16	0.37
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG22	16	0.37
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG23	16	0.37
(2,2844)	1:116:A:ILE:HG12	1:106:A:ARG:HD2	15	0.37
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD11	5	0.37
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD12	5	0.37
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD13	5	0.37
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD11	5	0.37
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD12	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD13	5	0.37
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD11	5	0.37
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD12	5	0.37
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD13	5	0.37
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD11	14	0.37
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD12	14	0.37
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD13	14	0.37
(2,2566)	1:168:A:LEU:H	1:164:A:ILE:HG12	18	0.37
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD11	13	0.37
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD12	13	0.37
(2,2562)	1:168:A:LEU:HB3	1:82:A:LEU:HD13	13	0.37
(2,2560)	1:168:A:LEU:HD21	1:82:A:LEU:HD11	14	0.37
(2,2560)	1:168:A:LEU:HD21	1:82:A:LEU:HD12	14	0.37
(2,2560)	1:168:A:LEU:HD21	1:82:A:LEU:HD13	14	0.37
(2,2560)	1:168:A:LEU:HD22	1:82:A:LEU:HD11	14	0.37
(2,2560)	1:168:A:LEU:HD22	1:82:A:LEU:HD12	14	0.37
(2,2560)	1:168:A:LEU:HD22	1:82:A:LEU:HD13	14	0.37
(2,2560)	1:168:A:LEU:HD23	1:82:A:LEU:HD11	14	0.37
(2,2560)	1:168:A:LEU:HD23	1:82:A:LEU:HD12	14	0.37
(2,2560)	1:168:A:LEU:HD23	1:82:A:LEU:HD13	14	0.37
(2,2500)	1:81:A:LYS:HD3	1:78:A:PHE:HA	11	0.37
(2,2303)	1:54:A:ILE:HG12	1:62:A:ALA:HA	12	0.37
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD11	19	0.37
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD12	19	0.37
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD13	19	0.37
(2,2130)	1:120:A:TRP:HH2	1:159:A:LYS:HG2	5	0.37
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG21	19	0.37
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG22	19	0.37
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG23	19	0.37
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG21	19	0.37
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG22	19	0.37
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG23	19	0.37
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG21	19	0.37
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG22	19	0.37
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG23	19	0.37
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD21	2	0.37
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD22	2	0.37
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD23	2	0.37
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD21	2	0.37
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD22	2	0.37
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD23	2	0.37
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD21	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD22	2	0.37
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD23	2	0.37
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD11	8	0.37
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD12	8	0.37
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD13	8	0.37
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD11	9	0.37
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD12	9	0.37
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD13	9	0.37
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD11	10	0.37
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD12	10	0.37
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD13	10	0.37
(2,2009)	1:39:A:SER:HB3	1:43:A:ASP:HB2	19	0.37
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB1	3	0.37
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB2	3	0.37
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB3	3	0.37
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB1	13	0.37
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB2	13	0.37
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB3	13	0.37
(2,1688)	1:31:A:ALA:HB1	1:26:A:LEU:HG	16	0.37
(2,1688)	1:31:A:ALA:HB2	1:26:A:LEU:HG	16	0.37
(2,1688)	1:31:A:ALA:HB3	1:26:A:LEU:HG	16	0.37
(2,1649)	1:24:A:LYS:H	1:24:A:LYS:HD2	18	0.37
(2,1647)	1:25:A:GLN:H	1:24:A:LYS:HD2	8	0.37
(2,1647)	1:25:A:GLN:H	1:24:A:LYS:HD2	14	0.37
(2,1647)	1:25:A:GLN:H	1:24:A:LYS:HD2	18	0.37
(2,1634)	1:25:A:GLN:HE21	1:162:A:LYS:HG3	7	0.37
(2,1511)	1:24:A:LYS:HE2	1:24:A:LYS:HB2	4	0.37
(2,1511)	1:24:A:LYS:HE2	1:24:A:LYS:HB2	9	0.37
(2,1511)	1:24:A:LYS:HE2	1:24:A:LYS:HB2	15	0.37
(2,1511)	1:24:A:LYS:HE2	1:24:A:LYS:HB2	19	0.37
(2,1389)	1:16:A:GLU:HG3	1:8:A:PHE:HB2	4	0.37
(2,1353)	1:6:A:ILE:HD11	1:23:A:GLN:HB3	3	0.37
(2,1353)	1:6:A:ILE:HD12	1:23:A:GLN:HB3	3	0.37
(2,1353)	1:6:A:ILE:HD13	1:23:A:GLN:HB3	3	0.37
(2,1163)	1:162:A:LYS:HD2	1:159:A:LYS:HA	2	0.37
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD21	2	0.37
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD22	2	0.37
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD23	2	0.37
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD21	11	0.37
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD22	11	0.37
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD23	11	0.37
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD11	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD12	17	0.37
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD13	17	0.37
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD11	17	0.37
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD12	17	0.37
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD13	17	0.37
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD11	17	0.37
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD12	17	0.37
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD13	17	0.37
(2,971)	1:45:A:GLU:HG3	1:76:A:ILE:HG21	14	0.37
(2,971)	1:45:A:GLU:HG3	1:76:A:ILE:HG22	14	0.37
(2,971)	1:45:A:GLU:HG3	1:76:A:ILE:HG23	14	0.37
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD11	6	0.37
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD12	6	0.37
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD13	6	0.37
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD11	12	0.37
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD12	12	0.37
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD13	12	0.37
(2,804)	1:112:A:ARG:HA	1:112:A:ARG:HG3	15	0.37
(2,791)	1:38:A:LYS:HA	1:38:A:LYS:HD3	20	0.37
(2,783)	1:76:A:ILE:HA	1:41:A:LYS:HD2	7	0.37
(2,770)	1:111:A:PRO:HD3	1:111:A:PRO:HB2	2	0.37
(2,770)	1:111:A:PRO:HD3	1:111:A:PRO:HB2	5	0.37
(2,770)	1:111:A:PRO:HD3	1:111:A:PRO:HB2	19	0.37
(2,753)	1:128:A:GLU:HA	1:128:A:GLU:HG2	8	0.37
(2,753)	1:128:A:GLU:HA	1:128:A:GLU:HG2	13	0.37
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG11	16	0.37
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG12	16	0.37
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG13	16	0.37
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD11	1	0.37
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD12	1	0.37
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD13	1	0.37
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD11	1	0.37
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD12	1	0.37
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD13	1	0.37
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD11	12	0.37
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD12	12	0.37
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD13	12	0.37
(2,408)	1:17:A:ASN:HD21	1:17:A:ASN:HB2	5	0.37
(2,96)	1:159:A:LYS:HB2	1:120:A:TRP:HZ2	6	0.37
(2,84)	1:159:A:LYS:HG3	1:120:A:TRP:HH2	8	0.37
(3,685)	1:20:A:LYS:HG2	1:23:A:GLN:HE21	13	0.36
(3,658)	1:170:A:LEU:HB3	1:166:A:GLU:H	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,571)	1:133:A:LEU:HD11	1:127:A:PHE:H	2	0.36
(3,571)	1:133:A:LEU:HD12	1:127:A:PHE:H	2	0.36
(3,571)	1:133:A:LEU:HD13	1:127:A:PHE:H	2	0.36
(3,522)	1:108:A:ILE:HG12	1:105:A:ILE:H	6	0.36
(3,394)	1:44:A:LEU:HD11	1:42:A:GLU:H	14	0.36
(3,394)	1:44:A:LEU:HD12	1:42:A:GLU:H	14	0.36
(3,394)	1:44:A:LEU:HD13	1:42:A:GLU:H	14	0.36
(3,377)	1:20:A:LYS:HG2	1:33:A:VAL:H	1	0.36
(3,193)	1:54:A:ILE:HD11	1:102:A:LEU:HB3	16	0.36
(3,193)	1:54:A:ILE:HD12	1:102:A:LEU:HB3	16	0.36
(3,193)	1:54:A:ILE:HD13	1:102:A:LEU:HB3	16	0.36
(3,106)	1:45:A:GLU:H	1:39:A:SER:HB3	19	0.36
(3,74)	1:29:A:ASP:H	1:28:A:LYS:HE2	8	0.36
(2,5342)	1:171:A:ASP:HB2	1:175:A:ASN:H	8	0.36
(2,5324)	1:166:A:GLU:HB2	1:171:A:ASP:H	1	0.36
(2,5323)	1:172:A:GLU:HG2	1:171:A:ASP:H	18	0.36
(2,5045)	1:95:A:ALA:HB1	1:127:A:PHE:H	9	0.36
(2,5045)	1:95:A:ALA:HB2	1:127:A:PHE:H	9	0.36
(2,5045)	1:95:A:ALA:HB3	1:127:A:PHE:H	9	0.36
(2,4998)	1:116:A:ILE:HD11	1:115:A:THR:H	9	0.36
(2,4998)	1:116:A:ILE:HD12	1:115:A:THR:H	9	0.36
(2,4998)	1:116:A:ILE:HD13	1:115:A:THR:H	9	0.36
(2,4965)	1:73:A:LEU:HD11	1:109:A:ILE:H	5	0.36
(2,4965)	1:73:A:LEU:HD12	1:109:A:ILE:H	5	0.36
(2,4965)	1:73:A:LEU:HD13	1:109:A:ILE:H	5	0.36
(2,4593)	1:169:A:HIS:HB3	1:173:A:ILE:H	13	0.36
(2,4508)	1:28:A:LYS:HD2	1:30:A:VAL:H	18	0.36
(2,4487)	1:161:A:VAL:HB	1:25:A:GLN:HE21	14	0.36
(2,4487)	1:161:A:VAL:HB	1:25:A:GLN:HE21	19	0.36
(2,4477)	1:26:A:LEU:HD21	1:25:A:GLN:H	1	0.36
(2,4477)	1:26:A:LEU:HD22	1:25:A:GLN:H	1	0.36
(2,4477)	1:26:A:LEU:HD23	1:25:A:GLN:H	1	0.36
(2,4455)	1:22:A:ILE:HG12	1:22:A:ILE:H	9	0.36
(2,4424)	1:14:A:ASN:HA	1:17:A:ASN:HD21	12	0.36
(2,4366)	1:6:A:ILE:HG12	1:6:A:ILE:H	20	0.36
(2,4255)	1:79:A:ASN:HD22	1:79:A:ASN:H	20	0.36
(2,4091)	1:163:A:GLN:HG3	1:164:A:ILE:H	12	0.36
(2,4079)	1:85:A:LEU:HD11	1:86:A:PHE:H	15	0.36
(2,4079)	1:85:A:LEU:HD12	1:86:A:PHE:H	15	0.36
(2,4079)	1:85:A:LEU:HD13	1:86:A:PHE:H	15	0.36
(2,4060)	1:133:A:LEU:HD11	1:135:A:ASP:H	4	0.36
(2,4060)	1:133:A:LEU:HD12	1:135:A:ASP:H	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4060)	1:133:A:LEU:HD13	1:135:A:ASP:H	4	0.36
(2,4059)	1:133:A:LEU:HB2	1:135:A:ASP:H	14	0.36
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD21	11	0.36
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD22	11	0.36
(2,3902)	1:158:A:GLU:HB3	1:159:A:LYS:H	8	0.36
(2,3858)	1:173:A:ILE:HD11	1:173:A:ILE:H	3	0.36
(2,3858)	1:173:A:ILE:HD12	1:173:A:ILE:H	3	0.36
(2,3858)	1:173:A:ILE:HD13	1:173:A:ILE:H	3	0.36
(2,3858)	1:173:A:ILE:HD11	1:173:A:ILE:H	5	0.36
(2,3858)	1:173:A:ILE:HD12	1:173:A:ILE:H	5	0.36
(2,3858)	1:173:A:ILE:HD13	1:173:A:ILE:H	5	0.36
(2,3759)	1:47:A:TYR:HB2	1:48:A:ASP:H	1	0.36
(2,3759)	1:47:A:TYR:HB2	1:48:A:ASP:H	4	0.36
(2,3684)	1:158:A:GLU:HA	1:162:A:LYS:H	2	0.36
(2,3607)	1:77:A:ASP:HB2	1:77:A:ASP:H	13	0.36
(2,3551)	1:59:A:TYR:HE1	1:58:A:TYR:HB2	17	0.36
(2,3551)	1:59:A:TYR:HE2	1:58:A:TYR:HB2	17	0.36
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD21	6	0.36
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD22	6	0.36
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD23	6	0.36
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD21	14	0.36
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD22	14	0.36
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD23	14	0.36
(2,3471)	1:128:A:GLU:H	1:128:A:GLU:HG2	15	0.36
(2,3470)	1:163:A:GLN:HA	1:166:A:GLU:HG3	11	0.36
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD11	20	0.36
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD12	20	0.36
(2,3266)	1:21:A:MET:HG2	1:18:A:ILE:HD13	20	0.36
(2,3081)	1:92:A:GLU:HB2	1:148:A:ARG:HD3	11	0.36
(2,3059)	1:120:A:TRP:H	1:121:A:PRO:HD3	8	0.36
(2,3055)	1:160:A:TRP:HD1	1:121:A:PRO:HD2	7	0.36
(2,2953)	1:111:A:PRO:HD2	1:112:A:ARG:HA	6	0.36
(2,2953)	1:111:A:PRO:HD2	1:112:A:ARG:HA	18	0.36
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG21	18	0.36
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG22	18	0.36
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG23	18	0.36
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD11	13	0.36
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD12	13	0.36
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD13	13	0.36
(2,2905)	1:52:A:LEU:HB3	1:109:A:ILE:HD11	10	0.36
(2,2905)	1:52:A:LEU:HB3	1:109:A:ILE:HD12	10	0.36
(2,2905)	1:52:A:LEU:HB3	1:109:A:ILE:HD13	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2891)	1:112:A:ARG:HD2	1:109:A:ILE:HA	17	0.36
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG21	14	0.36
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG22	14	0.36
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG23	14	0.36
(2,2880)	1:112:A:ARG:HG3	1:108:A:ILE:HG21	1	0.36
(2,2880)	1:112:A:ARG:HG3	1:108:A:ILE:HG22	1	0.36
(2,2880)	1:112:A:ARG:HG3	1:108:A:ILE:HG23	1	0.36
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD21	7	0.36
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD22	7	0.36
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD23	7	0.36
(2,2664)	1:93:A:ASP:HB3	1:92:A:GLU:HA	15	0.36
(2,2569)	1:81:A:LYS:HA	1:82:A:LEU:HD21	3	0.36
(2,2569)	1:81:A:LYS:HA	1:82:A:LEU:HD22	3	0.36
(2,2569)	1:81:A:LYS:HA	1:82:A:LEU:HD23	3	0.36
(2,2566)	1:168:A:LEU:H	1:164:A:ILE:HG12	11	0.36
(2,2500)	1:81:A:LYS:HD3	1:78:A:PHE:HA	2	0.36
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG21	14	0.36
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG22	14	0.36
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG23	14	0.36
(2,2431)	1:52:A:LEU:HD11	1:73:A:LEU:HB2	3	0.36
(2,2431)	1:52:A:LEU:HD12	1:73:A:LEU:HB2	3	0.36
(2,2431)	1:52:A:LEU:HD13	1:73:A:LEU:HB2	3	0.36
(2,2365)	1:76:A:ILE:HA	1:75:A:GLU:HA	15	0.36
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD11	8	0.36
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD12	8	0.36
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD13	8	0.36
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD11	8	0.36
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD12	8	0.36
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD13	8	0.36
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD21	12	0.36
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD22	12	0.36
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD23	12	0.36
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG21	14	0.36
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG22	14	0.36
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG23	14	0.36
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG21	14	0.36
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG22	14	0.36
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG23	14	0.36
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG21	14	0.36
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG22	14	0.36
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG23	14	0.36
(2,2053)	1:97:A:TYR:HE1	1:96:A:GLU:HG2	3	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2053)	1:97:A:TYR:HE2	1:96:A:GLU:HG2	3	0.36
(2,2053)	1:97:A:TYR:HE1	1:96:A:GLU:HG2	14	0.36
(2,2053)	1:97:A:TYR:HE2	1:96:A:GLU:HG2	14	0.36
(2,1932)	1:82:A:LEU:HD21	1:81:A:LYS:HA	3	0.36
(2,1932)	1:82:A:LEU:HD22	1:81:A:LYS:HA	3	0.36
(2,1932)	1:82:A:LEU:HD23	1:81:A:LYS:HA	3	0.36
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG21	11	0.36
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG22	11	0.36
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG23	11	0.36
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG21	13	0.36
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG22	13	0.36
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG23	13	0.36
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG21	15	0.36
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG22	15	0.36
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG23	15	0.36
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB1	4	0.36
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB2	4	0.36
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB3	4	0.36
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG11	7	0.36
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG12	7	0.36
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG13	7	0.36
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG11	7	0.36
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG12	7	0.36
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG13	7	0.36
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG11	7	0.36
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG12	7	0.36
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG13	7	0.36
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG11	3	0.36
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG12	3	0.36
(2,1759)	1:174:A:LEU:HA	1:30:A:VAL:HG13	3	0.36
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD11	4	0.36
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD12	4	0.36
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD13	4	0.36
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD11	4	0.36
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD12	4	0.36
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD13	4	0.36
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD11	4	0.36
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD12	4	0.36
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD13	4	0.36
(2,1678)	1:174:A:LEU:HB3	1:26:A:LEU:HA	10	0.36
(2,1678)	1:174:A:LEU:HB3	1:26:A:LEU:HA	19	0.36
(2,1649)	1:24:A:LYS:H	1:24:A:LYS:HD2	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1649)	1:24:A:LYS:H	1:24:A:LYS:HD2	19	0.36
(2,1647)	1:25:A:GLN:H	1:24:A:LYS:HD2	3	0.36
(2,1647)	1:25:A:GLN:H	1:24:A:LYS:HD2	17	0.36
(2,1576)	1:25:A:GLN:HG2	1:22:A:ILE:HA	6	0.36
(2,1511)	1:24:A:LYS:HE2	1:24:A:LYS:HB2	1	0.36
(2,1511)	1:24:A:LYS:HE2	1:24:A:LYS:HB2	8	0.36
(2,1511)	1:24:A:LYS:HE2	1:24:A:LYS:HB2	17	0.36
(2,1511)	1:24:A:LYS:HE2	1:24:A:LYS:HB2	18	0.36
(2,1507)	1:20:A:LYS:HG3	1:20:A:LYS:HA	8	0.36
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG21	3	0.36
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG22	3	0.36
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG23	3	0.36
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD11	3	0.36
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD12	3	0.36
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD13	3	0.36
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD11	1	0.36
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD12	1	0.36
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD13	1	0.36
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD11	2	0.36
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD12	2	0.36
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD13	2	0.36
(2,1465)	1:18:A:ILE:HD11	1:17:A:ASN:HB2	1	0.36
(2,1465)	1:18:A:ILE:HD12	1:17:A:ASN:HB2	1	0.36
(2,1465)	1:18:A:ILE:HD13	1:17:A:ASN:HB2	1	0.36
(2,1465)	1:18:A:ILE:HD11	1:17:A:ASN:HB2	2	0.36
(2,1465)	1:18:A:ILE:HD12	1:17:A:ASN:HB2	2	0.36
(2,1465)	1:18:A:ILE:HD13	1:17:A:ASN:HB2	2	0.36
(2,1418)	1:17:A:ASN:HD21	1:14:A:ASN:HA	12	0.36
(2,1130)	1:170:A:LEU:HD11	1:170:A:LEU:HA	4	0.36
(2,1130)	1:170:A:LEU:HD12	1:170:A:LEU:HA	4	0.36
(2,1130)	1:170:A:LEU:HD13	1:170:A:LEU:HA	4	0.36
(2,1130)	1:170:A:LEU:HD11	1:170:A:LEU:HA	10	0.36
(2,1130)	1:170:A:LEU:HD12	1:170:A:LEU:HA	10	0.36
(2,1130)	1:170:A:LEU:HD13	1:170:A:LEU:HA	10	0.36
(2,1119)	1:117:A:VAL:HG11	1:164:A:ILE:HA	15	0.36
(2,1119)	1:117:A:VAL:HG12	1:164:A:ILE:HA	15	0.36
(2,1119)	1:117:A:VAL:HG13	1:164:A:ILE:HA	15	0.36
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD21	18	0.36
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD22	18	0.36
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD23	18	0.36
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD21	18	0.36
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD22	18	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD23	18	0.36
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD21	18	0.36
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD22	18	0.36
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD23	18	0.36
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD21	10	0.36
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD22	10	0.36
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD23	10	0.36
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG21	7	0.36
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG22	7	0.36
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG23	7	0.36
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB1	14	0.36
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB2	14	0.36
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB3	14	0.36
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG21	12	0.36
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG22	12	0.36
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG23	12	0.36
(2,1010)	1:86:A:PHE:HB2	1:142:A:LEU:HG	16	0.36
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD11	13	0.36
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD12	13	0.36
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD13	13	0.36
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG11	15	0.36
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG12	15	0.36
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG13	15	0.36
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD11	3	0.36
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD12	3	0.36
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD13	3	0.36
(2,850)	1:171:A:ASP:HA	1:174:A:LEU:HD21	5	0.36
(2,850)	1:171:A:ASP:HA	1:174:A:LEU:HD22	5	0.36
(2,850)	1:171:A:ASP:HA	1:174:A:LEU:HD23	5	0.36
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD11	18	0.36
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD12	18	0.36
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD13	18	0.36
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD11	4	0.36
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD12	4	0.36
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD13	4	0.36
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD11	17	0.36
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD12	17	0.36
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD13	17	0.36
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD11	19	0.36
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD12	19	0.36
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD13	19	0.36
(2,804)	1:112:A:ARG:HA	1:112:A:ARG:HG3	11	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,791)	1:38:A:LYS:HA	1:38:A:LYS:HD3	7	0.36
(2,770)	1:111:A:PRO:HD3	1:111:A:PRO:HB2	1	0.36
(2,770)	1:111:A:PRO:HD3	1:111:A:PRO:HB2	7	0.36
(2,770)	1:111:A:PRO:HD3	1:111:A:PRO:HB2	16	0.36
(2,770)	1:111:A:PRO:HD3	1:111:A:PRO:HB2	18	0.36
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG21	5	0.36
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG22	5	0.36
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG23	5	0.36
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG21	8	0.36
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG22	8	0.36
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG23	8	0.36
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG21	18	0.36
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG22	18	0.36
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG23	18	0.36
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD11	4	0.36
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD12	4	0.36
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD13	4	0.36
(2,456)	1:120:A:TRP:HH2	1:159:A:LYS:HD2	17	0.36
(2,453)	1:158:A:GLU:H	1:155:A:GLU:HB2	19	0.36
(2,425)	1:128:A:GLU:H	1:128:A:GLU:HG2	15	0.36
(2,417)	1:158:A:GLU:H	1:158:A:GLU:HG2	1	0.36
(2,417)	1:158:A:GLU:H	1:158:A:GLU:HG2	17	0.36
(2,408)	1:17:A:ASN:HD21	1:17:A:ASN:HB2	11	0.36
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD22	9	0.35
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD21	9	0.35
(3,658)	1:170:A:LEU:HB3	1:166:A:GLU:H	16	0.35
(3,648)	1:120:A:TRP:HH2	1:163:A:GLN:H	12	0.35
(3,648)	1:120:A:TRP:HH2	1:163:A:GLN:H	18	0.35
(3,575)	1:96:A:GLU:HB2	1:128:A:GLU:H	4	0.35
(3,522)	1:108:A:ILE:HG12	1:105:A:ILE:H	17	0.35
(3,453)	1:41:A:LYS:HD2	1:77:A:ASP:H	14	0.35
(3,377)	1:20:A:LYS:HG2	1:33:A:VAL:H	20	0.35
(3,157)	1:78:A:PHE:HD1	1:73:A:LEU:HB3	2	0.35
(3,157)	1:78:A:PHE:HD2	1:73:A:LEU:HB3	2	0.35
(3,58)	1:142:A:LEU:HG	1:144:A:ILE:HD11	9	0.35
(3,58)	1:142:A:LEU:HG	1:144:A:ILE:HD12	9	0.35
(3,58)	1:142:A:LEU:HG	1:144:A:ILE:HD13	9	0.35
(2,5367)	1:87:A:GLY:HA2	1:14:A:ASN:HD22	1	0.35
(2,5324)	1:166:A:GLU:HB2	1:171:A:ASP:H	4	0.35
(2,5324)	1:166:A:GLU:HB2	1:171:A:ASP:H	9	0.35
(2,5301)	1:164:A:ILE:HD11	1:168:A:LEU:H	7	0.35
(2,5301)	1:164:A:ILE:HD12	1:168:A:LEU:H	7	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5301)	1:164:A:ILE:HD13	1:168:A:LEU:H	7	0.35
(2,5197)	1:155:A:GLU:HG2	1:154:A:ALA:H	10	0.35
(2,5163)	1:148:A:ARG:HD3	1:148:A:ARG:H	11	0.35
(2,5078)	1:140:A:VAL:HB	1:134:A:ALA:H	7	0.35
(2,5077)	1:133:A:LEU:HD11	1:134:A:ALA:H	17	0.35
(2,5077)	1:133:A:LEU:HD12	1:134:A:ALA:H	17	0.35
(2,5077)	1:133:A:LEU:HD13	1:134:A:ALA:H	17	0.35
(2,5075)	1:140:A:VAL:HB	1:134:A:ALA:H	7	0.35
(2,5059)	1:131:A:LYS:HG3	1:130:A:SER:H	20	0.35
(2,4898)	1:95:A:ALA:H	1:98:A:PHE:H	2	0.35
(2,4898)	1:95:A:ALA:H	1:98:A:PHE:H	4	0.35
(2,4705)	1:61:A:GLU:HG3	1:62:A:ALA:H	18	0.35
(2,4593)	1:169:A:HIS:HB3	1:173:A:ILE:H	5	0.35
(2,4508)	1:28:A:LYS:HD2	1:30:A:VAL:H	11	0.35
(2,4424)	1:14:A:ASN:HA	1:17:A:ASN:HD21	4	0.35
(2,4393)	1:10:A:SER:HB3	1:12:A:THR:H	1	0.35
(2,4366)	1:6:A:ILE:HG12	1:6:A:ILE:H	2	0.35
(2,4366)	1:6:A:ILE:HG12	1:6:A:ILE:H	4	0.35
(2,4365)	1:32:A:ASP:HB2	1:6:A:ILE:H	9	0.35
(2,4359)	1:49:A:ILE:HG12	1:5:A:GLY:H	3	0.35
(2,4255)	1:79:A:ASN:HD22	1:79:A:ASN:H	16	0.35
(2,4180)	1:102:A:LEU:HD11	1:87:A:GLY:H	20	0.35
(2,4180)	1:102:A:LEU:HD12	1:87:A:GLY:H	20	0.35
(2,4180)	1:102:A:LEU:HD13	1:87:A:GLY:H	20	0.35
(2,4136)	1:158:A:GLU:HA	1:25:A:GLN:HE22	12	0.35
(2,4113)	1:167:A:GLU:HA	1:169:A:HIS:H	12	0.35
(2,4079)	1:85:A:LEU:HD11	1:86:A:PHE:H	10	0.35
(2,4079)	1:85:A:LEU:HD12	1:86:A:PHE:H	10	0.35
(2,4079)	1:85:A:LEU:HD13	1:86:A:PHE:H	10	0.35
(2,3988)	1:170:A:LEU:HD11	1:170:A:LEU:H	16	0.35
(2,3988)	1:170:A:LEU:HD12	1:170:A:LEU:H	16	0.35
(2,3988)	1:170:A:LEU:HD13	1:170:A:LEU:H	16	0.35
(2,3921)	1:45:A:GLU:HB2	1:44:A:LEU:H	4	0.35
(2,3921)	1:45:A:GLU:HB2	1:44:A:LEU:H	9	0.35
(2,3921)	1:45:A:GLU:HB2	1:44:A:LEU:H	19	0.35
(2,3903)	1:158:A:GLU:HG3	1:159:A:LYS:H	8	0.35
(2,3870)	1:81:A:LYS:HG3	1:81:A:LYS:H	15	0.35
(2,3860)	1:139:A:PHE:HB2	1:140:A:VAL:H	9	0.35
(2,3788)	1:164:A:ILE:HA	1:167:A:GLU:H	3	0.35
(2,3763)	1:32:A:ASP:HB2	1:32:A:ASP:H	8	0.35
(2,3763)	1:32:A:ASP:HB2	1:32:A:ASP:H	12	0.35
(2,3759)	1:47:A:TYR:HB2	1:48:A:ASP:H	19	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3697)	1:30:A:VAL:HG11	1:31:A:ALA:H	11	0.35
(2,3697)	1:30:A:VAL:HG12	1:31:A:ALA:H	11	0.35
(2,3697)	1:30:A:VAL:HG13	1:31:A:ALA:H	11	0.35
(2,3650)	1:85:A:LEU:HD11	1:85:A:LEU:H	3	0.35
(2,3650)	1:85:A:LEU:HD12	1:85:A:LEU:H	3	0.35
(2,3650)	1:85:A:LEU:HD13	1:85:A:LEU:H	3	0.35
(2,3613)	1:105:A:ILE:HG12	1:106:A:ARG:H	2	0.35
(2,3470)	1:163:A:GLN:HA	1:166:A:GLU:HG3	5	0.35
(2,3470)	1:163:A:GLN:HA	1:166:A:GLU:HG3	9	0.35
(2,3470)	1:163:A:GLN:HA	1:166:A:GLU:HG3	20	0.35
(2,3428)	1:155:A:GLU:HB2	1:159:A:LYS:HE2	2	0.35
(2,3412)	1:22:A:ILE:HA	1:161:A:VAL:HG11	6	0.35
(2,3412)	1:22:A:ILE:HA	1:161:A:VAL:HG12	6	0.35
(2,3412)	1:22:A:ILE:HA	1:161:A:VAL:HG13	6	0.35
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD11	8	0.35
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD12	8	0.35
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD13	8	0.35
(2,3059)	1:120:A:TRP:H	1:121:A:PRO:HD3	9	0.35
(2,2965)	1:111:A:PRO:HG2	1:112:A:ARG:HD3	2	0.35
(2,2953)	1:111:A:PRO:HD2	1:112:A:ARG:HA	17	0.35
(2,2944)	1:110:A:GLU:HB2	1:111:A:PRO:HD2	17	0.35
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD11	4	0.35
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD12	4	0.35
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD13	4	0.35
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD11	9	0.35
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD12	9	0.35
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD13	9	0.35
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD11	11	0.35
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD12	11	0.35
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD13	11	0.35
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG21	20	0.35
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG22	20	0.35
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG23	20	0.35
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD21	10	0.35
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD22	10	0.35
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD23	10	0.35
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD21	14	0.35
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD22	14	0.35
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD23	14	0.35
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB1	15	0.35
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB2	15	0.35
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB3	15	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB1	15	0.35
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB2	15	0.35
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB3	15	0.35
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB1	15	0.35
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB2	15	0.35
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB3	15	0.35
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD11	11	0.35
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD12	11	0.35
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD13	11	0.35
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD11	14	0.35
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD12	14	0.35
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD13	14	0.35
(2,2457)	1:162:A:LYS:HA	1:166:A:GLU:HG2	6	0.35
(2,2332)	1:156:A:ARG:HD2	1:156:A:ARG:HA	2	0.35
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD11	19	0.35
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD12	19	0.35
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD13	19	0.35
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD11	19	0.35
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD12	19	0.35
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD13	19	0.35
(2,1975)	1:159:A:LYS:H	1:158:A:GLU:HG3	8	0.35
(2,1826)	1:162:A:LYS:H	1:163:A:GLN:HG2	11	0.35
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG21	10	0.35
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG22	10	0.35
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG23	10	0.35
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG11	5	0.35
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG12	5	0.35
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG13	5	0.35
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG11	5	0.35
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG12	5	0.35
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG13	5	0.35
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG11	5	0.35
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG12	5	0.35
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG13	5	0.35
(2,1662)	1:66:A:TRP:HE3	1:69:A:PHE:HB2	5	0.35
(2,1662)	1:66:A:TRP:HE3	1:69:A:PHE:HB2	9	0.35
(2,1511)	1:24:A:LYS:HE2	1:24:A:LYS:HB2	3	0.35
(2,1511)	1:24:A:LYS:HE2	1:24:A:LYS:HB2	14	0.35
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD11	9	0.35
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD12	9	0.35
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD13	9	0.35
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD11	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD12	16	0.35
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD13	16	0.35
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD11	18	0.35
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD12	18	0.35
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD13	18	0.35
(2,1465)	1:18:A:ILE:HD11	1:17:A:ASN:HB2	9	0.35
(2,1465)	1:18:A:ILE:HD12	1:17:A:ASN:HB2	9	0.35
(2,1465)	1:18:A:ILE:HD13	1:17:A:ASN:HB2	9	0.35
(2,1465)	1:18:A:ILE:HD11	1:17:A:ASN:HB2	16	0.35
(2,1465)	1:18:A:ILE:HD12	1:17:A:ASN:HB2	16	0.35
(2,1465)	1:18:A:ILE:HD13	1:17:A:ASN:HB2	16	0.35
(2,1465)	1:18:A:ILE:HD11	1:17:A:ASN:HB2	18	0.35
(2,1465)	1:18:A:ILE:HD12	1:17:A:ASN:HB2	18	0.35
(2,1465)	1:18:A:ILE:HD13	1:17:A:ASN:HB2	18	0.35
(2,1418)	1:17:A:ASN:HD21	1:14:A:ASN:HA	4	0.35
(2,1315)	1:51:A:LEU:HD21	1:4:A:THR:HB	17	0.35
(2,1315)	1:51:A:LEU:HD22	1:4:A:THR:HB	17	0.35
(2,1315)	1:51:A:LEU:HD23	1:4:A:THR:HB	17	0.35
(2,1279)	1:168:A:LEU:HD11	1:170:A:LEU:HG	8	0.35
(2,1279)	1:168:A:LEU:HD12	1:170:A:LEU:HG	8	0.35
(2,1279)	1:168:A:LEU:HD13	1:170:A:LEU:HG	8	0.35
(2,1232)	1:158:A:GLU:HA	1:162:A:LYS:HE2	2	0.35
(2,1165)	1:24:A:LYS:HG2	1:21:A:MET:HA	4	0.35
(2,1133)	1:26:A:LEU:HD11	1:26:A:LEU:HA	1	0.35
(2,1133)	1:26:A:LEU:HD12	1:26:A:LEU:HA	1	0.35
(2,1133)	1:26:A:LEU:HD13	1:26:A:LEU:HA	1	0.35
(2,1130)	1:170:A:LEU:HD11	1:170:A:LEU:HA	17	0.35
(2,1130)	1:170:A:LEU:HD12	1:170:A:LEU:HA	17	0.35
(2,1130)	1:170:A:LEU:HD13	1:170:A:LEU:HA	17	0.35
(2,1130)	1:170:A:LEU:HD11	1:170:A:LEU:HA	20	0.35
(2,1130)	1:170:A:LEU:HD12	1:170:A:LEU:HA	20	0.35
(2,1130)	1:170:A:LEU:HD13	1:170:A:LEU:HA	20	0.35
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD21	10	0.35
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD22	10	0.35
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD23	10	0.35
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD21	10	0.35
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD22	10	0.35
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD23	10	0.35
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD21	10	0.35
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD22	10	0.35
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD23	10	0.35
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD21	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD22	14	0.35
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD23	14	0.35
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD11	11	0.35
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD12	11	0.35
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD13	11	0.35
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD11	11	0.35
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD12	11	0.35
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD13	11	0.35
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD11	11	0.35
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD12	11	0.35
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD13	11	0.35
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG21	13	0.35
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG22	13	0.35
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG23	13	0.35
(2,982)	1:157:A:VAL:HG11	1:142:A:LEU:HG	15	0.35
(2,982)	1:157:A:VAL:HG12	1:142:A:LEU:HG	15	0.35
(2,982)	1:157:A:VAL:HG13	1:142:A:LEU:HG	15	0.35
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD11	20	0.35
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD12	20	0.35
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD13	20	0.35
(2,858)	1:26:A:LEU:HA	1:26:A:LEU:HD11	1	0.35
(2,858)	1:26:A:LEU:HA	1:26:A:LEU:HD12	1	0.35
(2,858)	1:26:A:LEU:HA	1:26:A:LEU:HD13	1	0.35
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD21	17	0.35
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD22	17	0.35
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD23	17	0.35
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD11	5	0.35
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD12	5	0.35
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD13	5	0.35
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD11	16	0.35
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD12	16	0.35
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD13	16	0.35
(2,770)	1:111:A:PRO:HD3	1:111:A:PRO:HB2	11	0.35
(2,770)	1:111:A:PRO:HD3	1:111:A:PRO:HB2	13	0.35
(2,753)	1:128:A:GLU:HA	1:128:A:GLU:HG2	2	0.35
(2,746)	1:169:A:HIS:HB2	1:172:A:GLU:HG2	14	0.35
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG21	14	0.35
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG22	14	0.35
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG23	14	0.35
(2,570)	1:139:A:PHE:HE1	1:133:A:LEU:HD11	16	0.35
(2,570)	1:139:A:PHE:HE1	1:133:A:LEU:HD12	16	0.35
(2,570)	1:139:A:PHE:HE1	1:133:A:LEU:HD13	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,570)	1:139:A:PHE:HE2	1:133:A:LEU:HD11	16	0.35
(2,570)	1:139:A:PHE:HE2	1:133:A:LEU:HD12	16	0.35
(2,570)	1:139:A:PHE:HE2	1:133:A:LEU:HD13	16	0.35
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD11	8	0.35
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD12	8	0.35
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD13	8	0.35
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD11	8	0.35
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD12	8	0.35
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD13	8	0.35
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG21	17	0.35
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG22	17	0.35
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG23	17	0.35
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD11	19	0.35
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD12	19	0.35
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD13	19	0.35
(2,437)	1:134:A:ALA:H	1:140:A:VAL:HB	7	0.35
(2,417)	1:158:A:GLU:H	1:158:A:GLU:HG2	9	0.35
(3,685)	1:20:A:LYS:HG2	1:23:A:GLN:HE21	1	0.34
(3,685)	1:20:A:LYS:HG2	1:23:A:GLN:HE21	15	0.34
(3,685)	1:20:A:LYS:HG2	1:23:A:GLN:HE21	20	0.34
(3,658)	1:170:A:LEU:HB3	1:166:A:GLU:H	1	0.34
(3,658)	1:170:A:LEU:HB3	1:166:A:GLU:H	20	0.34
(3,540)	1:112:A:ARG:HG2	1:109:A:ILE:H	8	0.34
(3,534)	1:116:A:ILE:HG12	1:106:A:ARG:HE	7	0.34
(3,157)	1:78:A:PHE:HD1	1:73:A:LEU:HB3	20	0.34
(3,157)	1:78:A:PHE:HD2	1:73:A:LEU:HB3	20	0.34
(3,74)	1:29:A:ASP:H	1:28:A:LYS:HE2	9	0.34
(2,5384)	1:171:A:ASP:HA	1:173:A:ILE:H	15	0.34
(2,5370)	1:28:A:LYS:HG2	1:23:A:GLN:HE21	17	0.34
(2,5367)	1:87:A:GLY:HA2	1:14:A:ASN:HD22	20	0.34
(2,5326)	1:170:A:LEU:HD11	1:171:A:ASP:H	15	0.34
(2,5326)	1:170:A:LEU:HD12	1:171:A:ASP:H	15	0.34
(2,5326)	1:170:A:LEU:HD13	1:171:A:ASP:H	15	0.34
(2,5266)	1:118:A:GLY:HA3	1:164:A:ILE:H	18	0.34
(2,5245)	1:142:A:LEU:HD11	1:160:A:TRP:H	6	0.34
(2,5245)	1:142:A:LEU:HD12	1:160:A:TRP:H	6	0.34
(2,5245)	1:142:A:LEU:HD13	1:160:A:TRP:H	6	0.34
(2,5229)	1:145:A:ASP:H	1:156:A:ARG:HE	6	0.34
(2,5166)	1:149:A:GLN:HG3	1:148:A:ARG:H	8	0.34
(2,5124)	1:102:A:LEU:HD11	1:142:A:LEU:H	5	0.34
(2,5124)	1:102:A:LEU:HD12	1:142:A:LEU:H	5	0.34
(2,5124)	1:102:A:LEU:HD13	1:142:A:LEU:H	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5124)	1:102:A:LEU:HD11	1:142:A:LEU:H	7	0.34
(2,5124)	1:102:A:LEU:HD12	1:142:A:LEU:H	7	0.34
(2,5124)	1:102:A:LEU:HD13	1:142:A:LEU:H	7	0.34
(2,5078)	1:140:A:VAL:HB	1:134:A:ALA:H	18	0.34
(2,5075)	1:140:A:VAL:HB	1:134:A:ALA:H	18	0.34
(2,4998)	1:116:A:ILE:HD11	1:115:A:THR:H	5	0.34
(2,4998)	1:116:A:ILE:HD12	1:115:A:THR:H	5	0.34
(2,4998)	1:116:A:ILE:HD13	1:115:A:THR:H	5	0.34
(2,4980)	1:74:A:GLU:HB2	1:112:A:ARG:HE	9	0.34
(2,4742)	1:73:A:LEU:HD11	1:70:A:PHE:H	6	0.34
(2,4742)	1:73:A:LEU:HD12	1:70:A:PHE:H	6	0.34
(2,4742)	1:73:A:LEU:HD13	1:70:A:PHE:H	6	0.34
(2,4660)	1:83:A:VAL:HG11	1:52:A:LEU:H	10	0.34
(2,4660)	1:83:A:VAL:HG12	1:52:A:LEU:H	10	0.34
(2,4660)	1:83:A:VAL:HG13	1:52:A:LEU:H	10	0.34
(2,4593)	1:169:A:HIS:HB3	1:173:A:ILE:H	1	0.34
(2,4593)	1:169:A:HIS:HB3	1:173:A:ILE:H	10	0.34
(2,4488)	1:158:A:GLU:HA	1:25:A:GLN:HE21	19	0.34
(2,4481)	1:25:A:GLN:HA	1:25:A:GLN:HE22	11	0.34
(2,4255)	1:79:A:ASN:HD22	1:79:A:ASN:H	14	0.34
(2,4180)	1:102:A:LEU:HD11	1:87:A:GLY:H	5	0.34
(2,4180)	1:102:A:LEU:HD12	1:87:A:GLY:H	5	0.34
(2,4180)	1:102:A:LEU:HD13	1:87:A:GLY:H	5	0.34
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD21	10	0.34
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD22	10	0.34
(2,3997)	1:30:A:VAL:HG11	1:3:A:ILE:H	11	0.34
(2,3997)	1:30:A:VAL:HG12	1:3:A:ILE:H	11	0.34
(2,3997)	1:30:A:VAL:HG13	1:3:A:ILE:H	11	0.34
(2,3988)	1:170:A:LEU:HD11	1:170:A:LEU:H	19	0.34
(2,3988)	1:170:A:LEU:HD12	1:170:A:LEU:H	19	0.34
(2,3988)	1:170:A:LEU:HD13	1:170:A:LEU:H	19	0.34
(2,3916)	1:105:A:ILE:HG12	1:105:A:ILE:H	6	0.34
(2,3801)	1:27:A:GLY:HA3	1:30:A:VAL:H	3	0.34
(2,3763)	1:32:A:ASP:HB2	1:32:A:ASP:H	1	0.34
(2,3763)	1:32:A:ASP:HB2	1:32:A:ASP:H	2	0.34
(2,3763)	1:32:A:ASP:HB2	1:32:A:ASP:H	5	0.34
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	1	0.34
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	1	0.34
(2,3429)	1:155:A:GLU:HG2	1:159:A:LYS:HE2	7	0.34
(2,3257)	1:115:A:THR:HA	1:110:A:GLU:HG3	15	0.34
(2,3212)	1:106:A:ARG:HG2	1:140:A:VAL:HG11	15	0.34
(2,3212)	1:106:A:ARG:HG2	1:140:A:VAL:HG12	15	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3212)	1:106:A:ARG:HG2	1:140:A:VAL:HG13	15	0.34
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD11	20	0.34
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD12	20	0.34
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD13	20	0.34
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD11	20	0.34
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD12	20	0.34
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD13	20	0.34
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD11	20	0.34
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD12	20	0.34
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD13	20	0.34
(2,3119)	1:149:A:GLN:HG3	1:148:A:ARG:HA	10	0.34
(2,3118)	1:92:A:GLU:HG2	1:148:A:ARG:HA	13	0.34
(2,3095)	1:125:A:TYR:HD1	1:126:A:HIS:HB3	14	0.34
(2,3095)	1:125:A:TYR:HD2	1:126:A:HIS:HB3	14	0.34
(2,3095)	1:125:A:TYR:HD1	1:126:A:HIS:HB3	18	0.34
(2,3095)	1:125:A:TYR:HD2	1:126:A:HIS:HB3	18	0.34
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG21	20	0.34
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG22	20	0.34
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG23	20	0.34
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG21	20	0.34
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG22	20	0.34
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG23	20	0.34
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG21	20	0.34
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG22	20	0.34
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG23	20	0.34
(2,3059)	1:120:A:TRP:H	1:121:A:PRO:HD3	3	0.34
(2,3058)	1:160:A:TRP:HD1	1:121:A:PRO:HD3	4	0.34
(2,2985)	1:163:A:GLN:HG2	1:160:A:TRP:HA	14	0.34
(2,2965)	1:111:A:PRO:HG2	1:112:A:ARG:HD3	14	0.34
(2,2965)	1:111:A:PRO:HG2	1:112:A:ARG:HD3	16	0.34
(2,2962)	1:109:A:ILE:HA	1:112:A:ARG:HD3	18	0.34
(2,2953)	1:111:A:PRO:HD2	1:112:A:ARG:HA	5	0.34
(2,2944)	1:110:A:GLU:HB2	1:111:A:PRO:HD2	4	0.34
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD11	12	0.34
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD12	12	0.34
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD13	12	0.34
(2,2894)	1:73:A:LEU:HD11	1:109:A:ILE:HA	14	0.34
(2,2894)	1:73:A:LEU:HD12	1:109:A:ILE:HA	14	0.34
(2,2894)	1:73:A:LEU:HD13	1:109:A:ILE:HA	14	0.34
(2,2664)	1:93:A:ASP:HB3	1:92:A:GLU:HA	16	0.34
(2,2500)	1:81:A:LYS:HD3	1:78:A:PHE:HA	17	0.34
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD11	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD12	2	0.34
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD13	2	0.34
(2,2455)	1:72:A:THR:HA	1:75:A:GLU:HG2	1	0.34
(2,2332)	1:156:A:ARG:HD2	1:156:A:ARG:HA	3	0.34
(2,2298)	1:41:A:LYS:HE3	1:75:A:GLU:HG3	3	0.34
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD11	2	0.34
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD12	2	0.34
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD13	2	0.34
(2,2184)	1:48:A:ASP:HA	1:81:A:LYS:HD2	6	0.34
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG21	1	0.34
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG22	1	0.34
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG23	1	0.34
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG21	1	0.34
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG22	1	0.34
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG23	1	0.34
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG21	1	0.34
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG22	1	0.34
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG23	1	0.34
(2,2040)	1:73:A:LEU:HB2	1:44:A:LEU:HD21	5	0.34
(2,2040)	1:73:A:LEU:HB2	1:44:A:LEU:HD22	5	0.34
(2,2040)	1:73:A:LEU:HB2	1:44:A:LEU:HD23	5	0.34
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD11	17	0.34
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD12	17	0.34
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD13	17	0.34
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD11	17	0.34
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD12	17	0.34
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD13	17	0.34
(2,1895)	1:38:A:LYS:HG2	1:38:A:LYS:HA	12	0.34
(2,1895)	1:38:A:LYS:HG2	1:38:A:LYS:HA	13	0.34
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG21	5	0.34
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG22	5	0.34
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG23	5	0.34
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG21	2	0.34
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG22	2	0.34
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG23	2	0.34
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG21	5	0.34
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG22	5	0.34
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG23	5	0.34
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG21	13	0.34
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG22	13	0.34
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG23	13	0.34
(2,1772)	1:157:A:VAL:H	1:153:A:THR:HG21	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1772)	1:157:A:VAL:H	1:153:A:THR:HG22	7	0.34
(2,1772)	1:157:A:VAL:H	1:153:A:THR:HG23	7	0.34
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG11	16	0.34
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG12	16	0.34
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG13	16	0.34
(2,1688)	1:31:A:ALA:HB1	1:26:A:LEU:HG	20	0.34
(2,1688)	1:31:A:ALA:HB2	1:26:A:LEU:HG	20	0.34
(2,1688)	1:31:A:ALA:HB3	1:26:A:LEU:HG	20	0.34
(2,1649)	1:24:A:LYS:H	1:24:A:LYS:HD2	4	0.34
(2,1649)	1:24:A:LYS:H	1:24:A:LYS:HD2	9	0.34
(2,1647)	1:25:A:GLN:H	1:24:A:LYS:HD2	15	0.34
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG11	1	0.34
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG12	1	0.34
(2,1615)	1:164:A:ILE:HB	1:117:A:VAL:HG13	1	0.34
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG11	15	0.34
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG12	15	0.34
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG13	15	0.34
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG21	18	0.34
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG22	18	0.34
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG23	18	0.34
(2,1133)	1:26:A:LEU:HD11	1:26:A:LEU:HA	17	0.34
(2,1133)	1:26:A:LEU:HD12	1:26:A:LEU:HA	17	0.34
(2,1133)	1:26:A:LEU:HD13	1:26:A:LEU:HA	17	0.34
(2,1130)	1:170:A:LEU:HD11	1:170:A:LEU:HA	1	0.34
(2,1130)	1:170:A:LEU:HD12	1:170:A:LEU:HA	1	0.34
(2,1130)	1:170:A:LEU:HD13	1:170:A:LEU:HA	1	0.34
(2,1130)	1:170:A:LEU:HD11	1:170:A:LEU:HA	13	0.34
(2,1130)	1:170:A:LEU:HD12	1:170:A:LEU:HA	13	0.34
(2,1130)	1:170:A:LEU:HD13	1:170:A:LEU:HA	13	0.34
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG11	14	0.34
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG12	14	0.34
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG13	14	0.34
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG11	14	0.34
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG12	14	0.34
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG13	14	0.34
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG11	14	0.34
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG12	14	0.34
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG13	14	0.34
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG11	12	0.34
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG12	12	0.34
(2,1019)	1:25:A:GLN:HG2	1:161:A:VAL:HG13	12	0.34
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD11	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD12	13	0.34
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD13	13	0.34
(2,858)	1:26:A:LEU:HA	1:26:A:LEU:HD11	17	0.34
(2,858)	1:26:A:LEU:HA	1:26:A:LEU:HD12	17	0.34
(2,858)	1:26:A:LEU:HA	1:26:A:LEU:HD13	17	0.34
(2,834)	1:38:A:LYS:HA	1:38:A:LYS:HG2	12	0.34
(2,834)	1:38:A:LYS:HA	1:38:A:LYS:HG2	13	0.34
(2,791)	1:38:A:LYS:HA	1:38:A:LYS:HD3	19	0.34
(2,780)	1:173:A:ILE:HA	1:172:A:GLU:HB2	2	0.34
(2,780)	1:173:A:ILE:HA	1:172:A:GLU:HB2	3	0.34
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD11	6	0.34
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD12	6	0.34
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD13	6	0.34
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD11	18	0.34
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD12	18	0.34
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD13	18	0.34
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD11	18	0.34
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD12	18	0.34
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD13	18	0.34
(2,472)	1:173:A:ILE:H	1:173:A:ILE:HG12	19	0.34
(2,437)	1:134:A:ALA:H	1:140:A:VAL:HB	18	0.34
(2,408)	1:17:A:ASN:HD21	1:17:A:ASN:HB2	10	0.34
(3,667)	1:172:A:GLU:HG2	1:169:A:HIS:H	1	0.33
(3,571)	1:133:A:LEU:HD11	1:127:A:PHE:H	8	0.33
(3,571)	1:133:A:LEU:HD12	1:127:A:PHE:H	8	0.33
(3,571)	1:133:A:LEU:HD13	1:127:A:PHE:H	8	0.33
(3,571)	1:133:A:LEU:HD11	1:127:A:PHE:H	11	0.33
(3,571)	1:133:A:LEU:HD12	1:127:A:PHE:H	11	0.33
(3,571)	1:133:A:LEU:HD13	1:127:A:PHE:H	11	0.33
(3,569)	1:91:A:GLN:HG2	1:126:A:HIS:H	4	0.33
(3,378)	1:6:A:ILE:HG12	1:33:A:VAL:H	15	0.33
(3,378)	1:6:A:ILE:HG12	1:33:A:VAL:H	18	0.33
(3,377)	1:20:A:LYS:HG2	1:33:A:VAL:H	18	0.33
(3,43)	1:50:A:LEU:HD11	1:5:A:GLY:HA2	8	0.33
(3,43)	1:50:A:LEU:HD12	1:5:A:GLY:HA2	8	0.33
(3,43)	1:50:A:LEU:HD13	1:5:A:GLY:HA2	8	0.33
(3,31)	1:97:A:TYR:HE1	1:94:A:TYR:HD1	15	0.33
(3,31)	1:97:A:TYR:HE2	1:94:A:TYR:HD1	15	0.33
(2,5384)	1:171:A:ASP:HA	1:173:A:ILE:H	12	0.33
(2,5371)	1:28:A:LYS:HD2	1:23:A:GLN:HE21	20	0.33
(2,5324)	1:166:A:GLU:HB2	1:171:A:ASP:H	8	0.33
(2,5284)	1:167:A:GLU:HB3	1:166:A:GLU:H	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5245)	1:142:A:LEU:HD11	1:160:A:TRP:H	13	0.33
(2,5245)	1:142:A:LEU:HD12	1:160:A:TRP:H	13	0.33
(2,5245)	1:142:A:LEU:HD13	1:160:A:TRP:H	13	0.33
(2,5245)	1:142:A:LEU:HD11	1:160:A:TRP:H	19	0.33
(2,5245)	1:142:A:LEU:HD12	1:160:A:TRP:H	19	0.33
(2,5245)	1:142:A:LEU:HD13	1:160:A:TRP:H	19	0.33
(2,5072)	1:130:A:SER:HB2	1:133:A:LEU:H	16	0.33
(2,4998)	1:116:A:ILE:HD11	1:115:A:THR:H	15	0.33
(2,4998)	1:116:A:ILE:HD12	1:115:A:THR:H	15	0.33
(2,4998)	1:116:A:ILE:HD13	1:115:A:THR:H	15	0.33
(2,4879)	1:91:A:GLN:HG2	1:95:A:ALA:H	1	0.33
(2,4879)	1:91:A:GLN:HG2	1:95:A:ALA:H	16	0.33
(2,4784)	1:113:A:GLY:HA2	1:78:A:PHE:H	6	0.33
(2,4752)	1:74:A:GLU:HG3	1:73:A:LEU:H	16	0.33
(2,4719)	1:9:A:GLY:HA3	1:66:A:TRP:H	16	0.33
(2,4698)	1:101:A:ALA:H	1:61:A:GLU:H	16	0.33
(2,4660)	1:83:A:VAL:HG11	1:52:A:LEU:H	2	0.33
(2,4660)	1:83:A:VAL:HG12	1:52:A:LEU:H	2	0.33
(2,4660)	1:83:A:VAL:HG13	1:52:A:LEU:H	2	0.33
(2,4660)	1:83:A:VAL:HG11	1:52:A:LEU:H	5	0.33
(2,4660)	1:83:A:VAL:HG12	1:52:A:LEU:H	5	0.33
(2,4660)	1:83:A:VAL:HG13	1:52:A:LEU:H	5	0.33
(2,4640)	1:50:A:LEU:HD11	1:49:A:ILE:H	8	0.33
(2,4640)	1:50:A:LEU:HD12	1:49:A:ILE:H	8	0.33
(2,4640)	1:50:A:LEU:HD13	1:49:A:ILE:H	8	0.33
(2,4634)	1:50:A:LEU:HD11	1:48:A:ASP:H	1	0.33
(2,4634)	1:50:A:LEU:HD12	1:48:A:ASP:H	1	0.33
(2,4634)	1:50:A:LEU:HD13	1:48:A:ASP:H	1	0.33
(2,4613)	1:44:A:LEU:HD11	1:45:A:GLU:H	12	0.33
(2,4613)	1:44:A:LEU:HD12	1:45:A:GLU:H	12	0.33
(2,4613)	1:44:A:LEU:HD13	1:45:A:GLU:H	12	0.33
(2,4593)	1:169:A:HIS:HB3	1:173:A:ILE:H	16	0.33
(2,4491)	1:161:A:VAL:HG21	1:26:A:LEU:H	6	0.33
(2,4491)	1:161:A:VAL:HG22	1:26:A:LEU:H	6	0.33
(2,4491)	1:161:A:VAL:HG23	1:26:A:LEU:H	6	0.33
(2,4435)	1:20:A:LYS:HD2	1:19:A:ALA:H	4	0.33
(2,4435)	1:20:A:LYS:HD2	1:19:A:ALA:H	7	0.33
(2,4255)	1:79:A:ASN:HD22	1:79:A:ASN:H	6	0.33
(2,4255)	1:79:A:ASN:HD22	1:79:A:ASN:H	9	0.33
(2,4124)	1:25:A:GLN:HA	1:25:A:GLN:HE21	16	0.33
(2,4124)	1:25:A:GLN:HA	1:25:A:GLN:HE21	19	0.33
(2,4117)	1:10:A:SER:HB3	1:13:A:GLY:H	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4113)	1:167:A:GLU:HA	1:169:A:HIS:H	20	0.33
(2,4091)	1:163:A:GLN:HG3	1:164:A:ILE:H	15	0.33
(2,4025)	1:42:A:GLU:HG3	1:42:A:GLU:H	9	0.33
(2,4015)	1:28:A:LYS:HB2	1:29:A:ASP:H	6	0.33
(2,3988)	1:170:A:LEU:HD11	1:170:A:LEU:H	7	0.33
(2,3988)	1:170:A:LEU:HD12	1:170:A:LEU:H	7	0.33
(2,3988)	1:170:A:LEU:HD13	1:170:A:LEU:H	7	0.33
(2,3988)	1:170:A:LEU:HD11	1:170:A:LEU:H	15	0.33
(2,3988)	1:170:A:LEU:HD12	1:170:A:LEU:H	15	0.33
(2,3988)	1:170:A:LEU:HD13	1:170:A:LEU:H	15	0.33
(2,3860)	1:139:A:PHE:HB2	1:140:A:VAL:H	6	0.33
(2,3806)	1:67:A:ASP:HB2	1:63:A:GLN:H	3	0.33
(2,3801)	1:27:A:GLY:HA3	1:30:A:VAL:H	6	0.33
(2,3801)	1:27:A:GLY:HA3	1:30:A:VAL:H	12	0.33
(2,3801)	1:27:A:GLY:HA3	1:30:A:VAL:H	15	0.33
(2,3792)	1:155:A:GLU:HG3	1:156:A:ARG:H	12	0.33
(2,3788)	1:164:A:ILE:HA	1:167:A:GLU:H	12	0.33
(2,3763)	1:32:A:ASP:HB2	1:32:A:ASP:H	6	0.33
(2,3763)	1:32:A:ASP:HB2	1:32:A:ASP:H	7	0.33
(2,3763)	1:32:A:ASP:HB2	1:32:A:ASP:H	9	0.33
(2,3759)	1:47:A:TYR:HB2	1:48:A:ASP:H	5	0.33
(2,3759)	1:47:A:TYR:HB2	1:48:A:ASP:H	15	0.33
(2,3712)	1:82:A:LEU:HD21	1:117:A:VAL:H	1	0.33
(2,3712)	1:82:A:LEU:HD22	1:117:A:VAL:H	1	0.33
(2,3712)	1:82:A:LEU:HD23	1:117:A:VAL:H	1	0.33
(2,3613)	1:105:A:ILE:HG12	1:106:A:ARG:H	1	0.33
(2,3613)	1:105:A:ILE:HG12	1:106:A:ARG:H	5	0.33
(2,3470)	1:163:A:GLN:HA	1:166:A:GLU:HG3	19	0.33
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG11	18	0.33
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG12	18	0.33
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG13	18	0.33
(2,3357)	1:142:A:LEU:HD11	1:160:A:TRP:HB2	16	0.33
(2,3357)	1:142:A:LEU:HD12	1:160:A:TRP:HB2	16	0.33
(2,3357)	1:142:A:LEU:HD13	1:160:A:TRP:HB2	16	0.33
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD11	13	0.33
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD12	13	0.33
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD13	13	0.33
(2,3212)	1:106:A:ARG:HG2	1:140:A:VAL:HG11	18	0.33
(2,3212)	1:106:A:ARG:HG2	1:140:A:VAL:HG12	18	0.33
(2,3212)	1:106:A:ARG:HG2	1:140:A:VAL:HG13	18	0.33
(2,3176)	1:140:A:VAL:HG11	1:134:A:ALA:HA	1	0.33
(2,3176)	1:140:A:VAL:HG12	1:134:A:ALA:HA	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3176)	1:140:A:VAL:HG13	1:134:A:ALA:HA	1	0.33
(2,3176)	1:140:A:VAL:HG11	1:134:A:ALA:HA	15	0.33
(2,3176)	1:140:A:VAL:HG12	1:134:A:ALA:HA	15	0.33
(2,3176)	1:140:A:VAL:HG13	1:134:A:ALA:HA	15	0.33
(2,3059)	1:120:A:TRP:H	1:121:A:PRO:HD3	2	0.33
(2,3059)	1:120:A:TRP:H	1:121:A:PRO:HD3	11	0.33
(2,3059)	1:120:A:TRP:H	1:121:A:PRO:HD3	16	0.33
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG21	10	0.33
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG22	10	0.33
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG23	10	0.33
(2,2953)	1:111:A:PRO:HD2	1:112:A:ARG:HA	7	0.33
(2,2894)	1:73:A:LEU:HD11	1:109:A:ILE:HA	7	0.33
(2,2894)	1:73:A:LEU:HD12	1:109:A:ILE:HA	7	0.33
(2,2894)	1:73:A:LEU:HD13	1:109:A:ILE:HA	7	0.33
(2,2880)	1:112:A:ARG:HG3	1:108:A:ILE:HG21	17	0.33
(2,2880)	1:112:A:ARG:HG3	1:108:A:ILE:HG22	17	0.33
(2,2880)	1:112:A:ARG:HG3	1:108:A:ILE:HG23	17	0.33
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD11	8	0.33
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD12	8	0.33
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD13	8	0.33
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD11	8	0.33
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD12	8	0.33
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD13	8	0.33
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD11	8	0.33
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD12	8	0.33
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD13	8	0.33
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD21	1	0.33
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD22	1	0.33
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD23	1	0.33
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD21	2	0.33
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD22	2	0.33
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD23	2	0.33
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD21	12	0.33
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD22	12	0.33
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD23	12	0.33
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD21	13	0.33
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD22	13	0.33
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD23	13	0.33
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD21	16	0.33
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD22	16	0.33
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD23	16	0.33
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD21	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD22	20	0.33
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD23	20	0.33
(2,2716)	1:91:A:GLN:HA	1:98:A:PHE:HA	10	0.33
(2,2547)	1:168:A:LEU:HD11	1:82:A:LEU:HB2	14	0.33
(2,2547)	1:168:A:LEU:HD12	1:82:A:LEU:HB2	14	0.33
(2,2547)	1:168:A:LEU:HD13	1:82:A:LEU:HB2	14	0.33
(2,2500)	1:81:A:LYS:HD3	1:78:A:PHE:HA	5	0.33
(2,2500)	1:81:A:LYS:HD3	1:78:A:PHE:HA	7	0.33
(2,2500)	1:81:A:LYS:HD3	1:78:A:PHE:HA	20	0.33
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG21	6	0.33
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG22	6	0.33
(2,2495)	1:41:A:LYS:HE3	1:76:A:ILE:HG23	6	0.33
(2,2479)	1:30:A:VAL:HG11	1:173:A:ILE:HB	9	0.33
(2,2479)	1:30:A:VAL:HG12	1:173:A:ILE:HB	9	0.33
(2,2479)	1:30:A:VAL:HG13	1:173:A:ILE:HB	9	0.33
(2,2365)	1:76:A:ILE:HA	1:75:A:GLU:HA	6	0.33
(2,2365)	1:76:A:ILE:HA	1:75:A:GLU:HA	11	0.33
(2,2340)	1:142:A:LEU:HD11	1:156:A:ARG:HA	13	0.33
(2,2340)	1:142:A:LEU:HD12	1:156:A:ARG:HA	13	0.33
(2,2340)	1:142:A:LEU:HD13	1:156:A:ARG:HA	13	0.33
(2,2332)	1:156:A:ARG:HD2	1:156:A:ARG:HA	11	0.33
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD11	2	0.33
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD12	2	0.33
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD13	2	0.33
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD11	2	0.33
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD12	2	0.33
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD13	2	0.33
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD11	10	0.33
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD12	10	0.33
(2,2188)	1:161:A:VAL:HG21	1:51:A:LEU:HD13	10	0.33
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD11	10	0.33
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD12	10	0.33
(2,2188)	1:161:A:VAL:HG22	1:51:A:LEU:HD13	10	0.33
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD11	10	0.33
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD12	10	0.33
(2,2188)	1:161:A:VAL:HG23	1:51:A:LEU:HD13	10	0.33
(2,2182)	1:6:A:ILE:HG12	1:51:A:LEU:HG	19	0.33
(2,2130)	1:120:A:TRP:HH2	1:159:A:LYS:HG2	16	0.33
(2,2053)	1:97:A:TYR:HE1	1:96:A:GLU:HG2	17	0.33
(2,2053)	1:97:A:TYR:HE2	1:96:A:GLU:HG2	17	0.33
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD11	10	0.33
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD12	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD13	10	0.33
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD11	3	0.33
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD12	3	0.33
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD13	3	0.33
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD11	3	0.33
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD12	3	0.33
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD13	3	0.33
(2,2030)	1:45:A:GLU:H	1:44:A:LEU:HD11	12	0.33
(2,2030)	1:45:A:GLU:H	1:44:A:LEU:HD12	12	0.33
(2,2030)	1:45:A:GLU:H	1:44:A:LEU:HD13	12	0.33
(2,1973)	1:156:A:ARG:H	1:155:A:GLU:HG3	12	0.33
(2,1971)	1:42:A:GLU:H	1:42:A:GLU:HG3	9	0.33
(2,1959)	1:75:A:GLU:HA	1:41:A:LYS:HE2	12	0.33
(2,1958)	1:17:A:ASN:HA	1:20:A:LYS:HE3	10	0.33
(2,1895)	1:38:A:LYS:HG2	1:38:A:LYS:HA	5	0.33
(2,1895)	1:38:A:LYS:HG2	1:38:A:LYS:HA	7	0.33
(2,1895)	1:38:A:LYS:HG2	1:38:A:LYS:HA	17	0.33
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG21	7	0.33
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG22	7	0.33
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG23	7	0.33
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG21	17	0.33
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG22	17	0.33
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG23	17	0.33
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB3	13	0.33
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB2	13	0.33
(2,1719)	1:29:A:ASP:H	1:28:A:LYS:HB2	6	0.33
(2,1688)	1:31:A:ALA:HB1	1:26:A:LEU:HG	10	0.33
(2,1688)	1:31:A:ALA:HB2	1:26:A:LEU:HG	10	0.33
(2,1688)	1:31:A:ALA:HB3	1:26:A:LEU:HG	10	0.33
(2,1647)	1:25:A:GLN:H	1:24:A:LYS:HD2	5	0.33
(2,1647)	1:25:A:GLN:H	1:24:A:LYS:HD2	12	0.33
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG11	16	0.33
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG12	16	0.33
(2,1606)	1:168:A:LEU:HG	1:117:A:VAL:HG13	16	0.33
(2,1577)	1:25:A:GLN:HB3	1:22:A:ILE:HA	20	0.33
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD11	1	0.33
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD12	1	0.33
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD13	1	0.33
(2,1519)	1:7:A:PHE:HD1	1:50:A:LEU:HD11	14	0.33
(2,1519)	1:7:A:PHE:HD1	1:50:A:LEU:HD12	14	0.33
(2,1519)	1:7:A:PHE:HD1	1:50:A:LEU:HD13	14	0.33
(2,1519)	1:7:A:PHE:HD2	1:50:A:LEU:HD11	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1519)	1:7:A:PHE:HD2	1:50:A:LEU:HD12	14	0.33
(2,1519)	1:7:A:PHE:HD2	1:50:A:LEU:HD13	14	0.33
(2,1511)	1:24:A:LYS:HE2	1:24:A:LYS:HB2	2	0.33
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG21	12	0.33
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG22	12	0.33
(2,1488)	1:22:A:ILE:HG12	1:18:A:ILE:HG23	12	0.33
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG21	7	0.33
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG22	7	0.33
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG23	7	0.33
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG21	6	0.33
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG22	6	0.33
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG23	6	0.33
(2,1353)	1:6:A:ILE:HD11	1:23:A:GLN:HB3	16	0.33
(2,1353)	1:6:A:ILE:HD12	1:23:A:GLN:HB3	16	0.33
(2,1353)	1:6:A:ILE:HD13	1:23:A:GLN:HB3	16	0.33
(2,1321)	1:49:A:ILE:HG12	1:4:A:THR:HG21	19	0.33
(2,1321)	1:49:A:ILE:HG12	1:4:A:THR:HG22	19	0.33
(2,1321)	1:49:A:ILE:HG12	1:4:A:THR:HG23	19	0.33
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG11	9	0.33
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG12	9	0.33
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG13	9	0.33
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD21	17	0.33
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD22	17	0.33
(2,1240)	1:85:A:LEU:HB2	1:102:A:LEU:HD23	17	0.33
(2,1133)	1:26:A:LEU:HD11	1:26:A:LEU:HA	13	0.33
(2,1133)	1:26:A:LEU:HD12	1:26:A:LEU:HA	13	0.33
(2,1133)	1:26:A:LEU:HD13	1:26:A:LEU:HA	13	0.33
(2,1130)	1:170:A:LEU:HD11	1:170:A:LEU:HA	14	0.33
(2,1130)	1:170:A:LEU:HD12	1:170:A:LEU:HA	14	0.33
(2,1130)	1:170:A:LEU:HD13	1:170:A:LEU:HA	14	0.33
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD11	16	0.33
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD12	16	0.33
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD13	16	0.33
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD11	1	0.33
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD12	1	0.33
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD13	1	0.33
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD11	1	0.33
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD12	1	0.33
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD13	1	0.33
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD11	1	0.33
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD12	1	0.33
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD13	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD11	6	0.33
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD12	6	0.33
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD13	6	0.33
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD11	6	0.33
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD12	6	0.33
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD13	6	0.33
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD11	6	0.33
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD12	6	0.33
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD13	6	0.33
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD11	17	0.33
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD12	17	0.33
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD13	17	0.33
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD11	17	0.33
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD12	17	0.33
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD13	17	0.33
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD11	17	0.33
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD12	17	0.33
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD13	17	0.33
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD11	20	0.33
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD12	20	0.33
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD13	20	0.33
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD11	20	0.33
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD12	20	0.33
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD13	20	0.33
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD11	20	0.33
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD12	20	0.33
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD13	20	0.33
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD11	14	0.33
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD12	14	0.33
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD13	14	0.33
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD11	14	0.33
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD12	14	0.33
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD13	14	0.33
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD11	14	0.33
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD12	14	0.33
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD13	14	0.33
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD11	2	0.33
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD12	2	0.33
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD13	2	0.33
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD11	16	0.33
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD12	16	0.33
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD13	16	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD11	18	0.33
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD12	18	0.33
(2,865)	1:133:A:LEU:HA	1:133:A:LEU:HD13	18	0.33
(2,858)	1:26:A:LEU:HA	1:26:A:LEU:HD11	13	0.33
(2,858)	1:26:A:LEU:HA	1:26:A:LEU:HD12	13	0.33
(2,858)	1:26:A:LEU:HA	1:26:A:LEU:HD13	13	0.33
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD11	7	0.33
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD12	7	0.33
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD13	7	0.33
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD11	16	0.33
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD12	16	0.33
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD13	16	0.33
(2,834)	1:38:A:LYS:HA	1:38:A:LYS:HG2	5	0.33
(2,834)	1:38:A:LYS:HA	1:38:A:LYS:HG2	7	0.33
(2,834)	1:38:A:LYS:HA	1:38:A:LYS:HG2	17	0.33
(2,770)	1:111:A:PRO:HD3	1:111:A:PRO:HB2	10	0.33
(2,741)	1:74:A:GLU:HA	1:74:A:GLU:HG2	2	0.33
(2,741)	1:74:A:GLU:HA	1:74:A:GLU:HG2	5	0.33
(2,741)	1:74:A:GLU:HA	1:74:A:GLU:HG2	12	0.33
(2,741)	1:74:A:GLU:HA	1:74:A:GLU:HG2	17	0.33
(2,741)	1:74:A:GLU:HA	1:74:A:GLU:HG2	18	0.33
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD11	19	0.33
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD12	19	0.33
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD13	19	0.33
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD11	19	0.33
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD12	19	0.33
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD13	19	0.33
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD11	13	0.33
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD12	13	0.33
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD13	13	0.33
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD11	19	0.33
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD12	19	0.33
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD13	19	0.33
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG11	19	0.33
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG12	19	0.33
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG13	19	0.33
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD11	4	0.33
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD12	4	0.33
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD13	4	0.33
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD11	4	0.33
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD12	4	0.33
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD13	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD11	13	0.33
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD12	13	0.33
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD13	13	0.33
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD11	13	0.33
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD12	13	0.33
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD13	13	0.33
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD21	9	0.33
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD22	9	0.33
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD23	9	0.33
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD21	9	0.33
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD22	9	0.33
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD23	9	0.33
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD11	6	0.33
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD12	6	0.33
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD13	6	0.33
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD11	6	0.33
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD12	6	0.33
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD13	6	0.33
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD11	18	0.33
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD12	18	0.33
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD13	18	0.33
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD11	18	0.33
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD12	18	0.33
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD13	18	0.33
(2,496)	1:49:A:ILE:H	1:50:A:LEU:HD11	8	0.33
(2,496)	1:49:A:ILE:H	1:50:A:LEU:HD12	8	0.33
(2,496)	1:49:A:ILE:H	1:50:A:LEU:HD13	8	0.33
(2,417)	1:158:A:GLU:H	1:158:A:GLU:HG2	13	0.33
(2,417)	1:158:A:GLU:H	1:158:A:GLU:HG2	18	0.33
(3,685)	1:20:A:LYS:HG2	1:23:A:GLN:HE21	6	0.32
(3,658)	1:170:A:LEU:HB3	1:166:A:GLU:H	4	0.32
(3,648)	1:120:A:TRP:HH2	1:163:A:GLN:H	9	0.32
(3,522)	1:108:A:ILE:HG12	1:105:A:ILE:H	14	0.32
(3,378)	1:6:A:ILE:HG12	1:33:A:VAL:H	7	0.32
(3,205)	1:110:A:GLU:HG3	1:106:A:ARG:HD3	16	0.32
(3,106)	1:45:A:GLU:H	1:39:A:SER:HB3	14	0.32
(2,5384)	1:171:A:ASP:HA	1:173:A:ILE:H	7	0.32
(2,5334)	1:172:A:GLU:HB2	1:174:A:LEU:H	2	0.32
(2,5301)	1:164:A:ILE:HD11	1:168:A:LEU:H	3	0.32
(2,5301)	1:164:A:ILE:HD12	1:168:A:LEU:H	3	0.32
(2,5301)	1:164:A:ILE:HD13	1:168:A:LEU:H	3	0.32
(2,5065)	1:131:A:LYS:HB2	1:132:A:GLY:H	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5052)	1:96:A:GLU:HG2	1:129:A:ALA:H	7	0.32
(2,4980)	1:74:A:GLU:HB2	1:112:A:ARG:HE	10	0.32
(2,4898)	1:95:A:ALA:H	1:98:A:PHE:H	6	0.32
(2,4660)	1:83:A:VAL:HG11	1:52:A:LEU:H	13	0.32
(2,4660)	1:83:A:VAL:HG12	1:52:A:LEU:H	13	0.32
(2,4660)	1:83:A:VAL:HG13	1:52:A:LEU:H	13	0.32
(2,4640)	1:50:A:LEU:HD11	1:49:A:ILE:H	16	0.32
(2,4640)	1:50:A:LEU:HD12	1:49:A:ILE:H	16	0.32
(2,4640)	1:50:A:LEU:HD13	1:49:A:ILE:H	16	0.32
(2,4593)	1:169:A:HIS:HB3	1:173:A:ILE:H	11	0.32
(2,4488)	1:158:A:GLU:HA	1:25:A:GLN:HE21	2	0.32
(2,4463)	1:21:A:MET:HA	1:23:A:GLN:H	15	0.32
(2,4463)	1:21:A:MET:HA	1:23:A:GLN:H	17	0.32
(2,4463)	1:21:A:MET:HA	1:23:A:GLN:H	20	0.32
(2,4455)	1:22:A:ILE:HG12	1:22:A:ILE:H	2	0.32
(2,4148)	1:15:A:THR:HG21	1:53:A:GLY:H	16	0.32
(2,4148)	1:15:A:THR:HG22	1:53:A:GLY:H	16	0.32
(2,4148)	1:15:A:THR:HG23	1:53:A:GLY:H	16	0.32
(2,4060)	1:133:A:LEU:HD11	1:135:A:ASP:H	17	0.32
(2,4060)	1:133:A:LEU:HD12	1:135:A:ASP:H	17	0.32
(2,4060)	1:133:A:LEU:HD13	1:135:A:ASP:H	17	0.32
(2,4059)	1:133:A:LEU:HB2	1:135:A:ASP:H	10	0.32
(2,3916)	1:105:A:ILE:HG12	1:105:A:ILE:H	14	0.32
(2,3858)	1:173:A:ILE:HD11	1:173:A:ILE:H	7	0.32
(2,3858)	1:173:A:ILE:HD12	1:173:A:ILE:H	7	0.32
(2,3858)	1:173:A:ILE:HD13	1:173:A:ILE:H	7	0.32
(2,3828)	1:151:A:GLU:HG2	1:152:A:LEU:H	15	0.32
(2,3801)	1:27:A:GLY:HA3	1:30:A:VAL:H	19	0.32
(2,3788)	1:164:A:ILE:HA	1:167:A:GLU:H	7	0.32
(2,3788)	1:164:A:ILE:HA	1:167:A:GLU:H	18	0.32
(2,3697)	1:30:A:VAL:HG11	1:31:A:ALA:H	15	0.32
(2,3697)	1:30:A:VAL:HG12	1:31:A:ALA:H	15	0.32
(2,3697)	1:30:A:VAL:HG13	1:31:A:ALA:H	15	0.32
(2,3684)	1:158:A:GLU:HA	1:162:A:LYS:H	10	0.32
(2,3613)	1:105:A:ILE:HG12	1:106:A:ARG:H	10	0.32
(2,3613)	1:105:A:ILE:HG12	1:106:A:ARG:H	12	0.32
(2,3463)	1:170:A:LEU:HD11	1:165:A:SER:HB2	11	0.32
(2,3463)	1:170:A:LEU:HD12	1:165:A:SER:HB2	11	0.32
(2,3463)	1:170:A:LEU:HD13	1:165:A:SER:HB2	11	0.32
(2,3412)	1:22:A:ILE:HA	1:161:A:VAL:HG11	3	0.32
(2,3412)	1:22:A:ILE:HA	1:161:A:VAL:HG12	3	0.32
(2,3412)	1:22:A:ILE:HA	1:161:A:VAL:HG13	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD11	20	0.32
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD12	20	0.32
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD13	20	0.32
(2,3093)	1:125:A:TYR:HD1	1:126:A:HIS:HB2	2	0.32
(2,3093)	1:125:A:TYR:HD2	1:126:A:HIS:HB2	2	0.32
(2,2995)	1:82:A:LEU:HD21	1:115:A:THR:HG21	16	0.32
(2,2995)	1:82:A:LEU:HD21	1:115:A:THR:HG22	16	0.32
(2,2995)	1:82:A:LEU:HD21	1:115:A:THR:HG23	16	0.32
(2,2995)	1:82:A:LEU:HD22	1:115:A:THR:HG21	16	0.32
(2,2995)	1:82:A:LEU:HD22	1:115:A:THR:HG22	16	0.32
(2,2995)	1:82:A:LEU:HD22	1:115:A:THR:HG23	16	0.32
(2,2995)	1:82:A:LEU:HD23	1:115:A:THR:HG21	16	0.32
(2,2995)	1:82:A:LEU:HD23	1:115:A:THR:HG22	16	0.32
(2,2995)	1:82:A:LEU:HD23	1:115:A:THR:HG23	16	0.32
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG21	6	0.32
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG22	6	0.32
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG23	6	0.32
(2,2953)	1:111:A:PRO:HD2	1:112:A:ARG:HA	3	0.32
(2,2953)	1:111:A:PRO:HD2	1:112:A:ARG:HA	13	0.32
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD3	11	0.32
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD2	11	0.32
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG21	13	0.32
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG22	13	0.32
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG23	13	0.32
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD11	1	0.32
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD12	1	0.32
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD13	1	0.32
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD11	8	0.32
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD12	8	0.32
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD13	8	0.32
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD11	13	0.32
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD12	13	0.32
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD13	13	0.32
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD11	15	0.32
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD12	15	0.32
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD13	15	0.32
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD11	16	0.32
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD12	16	0.32
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD13	16	0.32
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD11	20	0.32
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD12	20	0.32
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD13	20	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD21	9	0.32
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD22	9	0.32
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD23	9	0.32
(2,2510)	1:113:A:GLY:HA2	1:79:A:ASN:HA	18	0.32
(2,2500)	1:81:A:LYS:HD3	1:78:A:PHE:HA	12	0.32
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD11	3	0.32
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD12	3	0.32
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD13	3	0.32
(2,2460)	1:162:A:LYS:HE2	1:158:A:GLU:HG3	11	0.32
(2,2455)	1:72:A:THR:HA	1:75:A:GLU:HG2	3	0.32
(2,2454)	1:174:A:LEU:H	1:172:A:GLU:HB2	2	0.32
(2,2365)	1:76:A:ILE:HA	1:75:A:GLU:HA	10	0.32
(2,2340)	1:142:A:LEU:HD11	1:156:A:ARG:HA	20	0.32
(2,2340)	1:142:A:LEU:HD12	1:156:A:ARG:HA	20	0.32
(2,2340)	1:142:A:LEU:HD13	1:156:A:ARG:HA	20	0.32
(2,2298)	1:41:A:LYS:HE3	1:75:A:GLU:HG3	19	0.32
(2,2297)	1:58:A:TYR:HB3	1:61:A:GLU:HG3	17	0.32
(2,2297)	1:58:A:TYR:HB3	1:61:A:GLU:HG2	17	0.32
(2,2251)	1:101:A:ALA:HB1	1:54:A:ILE:HG21	12	0.32
(2,2251)	1:101:A:ALA:HB1	1:54:A:ILE:HG22	12	0.32
(2,2251)	1:101:A:ALA:HB1	1:54:A:ILE:HG23	12	0.32
(2,2251)	1:101:A:ALA:HB2	1:54:A:ILE:HG21	12	0.32
(2,2251)	1:101:A:ALA:HB2	1:54:A:ILE:HG22	12	0.32
(2,2251)	1:101:A:ALA:HB2	1:54:A:ILE:HG23	12	0.32
(2,2251)	1:101:A:ALA:HB3	1:54:A:ILE:HG21	12	0.32
(2,2251)	1:101:A:ALA:HB3	1:54:A:ILE:HG22	12	0.32
(2,2251)	1:101:A:ALA:HB3	1:54:A:ILE:HG23	12	0.32
(2,2175)	1:168:A:LEU:HD11	1:82:A:LEU:HB3	6	0.32
(2,2175)	1:168:A:LEU:HD12	1:82:A:LEU:HB3	6	0.32
(2,2175)	1:168:A:LEU:HD13	1:82:A:LEU:HB3	6	0.32
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD11	3	0.32
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD12	3	0.32
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD13	3	0.32
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD11	18	0.32
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD12	18	0.32
(2,2028)	1:40:A:SER:HA	1:44:A:LEU:HD13	18	0.32
(2,1895)	1:38:A:LYS:HG2	1:38:A:LYS:HA	19	0.32
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB1	10	0.32
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB2	10	0.32
(2,1775)	1:23:A:GLN:HG2	1:31:A:ALA:HB3	10	0.32
(2,1772)	1:157:A:VAL:H	1:153:A:THR:HG21	4	0.32
(2,1772)	1:157:A:VAL:H	1:153:A:THR:HG22	4	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1772)	1:157:A:VAL:H	1:153:A:THR:HG23	4	0.32
(2,1752)	1:6:A:ILE:HD11	1:23:A:GLN:HG2	6	0.32
(2,1752)	1:6:A:ILE:HD12	1:23:A:GLN:HG2	6	0.32
(2,1752)	1:6:A:ILE:HD13	1:23:A:GLN:HG2	6	0.32
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD11	7	0.32
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD12	7	0.32
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD13	7	0.32
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD11	7	0.32
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD12	7	0.32
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD13	7	0.32
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD11	7	0.32
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD12	7	0.32
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD13	7	0.32
(2,1688)	1:31:A:ALA:HB1	1:26:A:LEU:HG	18	0.32
(2,1688)	1:31:A:ALA:HB2	1:26:A:LEU:HG	18	0.32
(2,1688)	1:31:A:ALA:HB3	1:26:A:LEU:HG	18	0.32
(2,1649)	1:24:A:LYS:H	1:24:A:LYS:HD2	3	0.32
(2,1649)	1:24:A:LYS:H	1:24:A:LYS:HD2	12	0.32
(2,1540)	1:20:A:LYS:HG3	1:20:A:LYS:HE2	12	0.32
(2,1537)	1:75:A:GLU:H	1:41:A:LYS:HE3	17	0.32
(2,1526)	1:33:A:VAL:HB	1:20:A:LYS:HG3	2	0.32
(2,1353)	1:6:A:ILE:HD11	1:23:A:GLN:HB3	20	0.32
(2,1353)	1:6:A:ILE:HD12	1:23:A:GLN:HB3	20	0.32
(2,1353)	1:6:A:ILE:HD13	1:23:A:GLN:HB3	20	0.32
(2,1337)	1:50:A:LEU:HA	1:6:A:ILE:HA	8	0.32
(2,1315)	1:51:A:LEU:HD21	1:4:A:THR:HB	8	0.32
(2,1315)	1:51:A:LEU:HD22	1:4:A:THR:HB	8	0.32
(2,1315)	1:51:A:LEU:HD23	1:4:A:THR:HB	8	0.32
(2,1242)	1:85:A:LEU:HB3	1:102:A:LEU:HD21	11	0.32
(2,1242)	1:85:A:LEU:HB3	1:102:A:LEU:HD22	11	0.32
(2,1242)	1:85:A:LEU:HB3	1:102:A:LEU:HD23	11	0.32
(2,1224)	1:38:A:LYS:HB2	1:38:A:LYS:HE2	20	0.32
(2,1191)	1:133:A:LEU:HD21	1:136:A:ASP:HA	18	0.32
(2,1191)	1:133:A:LEU:HD22	1:136:A:ASP:HA	18	0.32
(2,1191)	1:133:A:LEU:HD23	1:136:A:ASP:HA	18	0.32
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG21	3	0.32
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG22	3	0.32
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG23	3	0.32
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG21	18	0.32
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG22	18	0.32
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG23	18	0.32
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG21	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG22	8	0.32
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG23	8	0.32
(2,1010)	1:86:A:PHE:HB2	1:142:A:LEU:HG	19	0.32
(2,966)	1:156:A:ARG:HB2	1:142:A:LEU:HD11	1	0.32
(2,966)	1:156:A:ARG:HB2	1:142:A:LEU:HD12	1	0.32
(2,966)	1:156:A:ARG:HB2	1:142:A:LEU:HD13	1	0.32
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD21	8	0.32
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD22	8	0.32
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD23	8	0.32
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD11	10	0.32
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD12	10	0.32
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD13	10	0.32
(2,834)	1:38:A:LYS:HA	1:38:A:LYS:HG2	19	0.32
(2,791)	1:38:A:LYS:HA	1:38:A:LYS:HD3	6	0.32
(2,780)	1:173:A:ILE:HA	1:172:A:GLU:HB2	10	0.32
(2,780)	1:173:A:ILE:HA	1:172:A:GLU:HB2	17	0.32
(2,780)	1:173:A:ILE:HA	1:172:A:GLU:HB2	18	0.32
(2,770)	1:111:A:PRO:HD3	1:111:A:PRO:HB2	20	0.32
(2,753)	1:128:A:GLU:HA	1:128:A:GLU:HG2	16	0.32
(2,752)	1:61:A:GLU:HA	1:61:A:GLU:HG2	19	0.32
(2,741)	1:74:A:GLU:HA	1:74:A:GLU:HG2	1	0.32
(2,741)	1:74:A:GLU:HA	1:74:A:GLU:HG2	3	0.32
(2,741)	1:74:A:GLU:HA	1:74:A:GLU:HG2	7	0.32
(2,741)	1:74:A:GLU:HA	1:74:A:GLU:HG2	11	0.32
(2,741)	1:74:A:GLU:HA	1:74:A:GLU:HG2	14	0.32
(2,741)	1:74:A:GLU:HA	1:74:A:GLU:HG2	16	0.32
(2,741)	1:74:A:GLU:HA	1:74:A:GLU:HG2	19	0.32
(2,741)	1:74:A:GLU:HA	1:74:A:GLU:HG2	20	0.32
(2,731)	1:170:A:LEU:HA	1:173:A:ILE:HB	15	0.32
(2,705)	1:70:A:PHE:HE1	1:105:A:ILE:HD11	4	0.32
(2,705)	1:70:A:PHE:HE1	1:105:A:ILE:HD12	4	0.32
(2,705)	1:70:A:PHE:HE1	1:105:A:ILE:HD13	4	0.32
(2,705)	1:70:A:PHE:HE2	1:105:A:ILE:HD11	4	0.32
(2,705)	1:70:A:PHE:HE2	1:105:A:ILE:HD12	4	0.32
(2,705)	1:70:A:PHE:HE2	1:105:A:ILE:HD13	4	0.32
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG21	16	0.32
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG22	16	0.32
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG23	16	0.32
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD11	17	0.32
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD12	17	0.32
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD13	17	0.32
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD11	1	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD12	1	0.32
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD13	1	0.32
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD11	1	0.32
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD12	1	0.32
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD13	1	0.32
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD11	5	0.32
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD12	5	0.32
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD13	5	0.32
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD11	5	0.32
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD12	5	0.32
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD13	5	0.32
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD11	10	0.32
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD12	10	0.32
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD13	10	0.32
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD11	10	0.32
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD12	10	0.32
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD13	10	0.32
(2,496)	1:49:A:ILE:H	1:50:A:LEU:HD11	16	0.32
(2,496)	1:49:A:ILE:H	1:50:A:LEU:HD12	16	0.32
(2,496)	1:49:A:ILE:H	1:50:A:LEU:HD13	16	0.32
(2,417)	1:158:A:GLU:H	1:158:A:GLU:HG2	10	0.32
(2,96)	1:159:A:LYS:HB2	1:120:A:TRP:HZ2	3	0.32
(3,564)	1:133:A:LEU:HD11	1:122:A:THR:H	5	0.31
(3,564)	1:133:A:LEU:HD12	1:122:A:THR:H	5	0.31
(3,564)	1:133:A:LEU:HD13	1:122:A:THR:H	5	0.31
(3,559)	1:167:A:GLU:HA	1:118:A:GLY:H	5	0.31
(3,559)	1:167:A:GLU:HA	1:118:A:GLY:H	12	0.31
(3,74)	1:29:A:ASP:H	1:28:A:LYS:HE2	6	0.31
(2,5384)	1:171:A:ASP:HA	1:173:A:ILE:H	1	0.31
(2,5336)	1:170:A:LEU:HD11	1:174:A:LEU:H	8	0.31
(2,5336)	1:170:A:LEU:HD12	1:174:A:LEU:H	8	0.31
(2,5336)	1:170:A:LEU:HD13	1:174:A:LEU:H	8	0.31
(2,5301)	1:164:A:ILE:HD11	1:168:A:LEU:H	6	0.31
(2,5301)	1:164:A:ILE:HD12	1:168:A:LEU:H	6	0.31
(2,5301)	1:164:A:ILE:HD13	1:168:A:LEU:H	6	0.31
(2,5245)	1:142:A:LEU:HD11	1:160:A:TRP:H	3	0.31
(2,5245)	1:142:A:LEU:HD12	1:160:A:TRP:H	3	0.31
(2,5245)	1:142:A:LEU:HD13	1:160:A:TRP:H	3	0.31
(2,5243)	1:161:A:VAL:HB	1:160:A:TRP:H	5	0.31
(2,5209)	1:156:A:ARG:HG3	1:156:A:ARG:H	8	0.31
(2,5149)	1:144:A:ILE:HG12	1:145:A:ASP:H	9	0.31
(2,5077)	1:133:A:LEU:HD11	1:134:A:ALA:H	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5077)	1:133:A:LEU:HD12	1:134:A:ALA:H	13	0.31
(2,5077)	1:133:A:LEU:HD13	1:134:A:ALA:H	13	0.31
(2,5045)	1:95:A:ALA:HB1	1:127:A:PHE:H	19	0.31
(2,5045)	1:95:A:ALA:HB2	1:127:A:PHE:H	19	0.31
(2,5045)	1:95:A:ALA:HB3	1:127:A:PHE:H	19	0.31
(2,4980)	1:74:A:GLU:HB2	1:112:A:ARG:HE	6	0.31
(2,4965)	1:73:A:LEU:HD11	1:109:A:ILE:H	13	0.31
(2,4965)	1:73:A:LEU:HD12	1:109:A:ILE:H	13	0.31
(2,4965)	1:73:A:LEU:HD13	1:109:A:ILE:H	13	0.31
(2,4901)	1:128:A:GLU:HB2	1:98:A:PHE:H	2	0.31
(2,4613)	1:44:A:LEU:HD11	1:45:A:GLU:H	7	0.31
(2,4613)	1:44:A:LEU:HD12	1:45:A:GLU:H	7	0.31
(2,4613)	1:44:A:LEU:HD13	1:45:A:GLU:H	7	0.31
(2,4593)	1:169:A:HIS:HB3	1:173:A:ILE:H	9	0.31
(2,4481)	1:25:A:GLN:HA	1:25:A:GLN:HE22	6	0.31
(2,4435)	1:20:A:LYS:HD2	1:19:A:ALA:H	1	0.31
(2,4435)	1:20:A:LYS:HD2	1:19:A:ALA:H	13	0.31
(2,4366)	1:6:A:ILE:HG12	1:6:A:ILE:H	18	0.31
(2,4146)	1:133:A:LEU:HD21	1:130:A:SER:H	5	0.31
(2,4146)	1:133:A:LEU:HD22	1:130:A:SER:H	5	0.31
(2,4146)	1:133:A:LEU:HD23	1:130:A:SER:H	5	0.31
(2,4113)	1:167:A:GLU:HA	1:169:A:HIS:H	19	0.31
(2,4101)	1:41:A:LYS:HG2	1:45:A:GLU:H	5	0.31
(2,4090)	1:163:A:GLN:HB2	1:164:A:ILE:H	3	0.31
(2,4090)	1:163:A:GLN:HB2	1:164:A:ILE:H	4	0.31
(2,4060)	1:133:A:LEU:HD11	1:135:A:ASP:H	11	0.31
(2,4060)	1:133:A:LEU:HD12	1:135:A:ASP:H	11	0.31
(2,4060)	1:133:A:LEU:HD13	1:135:A:ASP:H	11	0.31
(2,3916)	1:105:A:ILE:HG12	1:105:A:ILE:H	3	0.31
(2,3916)	1:105:A:ILE:HG12	1:105:A:ILE:H	5	0.31
(2,3835)	1:155:A:GLU:HG3	1:155:A:GLU:H	8	0.31
(2,3806)	1:67:A:ASP:HB2	1:63:A:GLN:H	5	0.31
(2,3806)	1:67:A:ASP:HB2	1:63:A:GLN:H	11	0.31
(2,3806)	1:67:A:ASP:HB2	1:63:A:GLN:H	13	0.31
(2,3806)	1:67:A:ASP:HB2	1:63:A:GLN:H	15	0.31
(2,3806)	1:67:A:ASP:HB2	1:63:A:GLN:H	18	0.31
(2,3801)	1:27:A:GLY:HA3	1:30:A:VAL:H	9	0.31
(2,3794)	1:152:A:LEU:HB3	1:156:A:ARG:H	18	0.31
(2,3788)	1:164:A:ILE:HA	1:167:A:GLU:H	2	0.31
(2,3759)	1:47:A:TYR:HB2	1:48:A:ASP:H	2	0.31
(2,3759)	1:47:A:TYR:HB2	1:48:A:ASP:H	6	0.31
(2,3715)	1:67:A:ASP:HB3	1:62:A:ALA:H	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	17	0.31
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	17	0.31
(2,3684)	1:158:A:GLU:HA	1:162:A:LYS:H	18	0.31
(2,3650)	1:85:A:LEU:HD11	1:85:A:LEU:H	12	0.31
(2,3650)	1:85:A:LEU:HD12	1:85:A:LEU:H	12	0.31
(2,3650)	1:85:A:LEU:HD13	1:85:A:LEU:H	12	0.31
(2,3607)	1:77:A:ASP:HB2	1:77:A:ASP:H	19	0.31
(2,3575)	1:116:A:ILE:HG12	1:116:A:ILE:H	15	0.31
(2,3572)	1:116:A:ILE:HG12	1:116:A:ILE:H	15	0.31
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD11	5	0.31
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD12	5	0.31
(2,3501)	1:164:A:ILE:H	1:170:A:LEU:HD13	5	0.31
(2,3470)	1:163:A:GLN:HA	1:166:A:GLU:HG3	18	0.31
(2,3431)	1:162:A:LYS:HA	1:163:A:GLN:HG3	11	0.31
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD11	7	0.31
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD12	7	0.31
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD13	7	0.31
(2,3257)	1:115:A:THR:HA	1:110:A:GLU:HG3	9	0.31
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD11	10	0.31
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD12	10	0.31
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD13	10	0.31
(2,3093)	1:125:A:TYR:HD1	1:126:A:HIS:HB2	11	0.31
(2,3093)	1:125:A:TYR:HD2	1:126:A:HIS:HB2	11	0.31
(2,3017)	1:168:A:LEU:HA	1:117:A:VAL:HG21	6	0.31
(2,3017)	1:168:A:LEU:HA	1:117:A:VAL:HG22	6	0.31
(2,3017)	1:168:A:LEU:HA	1:117:A:VAL:HG23	6	0.31
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG21	8	0.31
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG22	8	0.31
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG23	8	0.31
(2,2965)	1:111:A:PRO:HG2	1:112:A:ARG:HD3	12	0.31
(2,2962)	1:109:A:ILE:HA	1:112:A:ARG:HD3	6	0.31
(2,2953)	1:111:A:PRO:HD2	1:112:A:ARG:HA	2	0.31
(2,2953)	1:111:A:PRO:HD2	1:112:A:ARG:HA	4	0.31
(2,2953)	1:111:A:PRO:HD2	1:112:A:ARG:HA	16	0.31
(2,2921)	1:110:A:GLU:HG2	1:110:A:GLU:HA	10	0.31
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG21	4	0.31
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG22	4	0.31
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG23	4	0.31
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD11	17	0.31
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD12	17	0.31
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD13	17	0.31
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD11	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD12	17	0.31
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD13	17	0.31
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD11	17	0.31
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD12	17	0.31
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD13	17	0.31
(2,2510)	1:113:A:GLY:HA2	1:79:A:ASN:HA	5	0.31
(2,2431)	1:52:A:LEU:HD11	1:73:A:LEU:HB2	11	0.31
(2,2431)	1:52:A:LEU:HD12	1:73:A:LEU:HB2	11	0.31
(2,2431)	1:52:A:LEU:HD13	1:73:A:LEU:HB2	11	0.31
(2,2340)	1:142:A:LEU:HD11	1:156:A:ARG:HA	10	0.31
(2,2340)	1:142:A:LEU:HD12	1:156:A:ARG:HA	10	0.31
(2,2340)	1:142:A:LEU:HD13	1:156:A:ARG:HA	10	0.31
(2,2332)	1:156:A:ARG:HD2	1:156:A:ARG:HA	5	0.31
(2,2298)	1:41:A:LYS:HE3	1:75:A:GLU:HG3	8	0.31
(2,2182)	1:6:A:ILE:HG12	1:51:A:LEU:HG	16	0.31
(2,2053)	1:97:A:TYR:HE1	1:96:A:GLU:HG2	13	0.31
(2,2053)	1:97:A:TYR:HE2	1:96:A:GLU:HG2	13	0.31
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD11	11	0.31
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD12	11	0.31
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD13	11	0.31
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD11	18	0.31
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD12	18	0.31
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD13	18	0.31
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD11	18	0.31
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD12	18	0.31
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD13	18	0.31
(2,2030)	1:45:A:GLU:H	1:44:A:LEU:HD11	7	0.31
(2,2030)	1:45:A:GLU:H	1:44:A:LEU:HD12	7	0.31
(2,2030)	1:45:A:GLU:H	1:44:A:LEU:HD13	7	0.31
(2,1968)	1:42:A:GLU:HG3	1:42:A:GLU:HA	19	0.31
(2,1945)	1:44:A:LEU:HD11	1:41:A:LYS:HA	5	0.31
(2,1945)	1:44:A:LEU:HD12	1:41:A:LYS:HA	5	0.31
(2,1945)	1:44:A:LEU:HD13	1:41:A:LYS:HA	5	0.31
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB1	10	0.31
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB2	10	0.31
(2,1891)	1:38:A:LYS:HE3	1:37:A:ALA:HB3	10	0.31
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB3	10	0.31
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB2	10	0.31
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG11	1	0.31
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG12	1	0.31
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG13	1	0.31
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG11	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG12	1	0.31
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG13	1	0.31
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG11	1	0.31
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG12	1	0.31
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG13	1	0.31
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG11	17	0.31
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG12	17	0.31
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG13	17	0.31
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG11	17	0.31
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG12	17	0.31
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG13	17	0.31
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG11	17	0.31
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG12	17	0.31
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG13	17	0.31
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG11	18	0.31
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG12	18	0.31
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG13	18	0.31
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG11	18	0.31
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG12	18	0.31
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG13	18	0.31
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG11	18	0.31
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG12	18	0.31
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG13	18	0.31
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG11	20	0.31
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG12	20	0.31
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG13	20	0.31
(2,1752)	1:6:A:ILE:HD11	1:23:A:GLN:HG2	14	0.31
(2,1752)	1:6:A:ILE:HD12	1:23:A:GLN:HG2	14	0.31
(2,1752)	1:6:A:ILE:HD13	1:23:A:GLN:HG2	14	0.31
(2,1706)	1:158:A:GLU:H	1:155:A:GLU:HA	19	0.31
(2,1688)	1:31:A:ALA:HB1	1:26:A:LEU:HG	7	0.31
(2,1688)	1:31:A:ALA:HB2	1:26:A:LEU:HG	7	0.31
(2,1688)	1:31:A:ALA:HB3	1:26:A:LEU:HG	7	0.31
(2,1649)	1:24:A:LYS:H	1:24:A:LYS:HD2	11	0.31
(2,1647)	1:25:A:GLN:H	1:24:A:LYS:HD2	4	0.31
(2,1540)	1:20:A:LYS:HG3	1:20:A:LYS:HE2	2	0.31
(2,1540)	1:20:A:LYS:HG3	1:20:A:LYS:HE2	9	0.31
(2,1540)	1:20:A:LYS:HG3	1:20:A:LYS:HE2	17	0.31
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD11	6	0.31
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD12	6	0.31
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD13	6	0.31
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG21	9	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG22	9	0.31
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG23	9	0.31
(2,1353)	1:6:A:ILE:HD11	1:23:A:GLN:HB3	5	0.31
(2,1353)	1:6:A:ILE:HD12	1:23:A:GLN:HB3	5	0.31
(2,1353)	1:6:A:ILE:HD13	1:23:A:GLN:HB3	5	0.31
(2,1279)	1:168:A:LEU:HD11	1:170:A:LEU:HG	7	0.31
(2,1279)	1:168:A:LEU:HD12	1:170:A:LEU:HG	7	0.31
(2,1279)	1:168:A:LEU:HD13	1:170:A:LEU:HG	7	0.31
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD21	5	0.31
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD22	5	0.31
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD23	5	0.31
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD21	5	0.31
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD22	5	0.31
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD23	5	0.31
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD21	5	0.31
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD22	5	0.31
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD23	5	0.31
(2,1232)	1:158:A:GLU:HA	1:162:A:LYS:HE2	10	0.31
(2,1226)	1:38:A:LYS:HG2	1:38:A:LYS:HE3	17	0.31
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD11	13	0.31
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD12	13	0.31
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD13	13	0.31
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD11	13	0.31
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD12	13	0.31
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD13	13	0.31
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD11	13	0.31
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD12	13	0.31
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD13	13	0.31
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB1	15	0.31
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB2	15	0.31
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB3	15	0.31
(2,804)	1:112:A:ARG:HA	1:112:A:ARG:HG3	7	0.31
(2,804)	1:112:A:ARG:HA	1:112:A:ARG:HG3	13	0.31
(2,804)	1:112:A:ARG:HA	1:112:A:ARG:HG3	19	0.31
(2,780)	1:173:A:ILE:HA	1:172:A:GLU:HB2	9	0.31
(2,780)	1:173:A:ILE:HA	1:172:A:GLU:HB2	11	0.31
(2,780)	1:173:A:ILE:HA	1:172:A:GLU:HB2	19	0.31
(2,770)	1:111:A:PRO:HD3	1:111:A:PRO:HB2	15	0.31
(2,753)	1:128:A:GLU:HA	1:128:A:GLU:HG2	9	0.31
(2,753)	1:128:A:GLU:HA	1:128:A:GLU:HG2	17	0.31
(2,741)	1:74:A:GLU:HA	1:74:A:GLU:HG2	4	0.31
(2,741)	1:74:A:GLU:HA	1:74:A:GLU:HG2	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG21	1	0.31
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG22	1	0.31
(2,657)	1:108:A:ILE:H	1:109:A:ILE:HG23	1	0.31
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD11	3	0.31
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD12	3	0.31
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD13	3	0.31
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG11	3	0.31
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG12	3	0.31
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG13	3	0.31
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD11	11	0.31
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD12	11	0.31
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD13	11	0.31
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD21	16	0.31
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD22	16	0.31
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD23	16	0.31
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD21	16	0.31
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD22	16	0.31
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD23	16	0.31
(2,464)	1:164:A:ILE:H	1:163:A:GLN:HB2	3	0.31
(2,464)	1:164:A:ILE:H	1:163:A:GLN:HB2	4	0.31
(2,96)	1:159:A:LYS:HB2	1:120:A:TRP:HZ2	15	0.31
(2,84)	1:159:A:LYS:HG3	1:120:A:TRP:HH2	1	0.31
(3,685)	1:20:A:LYS:HG2	1:23:A:GLN:HE21	9	0.3
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD22	15	0.3
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD21	15	0.3
(3,378)	1:6:A:ILE:HG12	1:33:A:VAL:H	1	0.3
(3,377)	1:20:A:LYS:HG2	1:33:A:VAL:H	7	0.3
(3,78)	1:174:A:LEU:HB2	1:27:A:GLY:HA3	15	0.3
(2,5229)	1:145:A:ASP:H	1:156:A:ARG:HE	16	0.3
(2,5166)	1:149:A:GLN:HG3	1:148:A:ARG:H	4	0.3
(2,5163)	1:148:A:ARG:HD3	1:148:A:ARG:H	5	0.3
(2,5077)	1:133:A:LEU:HD11	1:134:A:ALA:H	8	0.3
(2,5077)	1:133:A:LEU:HD12	1:134:A:ALA:H	8	0.3
(2,5077)	1:133:A:LEU:HD13	1:134:A:ALA:H	8	0.3
(2,5059)	1:131:A:LYS:HG3	1:130:A:SER:H	11	0.3
(2,5025)	1:137:A:ASP:HB3	1:123:A:ALA:H	17	0.3
(2,4898)	1:95:A:ALA:H	1:98:A:PHE:H	7	0.3
(2,4789)	1:113:A:GLY:HA2	1:79:A:ASN:H	10	0.3
(2,4752)	1:74:A:GLU:HG3	1:73:A:LEU:H	7	0.3
(2,4722)	1:65:A:ASP:HB2	1:66:A:TRP:H	4	0.3
(2,4722)	1:65:A:ASP:HB2	1:66:A:TRP:H	6	0.3
(2,4491)	1:161:A:VAL:HG21	1:26:A:LEU:H	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4491)	1:161:A:VAL:HG22	1:26:A:LEU:H	11	0.3
(2,4491)	1:161:A:VAL:HG23	1:26:A:LEU:H	11	0.3
(2,4484)	1:162:A:LYS:HG2	1:25:A:GLN:HE22	5	0.3
(2,4435)	1:20:A:LYS:HD2	1:19:A:ALA:H	5	0.3
(2,4365)	1:32:A:ASP:HB2	1:6:A:ILE:H	19	0.3
(2,4180)	1:102:A:LEU:HD11	1:87:A:GLY:H	3	0.3
(2,4180)	1:102:A:LEU:HD12	1:87:A:GLY:H	3	0.3
(2,4180)	1:102:A:LEU:HD13	1:87:A:GLY:H	3	0.3
(2,4098)	1:45:A:GLU:HG2	1:45:A:GLU:H	16	0.3
(2,4091)	1:163:A:GLN:HG3	1:164:A:ILE:H	16	0.3
(2,4079)	1:85:A:LEU:HD11	1:86:A:PHE:H	13	0.3
(2,4079)	1:85:A:LEU:HD12	1:86:A:PHE:H	13	0.3
(2,4079)	1:85:A:LEU:HD13	1:86:A:PHE:H	13	0.3
(2,4060)	1:133:A:LEU:HD11	1:135:A:ASP:H	7	0.3
(2,4060)	1:133:A:LEU:HD12	1:135:A:ASP:H	7	0.3
(2,4060)	1:133:A:LEU:HD13	1:135:A:ASP:H	7	0.3
(2,3997)	1:30:A:VAL:HG11	1:3:A:ILE:H	1	0.3
(2,3997)	1:30:A:VAL:HG12	1:3:A:ILE:H	1	0.3
(2,3997)	1:30:A:VAL:HG13	1:3:A:ILE:H	1	0.3
(2,3988)	1:170:A:LEU:HD11	1:170:A:LEU:H	18	0.3
(2,3988)	1:170:A:LEU:HD12	1:170:A:LEU:H	18	0.3
(2,3988)	1:170:A:LEU:HD13	1:170:A:LEU:H	18	0.3
(2,3983)	1:157:A:VAL:HG11	1:157:A:VAL:H	2	0.3
(2,3983)	1:157:A:VAL:HG12	1:157:A:VAL:H	2	0.3
(2,3983)	1:157:A:VAL:HG13	1:157:A:VAL:H	2	0.3
(2,3983)	1:157:A:VAL:HG11	1:157:A:VAL:H	8	0.3
(2,3983)	1:157:A:VAL:HG12	1:157:A:VAL:H	8	0.3
(2,3983)	1:157:A:VAL:HG13	1:157:A:VAL:H	8	0.3
(2,3983)	1:157:A:VAL:HG11	1:157:A:VAL:H	15	0.3
(2,3983)	1:157:A:VAL:HG12	1:157:A:VAL:H	15	0.3
(2,3983)	1:157:A:VAL:HG13	1:157:A:VAL:H	15	0.3
(2,3921)	1:45:A:GLU:HB2	1:44:A:LEU:H	8	0.3
(2,3921)	1:45:A:GLU:HB2	1:44:A:LEU:H	15	0.3
(2,3916)	1:105:A:ILE:HG12	1:105:A:ILE:H	1	0.3
(2,3916)	1:105:A:ILE:HG12	1:105:A:ILE:H	2	0.3
(2,3903)	1:158:A:GLU:HG3	1:159:A:LYS:H	17	0.3
(2,3860)	1:139:A:PHE:HB2	1:140:A:VAL:H	1	0.3
(2,3860)	1:139:A:PHE:HB2	1:140:A:VAL:H	19	0.3
(2,3801)	1:27:A:GLY:HA3	1:30:A:VAL:H	2	0.3
(2,3794)	1:152:A:LEU:HB3	1:156:A:ARG:H	8	0.3
(2,3794)	1:152:A:LEU:HB3	1:156:A:ARG:H	13	0.3
(2,3759)	1:47:A:TYR:HB2	1:48:A:ASP:H	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3507)	1:164:A:ILE:HD11	1:170:A:LEU:HD11	14	0.3
(2,3507)	1:164:A:ILE:HD11	1:170:A:LEU:HD12	14	0.3
(2,3507)	1:164:A:ILE:HD11	1:170:A:LEU:HD13	14	0.3
(2,3507)	1:164:A:ILE:HD12	1:170:A:LEU:HD11	14	0.3
(2,3507)	1:164:A:ILE:HD12	1:170:A:LEU:HD12	14	0.3
(2,3507)	1:164:A:ILE:HD12	1:170:A:LEU:HD13	14	0.3
(2,3507)	1:164:A:ILE:HD13	1:170:A:LEU:HD11	14	0.3
(2,3507)	1:164:A:ILE:HD13	1:170:A:LEU:HD12	14	0.3
(2,3507)	1:164:A:ILE:HD13	1:170:A:LEU:HD13	14	0.3
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD11	11	0.3
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD12	11	0.3
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD13	11	0.3
(2,3130)	1:125:A:TYR:HD1	1:130:A:SER:HB3	15	0.3
(2,3130)	1:125:A:TYR:HD2	1:130:A:SER:HB3	15	0.3
(2,3093)	1:125:A:TYR:HD1	1:126:A:HIS:HB2	8	0.3
(2,3093)	1:125:A:TYR:HD2	1:126:A:HIS:HB2	8	0.3
(2,3020)	1:167:A:GLU:HG3	1:117:A:VAL:HG21	14	0.3
(2,3020)	1:167:A:GLU:HG3	1:117:A:VAL:HG22	14	0.3
(2,3020)	1:167:A:GLU:HG3	1:117:A:VAL:HG23	14	0.3
(2,2965)	1:111:A:PRO:HG2	1:112:A:ARG:HD3	5	0.3
(2,2944)	1:110:A:GLU:HB2	1:111:A:PRO:HD2	3	0.3
(2,2944)	1:110:A:GLU:HB2	1:111:A:PRO:HD2	19	0.3
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG3	8	0.3
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG2	8	0.3
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG21	3	0.3
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG22	3	0.3
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG23	3	0.3
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD11	12	0.3
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD12	12	0.3
(2,2819)	1:102:A:LEU:HD21	1:105:A:ILE:HD13	12	0.3
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD11	12	0.3
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD12	12	0.3
(2,2819)	1:102:A:LEU:HD22	1:105:A:ILE:HD13	12	0.3
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD11	12	0.3
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD12	12	0.3
(2,2819)	1:102:A:LEU:HD23	1:105:A:ILE:HD13	12	0.3
(2,2780)	1:54:A:ILE:HG21	1:102:A:LEU:HD21	7	0.3
(2,2780)	1:54:A:ILE:HG21	1:102:A:LEU:HD22	7	0.3
(2,2780)	1:54:A:ILE:HG21	1:102:A:LEU:HD23	7	0.3
(2,2780)	1:54:A:ILE:HG22	1:102:A:LEU:HD21	7	0.3
(2,2780)	1:54:A:ILE:HG22	1:102:A:LEU:HD22	7	0.3
(2,2780)	1:54:A:ILE:HG22	1:102:A:LEU:HD23	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2780)	1:54:A:ILE:HG23	1:102:A:LEU:HD21	7	0.3
(2,2780)	1:54:A:ILE:HG23	1:102:A:LEU:HD22	7	0.3
(2,2780)	1:54:A:ILE:HG23	1:102:A:LEU:HD23	7	0.3
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD21	3	0.3
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD22	3	0.3
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD23	3	0.3
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB1	14	0.3
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB2	14	0.3
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB3	14	0.3
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB1	14	0.3
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB2	14	0.3
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB3	14	0.3
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB1	14	0.3
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB2	14	0.3
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB3	14	0.3
(2,2704)	1:96:A:GLU:HG2	1:96:A:GLU:HA	7	0.3
(2,2626)	1:142:A:LEU:HB2	1:86:A:PHE:HB3	19	0.3
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD11	8	0.3
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD12	8	0.3
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD13	8	0.3
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD11	13	0.3
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD12	13	0.3
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD13	13	0.3
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG2	13	0.3
(2,2459)	1:159:A:LYS:HE2	1:155:A:GLU:HG3	13	0.3
(2,2455)	1:72:A:THR:HA	1:75:A:GLU:HG2	20	0.3
(2,2365)	1:76:A:ILE:HA	1:75:A:GLU:HA	13	0.3
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD11	7	0.3
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD12	7	0.3
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD13	7	0.3
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD11	6	0.3
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD12	6	0.3
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD13	6	0.3
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD11	6	0.3
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD12	6	0.3
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD13	6	0.3
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD11	17	0.3
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD12	17	0.3
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD13	17	0.3
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD11	17	0.3
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD12	17	0.3
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD13	17	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2130)	1:120:A:TRP:HH2	1:159:A:LYS:HG2	6	0.3
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG21	20	0.3
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG22	20	0.3
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG23	20	0.3
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG21	20	0.3
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG22	20	0.3
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG23	20	0.3
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG21	20	0.3
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG22	20	0.3
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG23	20	0.3
(2,2053)	1:97:A:TYR:HE1	1:96:A:GLU:HG2	9	0.3
(2,2053)	1:97:A:TYR:HE2	1:96:A:GLU:HG2	9	0.3
(2,1975)	1:159:A:LYS:H	1:158:A:GLU:HG3	17	0.3
(2,1968)	1:42:A:GLU:HG3	1:42:A:GLU:HA	11	0.3
(2,1968)	1:42:A:GLU:HG3	1:42:A:GLU:HA	20	0.3
(2,1958)	1:17:A:ASN:HA	1:20:A:LYS:HE3	6	0.3
(2,1958)	1:17:A:ASN:HA	1:20:A:LYS:HE3	11	0.3
(2,1958)	1:17:A:ASN:HA	1:20:A:LYS:HE3	15	0.3
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG21	1	0.3
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG22	1	0.3
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG23	1	0.3
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG21	9	0.3
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG22	9	0.3
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG23	9	0.3
(2,1839)	1:38:A:LYS:HG2	1:35:A:ASP:HB3	20	0.3
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG11	19	0.3
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG12	19	0.3
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG13	19	0.3
(2,1577)	1:25:A:GLN:HB3	1:22:A:ILE:HA	8	0.3
(2,1577)	1:25:A:GLN:HB3	1:22:A:ILE:HA	18	0.3
(2,1577)	1:25:A:GLN:HB3	1:22:A:ILE:HA	19	0.3
(2,1540)	1:20:A:LYS:HG3	1:20:A:LYS:HE2	14	0.3
(2,1540)	1:20:A:LYS:HG3	1:20:A:LYS:HE2	18	0.3
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD11	17	0.3
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD12	17	0.3
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD13	17	0.3
(2,1465)	1:18:A:ILE:HD11	1:17:A:ASN:HB2	17	0.3
(2,1465)	1:18:A:ILE:HD12	1:17:A:ASN:HB2	17	0.3
(2,1465)	1:18:A:ILE:HD13	1:17:A:ASN:HB2	17	0.3
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG21	15	0.3
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG22	15	0.3
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG23	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1353)	1:6:A:ILE:HD11	1:23:A:GLN:HB3	4	0.3
(2,1353)	1:6:A:ILE:HD12	1:23:A:GLN:HB3	4	0.3
(2,1353)	1:6:A:ILE:HD13	1:23:A:GLN:HB3	4	0.3
(2,1337)	1:50:A:LEU:HA	1:6:A:ILE:HA	9	0.3
(2,1092)	1:102:A:LEU:HD21	1:54:A:ILE:HG21	7	0.3
(2,1092)	1:102:A:LEU:HD21	1:54:A:ILE:HG22	7	0.3
(2,1092)	1:102:A:LEU:HD21	1:54:A:ILE:HG23	7	0.3
(2,1092)	1:102:A:LEU:HD22	1:54:A:ILE:HG21	7	0.3
(2,1092)	1:102:A:LEU:HD22	1:54:A:ILE:HG22	7	0.3
(2,1092)	1:102:A:LEU:HD22	1:54:A:ILE:HG23	7	0.3
(2,1092)	1:102:A:LEU:HD23	1:54:A:ILE:HG21	7	0.3
(2,1092)	1:102:A:LEU:HD23	1:54:A:ILE:HG22	7	0.3
(2,1092)	1:102:A:LEU:HD23	1:54:A:ILE:HG23	7	0.3
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD11	8	0.3
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD12	8	0.3
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD13	8	0.3
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD11	8	0.3
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD12	8	0.3
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD13	8	0.3
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD11	8	0.3
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD12	8	0.3
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD13	8	0.3
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD11	17	0.3
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD12	17	0.3
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD13	17	0.3
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD11	17	0.3
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD12	17	0.3
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD13	17	0.3
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD11	17	0.3
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD12	17	0.3
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD13	17	0.3
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD11	19	0.3
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD12	19	0.3
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD13	19	0.3
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD11	19	0.3
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD12	19	0.3
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD13	19	0.3
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD11	19	0.3
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD12	19	0.3
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD13	19	0.3
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG21	1	0.3
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG22	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG23	1	0.3
(2,1016)	1:8:A:PHE:HB3	1:15:A:THR:HG21	12	0.3
(2,1016)	1:8:A:PHE:HB3	1:15:A:THR:HG22	12	0.3
(2,1016)	1:8:A:PHE:HB3	1:15:A:THR:HG23	12	0.3
(2,804)	1:112:A:ARG:HA	1:112:A:ARG:HG3	2	0.3
(2,804)	1:112:A:ARG:HA	1:112:A:ARG:HG3	16	0.3
(2,780)	1:173:A:ILE:HA	1:172:A:GLU:HB2	4	0.3
(2,780)	1:173:A:ILE:HA	1:172:A:GLU:HB2	13	0.3
(2,780)	1:173:A:ILE:HA	1:172:A:GLU:HB2	20	0.3
(2,770)	1:111:A:PRO:HD3	1:111:A:PRO:HB2	14	0.3
(2,753)	1:128:A:GLU:HA	1:128:A:GLU:HG2	18	0.3
(2,753)	1:128:A:GLU:HA	1:128:A:GLU:HG2	19	0.3
(2,741)	1:74:A:GLU:HA	1:74:A:GLU:HG2	6	0.3
(2,741)	1:74:A:GLU:HA	1:74:A:GLU:HG2	9	0.3
(2,741)	1:74:A:GLU:HA	1:74:A:GLU:HG2	13	0.3
(2,741)	1:74:A:GLU:HA	1:74:A:GLU:HG2	15	0.3
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG11	2	0.3
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG12	2	0.3
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG13	2	0.3
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG11	8	0.3
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG12	8	0.3
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG13	8	0.3
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG11	15	0.3
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG12	15	0.3
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG13	15	0.3
(2,570)	1:139:A:PHE:HE1	1:133:A:LEU:HD11	13	0.3
(2,570)	1:139:A:PHE:HE1	1:133:A:LEU:HD12	13	0.3
(2,570)	1:139:A:PHE:HE1	1:133:A:LEU:HD13	13	0.3
(2,570)	1:139:A:PHE:HE2	1:133:A:LEU:HD11	13	0.3
(2,570)	1:139:A:PHE:HE2	1:133:A:LEU:HD12	13	0.3
(2,570)	1:139:A:PHE:HE2	1:133:A:LEU:HD13	13	0.3
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD11	6	0.3
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD12	6	0.3
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD13	6	0.3
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD11	6	0.3
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD12	6	0.3
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD13	6	0.3
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD11	7	0.3
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD12	7	0.3
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD13	7	0.3
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG21	4	0.3
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG22	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG23	4	0.3
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD21	17	0.3
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD22	17	0.3
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD23	17	0.3
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD21	7	0.3
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD22	7	0.3
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD23	7	0.3
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD21	7	0.3
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD22	7	0.3
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD23	7	0.3
(2,417)	1:158:A:GLU:H	1:158:A:GLU:HG2	14	0.3
(2,84)	1:159:A:LYS:HG3	1:120:A:TRP:HH2	7	0.3
(3,571)	1:133:A:LEU:HD11	1:127:A:PHE:H	17	0.29
(3,571)	1:133:A:LEU:HD12	1:127:A:PHE:H	17	0.29
(3,571)	1:133:A:LEU:HD13	1:127:A:PHE:H	17	0.29
(3,540)	1:112:A:ARG:HG2	1:109:A:ILE:H	9	0.29
(3,453)	1:41:A:LYS:HD2	1:77:A:ASP:H	8	0.29
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD11	19	0.29
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD12	19	0.29
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD13	19	0.29
(2,5367)	1:87:A:GLY:HA2	1:14:A:ASN:HD22	17	0.29
(2,5342)	1:171:A:ASP:HB2	1:175:A:ASN:H	12	0.29
(2,5336)	1:170:A:LEU:HD11	1:174:A:LEU:H	6	0.29
(2,5336)	1:170:A:LEU:HD12	1:174:A:LEU:H	6	0.29
(2,5336)	1:170:A:LEU:HD13	1:174:A:LEU:H	6	0.29
(2,5167)	1:92:A:GLU:HB2	1:148:A:ARG:H	20	0.29
(2,5149)	1:144:A:ILE:HG12	1:145:A:ASP:H	11	0.29
(2,5100)	1:133:A:LEU:HB2	1:138:A:HIS:H	2	0.29
(2,4980)	1:74:A:GLU:HB2	1:112:A:ARG:HE	13	0.29
(2,4934)	1:105:A:ILE:HG12	1:104:A:THR:H	4	0.29
(2,4898)	1:95:A:ALA:H	1:98:A:PHE:H	9	0.29
(2,4752)	1:74:A:GLU:HG3	1:73:A:LEU:H	8	0.29
(2,4739)	1:66:A:TRP:HB3	1:70:A:PHE:H	4	0.29
(2,4698)	1:101:A:ALA:H	1:61:A:GLU:H	8	0.29
(2,4674)	1:102:A:LEU:HD11	1:54:A:ILE:H	16	0.29
(2,4674)	1:102:A:LEU:HD12	1:54:A:ILE:H	16	0.29
(2,4674)	1:102:A:LEU:HD13	1:54:A:ILE:H	16	0.29
(2,4660)	1:83:A:VAL:HG11	1:52:A:LEU:H	17	0.29
(2,4660)	1:83:A:VAL:HG12	1:52:A:LEU:H	17	0.29
(2,4660)	1:83:A:VAL:HG13	1:52:A:LEU:H	17	0.29
(2,4620)	1:44:A:LEU:HD11	1:46:A:ALA:H	7	0.29
(2,4620)	1:44:A:LEU:HD12	1:46:A:ALA:H	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4620)	1:44:A:LEU:HD13	1:46:A:ALA:H	7	0.29
(2,4593)	1:169:A:HIS:HB3	1:173:A:ILE:H	19	0.29
(2,4455)	1:22:A:ILE:HG12	1:22:A:ILE:H	19	0.29
(2,4365)	1:32:A:ASP:HB2	1:6:A:ILE:H	5	0.29
(2,4365)	1:32:A:ASP:HB2	1:6:A:ILE:H	8	0.29
(2,4255)	1:79:A:ASN:HD22	1:79:A:ASN:H	4	0.29
(2,4079)	1:85:A:LEU:HD11	1:86:A:PHE:H	17	0.29
(2,4079)	1:85:A:LEU:HD12	1:86:A:PHE:H	17	0.29
(2,4079)	1:85:A:LEU:HD13	1:86:A:PHE:H	17	0.29
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD21	7	0.29
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD22	7	0.29
(2,3997)	1:30:A:VAL:HG11	1:3:A:ILE:H	19	0.29
(2,3997)	1:30:A:VAL:HG12	1:3:A:ILE:H	19	0.29
(2,3997)	1:30:A:VAL:HG13	1:3:A:ILE:H	19	0.29
(2,3983)	1:157:A:VAL:HG11	1:157:A:VAL:H	7	0.29
(2,3983)	1:157:A:VAL:HG12	1:157:A:VAL:H	7	0.29
(2,3983)	1:157:A:VAL:HG13	1:157:A:VAL:H	7	0.29
(2,3983)	1:157:A:VAL:HG11	1:157:A:VAL:H	18	0.29
(2,3983)	1:157:A:VAL:HG12	1:157:A:VAL:H	18	0.29
(2,3983)	1:157:A:VAL:HG13	1:157:A:VAL:H	18	0.29
(2,3806)	1:67:A:ASP:HB2	1:63:A:GLN:H	20	0.29
(2,3794)	1:152:A:LEU:HB3	1:156:A:ARG:H	5	0.29
(2,3783)	1:92:A:GLU:HG3	1:93:A:ASP:H	12	0.29
(2,3763)	1:32:A:ASP:HB2	1:32:A:ASP:H	18	0.29
(2,3715)	1:67:A:ASP:HB3	1:62:A:ALA:H	19	0.29
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	12	0.29
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	12	0.29
(2,3697)	1:30:A:VAL:HG11	1:31:A:ALA:H	7	0.29
(2,3697)	1:30:A:VAL:HG12	1:31:A:ALA:H	7	0.29
(2,3697)	1:30:A:VAL:HG13	1:31:A:ALA:H	7	0.29
(2,3613)	1:105:A:ILE:HG12	1:106:A:ARG:H	20	0.29
(2,3607)	1:77:A:ASP:HB2	1:77:A:ASP:H	11	0.29
(2,3512)	1:166:A:GLU:HB3	1:171:A:ASP:HB2	15	0.29
(2,3480)	1:82:A:LEU:HD21	1:168:A:LEU:HD21	18	0.29
(2,3480)	1:82:A:LEU:HD21	1:168:A:LEU:HD22	18	0.29
(2,3480)	1:82:A:LEU:HD21	1:168:A:LEU:HD23	18	0.29
(2,3480)	1:82:A:LEU:HD22	1:168:A:LEU:HD21	18	0.29
(2,3480)	1:82:A:LEU:HD22	1:168:A:LEU:HD22	18	0.29
(2,3480)	1:82:A:LEU:HD22	1:168:A:LEU:HD23	18	0.29
(2,3480)	1:82:A:LEU:HD23	1:168:A:LEU:HD21	18	0.29
(2,3480)	1:82:A:LEU:HD23	1:168:A:LEU:HD22	18	0.29
(2,3480)	1:82:A:LEU:HD23	1:168:A:LEU:HD23	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3470)	1:163:A:GLN:HA	1:166:A:GLU:HG3	13	0.29
(2,3388)	1:112:A:ARG:HB3	1:78:A:PHE:HA	15	0.29
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD11	12	0.29
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD12	12	0.29
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD13	12	0.29
(2,3118)	1:92:A:GLU:HG2	1:148:A:ARG:HA	12	0.29
(2,3093)	1:125:A:TYR:HD1	1:126:A:HIS:HB2	19	0.29
(2,3093)	1:125:A:TYR:HD2	1:126:A:HIS:HB2	19	0.29
(2,2983)	1:116:A:ILE:HD11	1:115:A:THR:HA	18	0.29
(2,2983)	1:116:A:ILE:HD12	1:115:A:THR:HA	18	0.29
(2,2983)	1:116:A:ILE:HD13	1:115:A:THR:HA	18	0.29
(2,2940)	1:112:A:ARG:HD2	1:111:A:PRO:HB3	1	0.29
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG3	19	0.29
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG2	19	0.29
(2,2921)	1:110:A:GLU:HG2	1:110:A:GLU:HA	18	0.29
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD11	2	0.29
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD12	2	0.29
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD13	2	0.29
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD11	14	0.29
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD12	14	0.29
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD13	14	0.29
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD11	17	0.29
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD12	17	0.29
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD13	17	0.29
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD11	20	0.29
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD12	20	0.29
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD13	20	0.29
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD11	1	0.29
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD12	1	0.29
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD13	1	0.29
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD11	2	0.29
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD12	2	0.29
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD13	2	0.29
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD11	2	0.29
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD12	2	0.29
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD13	2	0.29
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD11	2	0.29
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD12	2	0.29
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD13	2	0.29
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD11	17	0.29
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD12	17	0.29
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD13	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2704)	1:96:A:GLU:HG2	1:96:A:GLU:HA	1	0.29
(2,2620)	1:102:A:LEU:HD11	1:86:A:PHE:HA	17	0.29
(2,2620)	1:102:A:LEU:HD12	1:86:A:PHE:HA	17	0.29
(2,2620)	1:102:A:LEU:HD13	1:86:A:PHE:HA	17	0.29
(2,2598)	1:51:A:LEU:HB3	1:84:A:ALA:HB1	10	0.29
(2,2598)	1:51:A:LEU:HB3	1:84:A:ALA:HB2	10	0.29
(2,2598)	1:51:A:LEU:HB3	1:84:A:ALA:HB3	10	0.29
(2,2582)	1:109:A:ILE:HG12	1:83:A:VAL:HB	3	0.29
(2,2510)	1:113:A:GLY:HA2	1:79:A:ASN:HA	11	0.29
(2,2451)	1:108:A:ILE:HD11	1:74:A:GLU:HG3	1	0.29
(2,2451)	1:108:A:ILE:HD12	1:74:A:GLU:HG3	1	0.29
(2,2451)	1:108:A:ILE:HD13	1:74:A:GLU:HG3	1	0.29
(2,2388)	1:112:A:ARG:HD2	1:111:A:PRO:HB2	3	0.29
(2,2365)	1:76:A:ILE:HA	1:75:A:GLU:HA	3	0.29
(2,2298)	1:41:A:LYS:HE3	1:75:A:GLU:HG3	2	0.29
(2,2298)	1:41:A:LYS:HE3	1:75:A:GLU:HG3	11	0.29
(2,2130)	1:120:A:TRP:HH2	1:159:A:LYS:HG2	3	0.29
(2,1968)	1:42:A:GLU:HG3	1:42:A:GLU:HA	4	0.29
(2,1968)	1:42:A:GLU:HG3	1:42:A:GLU:HA	6	0.29
(2,1895)	1:38:A:LYS:HG2	1:38:A:LYS:HA	14	0.29
(2,1698)	1:161:A:VAL:HA	1:26:A:LEU:HD11	12	0.29
(2,1698)	1:161:A:VAL:HA	1:26:A:LEU:HD12	12	0.29
(2,1698)	1:161:A:VAL:HA	1:26:A:LEU:HD13	12	0.29
(2,1698)	1:161:A:VAL:HA	1:26:A:LEU:HD11	14	0.29
(2,1698)	1:161:A:VAL:HA	1:26:A:LEU:HD12	14	0.29
(2,1698)	1:161:A:VAL:HA	1:26:A:LEU:HD13	14	0.29
(2,1675)	1:22:A:ILE:HA	1:25:A:GLN:HG2	1	0.29
(2,1649)	1:24:A:LYS:H	1:24:A:LYS:HD2	20	0.29
(2,1577)	1:25:A:GLN:HB3	1:22:A:ILE:HA	16	0.29
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD11	4	0.29
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD12	4	0.29
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD13	4	0.29
(2,1458)	1:71:A:PRO:HD2	1:68:A:ASP:HA	8	0.29
(2,1337)	1:50:A:LEU:HA	1:6:A:ILE:HA	4	0.29
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG21	14	0.29
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG22	14	0.29
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG23	14	0.29
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG21	14	0.29
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG22	14	0.29
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG23	14	0.29
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG21	14	0.29
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG22	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG23	14	0.29
(2,1230)	1:20:A:LYS:HG3	1:20:A:LYS:HE3	20	0.29
(2,1178)	1:28:A:LYS:HD2	1:28:A:LYS:HA	5	0.29
(2,1178)	1:28:A:LYS:HD2	1:28:A:LYS:HA	17	0.29
(2,1164)	1:45:A:GLU:HB2	1:42:A:GLU:HA	13	0.29
(2,1113)	1:170:A:LEU:HD11	1:4:A:THR:HB	15	0.29
(2,1113)	1:170:A:LEU:HD12	1:4:A:THR:HB	15	0.29
(2,1113)	1:170:A:LEU:HD13	1:4:A:THR:HB	15	0.29
(2,1096)	1:164:A:ILE:HG21	1:161:A:VAL:HA	19	0.29
(2,1096)	1:164:A:ILE:HG22	1:161:A:VAL:HA	19	0.29
(2,1096)	1:164:A:ILE:HG23	1:161:A:VAL:HA	19	0.29
(2,1057)	1:109:A:ILE:HG21	1:73:A:LEU:HD11	16	0.29
(2,1057)	1:109:A:ILE:HG21	1:73:A:LEU:HD12	16	0.29
(2,1057)	1:109:A:ILE:HG21	1:73:A:LEU:HD13	16	0.29
(2,1057)	1:109:A:ILE:HG22	1:73:A:LEU:HD11	16	0.29
(2,1057)	1:109:A:ILE:HG22	1:73:A:LEU:HD12	16	0.29
(2,1057)	1:109:A:ILE:HG22	1:73:A:LEU:HD13	16	0.29
(2,1057)	1:109:A:ILE:HG23	1:73:A:LEU:HD11	16	0.29
(2,1057)	1:109:A:ILE:HG23	1:73:A:LEU:HD12	16	0.29
(2,1057)	1:109:A:ILE:HG23	1:73:A:LEU:HD13	16	0.29
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG21	5	0.29
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG22	5	0.29
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG23	5	0.29
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD11	9	0.29
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD12	9	0.29
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD13	9	0.29
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD11	9	0.29
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD12	9	0.29
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD13	9	0.29
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD11	9	0.29
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD12	9	0.29
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD13	9	0.29
(2,834)	1:38:A:LYS:HA	1:38:A:LYS:HG2	14	0.29
(2,804)	1:112:A:ARG:HA	1:112:A:ARG:HG3	3	0.29
(2,804)	1:112:A:ARG:HA	1:112:A:ARG:HG3	4	0.29
(2,804)	1:112:A:ARG:HA	1:112:A:ARG:HG3	5	0.29
(2,804)	1:112:A:ARG:HA	1:112:A:ARG:HG3	6	0.29
(2,804)	1:112:A:ARG:HA	1:112:A:ARG:HG3	10	0.29
(2,804)	1:112:A:ARG:HA	1:112:A:ARG:HG3	18	0.29
(2,780)	1:173:A:ILE:HA	1:172:A:GLU:HB2	8	0.29
(2,770)	1:111:A:PRO:HD3	1:111:A:PRO:HB2	12	0.29
(2,753)	1:128:A:GLU:HA	1:128:A:GLU:HG2	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,753)	1:128:A:GLU:HA	1:128:A:GLU:HG2	7	0.29
(2,753)	1:128:A:GLU:HA	1:128:A:GLU:HG2	12	0.29
(2,731)	1:170:A:LEU:HA	1:173:A:ILE:HB	3	0.29
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG11	7	0.29
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG12	7	0.29
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG13	7	0.29
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG11	18	0.29
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG12	18	0.29
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG13	18	0.29
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG11	6	0.29
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG12	6	0.29
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG13	6	0.29
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD11	4	0.29
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD12	4	0.29
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD13	4	0.29
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD11	4	0.29
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD12	4	0.29
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD13	4	0.29
(2,408)	1:17:A:ASN:HD21	1:17:A:ASN:HB2	7	0.29
(2,84)	1:159:A:LYS:HG3	1:120:A:TRP:HH2	11	0.29
(2,80)	1:105:A:ILE:HG12	1:70:A:PHE:HZ	7	0.29
(3,453)	1:41:A:LYS:HD2	1:77:A:ASP:H	2	0.28
(3,6)	1:159:A:LYS:HG3	1:120:A:TRP:HZ2	13	0.28
(2,5336)	1:170:A:LEU:HD11	1:174:A:LEU:H	9	0.28
(2,5336)	1:170:A:LEU:HD12	1:174:A:LEU:H	9	0.28
(2,5336)	1:170:A:LEU:HD13	1:174:A:LEU:H	9	0.28
(2,5334)	1:172:A:GLU:HB2	1:174:A:LEU:H	1	0.28
(2,5257)	1:162:A:LYS:HG2	1:162:A:LYS:H	4	0.28
(2,5245)	1:142:A:LEU:HD11	1:160:A:TRP:H	11	0.28
(2,5245)	1:142:A:LEU:HD12	1:160:A:TRP:H	11	0.28
(2,5245)	1:142:A:LEU:HD13	1:160:A:TRP:H	11	0.28
(2,5065)	1:131:A:LYS:HB2	1:132:A:GLY:H	17	0.28
(2,4998)	1:116:A:ILE:HD11	1:115:A:THR:H	13	0.28
(2,4998)	1:116:A:ILE:HD12	1:115:A:THR:H	13	0.28
(2,4998)	1:116:A:ILE:HD13	1:115:A:THR:H	13	0.28
(2,4856)	1:91:A:GLN:HG2	1:91:A:GLN:H	5	0.28
(2,4789)	1:113:A:GLY:HA2	1:79:A:ASN:H	18	0.28
(2,4708)	1:61:A:GLU:HB2	1:63:A:GLN:H	19	0.28
(2,4613)	1:44:A:LEU:HD11	1:45:A:GLU:H	15	0.28
(2,4613)	1:44:A:LEU:HD12	1:45:A:GLU:H	15	0.28
(2,4613)	1:44:A:LEU:HD13	1:45:A:GLU:H	15	0.28
(2,4488)	1:158:A:GLU:HA	1:25:A:GLN:HE21	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4463)	1:21:A:MET:HA	1:23:A:GLN:H	18	0.28
(2,4463)	1:21:A:MET:HA	1:23:A:GLN:H	19	0.28
(2,4455)	1:22:A:ILE:HG12	1:22:A:ILE:H	10	0.28
(2,4435)	1:20:A:LYS:HD2	1:19:A:ALA:H	16	0.28
(2,4365)	1:32:A:ASP:HB2	1:6:A:ILE:H	13	0.28
(2,4119)	1:59:A:TYR:HB3	1:59:A:TYR:H	19	0.28
(2,4079)	1:85:A:LEU:HD11	1:86:A:PHE:H	11	0.28
(2,4079)	1:85:A:LEU:HD12	1:86:A:PHE:H	11	0.28
(2,4079)	1:85:A:LEU:HD13	1:86:A:PHE:H	11	0.28
(2,3997)	1:30:A:VAL:HG11	1:3:A:ILE:H	6	0.28
(2,3997)	1:30:A:VAL:HG12	1:3:A:ILE:H	6	0.28
(2,3997)	1:30:A:VAL:HG13	1:3:A:ILE:H	6	0.28
(2,3988)	1:170:A:LEU:HD11	1:170:A:LEU:H	8	0.28
(2,3988)	1:170:A:LEU:HD12	1:170:A:LEU:H	8	0.28
(2,3988)	1:170:A:LEU:HD13	1:170:A:LEU:H	8	0.28
(2,3983)	1:157:A:VAL:HG11	1:157:A:VAL:H	12	0.28
(2,3983)	1:157:A:VAL:HG12	1:157:A:VAL:H	12	0.28
(2,3983)	1:157:A:VAL:HG13	1:157:A:VAL:H	12	0.28
(2,3983)	1:157:A:VAL:HG11	1:157:A:VAL:H	17	0.28
(2,3983)	1:157:A:VAL:HG12	1:157:A:VAL:H	17	0.28
(2,3983)	1:157:A:VAL:HG13	1:157:A:VAL:H	17	0.28
(2,3943)	1:157:A:VAL:HB	1:161:A:VAL:H	19	0.28
(2,3903)	1:158:A:GLU:HG3	1:159:A:LYS:H	3	0.28
(2,3860)	1:139:A:PHE:HB2	1:140:A:VAL:H	17	0.28
(2,3806)	1:67:A:ASP:HB2	1:63:A:GLN:H	9	0.28
(2,3806)	1:67:A:ASP:HB2	1:63:A:GLN:H	14	0.28
(2,3759)	1:47:A:TYR:HB2	1:48:A:ASP:H	11	0.28
(2,3759)	1:47:A:TYR:HB2	1:48:A:ASP:H	13	0.28
(2,3697)	1:30:A:VAL:HG11	1:31:A:ALA:H	17	0.28
(2,3697)	1:30:A:VAL:HG12	1:31:A:ALA:H	17	0.28
(2,3697)	1:30:A:VAL:HG13	1:31:A:ALA:H	17	0.28
(2,3679)	1:52:A:LEU:HB3	1:52:A:LEU:H	3	0.28
(2,3679)	1:52:A:LEU:HB3	1:52:A:LEU:H	13	0.28
(2,3679)	1:52:A:LEU:HB3	1:52:A:LEU:H	17	0.28
(2,3607)	1:77:A:ASP:HB2	1:77:A:ASP:H	4	0.28
(2,3581)	1:51:A:LEU:HD11	1:84:A:ALA:H	11	0.28
(2,3581)	1:51:A:LEU:HD12	1:84:A:ALA:H	11	0.28
(2,3581)	1:51:A:LEU:HD13	1:84:A:ALA:H	11	0.28
(2,3575)	1:116:A:ILE:HG12	1:116:A:ILE:H	18	0.28
(2,3572)	1:116:A:ILE:HG12	1:116:A:ILE:H	18	0.28
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD21	5	0.28
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD22	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3484)	1:170:A:LEU:HG	1:168:A:LEU:HD23	5	0.28
(2,3452)	1:163:A:GLN:HG3	1:164:A:ILE:HG21	10	0.28
(2,3452)	1:163:A:GLN:HG3	1:164:A:ILE:HG22	10	0.28
(2,3452)	1:163:A:GLN:HG3	1:164:A:ILE:HG23	10	0.28
(2,3452)	1:163:A:GLN:HG2	1:164:A:ILE:HG21	10	0.28
(2,3452)	1:163:A:GLN:HG2	1:164:A:ILE:HG22	10	0.28
(2,3452)	1:163:A:GLN:HG2	1:164:A:ILE:HG23	10	0.28
(2,3109)	1:125:A:TYR:HE1	1:128:A:GLU:HG2	17	0.28
(2,3109)	1:125:A:TYR:HE2	1:128:A:GLU:HG2	17	0.28
(2,3107)	1:161:A:VAL:H	1:157:A:VAL:HB	19	0.28
(2,3059)	1:120:A:TRP:H	1:121:A:PRO:HD3	15	0.28
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG21	14	0.28
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG22	14	0.28
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG23	14	0.28
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG21	14	0.28
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG22	14	0.28
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG23	14	0.28
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG21	14	0.28
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG22	14	0.28
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG23	14	0.28
(2,2953)	1:111:A:PRO:HD2	1:112:A:ARG:HA	19	0.28
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG21	6	0.28
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG22	6	0.28
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG23	6	0.28
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD11	5	0.28
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD12	5	0.28
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD13	5	0.28
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD21	4	0.28
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD22	4	0.28
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD23	4	0.28
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD21	11	0.28
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD22	11	0.28
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD23	11	0.28
(2,2704)	1:96:A:GLU:HG2	1:96:A:GLU:HA	11	0.28
(2,2696)	1:98:A:PHE:HB3	1:95:A:ALA:HA	1	0.28
(2,2664)	1:93:A:ASP:HB3	1:92:A:GLU:HA	13	0.28
(2,2548)	1:117:A:VAL:HG11	1:82:A:LEU:HB2	18	0.28
(2,2548)	1:117:A:VAL:HG12	1:82:A:LEU:HB2	18	0.28
(2,2548)	1:117:A:VAL:HG13	1:82:A:LEU:HB2	18	0.28
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD11	16	0.28
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD12	16	0.28
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD13	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD11	19	0.28
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD12	19	0.28
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD13	19	0.28
(2,2454)	1:174:A:LEU:H	1:172:A:GLU:HB2	1	0.28
(2,2365)	1:76:A:ILE:HA	1:75:A:GLU:HA	19	0.28
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD11	9	0.28
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD12	9	0.28
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD13	9	0.28
(2,2203)	1:4:A:THR:HG21	1:51:A:LEU:HD21	11	0.28
(2,2203)	1:4:A:THR:HG21	1:51:A:LEU:HD22	11	0.28
(2,2203)	1:4:A:THR:HG21	1:51:A:LEU:HD23	11	0.28
(2,2203)	1:4:A:THR:HG22	1:51:A:LEU:HD21	11	0.28
(2,2203)	1:4:A:THR:HG22	1:51:A:LEU:HD22	11	0.28
(2,2203)	1:4:A:THR:HG22	1:51:A:LEU:HD23	11	0.28
(2,2203)	1:4:A:THR:HG23	1:51:A:LEU:HD21	11	0.28
(2,2203)	1:4:A:THR:HG23	1:51:A:LEU:HD22	11	0.28
(2,2203)	1:4:A:THR:HG23	1:51:A:LEU:HD23	11	0.28
(2,2130)	1:120:A:TRP:HH2	1:159:A:LYS:HG2	10	0.28
(2,2113)	1:50:A:LEU:HG	1:50:A:LEU:HA	10	0.28
(2,2113)	1:50:A:LEU:HG	1:50:A:LEU:HA	13	0.28
(2,2113)	1:50:A:LEU:HG	1:50:A:LEU:HA	17	0.28
(2,2046)	1:77:A:ASP:HB3	1:45:A:GLU:HA	6	0.28
(2,2030)	1:45:A:GLU:H	1:44:A:LEU:HD11	15	0.28
(2,2030)	1:45:A:GLU:H	1:44:A:LEU:HD12	15	0.28
(2,2030)	1:45:A:GLU:H	1:44:A:LEU:HD13	15	0.28
(2,1975)	1:159:A:LYS:H	1:158:A:GLU:HG3	3	0.28
(2,1968)	1:42:A:GLU:HG3	1:42:A:GLU:HA	3	0.28
(2,1968)	1:42:A:GLU:HG3	1:42:A:GLU:HA	5	0.28
(2,1968)	1:42:A:GLU:HG3	1:42:A:GLU:HA	10	0.28
(2,1968)	1:42:A:GLU:HG3	1:42:A:GLU:HA	12	0.28
(2,1968)	1:42:A:GLU:HG3	1:42:A:GLU:HA	16	0.28
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG21	8	0.28
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG22	8	0.28
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG23	8	0.28
(2,1732)	1:131:A:LYS:H	1:131:A:LYS:HE2	18	0.28
(2,1540)	1:20:A:LYS:HG3	1:20:A:LYS:HE2	8	0.28
(2,1526)	1:33:A:VAL:HB	1:20:A:LYS:HG3	5	0.28
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD11	8	0.28
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD12	8	0.28
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD13	8	0.28
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG21	18	0.28
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG22	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG23	18	0.28
(2,1327)	1:2:A:ALA:HA	1:30:A:VAL:HG11	9	0.28
(2,1327)	1:2:A:ALA:HA	1:30:A:VAL:HG12	9	0.28
(2,1327)	1:2:A:ALA:HA	1:30:A:VAL:HG13	9	0.28
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG21	3	0.28
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG22	3	0.28
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG23	3	0.28
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG21	3	0.28
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG22	3	0.28
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG23	3	0.28
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG21	3	0.28
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG22	3	0.28
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG23	3	0.28
(2,1315)	1:51:A:LEU:HD21	1:4:A:THR:HB	15	0.28
(2,1315)	1:51:A:LEU:HD22	1:4:A:THR:HB	15	0.28
(2,1315)	1:51:A:LEU:HD23	1:4:A:THR:HB	15	0.28
(2,1226)	1:38:A:LYS:HG2	1:38:A:LYS:HE3	5	0.28
(2,1226)	1:38:A:LYS:HG2	1:38:A:LYS:HE3	13	0.28
(2,1209)	1:82:A:LEU:HD21	1:168:A:LEU:HA	11	0.28
(2,1209)	1:82:A:LEU:HD22	1:168:A:LEU:HA	11	0.28
(2,1209)	1:82:A:LEU:HD23	1:168:A:LEU:HA	11	0.28
(2,1163)	1:162:A:LYS:HD2	1:159:A:LYS:HA	10	0.28
(2,1106)	1:102:A:LEU:HD11	1:102:A:LEU:HA	18	0.28
(2,1106)	1:102:A:LEU:HD12	1:102:A:LEU:HA	18	0.28
(2,1106)	1:102:A:LEU:HD13	1:102:A:LEU:HA	18	0.28
(2,1096)	1:164:A:ILE:HG21	1:161:A:VAL:HA	2	0.28
(2,1096)	1:164:A:ILE:HG22	1:161:A:VAL:HA	2	0.28
(2,1096)	1:164:A:ILE:HG23	1:161:A:VAL:HA	2	0.28
(2,1096)	1:164:A:ILE:HG21	1:161:A:VAL:HA	16	0.28
(2,1096)	1:164:A:ILE:HG22	1:161:A:VAL:HA	16	0.28
(2,1096)	1:164:A:ILE:HG23	1:161:A:VAL:HA	16	0.28
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG11	18	0.28
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG12	18	0.28
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG13	18	0.28
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG11	18	0.28
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG12	18	0.28
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG13	18	0.28
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG11	18	0.28
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG12	18	0.28
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG13	18	0.28
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD21	11	0.28
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD22	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD23	11	0.28
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD21	11	0.28
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD22	11	0.28
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD23	11	0.28
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD21	11	0.28
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD22	11	0.28
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD23	11	0.28
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD11	1	0.28
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD12	1	0.28
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD13	1	0.28
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD11	1	0.28
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD12	1	0.28
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD13	1	0.28
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD11	1	0.28
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD12	1	0.28
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD13	1	0.28
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD11	6	0.28
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD12	6	0.28
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD13	6	0.28
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD11	6	0.28
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD12	6	0.28
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD13	6	0.28
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD11	6	0.28
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD12	6	0.28
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD13	6	0.28
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD11	12	0.28
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD12	12	0.28
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD13	12	0.28
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD11	12	0.28
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD12	12	0.28
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD13	12	0.28
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD11	12	0.28
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD12	12	0.28
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD13	12	0.28
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG21	16	0.28
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG22	16	0.28
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG23	16	0.28
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD11	16	0.28
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD12	16	0.28
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD13	16	0.28
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD21	15	0.28
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD22	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD23	15	0.28
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD11	3	0.28
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD12	3	0.28
(2,824)	1:85:A:LEU:HA	1:85:A:LEU:HD13	3	0.28
(2,753)	1:128:A:GLU:HA	1:128:A:GLU:HG2	11	0.28
(2,731)	1:170:A:LEU:HA	1:173:A:ILE:HB	11	0.28
(2,731)	1:170:A:LEU:HA	1:173:A:ILE:HB	13	0.28
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD11	11	0.28
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD12	11	0.28
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD13	11	0.28
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG11	12	0.28
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG12	12	0.28
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG13	12	0.28
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG11	17	0.28
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG12	17	0.28
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG13	17	0.28
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG21	5	0.28
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG22	5	0.28
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG23	5	0.28
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD21	1	0.28
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD22	1	0.28
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD23	1	0.28
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD21	1	0.28
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD22	1	0.28
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD23	1	0.28
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD11	5	0.28
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD12	5	0.28
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD13	5	0.28
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD11	5	0.28
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD12	5	0.28
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD13	5	0.28
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD11	14	0.28
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD12	14	0.28
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD13	14	0.28
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD11	14	0.28
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD12	14	0.28
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD13	14	0.28
(2,456)	1:120:A:TRP:HH2	1:159:A:LYS:HD2	18	0.28
(2,119)	1:120:A:TRP:H	1:160:A:TRP:HD1	19	0.28
(2,96)	1:159:A:LYS:HB2	1:120:A:TRP:HZ2	4	0.28
(2,96)	1:159:A:LYS:HB2	1:120:A:TRP:HZ2	9	0.28
(3,685)	1:20:A:LYS:HG2	1:23:A:GLN:HE21	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,658)	1:170:A:LEU:HB3	1:166:A:GLU:H	12	0.27
(3,522)	1:108:A:ILE:HG12	1:105:A:ILE:H	16	0.27
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD11	18	0.27
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD12	18	0.27
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD13	18	0.27
(3,74)	1:29:A:ASP:H	1:28:A:LYS:HE2	14	0.27
(3,63)	1:78:A:PHE:HB3	1:50:A:LEU:HD11	6	0.27
(3,63)	1:78:A:PHE:HB3	1:50:A:LEU:HD12	6	0.27
(3,63)	1:78:A:PHE:HB3	1:50:A:LEU:HD13	6	0.27
(2,5384)	1:171:A:ASP:HA	1:173:A:ILE:H	2	0.27
(2,5384)	1:171:A:ASP:HA	1:173:A:ILE:H	8	0.27
(2,5334)	1:172:A:GLU:HB2	1:174:A:LEU:H	13	0.27
(2,5322)	1:169:A:HIS:HB2	1:171:A:ASP:H	11	0.27
(2,5322)	1:169:A:HIS:HB2	1:171:A:ASP:H	19	0.27
(2,5301)	1:164:A:ILE:HD11	1:168:A:LEU:H	12	0.27
(2,5301)	1:164:A:ILE:HD12	1:168:A:LEU:H	12	0.27
(2,5301)	1:164:A:ILE:HD13	1:168:A:LEU:H	12	0.27
(2,5257)	1:162:A:LYS:HG2	1:162:A:LYS:H	12	0.27
(2,5243)	1:161:A:VAL:HB	1:160:A:TRP:H	13	0.27
(2,5200)	1:155:A:GLU:HG2	1:155:A:GLU:H	17	0.27
(2,5177)	1:146:A:GLU:HB2	1:151:A:GLU:H	3	0.27
(2,5145)	1:156:A:ARG:HD2	1:145:A:ASP:H	11	0.27
(2,5065)	1:131:A:LYS:HB2	1:132:A:GLY:H	15	0.27
(2,5059)	1:131:A:LYS:HG3	1:130:A:SER:H	9	0.27
(2,4998)	1:116:A:ILE:HD11	1:115:A:THR:H	11	0.27
(2,4998)	1:116:A:ILE:HD12	1:115:A:THR:H	11	0.27
(2,4998)	1:116:A:ILE:HD13	1:115:A:THR:H	11	0.27
(2,4898)	1:95:A:ALA:H	1:98:A:PHE:H	18	0.27
(2,4784)	1:113:A:GLY:HA2	1:78:A:PHE:H	12	0.27
(2,4752)	1:74:A:GLU:HG3	1:73:A:LEU:H	2	0.27
(2,4752)	1:74:A:GLU:HG3	1:73:A:LEU:H	5	0.27
(2,4705)	1:61:A:GLU:HG3	1:62:A:ALA:H	5	0.27
(2,4674)	1:102:A:LEU:HD11	1:54:A:ILE:H	4	0.27
(2,4674)	1:102:A:LEU:HD12	1:54:A:ILE:H	4	0.27
(2,4674)	1:102:A:LEU:HD13	1:54:A:ILE:H	4	0.27
(2,4634)	1:50:A:LEU:HD11	1:48:A:ASP:H	7	0.27
(2,4634)	1:50:A:LEU:HD12	1:48:A:ASP:H	7	0.27
(2,4634)	1:50:A:LEU:HD13	1:48:A:ASP:H	7	0.27
(2,4613)	1:44:A:LEU:HD11	1:45:A:GLU:H	5	0.27
(2,4613)	1:44:A:LEU:HD12	1:45:A:GLU:H	5	0.27
(2,4613)	1:44:A:LEU:HD13	1:45:A:GLU:H	5	0.27
(2,4537)	1:38:A:LYS:HD2	1:35:A:ASP:H	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4488)	1:158:A:GLU:HA	1:25:A:GLN:HE21	10	0.27
(2,4487)	1:161:A:VAL:HB	1:25:A:GLN:HE21	2	0.27
(2,4486)	1:162:A:LYS:HG3	1:25:A:GLN:HE21	10	0.27
(2,4463)	1:21:A:MET:HA	1:23:A:GLN:H	14	0.27
(2,4453)	1:157:A:VAL:HG21	1:22:A:ILE:H	14	0.27
(2,4453)	1:157:A:VAL:HG22	1:22:A:ILE:H	14	0.27
(2,4453)	1:157:A:VAL:HG23	1:22:A:ILE:H	14	0.27
(2,4435)	1:20:A:LYS:HD2	1:19:A:ALA:H	11	0.27
(2,4365)	1:32:A:ASP:HB2	1:6:A:ILE:H	4	0.27
(2,4255)	1:79:A:ASN:HD22	1:79:A:ASN:H	3	0.27
(2,4180)	1:102:A:LEU:HD11	1:87:A:GLY:H	14	0.27
(2,4180)	1:102:A:LEU:HD12	1:87:A:GLY:H	14	0.27
(2,4180)	1:102:A:LEU:HD13	1:87:A:GLY:H	14	0.27
(2,4146)	1:133:A:LEU:HD21	1:130:A:SER:H	6	0.27
(2,4146)	1:133:A:LEU:HD22	1:130:A:SER:H	6	0.27
(2,4146)	1:133:A:LEU:HD23	1:130:A:SER:H	6	0.27
(2,4119)	1:59:A:TYR:HB3	1:59:A:TYR:H	10	0.27
(2,4113)	1:167:A:GLU:HA	1:169:A:HIS:H	15	0.27
(2,4059)	1:133:A:LEU:HB2	1:135:A:ASP:H	20	0.27
(2,3988)	1:170:A:LEU:HD11	1:170:A:LEU:H	14	0.27
(2,3988)	1:170:A:LEU:HD12	1:170:A:LEU:H	14	0.27
(2,3988)	1:170:A:LEU:HD13	1:170:A:LEU:H	14	0.27
(2,3983)	1:157:A:VAL:HG11	1:157:A:VAL:H	10	0.27
(2,3983)	1:157:A:VAL:HG12	1:157:A:VAL:H	10	0.27
(2,3983)	1:157:A:VAL:HG13	1:157:A:VAL:H	10	0.27
(2,3921)	1:45:A:GLU:HB2	1:44:A:LEU:H	12	0.27
(2,3916)	1:105:A:ILE:HG12	1:105:A:ILE:H	18	0.27
(2,3903)	1:158:A:GLU:HG3	1:159:A:LYS:H	13	0.27
(2,3860)	1:139:A:PHE:HB2	1:140:A:VAL:H	5	0.27
(2,3806)	1:67:A:ASP:HB2	1:63:A:GLN:H	4	0.27
(2,3806)	1:67:A:ASP:HB2	1:63:A:GLN:H	7	0.27
(2,3801)	1:27:A:GLY:HA3	1:30:A:VAL:H	8	0.27
(2,3759)	1:47:A:TYR:HB2	1:48:A:ASP:H	7	0.27
(2,3759)	1:47:A:TYR:HB2	1:48:A:ASP:H	10	0.27
(2,3697)	1:30:A:VAL:HG11	1:31:A:ALA:H	10	0.27
(2,3697)	1:30:A:VAL:HG12	1:31:A:ALA:H	10	0.27
(2,3697)	1:30:A:VAL:HG13	1:31:A:ALA:H	10	0.27
(2,3697)	1:30:A:VAL:HG11	1:31:A:ALA:H	13	0.27
(2,3697)	1:30:A:VAL:HG12	1:31:A:ALA:H	13	0.27
(2,3697)	1:30:A:VAL:HG13	1:31:A:ALA:H	13	0.27
(2,3697)	1:30:A:VAL:HG11	1:31:A:ALA:H	20	0.27
(2,3697)	1:30:A:VAL:HG12	1:31:A:ALA:H	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3697)	1:30:A:VAL:HG13	1:31:A:ALA:H	20	0.27
(2,3679)	1:52:A:LEU:HB3	1:52:A:LEU:H	4	0.27
(2,3679)	1:52:A:LEU:HB3	1:52:A:LEU:H	5	0.27
(2,3679)	1:52:A:LEU:HB3	1:52:A:LEU:H	20	0.27
(2,3607)	1:77:A:ASP:HB2	1:77:A:ASP:H	12	0.27
(2,3581)	1:51:A:LEU:HD11	1:84:A:ALA:H	5	0.27
(2,3581)	1:51:A:LEU:HD12	1:84:A:ALA:H	5	0.27
(2,3581)	1:51:A:LEU:HD13	1:84:A:ALA:H	5	0.27
(2,3581)	1:51:A:LEU:HD11	1:84:A:ALA:H	19	0.27
(2,3581)	1:51:A:LEU:HD12	1:84:A:ALA:H	19	0.27
(2,3581)	1:51:A:LEU:HD13	1:84:A:ALA:H	19	0.27
(2,3470)	1:163:A:GLN:HA	1:166:A:GLU:HG3	2	0.27
(2,3470)	1:163:A:GLN:HA	1:166:A:GLU:HG3	8	0.27
(2,3344)	1:158:A:GLU:H	1:159:A:LYS:HD2	4	0.27
(2,3344)	1:158:A:GLU:H	1:159:A:LYS:HD2	8	0.27
(2,3306)	1:152:A:LEU:HG	1:151:A:GLU:HG3	4	0.27
(2,3306)	1:152:A:LEU:HG	1:151:A:GLU:HG3	7	0.27
(2,3306)	1:152:A:LEU:HG	1:151:A:GLU:HG3	9	0.27
(2,3110)	1:95:A:ALA:H	1:128:A:GLU:HG3	17	0.27
(2,3059)	1:120:A:TRP:H	1:121:A:PRO:HD3	14	0.27
(2,2965)	1:111:A:PRO:HG2	1:112:A:ARG:HD3	19	0.27
(2,2921)	1:110:A:GLU:HG2	1:110:A:GLU:HA	15	0.27
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG21	12	0.27
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG22	12	0.27
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG23	12	0.27
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD11	10	0.27
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD12	10	0.27
(2,2910)	1:84:A:ALA:H	1:109:A:ILE:HD13	10	0.27
(2,2843)	1:140:A:VAL:HG11	1:106:A:ARG:HD2	15	0.27
(2,2843)	1:140:A:VAL:HG12	1:106:A:ARG:HD2	15	0.27
(2,2843)	1:140:A:VAL:HG13	1:106:A:ARG:HD2	15	0.27
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD11	7	0.27
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD12	7	0.27
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD13	7	0.27
(2,2704)	1:96:A:GLU:HG2	1:96:A:GLU:HA	18	0.27
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB1	12	0.27
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB2	12	0.27
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB3	12	0.27
(2,2664)	1:93:A:ASP:HB3	1:92:A:GLU:HA	5	0.27
(2,2664)	1:93:A:ASP:HB3	1:92:A:GLU:HA	10	0.27
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD11	3	0.27
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD12	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2614)	1:49:A:ILE:HA	1:168:A:LEU:HD13	3	0.27
(2,2582)	1:109:A:ILE:HG12	1:83:A:VAL:HB	7	0.27
(2,2510)	1:113:A:GLY:HA2	1:79:A:ASN:HA	9	0.27
(2,2454)	1:174:A:LEU:H	1:172:A:GLU:HB2	13	0.27
(2,2442)	1:74:A:GLU:HG3	1:74:A:GLU:HA	20	0.27
(2,2332)	1:156:A:ARG:HD2	1:156:A:ARG:HA	4	0.27
(2,2275)	1:158:A:GLU:HG3	1:155:A:GLU:HA	5	0.27
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD11	18	0.27
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD12	18	0.27
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD13	18	0.27
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD11	18	0.27
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD12	18	0.27
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD13	18	0.27
(2,2184)	1:48:A:ASP:HA	1:81:A:LYS:HD2	20	0.27
(2,2182)	1:6:A:ILE:HG12	1:51:A:LEU:HG	8	0.27
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG21	6	0.27
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG22	6	0.27
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG23	6	0.27
(2,2113)	1:50:A:LEU:HG	1:50:A:LEU:HA	5	0.27
(2,2113)	1:50:A:LEU:HG	1:50:A:LEU:HA	15	0.27
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG21	6	0.27
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG22	6	0.27
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG23	6	0.27
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG21	6	0.27
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG22	6	0.27
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG23	6	0.27
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG21	6	0.27
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG22	6	0.27
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG23	6	0.27
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD21	10	0.27
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD22	10	0.27
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD23	10	0.27
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD21	10	0.27
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD22	10	0.27
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD23	10	0.27
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD21	10	0.27
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD22	10	0.27
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD23	10	0.27
(2,2030)	1:45:A:GLU:H	1:44:A:LEU:HD11	5	0.27
(2,2030)	1:45:A:GLU:H	1:44:A:LEU:HD12	5	0.27
(2,2030)	1:45:A:GLU:H	1:44:A:LEU:HD13	5	0.27
(2,2018)	1:7:A:PHE:HD1	1:44:A:LEU:HG	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2018)	1:7:A:PHE:HD2	1:44:A:LEU:HG	12	0.27
(2,1975)	1:159:A:LYS:H	1:158:A:GLU:HG3	13	0.27
(2,1968)	1:42:A:GLU:HG3	1:42:A:GLU:HA	8	0.27
(2,1968)	1:42:A:GLU:HG3	1:42:A:GLU:HA	13	0.27
(2,1968)	1:42:A:GLU:HG3	1:42:A:GLU:HA	15	0.27
(2,1968)	1:42:A:GLU:HG3	1:42:A:GLU:HA	18	0.27
(2,1902)	1:38:A:LYS:HE3	1:38:A:LYS:HG2	16	0.27
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD11	5	0.27
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD12	5	0.27
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD13	5	0.27
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD11	10	0.27
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD12	10	0.27
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD13	10	0.27
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD11	20	0.27
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD12	20	0.27
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD13	20	0.27
(2,1825)	1:148:A:ARG:HE	1:149:A:GLN:HG2	5	0.27
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG11	4	0.27
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG12	4	0.27
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG13	4	0.27
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG11	4	0.27
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG12	4	0.27
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG13	4	0.27
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG11	4	0.27
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG12	4	0.27
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG13	4	0.27
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG11	4	0.27
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG12	4	0.27
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG13	4	0.27
(2,1649)	1:24:A:LYS:H	1:24:A:LYS:HD2	5	0.27
(2,1649)	1:24:A:LYS:H	1:24:A:LYS:HD2	7	0.27
(2,1634)	1:25:A:GLN:HE21	1:162:A:LYS:HG3	10	0.27
(2,1534)	1:20:A:LYS:HA	1:20:A:LYS:HD2	20	0.27
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD11	7	0.27
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD12	7	0.27
(2,1523)	1:48:A:ASP:H	1:50:A:LEU:HD13	7	0.27
(2,1521)	1:5:A:GLY:H	1:50:A:LEU:HD11	8	0.27
(2,1521)	1:5:A:GLY:H	1:50:A:LEU:HD12	8	0.27
(2,1521)	1:5:A:GLY:H	1:50:A:LEU:HD13	8	0.27
(2,1520)	1:78:A:PHE:HD1	1:81:A:LYS:HG3	8	0.27
(2,1520)	1:78:A:PHE:HD2	1:81:A:LYS:HG3	8	0.27
(2,1511)	1:24:A:LYS:HE2	1:24:A:LYS:HB2	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1458)	1:71:A:PRO:HD2	1:68:A:ASP:HA	2	0.27
(2,1458)	1:71:A:PRO:HD2	1:68:A:ASP:HA	14	0.27
(2,1429)	1:55:A:PRO:HB2	1:15:A:THR:HB	11	0.27
(2,1337)	1:50:A:LEU:HA	1:6:A:ILE:HA	20	0.27
(2,1162)	1:167:A:GLU:HG3	1:167:A:GLU:HA	7	0.27
(2,1162)	1:167:A:GLU:HG3	1:167:A:GLU:HA	11	0.27
(2,1096)	1:164:A:ILE:HG21	1:161:A:VAL:HA	12	0.27
(2,1096)	1:164:A:ILE:HG22	1:161:A:VAL:HA	12	0.27
(2,1096)	1:164:A:ILE:HG23	1:161:A:VAL:HA	12	0.27
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG11	7	0.27
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG12	7	0.27
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG13	7	0.27
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG11	7	0.27
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG12	7	0.27
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG13	7	0.27
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG11	7	0.27
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG12	7	0.27
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG13	7	0.27
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD21	14	0.27
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD22	14	0.27
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD23	14	0.27
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD21	14	0.27
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD22	14	0.27
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD23	14	0.27
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD21	14	0.27
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD22	14	0.27
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD23	14	0.27
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD11	10	0.27
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD12	10	0.27
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD13	10	0.27
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD11	10	0.27
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD12	10	0.27
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD13	10	0.27
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD11	10	0.27
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD12	10	0.27
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD13	10	0.27
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD11	4	0.27
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD12	4	0.27
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD13	4	0.27
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD11	4	0.27
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD12	4	0.27
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD13	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD11	4	0.27
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD12	4	0.27
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD13	4	0.27
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD11	16	0.27
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD12	16	0.27
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD13	16	0.27
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD11	16	0.27
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD12	16	0.27
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD13	16	0.27
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD11	16	0.27
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD12	16	0.27
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD13	16	0.27
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG21	9	0.27
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG22	9	0.27
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG23	9	0.27
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG21	14	0.27
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG22	14	0.27
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG23	14	0.27
(2,753)	1:128:A:GLU:HA	1:128:A:GLU:HG2	20	0.27
(2,748)	1:155:A:GLU:HA	1:158:A:GLU:HG3	5	0.27
(2,736)	1:167:A:GLU:HA	1:167:A:GLU:HG3	7	0.27
(2,736)	1:167:A:GLU:HA	1:167:A:GLU:HG3	11	0.27
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD11	3	0.27
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD12	3	0.27
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD13	3	0.27
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD11	3	0.27
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD12	3	0.27
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD13	3	0.27
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG11	10	0.27
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG12	10	0.27
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG13	10	0.27
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD11	9	0.27
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD12	9	0.27
(2,569)	1:139:A:PHE:HD1	1:133:A:LEU:HD13	9	0.27
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD11	9	0.27
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD12	9	0.27
(2,569)	1:139:A:PHE:HD2	1:133:A:LEU:HD13	9	0.27
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD11	14	0.27
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD12	14	0.27
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD13	14	0.27
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD11	14	0.27
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD12	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD13	14	0.27
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD21	7	0.27
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD22	7	0.27
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD23	7	0.27
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD21	7	0.27
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD22	7	0.27
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD23	7	0.27
(2,501)	1:78:A:PHE:HE1	1:44:A:LEU:HD21	12	0.27
(2,501)	1:78:A:PHE:HE1	1:44:A:LEU:HD22	12	0.27
(2,501)	1:78:A:PHE:HE1	1:44:A:LEU:HD23	12	0.27
(2,501)	1:78:A:PHE:HE2	1:44:A:LEU:HD21	12	0.27
(2,501)	1:78:A:PHE:HE2	1:44:A:LEU:HD22	12	0.27
(2,501)	1:78:A:PHE:HE2	1:44:A:LEU:HD23	12	0.27
(2,453)	1:158:A:GLU:H	1:155:A:GLU:HB2	8	0.27
(2,417)	1:158:A:GLU:H	1:158:A:GLU:HG2	7	0.27
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD1	1	0.27
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD2	1	0.27
(2,84)	1:159:A:LYS:HG3	1:120:A:TRP:HH2	16	0.27
(3,658)	1:170:A:LEU:HB3	1:166:A:GLU:H	5	0.26
(3,611)	1:148:A:ARG:HB2	1:146:A:GLU:H	5	0.26
(3,509)	1:127:A:PHE:HB3	1:98:A:PHE:H	15	0.26
(3,453)	1:41:A:LYS:HD2	1:77:A:ASP:H	3	0.26
(3,400)	1:3:A:ILE:HG12	1:48:A:ASP:H	20	0.26
(3,119)	1:41:A:LYS:HB2	1:44:A:LEU:HD21	18	0.26
(3,119)	1:41:A:LYS:HB2	1:44:A:LEU:HD22	18	0.26
(3,119)	1:41:A:LYS:HB2	1:44:A:LEU:HD23	18	0.26
(2,5371)	1:28:A:LYS:HD2	1:23:A:GLN:HE21	16	0.26
(2,5349)	1:174:A:LEU:HG	1:175:A:ASN:HD21	14	0.26
(2,5334)	1:172:A:GLU:HB2	1:174:A:LEU:H	18	0.26
(2,5301)	1:164:A:ILE:HD11	1:168:A:LEU:H	8	0.26
(2,5301)	1:164:A:ILE:HD12	1:168:A:LEU:H	8	0.26
(2,5301)	1:164:A:ILE:HD13	1:168:A:LEU:H	8	0.26
(2,5257)	1:162:A:LYS:HG2	1:162:A:LYS:H	1	0.26
(2,5257)	1:162:A:LYS:HG2	1:162:A:LYS:H	14	0.26
(2,5245)	1:142:A:LEU:HD11	1:160:A:TRP:H	8	0.26
(2,5245)	1:142:A:LEU:HD12	1:160:A:TRP:H	8	0.26
(2,5245)	1:142:A:LEU:HD13	1:160:A:TRP:H	8	0.26
(2,5243)	1:161:A:VAL:HB	1:160:A:TRP:H	1	0.26
(2,5243)	1:161:A:VAL:HB	1:160:A:TRP:H	9	0.26
(2,5243)	1:161:A:VAL:HB	1:160:A:TRP:H	18	0.26
(2,5243)	1:161:A:VAL:HB	1:160:A:TRP:H	19	0.26
(2,5200)	1:155:A:GLU:HG2	1:155:A:GLU:H	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5102)	1:133:A:LEU:HD11	1:138:A:HIS:H	5	0.26
(2,5102)	1:133:A:LEU:HD12	1:138:A:HIS:H	5	0.26
(2,5102)	1:133:A:LEU:HD13	1:138:A:HIS:H	5	0.26
(2,5100)	1:133:A:LEU:HB2	1:138:A:HIS:H	7	0.26
(2,5052)	1:96:A:GLU:HG2	1:129:A:ALA:H	18	0.26
(2,4901)	1:128:A:GLU:HB2	1:98:A:PHE:H	18	0.26
(2,4576)	1:44:A:LEU:HD11	1:40:A:SER:H	5	0.26
(2,4576)	1:44:A:LEU:HD12	1:40:A:SER:H	5	0.26
(2,4576)	1:44:A:LEU:HD13	1:40:A:SER:H	5	0.26
(2,4455)	1:22:A:ILE:HG12	1:22:A:ILE:H	13	0.26
(2,4255)	1:79:A:ASN:HD22	1:79:A:ASN:H	7	0.26
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD21	2	0.26
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD22	2	0.26
(2,3997)	1:30:A:VAL:HG11	1:3:A:ILE:H	2	0.26
(2,3997)	1:30:A:VAL:HG12	1:3:A:ILE:H	2	0.26
(2,3997)	1:30:A:VAL:HG13	1:3:A:ILE:H	2	0.26
(2,3983)	1:157:A:VAL:HG11	1:157:A:VAL:H	14	0.26
(2,3983)	1:157:A:VAL:HG12	1:157:A:VAL:H	14	0.26
(2,3983)	1:157:A:VAL:HG13	1:157:A:VAL:H	14	0.26
(2,3983)	1:157:A:VAL:HG11	1:157:A:VAL:H	20	0.26
(2,3983)	1:157:A:VAL:HG12	1:157:A:VAL:H	20	0.26
(2,3983)	1:157:A:VAL:HG13	1:157:A:VAL:H	20	0.26
(2,3903)	1:158:A:GLU:HG3	1:159:A:LYS:H	14	0.26
(2,3858)	1:173:A:ILE:HD11	1:173:A:ILE:H	15	0.26
(2,3858)	1:173:A:ILE:HD12	1:173:A:ILE:H	15	0.26
(2,3858)	1:173:A:ILE:HD13	1:173:A:ILE:H	15	0.26
(2,3806)	1:67:A:ASP:HB2	1:63:A:GLN:H	16	0.26
(2,3788)	1:164:A:ILE:HA	1:167:A:GLU:H	10	0.26
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	7	0.26
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	7	0.26
(2,3697)	1:30:A:VAL:HG11	1:31:A:ALA:H	18	0.26
(2,3697)	1:30:A:VAL:HG12	1:31:A:ALA:H	18	0.26
(2,3697)	1:30:A:VAL:HG13	1:31:A:ALA:H	18	0.26
(2,3679)	1:52:A:LEU:HB3	1:52:A:LEU:H	2	0.26
(2,3679)	1:52:A:LEU:HB3	1:52:A:LEU:H	6	0.26
(2,3679)	1:52:A:LEU:HB3	1:52:A:LEU:H	19	0.26
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD11	17	0.26
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD12	17	0.26
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD13	17	0.26
(2,3506)	1:165:A:SER:HB2	1:170:A:LEU:HD11	13	0.26
(2,3506)	1:165:A:SER:HB2	1:170:A:LEU:HD12	13	0.26
(2,3506)	1:165:A:SER:HB2	1:170:A:LEU:HD13	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3472)	1:167:A:GLU:HB2	1:167:A:GLU:HA	16	0.26
(2,3429)	1:155:A:GLU:HG2	1:159:A:LYS:HE2	14	0.26
(2,3428)	1:155:A:GLU:HB2	1:159:A:LYS:HE2	5	0.26
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG11	7	0.26
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG12	7	0.26
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG13	7	0.26
(2,3357)	1:142:A:LEU:HD11	1:160:A:TRP:HB2	1	0.26
(2,3357)	1:142:A:LEU:HD12	1:160:A:TRP:HB2	1	0.26
(2,3357)	1:142:A:LEU:HD13	1:160:A:TRP:HB2	1	0.26
(2,3346)	1:159:A:LYS:HE2	1:159:A:LYS:HD2	1	0.26
(2,3346)	1:159:A:LYS:HE2	1:159:A:LYS:HD2	2	0.26
(2,3346)	1:159:A:LYS:HE2	1:159:A:LYS:HD2	6	0.26
(2,3346)	1:159:A:LYS:HE2	1:159:A:LYS:HD2	7	0.26
(2,3346)	1:159:A:LYS:HE2	1:159:A:LYS:HD2	9	0.26
(2,3346)	1:159:A:LYS:HE2	1:159:A:LYS:HD2	10	0.26
(2,3346)	1:159:A:LYS:HE2	1:159:A:LYS:HD2	12	0.26
(2,3346)	1:159:A:LYS:HE2	1:159:A:LYS:HD2	18	0.26
(2,3346)	1:159:A:LYS:HE2	1:159:A:LYS:HD2	19	0.26
(2,3306)	1:152:A:LEU:HG	1:151:A:GLU:HG3	11	0.26
(2,3168)	1:138:A:HIS:H	1:133:A:LEU:HD11	5	0.26
(2,3168)	1:138:A:HIS:H	1:133:A:LEU:HD12	5	0.26
(2,3168)	1:138:A:HIS:H	1:133:A:LEU:HD13	5	0.26
(2,3142)	1:38:A:LYS:HG2	1:38:A:LYS:HB2	20	0.26
(2,3059)	1:120:A:TRP:H	1:121:A:PRO:HD3	5	0.26
(2,3059)	1:120:A:TRP:H	1:121:A:PRO:HD3	18	0.26
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG21	7	0.26
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG22	7	0.26
(2,2994)	1:82:A:LEU:HB3	1:115:A:THR:HG23	7	0.26
(2,2985)	1:163:A:GLN:HG2	1:160:A:TRP:HA	12	0.26
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD11	1	0.26
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD12	1	0.26
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD13	1	0.26
(2,2541)	1:117:A:VAL:HG21	1:82:A:LEU:HA	18	0.26
(2,2541)	1:117:A:VAL:HG22	1:82:A:LEU:HA	18	0.26
(2,2541)	1:117:A:VAL:HG23	1:82:A:LEU:HA	18	0.26
(2,2510)	1:113:A:GLY:HA2	1:79:A:ASN:HA	3	0.26
(2,2510)	1:113:A:GLY:HA2	1:79:A:ASN:HA	20	0.26
(2,2460)	1:162:A:LYS:HE2	1:158:A:GLU:HG3	6	0.26
(2,2454)	1:174:A:LEU:H	1:172:A:GLU:HB2	18	0.26
(2,2442)	1:74:A:GLU:HG3	1:74:A:GLU:HA	4	0.26
(2,2442)	1:74:A:GLU:HG3	1:74:A:GLU:HA	6	0.26
(2,2442)	1:74:A:GLU:HG3	1:74:A:GLU:HA	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2442)	1:74:A:GLU:HG3	1:74:A:GLU:HA	12	0.26
(2,2442)	1:74:A:GLU:HG3	1:74:A:GLU:HA	13	0.26
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD21	4	0.26
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD22	4	0.26
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD23	4	0.26
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD21	4	0.26
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD22	4	0.26
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD23	4	0.26
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD21	4	0.26
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD22	4	0.26
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD23	4	0.26
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD21	1	0.26
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD22	1	0.26
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD23	1	0.26
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD21	15	0.26
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD22	15	0.26
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD23	15	0.26
(2,2365)	1:76:A:ILE:HA	1:75:A:GLU:HA	2	0.26
(2,2365)	1:76:A:ILE:HA	1:75:A:GLU:HA	7	0.26
(2,2365)	1:76:A:ILE:HA	1:75:A:GLU:HA	9	0.26
(2,2365)	1:76:A:ILE:HA	1:75:A:GLU:HA	20	0.26
(2,2332)	1:156:A:ARG:HD2	1:156:A:ARG:HA	10	0.26
(2,2298)	1:41:A:LYS:HE3	1:75:A:GLU:HG3	6	0.26
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD11	7	0.26
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD12	7	0.26
(2,2213)	1:53:A:GLY:H	1:85:A:LEU:HD13	7	0.26
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD11	3	0.26
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD12	3	0.26
(2,2190)	1:86:A:PHE:HD1	1:51:A:LEU:HD13	3	0.26
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD11	3	0.26
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD12	3	0.26
(2,2190)	1:86:A:PHE:HD2	1:51:A:LEU:HD13	3	0.26
(2,2184)	1:48:A:ASP:HA	1:81:A:LYS:HD2	11	0.26
(2,2165)	1:86:A:PHE:HD1	1:51:A:LEU:HB3	16	0.26
(2,2165)	1:86:A:PHE:HD2	1:51:A:LEU:HB3	16	0.26
(2,2040)	1:73:A:LEU:HB2	1:44:A:LEU:HD21	7	0.26
(2,2040)	1:73:A:LEU:HB2	1:44:A:LEU:HD22	7	0.26
(2,2040)	1:73:A:LEU:HB2	1:44:A:LEU:HD23	7	0.26
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD21	6	0.26
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD22	6	0.26
(2,2037)	1:50:A:LEU:HD21	1:44:A:LEU:HD23	6	0.26
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD21	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD22	6	0.26
(2,2037)	1:50:A:LEU:HD22	1:44:A:LEU:HD23	6	0.26
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD21	6	0.26
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD22	6	0.26
(2,2037)	1:50:A:LEU:HD23	1:44:A:LEU:HD23	6	0.26
(2,2035)	1:40:A:SER:H	1:44:A:LEU:HD11	5	0.26
(2,2035)	1:40:A:SER:H	1:44:A:LEU:HD12	5	0.26
(2,2035)	1:40:A:SER:H	1:44:A:LEU:HD13	5	0.26
(2,1975)	1:159:A:LYS:H	1:158:A:GLU:HG3	14	0.26
(2,1968)	1:42:A:GLU:HG3	1:42:A:GLU:HA	7	0.26
(2,1968)	1:42:A:GLU:HG3	1:42:A:GLU:HA	14	0.26
(2,1968)	1:42:A:GLU:HG3	1:42:A:GLU:HA	17	0.26
(2,1945)	1:44:A:LEU:HD11	1:41:A:LYS:HA	12	0.26
(2,1945)	1:44:A:LEU:HD12	1:41:A:LYS:HA	12	0.26
(2,1945)	1:44:A:LEU:HD13	1:41:A:LYS:HA	12	0.26
(2,1903)	1:38:A:LYS:HB2	1:38:A:LYS:HG2	20	0.26
(2,1902)	1:38:A:LYS:HE3	1:38:A:LYS:HG2	18	0.26
(2,1902)	1:38:A:LYS:HE3	1:38:A:LYS:HG2	20	0.26
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG21	14	0.26
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG22	14	0.26
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG23	14	0.26
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG21	20	0.26
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG22	20	0.26
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG23	20	0.26
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG21	3	0.26
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG22	3	0.26
(2,1816)	1:23:A:GLN:HG2	1:33:A:VAL:HG23	3	0.26
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG11	4	0.26
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG12	4	0.26
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG13	4	0.26
(2,1752)	1:6:A:ILE:HD11	1:23:A:GLN:HG2	19	0.26
(2,1752)	1:6:A:ILE:HD12	1:23:A:GLN:HG2	19	0.26
(2,1752)	1:6:A:ILE:HD13	1:23:A:GLN:HG2	19	0.26
(2,1729)	1:28:A:LYS:HD2	1:28:A:LYS:HG3	20	0.26
(2,1728)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	2	0.26
(2,1728)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	3	0.26
(2,1728)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	4	0.26
(2,1728)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	8	0.26
(2,1728)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	9	0.26
(2,1728)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	11	0.26
(2,1728)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	12	0.26
(2,1728)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1728)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	15	0.26
(2,1728)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	17	0.26
(2,1728)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	18	0.26
(2,1728)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	19	0.26
(2,1728)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	20	0.26
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD11	20	0.26
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD12	20	0.26
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD13	20	0.26
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD11	20	0.26
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD12	20	0.26
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD13	20	0.26
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD11	20	0.26
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD12	20	0.26
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD13	20	0.26
(2,1678)	1:174:A:LEU:HB3	1:26:A:LEU:HA	4	0.26
(2,1675)	1:22:A:ILE:HA	1:25:A:GLN:HG2	2	0.26
(2,1675)	1:22:A:ILE:HA	1:25:A:GLN:HG2	7	0.26
(2,1671)	1:155:A:GLU:HG2	1:155:A:GLU:HB2	1	0.26
(2,1671)	1:155:A:GLU:HG2	1:155:A:GLU:HB2	14	0.26
(2,1645)	1:24:A:LYS:HE2	1:24:A:LYS:HD2	1	0.26
(2,1645)	1:24:A:LYS:HE2	1:24:A:LYS:HD2	4	0.26
(2,1645)	1:24:A:LYS:HE2	1:24:A:LYS:HD2	8	0.26
(2,1645)	1:24:A:LYS:HE2	1:24:A:LYS:HD2	9	0.26
(2,1645)	1:24:A:LYS:HE2	1:24:A:LYS:HD2	10	0.26
(2,1645)	1:24:A:LYS:HE2	1:24:A:LYS:HD2	13	0.26
(2,1645)	1:24:A:LYS:HE2	1:24:A:LYS:HD2	15	0.26
(2,1645)	1:24:A:LYS:HE2	1:24:A:LYS:HD2	17	0.26
(2,1645)	1:24:A:LYS:HE2	1:24:A:LYS:HD2	18	0.26
(2,1645)	1:24:A:LYS:HE2	1:24:A:LYS:HD2	19	0.26
(2,1644)	1:162:A:LYS:HE2	1:162:A:LYS:HD2	2	0.26
(2,1644)	1:162:A:LYS:HE2	1:162:A:LYS:HD2	3	0.26
(2,1644)	1:162:A:LYS:HE2	1:162:A:LYS:HD2	4	0.26
(2,1644)	1:162:A:LYS:HE2	1:162:A:LYS:HD2	6	0.26
(2,1644)	1:162:A:LYS:HE2	1:162:A:LYS:HD2	7	0.26
(2,1644)	1:162:A:LYS:HE2	1:162:A:LYS:HD2	8	0.26
(2,1644)	1:162:A:LYS:HE2	1:162:A:LYS:HD2	10	0.26
(2,1644)	1:162:A:LYS:HE2	1:162:A:LYS:HD2	11	0.26
(2,1644)	1:162:A:LYS:HE2	1:162:A:LYS:HD2	13	0.26
(2,1644)	1:162:A:LYS:HE2	1:162:A:LYS:HD2	14	0.26
(2,1644)	1:162:A:LYS:HE2	1:162:A:LYS:HD2	17	0.26
(2,1641)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	2	0.26
(2,1641)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1641)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	4	0.26
(2,1641)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	8	0.26
(2,1641)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	9	0.26
(2,1641)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	11	0.26
(2,1641)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	12	0.26
(2,1641)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	14	0.26
(2,1641)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	15	0.26
(2,1641)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	17	0.26
(2,1641)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	18	0.26
(2,1641)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	19	0.26
(2,1641)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	20	0.26
(2,1520)	1:78:A:PHE:HD1	1:81:A:LYS:HG3	9	0.26
(2,1520)	1:78:A:PHE:HD2	1:81:A:LYS:HG3	9	0.26
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD11	11	0.26
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD12	11	0.26
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD13	11	0.26
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD11	14	0.26
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD12	14	0.26
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD13	14	0.26
(2,1465)	1:18:A:ILE:HD11	1:17:A:ASN:HB2	11	0.26
(2,1465)	1:18:A:ILE:HD12	1:17:A:ASN:HB2	11	0.26
(2,1465)	1:18:A:ILE:HD13	1:17:A:ASN:HB2	11	0.26
(2,1465)	1:18:A:ILE:HD11	1:17:A:ASN:HB2	14	0.26
(2,1465)	1:18:A:ILE:HD12	1:17:A:ASN:HB2	14	0.26
(2,1465)	1:18:A:ILE:HD13	1:17:A:ASN:HB2	14	0.26
(2,1231)	1:41:A:LYS:HD2	1:41:A:LYS:HE2	2	0.26
(2,1231)	1:41:A:LYS:HD2	1:41:A:LYS:HE2	4	0.26
(2,1231)	1:41:A:LYS:HD2	1:41:A:LYS:HE2	5	0.26
(2,1231)	1:41:A:LYS:HD2	1:41:A:LYS:HE2	6	0.26
(2,1231)	1:41:A:LYS:HD2	1:41:A:LYS:HE2	8	0.26
(2,1231)	1:41:A:LYS:HD2	1:41:A:LYS:HE2	11	0.26
(2,1231)	1:41:A:LYS:HD2	1:41:A:LYS:HE2	12	0.26
(2,1231)	1:41:A:LYS:HD2	1:41:A:LYS:HE2	13	0.26
(2,1231)	1:41:A:LYS:HD2	1:41:A:LYS:HE2	14	0.26
(2,1231)	1:41:A:LYS:HD2	1:41:A:LYS:HE2	15	0.26
(2,1231)	1:41:A:LYS:HD2	1:41:A:LYS:HE2	16	0.26
(2,1231)	1:41:A:LYS:HD2	1:41:A:LYS:HE2	19	0.26
(2,1231)	1:41:A:LYS:HD2	1:41:A:LYS:HE2	20	0.26
(2,1223)	1:162:A:LYS:HD2	1:162:A:LYS:HE2	2	0.26
(2,1223)	1:162:A:LYS:HD2	1:162:A:LYS:HE2	3	0.26
(2,1223)	1:162:A:LYS:HD2	1:162:A:LYS:HE2	4	0.26
(2,1223)	1:162:A:LYS:HD2	1:162:A:LYS:HE2	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1223)	1:162:A:LYS:HD2	1:162:A:LYS:HE2	7	0.26
(2,1223)	1:162:A:LYS:HD2	1:162:A:LYS:HE2	8	0.26
(2,1223)	1:162:A:LYS:HD2	1:162:A:LYS:HE2	10	0.26
(2,1223)	1:162:A:LYS:HD2	1:162:A:LYS:HE2	11	0.26
(2,1223)	1:162:A:LYS:HD2	1:162:A:LYS:HE2	13	0.26
(2,1223)	1:162:A:LYS:HD2	1:162:A:LYS:HE2	14	0.26
(2,1223)	1:162:A:LYS:HD2	1:162:A:LYS:HE2	17	0.26
(2,1209)	1:82:A:LEU:HD21	1:168:A:LEU:HA	12	0.26
(2,1209)	1:82:A:LEU:HD22	1:168:A:LEU:HA	12	0.26
(2,1209)	1:82:A:LEU:HD23	1:168:A:LEU:HA	12	0.26
(2,1175)	1:24:A:LYS:HB2	1:24:A:LYS:HA	4	0.26
(2,1172)	1:23:A:GLN:HB3	1:23:A:GLN:HA	16	0.26
(2,1162)	1:167:A:GLU:HG3	1:167:A:GLU:HA	19	0.26
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD21	7	0.26
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD22	7	0.26
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD23	7	0.26
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD21	7	0.26
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD22	7	0.26
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD23	7	0.26
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD21	7	0.26
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD22	7	0.26
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD23	7	0.26
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD11	14	0.26
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD12	14	0.26
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD13	14	0.26
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD11	14	0.26
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD12	14	0.26
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD13	14	0.26
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD11	14	0.26
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD12	14	0.26
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD13	14	0.26
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD11	20	0.26
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD12	20	0.26
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD13	20	0.26
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD11	20	0.26
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD12	20	0.26
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD13	20	0.26
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD11	20	0.26
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD12	20	0.26
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD13	20	0.26
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG21	19	0.26
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG22	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG23	19	0.26
(2,966)	1:156:A:ARG:HB2	1:142:A:LEU:HD11	16	0.26
(2,966)	1:156:A:ARG:HB2	1:142:A:LEU:HD12	16	0.26
(2,966)	1:156:A:ARG:HB2	1:142:A:LEU:HD13	16	0.26
(2,850)	1:171:A:ASP:HA	1:174:A:LEU:HD21	4	0.26
(2,850)	1:171:A:ASP:HA	1:174:A:LEU:HD22	4	0.26
(2,850)	1:171:A:ASP:HA	1:174:A:LEU:HD23	4	0.26
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD11	10	0.26
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD12	10	0.26
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD13	10	0.26
(2,780)	1:173:A:ILE:HA	1:172:A:GLU:HB2	5	0.26
(2,764)	1:24:A:LYS:HA	1:24:A:LYS:HB2	4	0.26
(2,753)	1:128:A:GLU:HA	1:128:A:GLU:HG2	3	0.26
(2,752)	1:61:A:GLU:HA	1:61:A:GLU:HG2	1	0.26
(2,736)	1:167:A:GLU:HA	1:167:A:GLU:HG3	19	0.26
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD11	16	0.26
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD12	16	0.26
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD13	16	0.26
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD11	16	0.26
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD12	16	0.26
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD13	16	0.26
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD11	8	0.26
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD12	8	0.26
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD13	8	0.26
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG11	14	0.26
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG12	14	0.26
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG13	14	0.26
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG11	20	0.26
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG12	20	0.26
(2,595)	1:157:A:VAL:H	1:157:A:VAL:HG13	20	0.26
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG11	14	0.26
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG12	14	0.26
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG13	14	0.26
(2,567)	1:125:A:TYR:HD1	1:133:A:LEU:HD11	13	0.26
(2,567)	1:125:A:TYR:HD1	1:133:A:LEU:HD12	13	0.26
(2,567)	1:125:A:TYR:HD1	1:133:A:LEU:HD13	13	0.26
(2,567)	1:125:A:TYR:HD2	1:133:A:LEU:HD11	13	0.26
(2,567)	1:125:A:TYR:HD2	1:133:A:LEU:HD12	13	0.26
(2,567)	1:125:A:TYR:HD2	1:133:A:LEU:HD13	13	0.26
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG21	16	0.26
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG22	16	0.26
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG23	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,516)	1:125:A:TYR:HD1	1:133:A:LEU:HD21	11	0.26
(2,516)	1:125:A:TYR:HD1	1:133:A:LEU:HD22	11	0.26
(2,516)	1:125:A:TYR:HD1	1:133:A:LEU:HD23	11	0.26
(2,516)	1:125:A:TYR:HD2	1:133:A:LEU:HD21	11	0.26
(2,516)	1:125:A:TYR:HD2	1:133:A:LEU:HD22	11	0.26
(2,516)	1:125:A:TYR:HD2	1:133:A:LEU:HD23	11	0.26
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD21	8	0.26
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD22	8	0.26
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD23	8	0.26
(2,501)	1:78:A:PHE:HE1	1:44:A:LEU:HD21	7	0.26
(2,501)	1:78:A:PHE:HE1	1:44:A:LEU:HD22	7	0.26
(2,501)	1:78:A:PHE:HE1	1:44:A:LEU:HD23	7	0.26
(2,501)	1:78:A:PHE:HE2	1:44:A:LEU:HD21	7	0.26
(2,501)	1:78:A:PHE:HE2	1:44:A:LEU:HD22	7	0.26
(2,501)	1:78:A:PHE:HE2	1:44:A:LEU:HD23	7	0.26
(2,453)	1:158:A:GLU:H	1:155:A:GLU:HB2	11	0.26
(2,417)	1:158:A:GLU:H	1:158:A:GLU:HG2	16	0.26
(2,417)	1:158:A:GLU:H	1:158:A:GLU:HG2	19	0.26
(2,417)	1:158:A:GLU:H	1:158:A:GLU:HG2	20	0.26
(2,408)	1:17:A:ASN:HD21	1:17:A:ASN:HB2	2	0.26
(2,84)	1:159:A:LYS:HG3	1:120:A:TRP:HH2	14	0.26
(3,569)	1:91:A:GLN:HG2	1:126:A:HIS:H	8	0.25
(3,43)	1:50:A:LEU:HD11	1:5:A:GLY:HA2	9	0.25
(3,43)	1:50:A:LEU:HD12	1:5:A:GLY:HA2	9	0.25
(3,43)	1:50:A:LEU:HD13	1:5:A:GLY:HA2	9	0.25
(3,6)	1:159:A:LYS:HG3	1:120:A:TRP:HZ2	2	0.25
(2,5336)	1:170:A:LEU:HD11	1:174:A:LEU:H	7	0.25
(2,5336)	1:170:A:LEU:HD12	1:174:A:LEU:H	7	0.25
(2,5336)	1:170:A:LEU:HD13	1:174:A:LEU:H	7	0.25
(2,5336)	1:170:A:LEU:HD11	1:174:A:LEU:H	18	0.25
(2,5336)	1:170:A:LEU:HD12	1:174:A:LEU:H	18	0.25
(2,5336)	1:170:A:LEU:HD13	1:174:A:LEU:H	18	0.25
(2,5301)	1:164:A:ILE:HD11	1:168:A:LEU:H	19	0.25
(2,5301)	1:164:A:ILE:HD12	1:168:A:LEU:H	19	0.25
(2,5301)	1:164:A:ILE:HD13	1:168:A:LEU:H	19	0.25
(2,5298)	1:167:A:GLU:HB3	1:168:A:LEU:H	3	0.25
(2,5285)	1:164:A:ILE:HG12	1:166:A:GLU:H	16	0.25
(2,5257)	1:162:A:LYS:HG2	1:162:A:LYS:H	6	0.25
(2,5257)	1:162:A:LYS:HG2	1:162:A:LYS:H	8	0.25
(2,5257)	1:162:A:LYS:HG2	1:162:A:LYS:H	13	0.25
(2,5257)	1:162:A:LYS:HG2	1:162:A:LYS:H	17	0.25
(2,5245)	1:142:A:LEU:HD11	1:160:A:TRP:H	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5245)	1:142:A:LEU:HD12	1:160:A:TRP:H	10	0.25
(2,5245)	1:142:A:LEU:HD13	1:160:A:TRP:H	10	0.25
(2,5243)	1:161:A:VAL:HB	1:160:A:TRP:H	11	0.25
(2,5243)	1:161:A:VAL:HB	1:160:A:TRP:H	12	0.25
(2,5243)	1:161:A:VAL:HB	1:160:A:TRP:H	17	0.25
(2,5200)	1:155:A:GLU:HG2	1:155:A:GLU:H	15	0.25
(2,5166)	1:149:A:GLN:HG3	1:148:A:ARG:H	18	0.25
(2,5147)	1:146:A:GLU:HB3	1:145:A:ASP:H	6	0.25
(2,5145)	1:156:A:ARG:HD2	1:145:A:ASP:H	19	0.25
(2,5077)	1:133:A:LEU:HD11	1:134:A:ALA:H	16	0.25
(2,5077)	1:133:A:LEU:HD12	1:134:A:ALA:H	16	0.25
(2,5077)	1:133:A:LEU:HD13	1:134:A:ALA:H	16	0.25
(2,4921)	1:102:A:LEU:HD11	1:102:A:LEU:H	8	0.25
(2,4921)	1:102:A:LEU:HD12	1:102:A:LEU:H	8	0.25
(2,4921)	1:102:A:LEU:HD13	1:102:A:LEU:H	8	0.25
(2,4898)	1:95:A:ALA:H	1:98:A:PHE:H	10	0.25
(2,4863)	1:92:A:GLU:HG3	1:92:A:GLU:H	18	0.25
(2,4698)	1:101:A:ALA:H	1:61:A:GLU:H	5	0.25
(2,4543)	1:7:A:PHE:HB2	1:36:A:ILE:H	2	0.25
(2,4538)	1:38:A:LYS:HG2	1:35:A:ASP:H	6	0.25
(2,4538)	1:38:A:LYS:HG2	1:35:A:ASP:H	16	0.25
(2,4455)	1:22:A:ILE:HG12	1:22:A:ILE:H	3	0.25
(2,4455)	1:22:A:ILE:HG12	1:22:A:ILE:H	18	0.25
(2,4435)	1:20:A:LYS:HD2	1:19:A:ALA:H	10	0.25
(2,4365)	1:32:A:ASP:HB2	1:6:A:ILE:H	10	0.25
(2,4180)	1:102:A:LEU:HD11	1:87:A:GLY:H	16	0.25
(2,4180)	1:102:A:LEU:HD12	1:87:A:GLY:H	16	0.25
(2,4180)	1:102:A:LEU:HD13	1:87:A:GLY:H	16	0.25
(2,4146)	1:133:A:LEU:HD21	1:130:A:SER:H	4	0.25
(2,4146)	1:133:A:LEU:HD22	1:130:A:SER:H	4	0.25
(2,4146)	1:133:A:LEU:HD23	1:130:A:SER:H	4	0.25
(2,4146)	1:133:A:LEU:HD21	1:130:A:SER:H	16	0.25
(2,4146)	1:133:A:LEU:HD22	1:130:A:SER:H	16	0.25
(2,4146)	1:133:A:LEU:HD23	1:130:A:SER:H	16	0.25
(2,4079)	1:85:A:LEU:HD11	1:86:A:PHE:H	14	0.25
(2,4079)	1:85:A:LEU:HD12	1:86:A:PHE:H	14	0.25
(2,4079)	1:85:A:LEU:HD13	1:86:A:PHE:H	14	0.25
(2,4079)	1:85:A:LEU:HD11	1:86:A:PHE:H	20	0.25
(2,4079)	1:85:A:LEU:HD12	1:86:A:PHE:H	20	0.25
(2,4079)	1:85:A:LEU:HD13	1:86:A:PHE:H	20	0.25
(2,4060)	1:133:A:LEU:HD11	1:135:A:ASP:H	8	0.25
(2,4060)	1:133:A:LEU:HD12	1:135:A:ASP:H	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4060)	1:133:A:LEU:HD13	1:135:A:ASP:H	8	0.25
(2,4059)	1:133:A:LEU:HB2	1:135:A:ASP:H	11	0.25
(2,4052)	1:38:A:LYS:HD2	1:38:A:LYS:H	11	0.25
(2,3988)	1:170:A:LEU:HD11	1:170:A:LEU:H	5	0.25
(2,3988)	1:170:A:LEU:HD12	1:170:A:LEU:H	5	0.25
(2,3988)	1:170:A:LEU:HD13	1:170:A:LEU:H	5	0.25
(2,3988)	1:170:A:LEU:HD11	1:170:A:LEU:H	6	0.25
(2,3988)	1:170:A:LEU:HD12	1:170:A:LEU:H	6	0.25
(2,3988)	1:170:A:LEU:HD13	1:170:A:LEU:H	6	0.25
(2,3943)	1:157:A:VAL:HB	1:161:A:VAL:H	16	0.25
(2,3806)	1:67:A:ASP:HB2	1:63:A:GLN:H	8	0.25
(2,3801)	1:27:A:GLY:HA3	1:30:A:VAL:H	17	0.25
(2,3788)	1:164:A:ILE:HA	1:167:A:GLU:H	8	0.25
(2,3783)	1:92:A:GLU:HG3	1:93:A:ASP:H	16	0.25
(2,3751)	1:117:A:VAL:HG21	1:83:A:VAL:H	18	0.25
(2,3751)	1:117:A:VAL:HG22	1:83:A:VAL:H	18	0.25
(2,3751)	1:117:A:VAL:HG23	1:83:A:VAL:H	18	0.25
(2,3697)	1:30:A:VAL:HG11	1:31:A:ALA:H	12	0.25
(2,3697)	1:30:A:VAL:HG12	1:31:A:ALA:H	12	0.25
(2,3697)	1:30:A:VAL:HG13	1:31:A:ALA:H	12	0.25
(2,3697)	1:30:A:VAL:HG11	1:31:A:ALA:H	16	0.25
(2,3697)	1:30:A:VAL:HG12	1:31:A:ALA:H	16	0.25
(2,3697)	1:30:A:VAL:HG13	1:31:A:ALA:H	16	0.25
(2,3679)	1:52:A:LEU:HB3	1:52:A:LEU:H	1	0.25
(2,3679)	1:52:A:LEU:HB3	1:52:A:LEU:H	10	0.25
(2,3679)	1:52:A:LEU:HB3	1:52:A:LEU:H	11	0.25
(2,3679)	1:52:A:LEU:HB3	1:52:A:LEU:H	14	0.25
(2,3679)	1:52:A:LEU:HB3	1:52:A:LEU:H	16	0.25
(2,3679)	1:52:A:LEU:HB3	1:52:A:LEU:H	18	0.25
(2,3575)	1:116:A:ILE:HG12	1:116:A:ILE:H	2	0.25
(2,3575)	1:116:A:ILE:HG12	1:116:A:ILE:H	16	0.25
(2,3572)	1:116:A:ILE:HG12	1:116:A:ILE:H	2	0.25
(2,3572)	1:116:A:ILE:HG12	1:116:A:ILE:H	16	0.25
(2,3492)	1:172:A:GLU:HB2	1:169:A:HIS:HB2	18	0.25
(2,3492)	1:172:A:GLU:HB2	1:169:A:HIS:HB2	20	0.25
(2,3490)	1:172:A:GLU:HB2	1:169:A:HIS:HB3	2	0.25
(2,3472)	1:167:A:GLU:HB2	1:167:A:GLU:HA	1	0.25
(2,3472)	1:167:A:GLU:HB2	1:167:A:GLU:HA	4	0.25
(2,3472)	1:167:A:GLU:HB2	1:167:A:GLU:HA	6	0.25
(2,3472)	1:167:A:GLU:HB2	1:167:A:GLU:HA	7	0.25
(2,3472)	1:167:A:GLU:HB2	1:167:A:GLU:HA	8	0.25
(2,3472)	1:167:A:GLU:HB2	1:167:A:GLU:HA	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3472)	1:167:A:GLU:HB2	1:167:A:GLU:HA	10	0.25
(2,3472)	1:167:A:GLU:HB2	1:167:A:GLU:HA	12	0.25
(2,3472)	1:167:A:GLU:HB2	1:167:A:GLU:HA	14	0.25
(2,3472)	1:167:A:GLU:HB2	1:167:A:GLU:HA	15	0.25
(2,3472)	1:167:A:GLU:HB2	1:167:A:GLU:HA	17	0.25
(2,3472)	1:167:A:GLU:HB2	1:167:A:GLU:HA	19	0.25
(2,3472)	1:167:A:GLU:HB2	1:167:A:GLU:HA	20	0.25
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG21	2	0.25
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG22	2	0.25
(2,3381)	1:155:A:GLU:HA	1:157:A:VAL:HG23	2	0.25
(2,3346)	1:159:A:LYS:HE2	1:159:A:LYS:HD2	3	0.25
(2,3346)	1:159:A:LYS:HE2	1:159:A:LYS:HD2	4	0.25
(2,3346)	1:159:A:LYS:HE2	1:159:A:LYS:HD2	5	0.25
(2,3346)	1:159:A:LYS:HE2	1:159:A:LYS:HD2	16	0.25
(2,3344)	1:158:A:GLU:H	1:159:A:LYS:HD2	1	0.25
(2,3344)	1:158:A:GLU:H	1:159:A:LYS:HD2	9	0.25
(2,3344)	1:158:A:GLU:H	1:159:A:LYS:HD2	10	0.25
(2,3340)	1:169:A:HIS:HB3	1:172:A:GLU:HB2	2	0.25
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD11	18	0.25
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD12	18	0.25
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD13	18	0.25
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD11	2	0.25
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD12	2	0.25
(2,3172)	1:122:A:THR:HG21	1:133:A:LEU:HD13	2	0.25
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD11	2	0.25
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD12	2	0.25
(2,3172)	1:122:A:THR:HG22	1:133:A:LEU:HD13	2	0.25
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD11	2	0.25
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD12	2	0.25
(2,3172)	1:122:A:THR:HG23	1:133:A:LEU:HD13	2	0.25
(2,3142)	1:38:A:LYS:HG2	1:38:A:LYS:HB2	4	0.25
(2,3142)	1:38:A:LYS:HG2	1:38:A:LYS:HB2	5	0.25
(2,3142)	1:38:A:LYS:HG2	1:38:A:LYS:HB2	6	0.25
(2,3142)	1:38:A:LYS:HG2	1:38:A:LYS:HB2	8	0.25
(2,3142)	1:38:A:LYS:HG2	1:38:A:LYS:HB2	10	0.25
(2,3142)	1:38:A:LYS:HG2	1:38:A:LYS:HB2	14	0.25
(2,3142)	1:38:A:LYS:HG2	1:38:A:LYS:HB2	15	0.25
(2,3142)	1:38:A:LYS:HG2	1:38:A:LYS:HB2	16	0.25
(2,3142)	1:38:A:LYS:HG2	1:38:A:LYS:HB2	17	0.25
(2,3142)	1:38:A:LYS:HG2	1:38:A:LYS:HB2	18	0.25
(2,3142)	1:38:A:LYS:HG2	1:38:A:LYS:HB2	19	0.25
(2,3108)	1:128:A:GLU:HG2	1:128:A:GLU:HB3	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3108)	1:128:A:GLU:HG2	1:128:A:GLU:HB3	2	0.25
(2,3108)	1:128:A:GLU:HG2	1:128:A:GLU:HB3	3	0.25
(2,3108)	1:128:A:GLU:HG2	1:128:A:GLU:HB3	4	0.25
(2,3108)	1:128:A:GLU:HG2	1:128:A:GLU:HB3	5	0.25
(2,3108)	1:128:A:GLU:HG2	1:128:A:GLU:HB3	6	0.25
(2,3108)	1:128:A:GLU:HG2	1:128:A:GLU:HB3	7	0.25
(2,3108)	1:128:A:GLU:HG2	1:128:A:GLU:HB3	8	0.25
(2,3108)	1:128:A:GLU:HG2	1:128:A:GLU:HB3	9	0.25
(2,3108)	1:128:A:GLU:HG2	1:128:A:GLU:HB3	11	0.25
(2,3108)	1:128:A:GLU:HG2	1:128:A:GLU:HB3	13	0.25
(2,3108)	1:128:A:GLU:HG2	1:128:A:GLU:HB3	14	0.25
(2,3108)	1:128:A:GLU:HG2	1:128:A:GLU:HB3	16	0.25
(2,3108)	1:128:A:GLU:HG2	1:128:A:GLU:HB3	17	0.25
(2,3108)	1:128:A:GLU:HG2	1:128:A:GLU:HB3	18	0.25
(2,3108)	1:128:A:GLU:HG2	1:128:A:GLU:HB3	19	0.25
(2,3108)	1:128:A:GLU:HG2	1:128:A:GLU:HB3	20	0.25
(2,3107)	1:161:A:VAL:H	1:157:A:VAL:HB	16	0.25
(2,3093)	1:125:A:TYR:HD1	1:126:A:HIS:HB2	17	0.25
(2,3093)	1:125:A:TYR:HD2	1:126:A:HIS:HB2	17	0.25
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG21	2	0.25
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG22	2	0.25
(2,3072)	1:133:A:LEU:HD11	1:122:A:THR:HG23	2	0.25
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG21	2	0.25
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG22	2	0.25
(2,3072)	1:133:A:LEU:HD12	1:122:A:THR:HG23	2	0.25
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG21	2	0.25
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG22	2	0.25
(2,3072)	1:133:A:LEU:HD13	1:122:A:THR:HG23	2	0.25
(2,2965)	1:111:A:PRO:HG2	1:112:A:ARG:HD3	7	0.25
(2,2953)	1:111:A:PRO:HD2	1:112:A:ARG:HA	9	0.25
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG21	19	0.25
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG22	19	0.25
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG23	19	0.25
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG21	19	0.25
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG22	19	0.25
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG23	19	0.25
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD21	8	0.25
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD22	8	0.25
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD23	8	0.25
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD21	15	0.25
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD22	15	0.25
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD23	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2771)	1:54:A:ILE:H	1:102:A:LEU:HD21	19	0.25
(2,2771)	1:54:A:ILE:H	1:102:A:LEU:HD22	19	0.25
(2,2771)	1:54:A:ILE:H	1:102:A:LEU:HD23	19	0.25
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB1	2	0.25
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB2	2	0.25
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB3	2	0.25
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB1	2	0.25
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB2	2	0.25
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB3	2	0.25
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB1	2	0.25
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB2	2	0.25
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB3	2	0.25
(2,2564)	1:150:A:PRO:HA	1:144:A:ILE:HG12	2	0.25
(2,2442)	1:74:A:GLU:HG3	1:74:A:GLU:HA	3	0.25
(2,2442)	1:74:A:GLU:HG3	1:74:A:GLU:HA	9	0.25
(2,2442)	1:74:A:GLU:HG3	1:74:A:GLU:HA	10	0.25
(2,2442)	1:74:A:GLU:HG3	1:74:A:GLU:HA	14	0.25
(2,2442)	1:74:A:GLU:HG3	1:74:A:GLU:HA	19	0.25
(2,2431)	1:52:A:LEU:HD11	1:73:A:LEU:HB2	17	0.25
(2,2431)	1:52:A:LEU:HD12	1:73:A:LEU:HB2	17	0.25
(2,2431)	1:52:A:LEU:HD13	1:73:A:LEU:HB2	17	0.25
(2,2365)	1:76:A:ILE:HA	1:75:A:GLU:HA	16	0.25
(2,2340)	1:142:A:LEU:HD11	1:156:A:ARG:HA	18	0.25
(2,2340)	1:142:A:LEU:HD12	1:156:A:ARG:HA	18	0.25
(2,2340)	1:142:A:LEU:HD13	1:156:A:ARG:HA	18	0.25
(2,2203)	1:4:A:THR:HG21	1:51:A:LEU:HD21	19	0.25
(2,2203)	1:4:A:THR:HG21	1:51:A:LEU:HD22	19	0.25
(2,2203)	1:4:A:THR:HG21	1:51:A:LEU:HD23	19	0.25
(2,2203)	1:4:A:THR:HG22	1:51:A:LEU:HD21	19	0.25
(2,2203)	1:4:A:THR:HG22	1:51:A:LEU:HD22	19	0.25
(2,2203)	1:4:A:THR:HG22	1:51:A:LEU:HD23	19	0.25
(2,2203)	1:4:A:THR:HG23	1:51:A:LEU:HD21	19	0.25
(2,2203)	1:4:A:THR:HG23	1:51:A:LEU:HD22	19	0.25
(2,2203)	1:4:A:THR:HG23	1:51:A:LEU:HD23	19	0.25
(2,2173)	1:49:A:ILE:HG12	1:82:A:LEU:HB3	15	0.25
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG21	3	0.25
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG22	3	0.25
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG23	3	0.25
(2,2113)	1:50:A:LEU:HG	1:50:A:LEU:HA	6	0.25
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG21	2	0.25
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG22	2	0.25
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG23	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG21	2	0.25
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG22	2	0.25
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG23	2	0.25
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG21	2	0.25
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG22	2	0.25
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG23	2	0.25
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG21	5	0.25
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG22	5	0.25
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG23	5	0.25
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG21	5	0.25
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG22	5	0.25
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG23	5	0.25
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG21	5	0.25
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG22	5	0.25
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG23	5	0.25
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG21	10	0.25
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG22	10	0.25
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG23	10	0.25
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG21	10	0.25
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG22	10	0.25
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG23	10	0.25
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG21	10	0.25
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG22	10	0.25
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG23	10	0.25
(2,1970)	1:42:A:GLU:HG2	1:42:A:GLU:HB3	2	0.25
(2,1903)	1:38:A:LYS:HB2	1:38:A:LYS:HG2	4	0.25
(2,1903)	1:38:A:LYS:HB2	1:38:A:LYS:HG2	5	0.25
(2,1903)	1:38:A:LYS:HB2	1:38:A:LYS:HG2	6	0.25
(2,1903)	1:38:A:LYS:HB2	1:38:A:LYS:HG2	8	0.25
(2,1903)	1:38:A:LYS:HB2	1:38:A:LYS:HG2	10	0.25
(2,1903)	1:38:A:LYS:HB2	1:38:A:LYS:HG2	14	0.25
(2,1903)	1:38:A:LYS:HB2	1:38:A:LYS:HG2	15	0.25
(2,1903)	1:38:A:LYS:HB2	1:38:A:LYS:HG2	16	0.25
(2,1903)	1:38:A:LYS:HB2	1:38:A:LYS:HG2	17	0.25
(2,1903)	1:38:A:LYS:HB2	1:38:A:LYS:HG2	18	0.25
(2,1903)	1:38:A:LYS:HB2	1:38:A:LYS:HG2	19	0.25
(2,1902)	1:38:A:LYS:HE3	1:38:A:LYS:HG2	6	0.25
(2,1902)	1:38:A:LYS:HE3	1:38:A:LYS:HG2	9	0.25
(2,1902)	1:38:A:LYS:HE3	1:38:A:LYS:HG2	10	0.25
(2,1900)	1:35:A:ASP:H	1:38:A:LYS:HG2	6	0.25
(2,1900)	1:35:A:ASP:H	1:38:A:LYS:HG2	16	0.25
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD11	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD12	1	0.25
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD13	1	0.25
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG11	11	0.25
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG12	11	0.25
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG13	11	0.25
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG11	11	0.25
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG12	11	0.25
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG13	11	0.25
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG11	11	0.25
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG12	11	0.25
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG13	11	0.25
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG11	16	0.25
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG12	16	0.25
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG13	16	0.25
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG11	16	0.25
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG12	16	0.25
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG13	16	0.25
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG11	16	0.25
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG12	16	0.25
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG13	16	0.25
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG11	7	0.25
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG12	7	0.25
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG13	7	0.25
(2,1752)	1:6:A:ILE:HD11	1:23:A:GLN:HG2	8	0.25
(2,1752)	1:6:A:ILE:HD12	1:23:A:GLN:HG2	8	0.25
(2,1752)	1:6:A:ILE:HD13	1:23:A:GLN:HG2	8	0.25
(2,1729)	1:28:A:LYS:HD2	1:28:A:LYS:HG3	16	0.25
(2,1728)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	5	0.25
(2,1728)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	13	0.25
(2,1728)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	16	0.25
(2,1711)	1:28:A:LYS:HB2	1:28:A:LYS:HA	15	0.25
(2,1688)	1:31:A:ALA:HB1	1:26:A:LEU:HG	1	0.25
(2,1688)	1:31:A:ALA:HB2	1:26:A:LEU:HG	1	0.25
(2,1688)	1:31:A:ALA:HB3	1:26:A:LEU:HG	1	0.25
(2,1671)	1:155:A:GLU:HG2	1:155:A:GLU:HB2	18	0.25
(2,1671)	1:155:A:GLU:HG2	1:155:A:GLU:HB2	19	0.25
(2,1662)	1:66:A:TRP:HE3	1:69:A:PHE:HB2	11	0.25
(2,1649)	1:24:A:LYS:H	1:24:A:LYS:HD2	6	0.25
(2,1645)	1:24:A:LYS:HE2	1:24:A:LYS:HD2	2	0.25
(2,1645)	1:24:A:LYS:HE2	1:24:A:LYS:HD2	3	0.25
(2,1645)	1:24:A:LYS:HE2	1:24:A:LYS:HD2	11	0.25
(2,1645)	1:24:A:LYS:HE2	1:24:A:LYS:HD2	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1645)	1:24:A:LYS:HE2	1:24:A:LYS:HD2	20	0.25
(2,1644)	1:162:A:LYS:HE2	1:162:A:LYS:HD2	5	0.25
(2,1644)	1:162:A:LYS:HE2	1:162:A:LYS:HD2	9	0.25
(2,1644)	1:162:A:LYS:HE2	1:162:A:LYS:HD2	20	0.25
(2,1641)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	5	0.25
(2,1641)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	13	0.25
(2,1641)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	16	0.25
(2,1589)	1:48:A:ASP:HA	1:81:A:LYS:HD3	4	0.25
(2,1534)	1:20:A:LYS:HA	1:20:A:LYS:HD2	2	0.25
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD11	18	0.25
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD12	18	0.25
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD13	18	0.25
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD11	18	0.25
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD12	18	0.25
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD13	18	0.25
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD11	15	0.25
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD12	15	0.25
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD13	15	0.25
(2,1456)	1:107:A:ASP:HB3	1:107:A:ASP:HA	5	0.25
(2,1456)	1:107:A:ASP:HB3	1:107:A:ASP:HA	11	0.25
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG21	15	0.25
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG22	15	0.25
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG23	15	0.25
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG21	14	0.25
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG22	14	0.25
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG23	14	0.25
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG21	17	0.25
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG22	17	0.25
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG23	17	0.25
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG21	17	0.25
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG22	17	0.25
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG23	17	0.25
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG21	17	0.25
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG22	17	0.25
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG23	17	0.25
(2,1231)	1:41:A:LYS:HD2	1:41:A:LYS:HE2	3	0.25
(2,1223)	1:162:A:LYS:HD2	1:162:A:LYS:HE2	5	0.25
(2,1223)	1:162:A:LYS:HD2	1:162:A:LYS:HE2	9	0.25
(2,1223)	1:162:A:LYS:HD2	1:162:A:LYS:HE2	20	0.25
(2,1179)	1:65:A:ASP:HB2	1:65:A:ASP:HA	2	0.25
(2,1179)	1:65:A:ASP:HB2	1:65:A:ASP:HA	18	0.25
(2,1175)	1:24:A:LYS:HB2	1:24:A:LYS:HA	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1175)	1:24:A:LYS:HB2	1:24:A:LYS:HA	3	0.25
(2,1175)	1:24:A:LYS:HB2	1:24:A:LYS:HA	5	0.25
(2,1175)	1:24:A:LYS:HB2	1:24:A:LYS:HA	8	0.25
(2,1175)	1:24:A:LYS:HB2	1:24:A:LYS:HA	9	0.25
(2,1175)	1:24:A:LYS:HB2	1:24:A:LYS:HA	12	0.25
(2,1175)	1:24:A:LYS:HB2	1:24:A:LYS:HA	13	0.25
(2,1175)	1:24:A:LYS:HB2	1:24:A:LYS:HA	14	0.25
(2,1175)	1:24:A:LYS:HB2	1:24:A:LYS:HA	15	0.25
(2,1175)	1:24:A:LYS:HB2	1:24:A:LYS:HA	17	0.25
(2,1175)	1:24:A:LYS:HB2	1:24:A:LYS:HA	18	0.25
(2,1175)	1:24:A:LYS:HB2	1:24:A:LYS:HA	19	0.25
(2,1172)	1:23:A:GLN:HB3	1:23:A:GLN:HA	1	0.25
(2,1172)	1:23:A:GLN:HB3	1:23:A:GLN:HA	2	0.25
(2,1172)	1:23:A:GLN:HB3	1:23:A:GLN:HA	4	0.25
(2,1172)	1:23:A:GLN:HB3	1:23:A:GLN:HA	7	0.25
(2,1172)	1:23:A:GLN:HB3	1:23:A:GLN:HA	10	0.25
(2,1172)	1:23:A:GLN:HB3	1:23:A:GLN:HA	11	0.25
(2,1172)	1:23:A:GLN:HB3	1:23:A:GLN:HA	15	0.25
(2,1172)	1:23:A:GLN:HB3	1:23:A:GLN:HA	18	0.25
(2,1172)	1:23:A:GLN:HB3	1:23:A:GLN:HA	20	0.25
(2,1171)	1:20:A:LYS:HB2	1:20:A:LYS:HA	2	0.25
(2,1171)	1:20:A:LYS:HB2	1:20:A:LYS:HA	6	0.25
(2,1171)	1:20:A:LYS:HB2	1:20:A:LYS:HA	8	0.25
(2,1171)	1:20:A:LYS:HB2	1:20:A:LYS:HA	9	0.25
(2,1171)	1:20:A:LYS:HB2	1:20:A:LYS:HA	10	0.25
(2,1171)	1:20:A:LYS:HB2	1:20:A:LYS:HA	13	0.25
(2,1171)	1:20:A:LYS:HB2	1:20:A:LYS:HA	14	0.25
(2,1171)	1:20:A:LYS:HB2	1:20:A:LYS:HA	19	0.25
(2,1162)	1:167:A:GLU:HG3	1:167:A:GLU:HA	2	0.25
(2,1162)	1:167:A:GLU:HG3	1:167:A:GLU:HA	12	0.25
(2,1162)	1:167:A:GLU:HG3	1:167:A:GLU:HA	18	0.25
(2,1153)	1:30:A:VAL:HB	1:30:A:VAL:HA	4	0.25
(2,1153)	1:30:A:VAL:HB	1:30:A:VAL:HA	5	0.25
(2,1153)	1:30:A:VAL:HB	1:30:A:VAL:HA	10	0.25
(2,1153)	1:30:A:VAL:HB	1:30:A:VAL:HA	13	0.25
(2,1153)	1:30:A:VAL:HB	1:30:A:VAL:HA	17	0.25
(2,1130)	1:170:A:LEU:HD11	1:170:A:LEU:HA	2	0.25
(2,1130)	1:170:A:LEU:HD12	1:170:A:LEU:HA	2	0.25
(2,1130)	1:170:A:LEU:HD13	1:170:A:LEU:HA	2	0.25
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD21	15	0.25
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD22	15	0.25
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD23	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD21	15	0.25
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD22	15	0.25
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD23	15	0.25
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD21	15	0.25
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD22	15	0.25
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD23	15	0.25
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD11	6	0.25
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD12	6	0.25
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD13	6	0.25
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD11	6	0.25
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD12	6	0.25
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD13	6	0.25
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD11	6	0.25
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD12	6	0.25
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD13	6	0.25
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD11	2	0.25
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD12	2	0.25
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD13	2	0.25
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD11	2	0.25
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD12	2	0.25
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD13	2	0.25
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD11	2	0.25
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD12	2	0.25
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD13	2	0.25
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG21	12	0.25
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG22	12	0.25
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG23	12	0.25
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD11	8	0.25
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD12	8	0.25
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD13	8	0.25
(2,903)	1:127:A:PHE:HA	1:95:A:ALA:HB1	19	0.25
(2,903)	1:127:A:PHE:HA	1:95:A:ALA:HB2	19	0.25
(2,903)	1:127:A:PHE:HA	1:95:A:ALA:HB3	19	0.25
(2,766)	1:28:A:LYS:HA	1:28:A:LYS:HB2	15	0.25
(2,764)	1:24:A:LYS:HA	1:24:A:LYS:HB2	1	0.25
(2,764)	1:24:A:LYS:HA	1:24:A:LYS:HB2	3	0.25
(2,764)	1:24:A:LYS:HA	1:24:A:LYS:HB2	5	0.25
(2,764)	1:24:A:LYS:HA	1:24:A:LYS:HB2	8	0.25
(2,764)	1:24:A:LYS:HA	1:24:A:LYS:HB2	9	0.25
(2,764)	1:24:A:LYS:HA	1:24:A:LYS:HB2	12	0.25
(2,764)	1:24:A:LYS:HA	1:24:A:LYS:HB2	13	0.25
(2,764)	1:24:A:LYS:HA	1:24:A:LYS:HB2	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,764)	1:24:A:LYS:HA	1:24:A:LYS:HB2	15	0.25
(2,764)	1:24:A:LYS:HA	1:24:A:LYS:HB2	17	0.25
(2,764)	1:24:A:LYS:HA	1:24:A:LYS:HB2	18	0.25
(2,764)	1:24:A:LYS:HA	1:24:A:LYS:HB2	19	0.25
(2,753)	1:128:A:GLU:HA	1:128:A:GLU:HG2	1	0.25
(2,753)	1:128:A:GLU:HA	1:128:A:GLU:HG2	4	0.25
(2,753)	1:128:A:GLU:HA	1:128:A:GLU:HG2	5	0.25
(2,746)	1:169:A:HIS:HB2	1:172:A:GLU:HG2	16	0.25
(2,736)	1:167:A:GLU:HA	1:167:A:GLU:HG3	2	0.25
(2,736)	1:167:A:GLU:HA	1:167:A:GLU:HG3	12	0.25
(2,736)	1:167:A:GLU:HA	1:167:A:GLU:HG3	18	0.25
(2,731)	1:170:A:LEU:HA	1:173:A:ILE:HB	17	0.25
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD11	10	0.25
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD12	10	0.25
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD13	10	0.25
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG11	15	0.25
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG12	15	0.25
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG13	15	0.25
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD11	8	0.25
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD12	8	0.25
(2,566)	1:135:A:ASP:H	1:133:A:LEU:HD13	8	0.25
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD21	14	0.25
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD22	14	0.25
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD23	14	0.25
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD21	14	0.25
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD22	14	0.25
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD23	14	0.25
(2,472)	1:173:A:ILE:H	1:173:A:ILE:HG12	2	0.25
(2,472)	1:173:A:ILE:H	1:173:A:ILE:HG12	11	0.25
(2,453)	1:158:A:GLU:H	1:155:A:GLU:HB2	12	0.25
(2,197)	1:41:A:LYS:H	1:40:A:SER:HB2	20	0.25
(3,571)	1:133:A:LEU:HD11	1:127:A:PHE:H	13	0.24
(3,571)	1:133:A:LEU:HD12	1:127:A:PHE:H	13	0.24
(3,571)	1:133:A:LEU:HD13	1:127:A:PHE:H	13	0.24
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD11	18	0.24
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD12	18	0.24
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD13	18	0.24
(3,158)	1:70:A:PHE:HZ	1:73:A:LEU:HD21	15	0.24
(3,158)	1:70:A:PHE:HZ	1:73:A:LEU:HD22	15	0.24
(3,158)	1:70:A:PHE:HZ	1:73:A:LEU:HD23	15	0.24
(3,106)	1:45:A:GLU:H	1:39:A:SER:HB3	2	0.24
(2,5301)	1:164:A:ILE:HD11	1:168:A:LEU:H	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5301)	1:164:A:ILE:HD12	1:168:A:LEU:H	10	0.24
(2,5301)	1:164:A:ILE:HD13	1:168:A:LEU:H	10	0.24
(2,5257)	1:162:A:LYS:HG2	1:162:A:LYS:H	2	0.24
(2,5257)	1:162:A:LYS:HG2	1:162:A:LYS:H	3	0.24
(2,5243)	1:161:A:VAL:HB	1:160:A:TRP:H	7	0.24
(2,5243)	1:161:A:VAL:HB	1:160:A:TRP:H	10	0.24
(2,5243)	1:161:A:VAL:HB	1:160:A:TRP:H	20	0.24
(2,5163)	1:148:A:ARG:HD3	1:148:A:ARG:H	9	0.24
(2,5066)	1:133:A:LEU:HD21	1:132:A:GLY:H	19	0.24
(2,5066)	1:133:A:LEU:HD22	1:132:A:GLY:H	19	0.24
(2,5066)	1:133:A:LEU:HD23	1:132:A:GLY:H	19	0.24
(2,5065)	1:131:A:LYS:HB2	1:132:A:GLY:H	2	0.24
(2,4998)	1:116:A:ILE:HD11	1:115:A:THR:H	2	0.24
(2,4998)	1:116:A:ILE:HD12	1:115:A:THR:H	2	0.24
(2,4998)	1:116:A:ILE:HD13	1:115:A:THR:H	2	0.24
(2,4800)	1:81:A:LYS:HB3	1:81:A:LYS:H	18	0.24
(2,4789)	1:113:A:GLY:HA2	1:79:A:ASN:H	11	0.24
(2,4773)	1:75:A:GLU:HG3	1:76:A:ILE:H	14	0.24
(2,4742)	1:73:A:LEU:HD11	1:70:A:PHE:H	8	0.24
(2,4742)	1:73:A:LEU:HD12	1:70:A:PHE:H	8	0.24
(2,4742)	1:73:A:LEU:HD13	1:70:A:PHE:H	8	0.24
(2,4674)	1:102:A:LEU:HD11	1:54:A:ILE:H	3	0.24
(2,4674)	1:102:A:LEU:HD12	1:54:A:ILE:H	3	0.24
(2,4674)	1:102:A:LEU:HD13	1:54:A:ILE:H	3	0.24
(2,4613)	1:44:A:LEU:HD11	1:45:A:GLU:H	13	0.24
(2,4613)	1:44:A:LEU:HD12	1:45:A:GLU:H	13	0.24
(2,4613)	1:44:A:LEU:HD13	1:45:A:GLU:H	13	0.24
(2,4543)	1:7:A:PHE:HB2	1:36:A:ILE:H	7	0.24
(2,4487)	1:161:A:VAL:HB	1:25:A:GLN:HE21	20	0.24
(2,4463)	1:21:A:MET:HA	1:23:A:GLN:H	1	0.24
(2,4463)	1:21:A:MET:HA	1:23:A:GLN:H	9	0.24
(2,4455)	1:22:A:ILE:HG12	1:22:A:ILE:H	1	0.24
(2,4455)	1:22:A:ILE:HG12	1:22:A:ILE:H	14	0.24
(2,4455)	1:22:A:ILE:HG12	1:22:A:ILE:H	15	0.24
(2,4366)	1:6:A:ILE:HG12	1:6:A:ILE:H	3	0.24
(2,4365)	1:32:A:ASP:HB2	1:6:A:ILE:H	16	0.24
(2,4119)	1:59:A:TYR:HB3	1:59:A:TYR:H	12	0.24
(2,3916)	1:105:A:ILE:HG12	1:105:A:ILE:H	13	0.24
(2,3697)	1:30:A:VAL:HG11	1:31:A:ALA:H	9	0.24
(2,3697)	1:30:A:VAL:HG12	1:31:A:ALA:H	9	0.24
(2,3697)	1:30:A:VAL:HG13	1:31:A:ALA:H	9	0.24
(2,3679)	1:52:A:LEU:HB3	1:52:A:LEU:H	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3575)	1:116:A:ILE:HG12	1:116:A:ILE:H	11	0.24
(2,3575)	1:116:A:ILE:HG12	1:116:A:ILE:H	19	0.24
(2,3572)	1:116:A:ILE:HG12	1:116:A:ILE:H	11	0.24
(2,3572)	1:116:A:ILE:HG12	1:116:A:ILE:H	19	0.24
(2,3514)	1:106:A:ARG:HG3	1:107:A:ASP:HB2	1	0.24
(2,3472)	1:167:A:GLU:HB2	1:167:A:GLU:HA	2	0.24
(2,3472)	1:167:A:GLU:HB2	1:167:A:GLU:HA	3	0.24
(2,3472)	1:167:A:GLU:HB2	1:167:A:GLU:HA	5	0.24
(2,3472)	1:167:A:GLU:HB2	1:167:A:GLU:HA	11	0.24
(2,3472)	1:167:A:GLU:HB2	1:167:A:GLU:HA	13	0.24
(2,3472)	1:167:A:GLU:HB2	1:167:A:GLU:HA	18	0.24
(2,3428)	1:155:A:GLU:HB2	1:159:A:LYS:HE2	15	0.24
(2,3391)	1:159:A:LYS:HE2	1:158:A:GLU:HB2	7	0.24
(2,3391)	1:159:A:LYS:HE2	1:158:A:GLU:HB2	12	0.24
(2,3344)	1:158:A:GLU:H	1:159:A:LYS:HD2	12	0.24
(2,3342)	1:166:A:GLU:H	1:166:A:GLU:HB2	4	0.24
(2,3342)	1:166:A:GLU:H	1:166:A:GLU:HB2	13	0.24
(2,3246)	1:142:A:LEU:HA	1:142:A:LEU:HD11	8	0.24
(2,3246)	1:142:A:LEU:HA	1:142:A:LEU:HD12	8	0.24
(2,3246)	1:142:A:LEU:HA	1:142:A:LEU:HD13	8	0.24
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD11	7	0.24
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD12	7	0.24
(2,3242)	1:156:A:ARG:H	1:142:A:LEU:HD13	7	0.24
(2,3180)	1:138:A:HIS:HB2	1:134:A:ALA:HB1	2	0.24
(2,3180)	1:138:A:HIS:HB2	1:134:A:ALA:HB2	2	0.24
(2,3180)	1:138:A:HIS:HB2	1:134:A:ALA:HB3	2	0.24
(2,3142)	1:38:A:LYS:HG2	1:38:A:LYS:HB2	3	0.24
(2,3142)	1:38:A:LYS:HG2	1:38:A:LYS:HB2	7	0.24
(2,3142)	1:38:A:LYS:HG2	1:38:A:LYS:HB2	9	0.24
(2,3142)	1:38:A:LYS:HG2	1:38:A:LYS:HB2	12	0.24
(2,3142)	1:38:A:LYS:HG2	1:38:A:LYS:HB2	13	0.24
(2,3138)	1:91:A:GLN:H	1:91:A:GLN:HG3	15	0.24
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB2	16	0.24
(2,3127)	1:133:A:LEU:HB3	1:130:A:SER:HB3	16	0.24
(2,3108)	1:128:A:GLU:HG2	1:128:A:GLU:HB3	12	0.24
(2,3095)	1:125:A:TYR:HD1	1:126:A:HIS:HB3	5	0.24
(2,3095)	1:125:A:TYR:HD2	1:126:A:HIS:HB3	5	0.24
(2,3058)	1:160:A:TRP:HD1	1:121:A:PRO:HD3	8	0.24
(2,2965)	1:111:A:PRO:HG2	1:112:A:ARG:HD3	6	0.24
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG3	3	0.24
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG2	3	0.24
(2,2921)	1:110:A:GLU:HG2	1:110:A:GLU:HA	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2871)	1:74:A:GLU:HB2	1:108:A:ILE:HD11	13	0.24
(2,2871)	1:74:A:GLU:HB2	1:108:A:ILE:HD12	13	0.24
(2,2871)	1:74:A:GLU:HB2	1:108:A:ILE:HD13	13	0.24
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD21	19	0.24
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD22	19	0.24
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD23	19	0.24
(2,2708)	1:128:A:GLU:HB2	1:96:A:GLU:HG3	6	0.24
(2,2708)	1:128:A:GLU:HB2	1:96:A:GLU:HG2	6	0.24
(2,2700)	1:92:A:GLU:HA	1:95:A:ALA:HB1	5	0.24
(2,2700)	1:92:A:GLU:HA	1:95:A:ALA:HB2	5	0.24
(2,2700)	1:92:A:GLU:HA	1:95:A:ALA:HB3	5	0.24
(2,2638)	1:87:A:GLY:HA2	1:88:A:CYS:HB2	6	0.24
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB1	8	0.24
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB2	8	0.24
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB3	8	0.24
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB1	8	0.24
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB2	8	0.24
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB3	8	0.24
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB1	8	0.24
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB2	8	0.24
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB3	8	0.24
(2,2560)	1:168:A:LEU:HD21	1:82:A:LEU:HD11	5	0.24
(2,2560)	1:168:A:LEU:HD21	1:82:A:LEU:HD12	5	0.24
(2,2560)	1:168:A:LEU:HD21	1:82:A:LEU:HD13	5	0.24
(2,2560)	1:168:A:LEU:HD22	1:82:A:LEU:HD11	5	0.24
(2,2560)	1:168:A:LEU:HD22	1:82:A:LEU:HD12	5	0.24
(2,2560)	1:168:A:LEU:HD22	1:82:A:LEU:HD13	5	0.24
(2,2560)	1:168:A:LEU:HD23	1:82:A:LEU:HD11	5	0.24
(2,2560)	1:168:A:LEU:HD23	1:82:A:LEU:HD12	5	0.24
(2,2560)	1:168:A:LEU:HD23	1:82:A:LEU:HD13	5	0.24
(2,2560)	1:168:A:LEU:HD21	1:82:A:LEU:HD11	13	0.24
(2,2560)	1:168:A:LEU:HD21	1:82:A:LEU:HD12	13	0.24
(2,2560)	1:168:A:LEU:HD21	1:82:A:LEU:HD13	13	0.24
(2,2560)	1:168:A:LEU:HD22	1:82:A:LEU:HD11	13	0.24
(2,2560)	1:168:A:LEU:HD22	1:82:A:LEU:HD12	13	0.24
(2,2560)	1:168:A:LEU:HD22	1:82:A:LEU:HD13	13	0.24
(2,2560)	1:168:A:LEU:HD23	1:82:A:LEU:HD11	13	0.24
(2,2560)	1:168:A:LEU:HD23	1:82:A:LEU:HD12	13	0.24
(2,2560)	1:168:A:LEU:HD23	1:82:A:LEU:HD13	13	0.24
(2,2510)	1:113:A:GLY:HA2	1:79:A:ASN:HA	10	0.24
(2,2442)	1:74:A:GLU:HG3	1:74:A:GLU:HA	1	0.24
(2,2442)	1:74:A:GLU:HG3	1:74:A:GLU:HA	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2442)	1:74:A:GLU:HG3	1:74:A:GLU:HA	7	0.24
(2,2442)	1:74:A:GLU:HG3	1:74:A:GLU:HA	15	0.24
(2,2442)	1:74:A:GLU:HG3	1:74:A:GLU:HA	17	0.24
(2,2442)	1:74:A:GLU:HG3	1:74:A:GLU:HA	18	0.24
(2,2396)	1:111:A:PRO:HG2	1:111:A:PRO:HB3	9	0.24
(2,2396)	1:111:A:PRO:HG2	1:111:A:PRO:HB3	10	0.24
(2,2388)	1:112:A:ARG:HD2	1:111:A:PRO:HB2	4	0.24
(2,2365)	1:76:A:ILE:HA	1:75:A:GLU:HA	17	0.24
(2,2348)	1:70:A:PHE:HE1	1:66:A:TRP:HB2	4	0.24
(2,2348)	1:70:A:PHE:HE2	1:66:A:TRP:HB2	4	0.24
(2,2332)	1:156:A:ARG:HD2	1:156:A:ARG:HA	20	0.24
(2,2295)	1:76:A:ILE:H	1:75:A:GLU:HG3	14	0.24
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD11	1	0.24
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD12	1	0.24
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD13	1	0.24
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD11	1	0.24
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD12	1	0.24
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD13	1	0.24
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD11	12	0.24
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD12	12	0.24
(2,2242)	1:104:A:THR:H	1:54:A:ILE:HD13	12	0.24
(2,2130)	1:120:A:TRP:HH2	1:159:A:LYS:HG2	7	0.24
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG21	17	0.24
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG22	17	0.24
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG23	17	0.24
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG21	17	0.24
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG22	17	0.24
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG23	17	0.24
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG21	17	0.24
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG22	17	0.24
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG23	17	0.24
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD11	1	0.24
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD12	1	0.24
(2,2034)	1:41:A:LYS:H	1:44:A:LEU:HD13	1	0.24
(2,2030)	1:45:A:GLU:H	1:44:A:LEU:HD11	13	0.24
(2,2030)	1:45:A:GLU:H	1:44:A:LEU:HD12	13	0.24
(2,2030)	1:45:A:GLU:H	1:44:A:LEU:HD13	13	0.24
(2,1977)	1:43:A:ASP:H	1:42:A:GLU:HG2	9	0.24
(2,1955)	1:41:A:LYS:HE3	1:41:A:LYS:HD2	10	0.24
(2,1903)	1:38:A:LYS:HB2	1:38:A:LYS:HG2	3	0.24
(2,1903)	1:38:A:LYS:HB2	1:38:A:LYS:HG2	7	0.24
(2,1903)	1:38:A:LYS:HB2	1:38:A:LYS:HG2	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1903)	1:38:A:LYS:HB2	1:38:A:LYS:HG2	12	0.24
(2,1903)	1:38:A:LYS:HB2	1:38:A:LYS:HG2	13	0.24
(2,1902)	1:38:A:LYS:HE3	1:38:A:LYS:HG2	14	0.24
(2,1902)	1:38:A:LYS:HE3	1:38:A:LYS:HG2	15	0.24
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG21	10	0.24
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG22	10	0.24
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG23	10	0.24
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG11	2	0.24
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG12	2	0.24
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG13	2	0.24
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG11	9	0.24
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG12	9	0.24
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG13	9	0.24
(2,1729)	1:28:A:LYS:HD2	1:28:A:LYS:HG3	17	0.24
(2,1728)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	6	0.24
(2,1675)	1:22:A:ILE:HA	1:25:A:GLN:HG2	10	0.24
(2,1675)	1:22:A:ILE:HA	1:25:A:GLN:HG2	15	0.24
(2,1671)	1:155:A:GLU:HG2	1:155:A:GLU:HB2	5	0.24
(2,1671)	1:155:A:GLU:HG2	1:155:A:GLU:HB2	6	0.24
(2,1671)	1:155:A:GLU:HG2	1:155:A:GLU:HB2	7	0.24
(2,1671)	1:155:A:GLU:HG2	1:155:A:GLU:HB2	16	0.24
(2,1671)	1:155:A:GLU:HG2	1:155:A:GLU:HB2	20	0.24
(2,1662)	1:66:A:TRP:HE3	1:69:A:PHE:HB2	4	0.24
(2,1641)	1:106:A:ARG:HB2	1:106:A:ARG:HG2	6	0.24
(2,1537)	1:75:A:GLU:H	1:41:A:LYS:HE3	7	0.24
(2,1534)	1:20:A:LYS:HA	1:20:A:LYS:HD2	9	0.24
(2,1534)	1:20:A:LYS:HA	1:20:A:LYS:HD2	14	0.24
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD11	11	0.24
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD12	11	0.24
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD13	11	0.24
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD11	11	0.24
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD12	11	0.24
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD13	11	0.24
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD11	7	0.24
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD12	7	0.24
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD13	7	0.24
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD11	12	0.24
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD12	12	0.24
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD13	12	0.24
(2,1465)	1:18:A:ILE:HD11	1:17:A:ASN:HB2	12	0.24
(2,1465)	1:18:A:ILE:HD12	1:17:A:ASN:HB2	12	0.24
(2,1465)	1:18:A:ILE:HD13	1:17:A:ASN:HB2	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1456)	1:107:A:ASP:HB3	1:107:A:ASP:HA	1	0.24
(2,1456)	1:107:A:ASP:HB3	1:107:A:ASP:HA	2	0.24
(2,1456)	1:107:A:ASP:HB3	1:107:A:ASP:HA	3	0.24
(2,1456)	1:107:A:ASP:HB3	1:107:A:ASP:HA	4	0.24
(2,1456)	1:107:A:ASP:HB3	1:107:A:ASP:HA	6	0.24
(2,1456)	1:107:A:ASP:HB3	1:107:A:ASP:HA	7	0.24
(2,1456)	1:107:A:ASP:HB3	1:107:A:ASP:HA	8	0.24
(2,1456)	1:107:A:ASP:HB3	1:107:A:ASP:HA	9	0.24
(2,1456)	1:107:A:ASP:HB3	1:107:A:ASP:HA	12	0.24
(2,1456)	1:107:A:ASP:HB3	1:107:A:ASP:HA	13	0.24
(2,1456)	1:107:A:ASP:HB3	1:107:A:ASP:HA	14	0.24
(2,1456)	1:107:A:ASP:HB3	1:107:A:ASP:HA	15	0.24
(2,1456)	1:107:A:ASP:HB3	1:107:A:ASP:HA	16	0.24
(2,1456)	1:107:A:ASP:HB3	1:107:A:ASP:HA	17	0.24
(2,1456)	1:107:A:ASP:HB3	1:107:A:ASP:HA	18	0.24
(2,1456)	1:107:A:ASP:HB3	1:107:A:ASP:HA	19	0.24
(2,1456)	1:107:A:ASP:HB3	1:107:A:ASP:HA	20	0.24
(2,1353)	1:6:A:ILE:HD11	1:23:A:GLN:HB3	7	0.24
(2,1353)	1:6:A:ILE:HD12	1:23:A:GLN:HB3	7	0.24
(2,1353)	1:6:A:ILE:HD13	1:23:A:GLN:HB3	7	0.24
(2,1321)	1:49:A:ILE:HG12	1:4:A:THR:HG21	1	0.24
(2,1321)	1:49:A:ILE:HG12	1:4:A:THR:HG22	1	0.24
(2,1321)	1:49:A:ILE:HG12	1:4:A:THR:HG23	1	0.24
(2,1179)	1:65:A:ASP:HB2	1:65:A:ASP:HA	3	0.24
(2,1179)	1:65:A:ASP:HB2	1:65:A:ASP:HA	8	0.24
(2,1179)	1:65:A:ASP:HB2	1:65:A:ASP:HA	12	0.24
(2,1179)	1:65:A:ASP:HB2	1:65:A:ASP:HA	14	0.24
(2,1179)	1:65:A:ASP:HB2	1:65:A:ASP:HA	15	0.24
(2,1179)	1:65:A:ASP:HB2	1:65:A:ASP:HA	17	0.24
(2,1179)	1:65:A:ASP:HB2	1:65:A:ASP:HA	19	0.24
(2,1179)	1:65:A:ASP:HB2	1:65:A:ASP:HA	20	0.24
(2,1172)	1:23:A:GLN:HB3	1:23:A:GLN:HA	3	0.24
(2,1172)	1:23:A:GLN:HB3	1:23:A:GLN:HA	5	0.24
(2,1172)	1:23:A:GLN:HB3	1:23:A:GLN:HA	6	0.24
(2,1172)	1:23:A:GLN:HB3	1:23:A:GLN:HA	8	0.24
(2,1172)	1:23:A:GLN:HB3	1:23:A:GLN:HA	12	0.24
(2,1172)	1:23:A:GLN:HB3	1:23:A:GLN:HA	13	0.24
(2,1172)	1:23:A:GLN:HB3	1:23:A:GLN:HA	17	0.24
(2,1172)	1:23:A:GLN:HB3	1:23:A:GLN:HA	19	0.24
(2,1171)	1:20:A:LYS:HB2	1:20:A:LYS:HA	1	0.24
(2,1171)	1:20:A:LYS:HB2	1:20:A:LYS:HA	3	0.24
(2,1171)	1:20:A:LYS:HB2	1:20:A:LYS:HA	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1171)	1:20:A:LYS:HB2	1:20:A:LYS:HA	5	0.24
(2,1171)	1:20:A:LYS:HB2	1:20:A:LYS:HA	7	0.24
(2,1171)	1:20:A:LYS:HB2	1:20:A:LYS:HA	11	0.24
(2,1171)	1:20:A:LYS:HB2	1:20:A:LYS:HA	12	0.24
(2,1171)	1:20:A:LYS:HB2	1:20:A:LYS:HA	15	0.24
(2,1171)	1:20:A:LYS:HB2	1:20:A:LYS:HA	16	0.24
(2,1171)	1:20:A:LYS:HB2	1:20:A:LYS:HA	17	0.24
(2,1171)	1:20:A:LYS:HB2	1:20:A:LYS:HA	18	0.24
(2,1171)	1:20:A:LYS:HB2	1:20:A:LYS:HA	20	0.24
(2,1164)	1:45:A:GLU:HB2	1:42:A:GLU:HA	5	0.24
(2,1153)	1:30:A:VAL:HB	1:30:A:VAL:HA	1	0.24
(2,1153)	1:30:A:VAL:HB	1:30:A:VAL:HA	3	0.24
(2,1153)	1:30:A:VAL:HB	1:30:A:VAL:HA	6	0.24
(2,1153)	1:30:A:VAL:HB	1:30:A:VAL:HA	7	0.24
(2,1153)	1:30:A:VAL:HB	1:30:A:VAL:HA	8	0.24
(2,1153)	1:30:A:VAL:HB	1:30:A:VAL:HA	9	0.24
(2,1153)	1:30:A:VAL:HB	1:30:A:VAL:HA	11	0.24
(2,1153)	1:30:A:VAL:HB	1:30:A:VAL:HA	15	0.24
(2,1153)	1:30:A:VAL:HB	1:30:A:VAL:HA	16	0.24
(2,1153)	1:30:A:VAL:HB	1:30:A:VAL:HA	18	0.24
(2,1153)	1:30:A:VAL:HB	1:30:A:VAL:HA	19	0.24
(2,1153)	1:30:A:VAL:HB	1:30:A:VAL:HA	20	0.24
(2,1119)	1:117:A:VAL:HG11	1:164:A:ILE:HA	1	0.24
(2,1119)	1:117:A:VAL:HG12	1:164:A:ILE:HA	1	0.24
(2,1119)	1:117:A:VAL:HG13	1:164:A:ILE:HA	1	0.24
(2,1096)	1:164:A:ILE:HG21	1:161:A:VAL:HA	4	0.24
(2,1096)	1:164:A:ILE:HG22	1:161:A:VAL:HA	4	0.24
(2,1096)	1:164:A:ILE:HG23	1:161:A:VAL:HA	4	0.24
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD11	2	0.24
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD12	2	0.24
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD13	2	0.24
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD11	2	0.24
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD12	2	0.24
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD13	2	0.24
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD11	2	0.24
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD12	2	0.24
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD13	2	0.24
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG21	11	0.24
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG22	11	0.24
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG23	11	0.24
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG21	17	0.24
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG22	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG23	17	0.24
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB1	5	0.24
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB2	5	0.24
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB3	5	0.24
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG11	1	0.24
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG12	1	0.24
(2,932)	1:164:A:ILE:HA	1:117:A:VAL:HG13	1	0.24
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD11	6	0.24
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD12	6	0.24
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD13	6	0.24
(2,799)	1:111:A:PRO:HD3	1:111:A:PRO:HG2	2	0.24
(2,799)	1:111:A:PRO:HD3	1:111:A:PRO:HG2	10	0.24
(2,780)	1:173:A:ILE:HA	1:172:A:GLU:HB2	16	0.24
(2,752)	1:61:A:GLU:HA	1:61:A:GLU:HG2	2	0.24
(2,752)	1:61:A:GLU:HA	1:61:A:GLU:HG2	10	0.24
(2,731)	1:170:A:LEU:HA	1:173:A:ILE:HB	9	0.24
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD21	6	0.24
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD22	6	0.24
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD23	6	0.24
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD21	16	0.24
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD22	16	0.24
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD23	16	0.24
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD21	16	0.24
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD22	16	0.24
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD23	16	0.24
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD11	9	0.24
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD12	9	0.24
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD13	9	0.24
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD11	9	0.24
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD12	9	0.24
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD13	9	0.24
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD21	9	0.24
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD22	9	0.24
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD23	9	0.24
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD21	9	0.24
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD22	9	0.24
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD23	9	0.24
(2,417)	1:158:A:GLU:H	1:158:A:GLU:HG2	12	0.24
(3,689)	1:125:A:TYR:HD1	1:91:A:GLN:HE22	1	0.23
(3,689)	1:125:A:TYR:HD2	1:91:A:GLN:HE22	1	0.23
(3,569)	1:91:A:GLN:HG2	1:126:A:HIS:H	18	0.23
(3,157)	1:78:A:PHE:HD1	1:73:A:LEU:HB3	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,157)	1:78:A:PHE:HD2	1:73:A:LEU:HB3	18	0.23
(2,5346)	1:174:A:LEU:HD11	1:175:A:ASN:HD22	1	0.23
(2,5346)	1:174:A:LEU:HD12	1:175:A:ASN:HD22	1	0.23
(2,5346)	1:174:A:LEU:HD13	1:175:A:ASN:HD22	1	0.23
(2,5342)	1:171:A:ASP:HB2	1:175:A:ASN:H	15	0.23
(2,5301)	1:164:A:ILE:HD11	1:168:A:LEU:H	18	0.23
(2,5301)	1:164:A:ILE:HD12	1:168:A:LEU:H	18	0.23
(2,5301)	1:164:A:ILE:HD13	1:168:A:LEU:H	18	0.23
(2,5298)	1:167:A:GLU:HB3	1:168:A:LEU:H	14	0.23
(2,5257)	1:162:A:LYS:HG2	1:162:A:LYS:H	16	0.23
(2,5257)	1:162:A:LYS:HG2	1:162:A:LYS:H	18	0.23
(2,5243)	1:161:A:VAL:HB	1:160:A:TRP:H	3	0.23
(2,5243)	1:161:A:VAL:HB	1:160:A:TRP:H	6	0.23
(2,5243)	1:161:A:VAL:HB	1:160:A:TRP:H	14	0.23
(2,5243)	1:161:A:VAL:HB	1:160:A:TRP:H	15	0.23
(2,5243)	1:161:A:VAL:HB	1:160:A:TRP:H	16	0.23
(2,5163)	1:148:A:ARG:HD3	1:148:A:ARG:H	8	0.23
(2,5065)	1:131:A:LYS:HB2	1:132:A:GLY:H	4	0.23
(2,4980)	1:74:A:GLU:HB2	1:112:A:ARG:HE	11	0.23
(2,4776)	1:75:A:GLU:HB2	1:76:A:ILE:H	14	0.23
(2,4752)	1:74:A:GLU:HG3	1:73:A:LEU:H	17	0.23
(2,4742)	1:73:A:LEU:HD11	1:70:A:PHE:H	11	0.23
(2,4742)	1:73:A:LEU:HD12	1:70:A:PHE:H	11	0.23
(2,4742)	1:73:A:LEU:HD13	1:70:A:PHE:H	11	0.23
(2,4543)	1:7:A:PHE:HB2	1:36:A:ILE:H	19	0.23
(2,4538)	1:38:A:LYS:HG2	1:35:A:ASP:H	9	0.23
(2,4507)	1:28:A:LYS:HB2	1:30:A:VAL:H	14	0.23
(2,4455)	1:22:A:ILE:HG12	1:22:A:ILE:H	16	0.23
(2,4435)	1:20:A:LYS:HD2	1:19:A:ALA:H	15	0.23
(2,4422)	1:18:A:ILE:HD11	1:17:A:ASN:HD22	4	0.23
(2,4422)	1:18:A:ILE:HD12	1:17:A:ASN:HD22	4	0.23
(2,4422)	1:18:A:ILE:HD13	1:17:A:ASN:HD22	4	0.23
(2,4365)	1:32:A:ASP:HB2	1:6:A:ILE:H	6	0.23
(2,4146)	1:133:A:LEU:HD21	1:130:A:SER:H	9	0.23
(2,4146)	1:133:A:LEU:HD22	1:130:A:SER:H	9	0.23
(2,4146)	1:133:A:LEU:HD23	1:130:A:SER:H	9	0.23
(2,4059)	1:133:A:LEU:HB2	1:135:A:ASP:H	6	0.23
(2,4059)	1:133:A:LEU:HB2	1:135:A:ASP:H	9	0.23
(2,4059)	1:133:A:LEU:HB2	1:135:A:ASP:H	15	0.23
(2,4059)	1:133:A:LEU:HB2	1:135:A:ASP:H	17	0.23
(2,4059)	1:133:A:LEU:HB2	1:135:A:ASP:H	19	0.23
(2,3997)	1:30:A:VAL:HG11	1:3:A:ILE:H	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3997)	1:30:A:VAL:HG12	1:3:A:ILE:H	3	0.23
(2,3997)	1:30:A:VAL:HG13	1:3:A:ILE:H	3	0.23
(2,3997)	1:30:A:VAL:HG11	1:3:A:ILE:H	12	0.23
(2,3997)	1:30:A:VAL:HG12	1:3:A:ILE:H	12	0.23
(2,3997)	1:30:A:VAL:HG13	1:3:A:ILE:H	12	0.23
(2,3988)	1:170:A:LEU:HD11	1:170:A:LEU:H	3	0.23
(2,3988)	1:170:A:LEU:HD12	1:170:A:LEU:H	3	0.23
(2,3988)	1:170:A:LEU:HD13	1:170:A:LEU:H	3	0.23
(2,3988)	1:170:A:LEU:HD11	1:170:A:LEU:H	11	0.23
(2,3988)	1:170:A:LEU:HD12	1:170:A:LEU:H	11	0.23
(2,3988)	1:170:A:LEU:HD13	1:170:A:LEU:H	11	0.23
(2,3916)	1:105:A:ILE:HG12	1:105:A:ILE:H	15	0.23
(2,3916)	1:105:A:ILE:HG12	1:105:A:ILE:H	16	0.23
(2,3860)	1:139:A:PHE:HB2	1:140:A:VAL:H	8	0.23
(2,3835)	1:155:A:GLU:HG3	1:155:A:GLU:H	9	0.23
(2,3794)	1:152:A:LEU:HB3	1:156:A:ARG:H	17	0.23
(2,3788)	1:164:A:ILE:HA	1:167:A:GLU:H	1	0.23
(2,3763)	1:32:A:ASP:HB2	1:32:A:ASP:H	15	0.23
(2,3712)	1:82:A:LEU:HD21	1:117:A:VAL:H	10	0.23
(2,3712)	1:82:A:LEU:HD22	1:117:A:VAL:H	10	0.23
(2,3712)	1:82:A:LEU:HD23	1:117:A:VAL:H	10	0.23
(2,3679)	1:52:A:LEU:HB3	1:52:A:LEU:H	15	0.23
(2,3598)	1:82:A:LEU:HB3	1:82:A:LEU:H	8	0.23
(2,3581)	1:51:A:LEU:HD11	1:84:A:ALA:H	8	0.23
(2,3581)	1:51:A:LEU:HD12	1:84:A:ALA:H	8	0.23
(2,3581)	1:51:A:LEU:HD13	1:84:A:ALA:H	8	0.23
(2,3581)	1:51:A:LEU:HD11	1:84:A:ALA:H	9	0.23
(2,3581)	1:51:A:LEU:HD12	1:84:A:ALA:H	9	0.23
(2,3581)	1:51:A:LEU:HD13	1:84:A:ALA:H	9	0.23
(2,3581)	1:51:A:LEU:HD11	1:84:A:ALA:H	13	0.23
(2,3581)	1:51:A:LEU:HD12	1:84:A:ALA:H	13	0.23
(2,3581)	1:51:A:LEU:HD13	1:84:A:ALA:H	13	0.23
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD21	17	0.23
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD22	17	0.23
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD23	17	0.23
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD21	17	0.23
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD22	17	0.23
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD23	17	0.23
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD21	17	0.23
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD22	17	0.23
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD23	17	0.23
(2,3492)	1:172:A:GLU:HB2	1:169:A:HIS:HB2	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3425)	1:131:A:LYS:HB3	1:131:A:LYS:HE2	18	0.23
(2,3388)	1:112:A:ARG:HB3	1:78:A:PHE:HA	14	0.23
(2,3388)	1:112:A:ARG:HB3	1:78:A:PHE:HA	16	0.23
(2,3344)	1:158:A:GLU:H	1:159:A:LYS:HD2	2	0.23
(2,3344)	1:158:A:GLU:H	1:159:A:LYS:HD2	3	0.23
(2,3344)	1:158:A:GLU:H	1:159:A:LYS:HD2	7	0.23
(2,3344)	1:158:A:GLU:H	1:159:A:LYS:HD2	13	0.23
(2,3344)	1:158:A:GLU:H	1:159:A:LYS:HD2	14	0.23
(2,3344)	1:158:A:GLU:H	1:159:A:LYS:HD2	15	0.23
(2,3344)	1:158:A:GLU:H	1:159:A:LYS:HD2	16	0.23
(2,3344)	1:158:A:GLU:H	1:159:A:LYS:HD2	19	0.23
(2,3342)	1:166:A:GLU:H	1:166:A:GLU:HB2	9	0.23
(2,3342)	1:166:A:GLU:H	1:166:A:GLU:HB2	17	0.23
(2,3312)	1:174:A:LEU:H	1:170:A:LEU:HB3	2	0.23
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD11	11	0.23
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD12	11	0.23
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD13	11	0.23
(2,3070)	1:130:A:SER:HB2	1:122:A:THR:HG21	15	0.23
(2,3070)	1:130:A:SER:HB2	1:122:A:THR:HG22	15	0.23
(2,3070)	1:130:A:SER:HB2	1:122:A:THR:HG23	15	0.23
(2,3059)	1:120:A:TRP:H	1:121:A:PRO:HD3	13	0.23
(2,2995)	1:82:A:LEU:HD21	1:115:A:THR:HG21	15	0.23
(2,2995)	1:82:A:LEU:HD21	1:115:A:THR:HG22	15	0.23
(2,2995)	1:82:A:LEU:HD21	1:115:A:THR:HG23	15	0.23
(2,2995)	1:82:A:LEU:HD22	1:115:A:THR:HG21	15	0.23
(2,2995)	1:82:A:LEU:HD22	1:115:A:THR:HG22	15	0.23
(2,2995)	1:82:A:LEU:HD22	1:115:A:THR:HG23	15	0.23
(2,2995)	1:82:A:LEU:HD23	1:115:A:THR:HG21	15	0.23
(2,2995)	1:82:A:LEU:HD23	1:115:A:THR:HG22	15	0.23
(2,2995)	1:82:A:LEU:HD23	1:115:A:THR:HG23	15	0.23
(2,2983)	1:116:A:ILE:HD11	1:115:A:THR:HA	10	0.23
(2,2983)	1:116:A:ILE:HD12	1:115:A:THR:HA	10	0.23
(2,2983)	1:116:A:ILE:HD13	1:115:A:THR:HA	10	0.23
(2,2953)	1:111:A:PRO:HD2	1:112:A:ARG:HA	8	0.23
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD3	20	0.23
(2,2943)	1:112:A:ARG:HG3	1:111:A:PRO:HD2	20	0.23
(2,2921)	1:110:A:GLU:HG2	1:110:A:GLU:HA	8	0.23
(2,2567)	1:145:A:ASP:H	1:144:A:ILE:HG12	19	0.23
(2,2520)	1:79:A:ASN:HB2	1:113:A:GLY:HA2	18	0.23
(2,2479)	1:30:A:VAL:HG11	1:173:A:ILE:HB	7	0.23
(2,2479)	1:30:A:VAL:HG12	1:173:A:ILE:HB	7	0.23
(2,2479)	1:30:A:VAL:HG13	1:173:A:ILE:HB	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2442)	1:74:A:GLU:HG3	1:74:A:GLU:HA	5	0.23
(2,2442)	1:74:A:GLU:HG3	1:74:A:GLU:HA	16	0.23
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD21	11	0.23
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD22	11	0.23
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD23	11	0.23
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD21	11	0.23
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD22	11	0.23
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD23	11	0.23
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD21	11	0.23
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD22	11	0.23
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD23	11	0.23
(2,2396)	1:111:A:PRO:HG2	1:111:A:PRO:HB3	1	0.23
(2,2396)	1:111:A:PRO:HG2	1:111:A:PRO:HB3	2	0.23
(2,2396)	1:111:A:PRO:HG2	1:111:A:PRO:HB3	3	0.23
(2,2396)	1:111:A:PRO:HG2	1:111:A:PRO:HB3	4	0.23
(2,2396)	1:111:A:PRO:HG2	1:111:A:PRO:HB3	5	0.23
(2,2396)	1:111:A:PRO:HG2	1:111:A:PRO:HB3	6	0.23
(2,2396)	1:111:A:PRO:HG2	1:111:A:PRO:HB3	7	0.23
(2,2396)	1:111:A:PRO:HG2	1:111:A:PRO:HB3	8	0.23
(2,2396)	1:111:A:PRO:HG2	1:111:A:PRO:HB3	16	0.23
(2,2396)	1:111:A:PRO:HG2	1:111:A:PRO:HB3	18	0.23
(2,2396)	1:111:A:PRO:HG2	1:111:A:PRO:HB3	19	0.23
(2,2365)	1:76:A:ILE:HA	1:75:A:GLU:HA	1	0.23
(2,2365)	1:76:A:ILE:HA	1:75:A:GLU:HA	4	0.23
(2,2365)	1:76:A:ILE:HA	1:75:A:GLU:HA	5	0.23
(2,2365)	1:76:A:ILE:HA	1:75:A:GLU:HA	8	0.23
(2,2182)	1:6:A:ILE:HG12	1:51:A:LEU:HG	11	0.23
(2,2130)	1:120:A:TRP:HH2	1:159:A:LYS:HG2	9	0.23
(2,2113)	1:50:A:LEU:HG	1:50:A:LEU:HA	2	0.23
(2,2113)	1:50:A:LEU:HG	1:50:A:LEU:HA	20	0.23
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG21	9	0.23
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG22	9	0.23
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG23	9	0.23
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG21	9	0.23
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG22	9	0.23
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG23	9	0.23
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG21	9	0.23
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG22	9	0.23
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG23	9	0.23
(2,2036)	1:76:A:ILE:HD11	1:44:A:LEU:HD21	13	0.23
(2,2036)	1:76:A:ILE:HD11	1:44:A:LEU:HD22	13	0.23
(2,2036)	1:76:A:ILE:HD11	1:44:A:LEU:HD23	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2036)	1:76:A:ILE:HD12	1:44:A:LEU:HD21	13	0.23
(2,2036)	1:76:A:ILE:HD12	1:44:A:LEU:HD22	13	0.23
(2,2036)	1:76:A:ILE:HD12	1:44:A:LEU:HD23	13	0.23
(2,2036)	1:76:A:ILE:HD13	1:44:A:LEU:HD21	13	0.23
(2,2036)	1:76:A:ILE:HD13	1:44:A:LEU:HD22	13	0.23
(2,2036)	1:76:A:ILE:HD13	1:44:A:LEU:HD23	13	0.23
(2,2023)	1:50:A:LEU:HD21	1:44:A:LEU:HD11	20	0.23
(2,2023)	1:50:A:LEU:HD21	1:44:A:LEU:HD12	20	0.23
(2,2023)	1:50:A:LEU:HD21	1:44:A:LEU:HD13	20	0.23
(2,2023)	1:50:A:LEU:HD22	1:44:A:LEU:HD11	20	0.23
(2,2023)	1:50:A:LEU:HD22	1:44:A:LEU:HD12	20	0.23
(2,2023)	1:50:A:LEU:HD22	1:44:A:LEU:HD13	20	0.23
(2,2023)	1:50:A:LEU:HD23	1:44:A:LEU:HD11	20	0.23
(2,2023)	1:50:A:LEU:HD23	1:44:A:LEU:HD12	20	0.23
(2,2023)	1:50:A:LEU:HD23	1:44:A:LEU:HD13	20	0.23
(2,1972)	1:159:A:LYS:H	1:158:A:GLU:HG2	4	0.23
(2,1959)	1:75:A:GLU:HA	1:41:A:LYS:HE2	19	0.23
(2,1900)	1:35:A:ASP:H	1:38:A:LYS:HG2	9	0.23
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB3	16	0.23
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB2	16	0.23
(2,1688)	1:31:A:ALA:HB1	1:26:A:LEU:HG	17	0.23
(2,1688)	1:31:A:ALA:HB2	1:26:A:LEU:HG	17	0.23
(2,1688)	1:31:A:ALA:HB3	1:26:A:LEU:HG	17	0.23
(2,1671)	1:155:A:GLU:HG2	1:155:A:GLU:HB2	2	0.23
(2,1671)	1:155:A:GLU:HG2	1:155:A:GLU:HB2	3	0.23
(2,1636)	1:24:A:LYS:HE2	1:24:A:LYS:HG2	5	0.23
(2,1636)	1:24:A:LYS:HE2	1:24:A:LYS:HG2	12	0.23
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG11	3	0.23
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG12	3	0.23
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG13	3	0.23
(2,1534)	1:20:A:LYS:HA	1:20:A:LYS:HD2	12	0.23
(2,1534)	1:20:A:LYS:HA	1:20:A:LYS:HD2	17	0.23
(2,1534)	1:20:A:LYS:HA	1:20:A:LYS:HD2	18	0.23
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD11	14	0.23
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD12	14	0.23
(2,1518)	1:47:A:TYR:HD1	1:50:A:LEU:HD13	14	0.23
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD11	14	0.23
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD12	14	0.23
(2,1518)	1:47:A:TYR:HD2	1:50:A:LEU:HD13	14	0.23
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD11	17	0.23
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD12	17	0.23
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD13	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD11	10	0.23
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD12	10	0.23
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD13	10	0.23
(2,1465)	1:18:A:ILE:HD11	1:17:A:ASN:HB2	10	0.23
(2,1465)	1:18:A:ILE:HD12	1:17:A:ASN:HB2	10	0.23
(2,1465)	1:18:A:ILE:HD13	1:17:A:ASN:HB2	10	0.23
(2,1456)	1:107:A:ASP:HB3	1:107:A:ASP:HA	10	0.23
(2,1353)	1:6:A:ILE:HD11	1:23:A:GLN:HB3	2	0.23
(2,1353)	1:6:A:ILE:HD12	1:23:A:GLN:HB3	2	0.23
(2,1353)	1:6:A:ILE:HD13	1:23:A:GLN:HB3	2	0.23
(2,1353)	1:6:A:ILE:HD11	1:23:A:GLN:HB3	18	0.23
(2,1353)	1:6:A:ILE:HD12	1:23:A:GLN:HB3	18	0.23
(2,1353)	1:6:A:ILE:HD13	1:23:A:GLN:HB3	18	0.23
(2,1327)	1:2:A:ALA:HA	1:30:A:VAL:HG11	14	0.23
(2,1327)	1:2:A:ALA:HA	1:30:A:VAL:HG12	14	0.23
(2,1327)	1:2:A:ALA:HA	1:30:A:VAL:HG13	14	0.23
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG21	2	0.23
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG22	2	0.23
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG23	2	0.23
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG21	2	0.23
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG22	2	0.23
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG23	2	0.23
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG21	2	0.23
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG22	2	0.23
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG23	2	0.23
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG11	7	0.23
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG12	7	0.23
(2,1320)	1:173:A:ILE:HB	1:30:A:VAL:HG13	7	0.23
(2,1275)	1:2:A:ALA:HA	1:3:A:ILE:HG12	20	0.23
(2,1227)	1:24:A:LYS:HG2	1:24:A:LYS:HE2	5	0.23
(2,1227)	1:24:A:LYS:HG2	1:24:A:LYS:HE2	12	0.23
(2,1226)	1:38:A:LYS:HG2	1:38:A:LYS:HE3	7	0.23
(2,1194)	1:96:A:GLU:HG3	1:96:A:GLU:HA	2	0.23
(2,1194)	1:96:A:GLU:HG3	1:96:A:GLU:HA	3	0.23
(2,1194)	1:96:A:GLU:HG3	1:96:A:GLU:HA	14	0.23
(2,1179)	1:65:A:ASP:HB2	1:65:A:ASP:HA	1	0.23
(2,1179)	1:65:A:ASP:HB2	1:65:A:ASP:HA	7	0.23
(2,1179)	1:65:A:ASP:HB2	1:65:A:ASP:HA	10	0.23
(2,1179)	1:65:A:ASP:HB2	1:65:A:ASP:HA	11	0.23
(2,1179)	1:65:A:ASP:HB2	1:65:A:ASP:HA	13	0.23
(2,1178)	1:28:A:LYS:HD2	1:28:A:LYS:HA	16	0.23
(2,1172)	1:23:A:GLN:HB3	1:23:A:GLN:HA	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1172)	1:23:A:GLN:HB3	1:23:A:GLN:HA	14	0.23
(2,1162)	1:167:A:GLU:HG3	1:167:A:GLU:HA	5	0.23
(2,1153)	1:30:A:VAL:HB	1:30:A:VAL:HA	2	0.23
(2,1153)	1:30:A:VAL:HB	1:30:A:VAL:HA	12	0.23
(2,1153)	1:30:A:VAL:HB	1:30:A:VAL:HA	14	0.23
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD21	13	0.23
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD22	13	0.23
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD23	13	0.23
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD21	13	0.23
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD22	13	0.23
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD23	13	0.23
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD21	13	0.23
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD22	13	0.23
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD23	13	0.23
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD11	18	0.23
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD12	18	0.23
(2,1056)	1:44:A:LEU:HD11	1:50:A:LEU:HD13	18	0.23
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD11	18	0.23
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD12	18	0.23
(2,1056)	1:44:A:LEU:HD12	1:50:A:LEU:HD13	18	0.23
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD11	18	0.23
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD12	18	0.23
(2,1056)	1:44:A:LEU:HD13	1:50:A:LEU:HD13	18	0.23
(2,1039)	1:73:A:LEU:HB2	1:76:A:ILE:HD11	15	0.23
(2,1039)	1:73:A:LEU:HB2	1:76:A:ILE:HD12	15	0.23
(2,1039)	1:73:A:LEU:HB2	1:76:A:ILE:HD13	15	0.23
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG21	4	0.23
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG22	4	0.23
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG23	4	0.23
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG21	14	0.23
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG22	14	0.23
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG23	14	0.23
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD21	11	0.23
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD22	11	0.23
(2,836)	1:164:A:ILE:HA	1:168:A:LEU:HD23	11	0.23
(2,799)	1:111:A:PRO:HD3	1:111:A:PRO:HG2	1	0.23
(2,799)	1:111:A:PRO:HD3	1:111:A:PRO:HG2	3	0.23
(2,799)	1:111:A:PRO:HD3	1:111:A:PRO:HG2	5	0.23
(2,799)	1:111:A:PRO:HD3	1:111:A:PRO:HG2	6	0.23
(2,799)	1:111:A:PRO:HD3	1:111:A:PRO:HG2	7	0.23
(2,799)	1:111:A:PRO:HD3	1:111:A:PRO:HG2	9	0.23
(2,799)	1:111:A:PRO:HD3	1:111:A:PRO:HG2	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,799)	1:111:A:PRO:HD3	1:111:A:PRO:HG2	18	0.23
(2,791)	1:38:A:LYS:HA	1:38:A:LYS:HD3	2	0.23
(2,771)	1:111:A:PRO:HA	1:111:A:PRO:HB2	13	0.23
(2,752)	1:61:A:GLU:HA	1:61:A:GLU:HG2	6	0.23
(2,752)	1:61:A:GLU:HA	1:61:A:GLU:HG2	12	0.23
(2,752)	1:61:A:GLU:HA	1:61:A:GLU:HG2	17	0.23
(2,736)	1:167:A:GLU:HA	1:167:A:GLU:HG3	5	0.23
(2,731)	1:170:A:LEU:HA	1:173:A:ILE:HB	10	0.23
(2,731)	1:170:A:LEU:HA	1:173:A:ILE:HB	14	0.23
(2,724)	1:65:A:ASP:HA	1:68:A:ASP:HB2	19	0.23
(2,724)	1:65:A:ASP:HA	1:68:A:ASP:HB3	19	0.23
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD11	13	0.23
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD12	13	0.23
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD13	13	0.23
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD11	19	0.23
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD12	19	0.23
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD13	19	0.23
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD11	19	0.23
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD12	19	0.23
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD13	19	0.23
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD11	15	0.23
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD12	15	0.23
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD13	15	0.23
(2,472)	1:173:A:ILE:H	1:173:A:ILE:HG12	4	0.23
(2,197)	1:41:A:LYS:H	1:40:A:SER:HB2	14	0.23
(3,571)	1:133:A:LEU:HD11	1:127:A:PHE:H	16	0.22
(3,571)	1:133:A:LEU:HD12	1:127:A:PHE:H	16	0.22
(3,571)	1:133:A:LEU:HD13	1:127:A:PHE:H	16	0.22
(3,564)	1:133:A:LEU:HD11	1:122:A:THR:H	6	0.22
(3,564)	1:133:A:LEU:HD12	1:122:A:THR:H	6	0.22
(3,564)	1:133:A:LEU:HD13	1:122:A:THR:H	6	0.22
(3,522)	1:108:A:ILE:HG12	1:105:A:ILE:H	13	0.22
(3,193)	1:54:A:ILE:HD11	1:102:A:LEU:HB3	10	0.22
(3,193)	1:54:A:ILE:HD12	1:102:A:LEU:HB3	10	0.22
(3,193)	1:54:A:ILE:HD13	1:102:A:LEU:HB3	10	0.22
(3,174)	1:55:A:PRO:HB2	1:87:A:GLY:HA3	18	0.22
(3,119)	1:41:A:LYS:HB2	1:44:A:LEU:HD21	6	0.22
(3,119)	1:41:A:LYS:HB2	1:44:A:LEU:HD22	6	0.22
(3,119)	1:41:A:LYS:HB2	1:44:A:LEU:HD23	6	0.22
(2,5384)	1:171:A:ASP:HA	1:173:A:ILE:H	5	0.22
(2,5384)	1:171:A:ASP:HA	1:173:A:ILE:H	18	0.22
(2,5349)	1:174:A:LEU:HG	1:175:A:ASN:HD21	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5336)	1:170:A:LEU:HD11	1:174:A:LEU:H	16	0.22
(2,5336)	1:170:A:LEU:HD12	1:174:A:LEU:H	16	0.22
(2,5336)	1:170:A:LEU:HD13	1:174:A:LEU:H	16	0.22
(2,5298)	1:167:A:GLU:HB3	1:168:A:LEU:H	11	0.22
(2,5298)	1:167:A:GLU:HB3	1:168:A:LEU:H	20	0.22
(2,5257)	1:162:A:LYS:HG2	1:162:A:LYS:H	5	0.22
(2,5257)	1:162:A:LYS:HG2	1:162:A:LYS:H	15	0.22
(2,5257)	1:162:A:LYS:HG2	1:162:A:LYS:H	19	0.22
(2,5245)	1:142:A:LEU:HD11	1:160:A:TRP:H	20	0.22
(2,5245)	1:142:A:LEU:HD12	1:160:A:TRP:H	20	0.22
(2,5245)	1:142:A:LEU:HD13	1:160:A:TRP:H	20	0.22
(2,5243)	1:161:A:VAL:HB	1:160:A:TRP:H	4	0.22
(2,5242)	1:159:A:LYS:HG3	1:160:A:TRP:H	11	0.22
(2,5235)	1:152:A:LEU:HD11	1:156:A:ARG:HE	11	0.22
(2,5235)	1:152:A:LEU:HD12	1:156:A:ARG:HE	11	0.22
(2,5235)	1:152:A:LEU:HD13	1:156:A:ARG:HE	11	0.22
(2,5235)	1:152:A:LEU:HD11	1:156:A:ARG:HE	20	0.22
(2,5235)	1:152:A:LEU:HD12	1:156:A:ARG:HE	20	0.22
(2,5235)	1:152:A:LEU:HD13	1:156:A:ARG:HE	20	0.22
(2,5171)	1:145:A:ASP:HB3	1:149:A:GLN:H	2	0.22
(2,5074)	1:139:A:PHE:HB2	1:134:A:ALA:H	2	0.22
(2,5059)	1:131:A:LYS:HG3	1:130:A:SER:H	6	0.22
(2,5054)	1:96:A:GLU:HB2	1:129:A:ALA:H	4	0.22
(2,5054)	1:96:A:GLU:HB2	1:129:A:ALA:H	13	0.22
(2,4966)	1:116:A:ILE:HD11	1:109:A:ILE:H	12	0.22
(2,4966)	1:116:A:ILE:HD12	1:109:A:ILE:H	12	0.22
(2,4966)	1:116:A:ILE:HD13	1:109:A:ILE:H	12	0.22
(2,4966)	1:116:A:ILE:HD11	1:109:A:ILE:H	16	0.22
(2,4966)	1:116:A:ILE:HD12	1:109:A:ILE:H	16	0.22
(2,4966)	1:116:A:ILE:HD13	1:109:A:ILE:H	16	0.22
(2,4705)	1:61:A:GLU:HG3	1:62:A:ALA:H	14	0.22
(2,4692)	1:61:A:GLU:HG3	1:59:A:TYR:H	14	0.22
(2,4585)	1:40:A:SER:HB3	1:42:A:GLU:H	11	0.22
(2,4507)	1:28:A:LYS:HB2	1:30:A:VAL:H	8	0.22
(2,4488)	1:158:A:GLU:HA	1:25:A:GLN:HE21	18	0.22
(2,4455)	1:22:A:ILE:HG12	1:22:A:ILE:H	5	0.22
(2,4435)	1:20:A:LYS:HD2	1:19:A:ALA:H	6	0.22
(2,4124)	1:25:A:GLN:HA	1:25:A:GLN:HE21	4	0.22
(2,4079)	1:85:A:LEU:HD11	1:86:A:PHE:H	6	0.22
(2,4079)	1:85:A:LEU:HD12	1:86:A:PHE:H	6	0.22
(2,4079)	1:85:A:LEU:HD13	1:86:A:PHE:H	6	0.22
(2,4059)	1:133:A:LEU:HB2	1:135:A:ASP:H	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD21	14	0.22
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD22	14	0.22
(2,3997)	1:30:A:VAL:HG11	1:3:A:ILE:H	17	0.22
(2,3997)	1:30:A:VAL:HG12	1:3:A:ILE:H	17	0.22
(2,3997)	1:30:A:VAL:HG13	1:3:A:ILE:H	17	0.22
(2,3988)	1:170:A:LEU:HD11	1:170:A:LEU:H	12	0.22
(2,3988)	1:170:A:LEU:HD12	1:170:A:LEU:H	12	0.22
(2,3988)	1:170:A:LEU:HD13	1:170:A:LEU:H	12	0.22
(2,3921)	1:45:A:GLU:HB2	1:44:A:LEU:H	3	0.22
(2,3916)	1:105:A:ILE:HG12	1:105:A:ILE:H	12	0.22
(2,3883)	1:26:A:LEU:HB2	1:26:A:LEU:H	5	0.22
(2,3880)	1:25:A:GLN:HB3	1:26:A:LEU:H	9	0.22
(2,3835)	1:155:A:GLU:HG3	1:155:A:GLU:H	4	0.22
(2,3801)	1:27:A:GLY:HA3	1:30:A:VAL:H	20	0.22
(2,3794)	1:152:A:LEU:HB3	1:156:A:ARG:H	9	0.22
(2,3788)	1:164:A:ILE:HA	1:167:A:GLU:H	5	0.22
(2,3763)	1:32:A:ASP:HB2	1:32:A:ASP:H	3	0.22
(2,3763)	1:32:A:ASP:HB2	1:32:A:ASP:H	11	0.22
(2,3756)	1:163:A:GLN:HG3	1:163:A:GLN:H	18	0.22
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	9	0.22
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	9	0.22
(2,3679)	1:52:A:LEU:HB3	1:52:A:LEU:H	7	0.22
(2,3679)	1:52:A:LEU:HB3	1:52:A:LEU:H	8	0.22
(2,3629)	1:159:A:LYS:HB2	1:160:A:TRP:H	10	0.22
(2,3607)	1:77:A:ASP:HB2	1:77:A:ASP:H	8	0.22
(2,3598)	1:82:A:LEU:HB3	1:82:A:LEU:H	7	0.22
(2,3575)	1:116:A:ILE:HG12	1:116:A:ILE:H	9	0.22
(2,3575)	1:116:A:ILE:HG12	1:116:A:ILE:H	20	0.22
(2,3572)	1:116:A:ILE:HG12	1:116:A:ILE:H	9	0.22
(2,3572)	1:116:A:ILE:HG12	1:116:A:ILE:H	20	0.22
(2,3412)	1:22:A:ILE:HA	1:161:A:VAL:HG11	5	0.22
(2,3412)	1:22:A:ILE:HA	1:161:A:VAL:HG12	5	0.22
(2,3412)	1:22:A:ILE:HA	1:161:A:VAL:HG13	5	0.22
(2,3344)	1:158:A:GLU:H	1:159:A:LYS:HD2	5	0.22
(2,3344)	1:158:A:GLU:H	1:159:A:LYS:HD2	20	0.22
(2,3342)	1:166:A:GLU:H	1:166:A:GLU:HB2	1	0.22
(2,3342)	1:166:A:GLU:H	1:166:A:GLU:HB2	10	0.22
(2,3342)	1:166:A:GLU:H	1:166:A:GLU:HB2	14	0.22
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD11	8	0.22
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD12	8	0.22
(2,3245)	1:156:A:ARG:HA	1:142:A:LEU:HD13	8	0.22
(2,3109)	1:125:A:TYR:HE1	1:128:A:GLU:HG2	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3109)	1:125:A:TYR:HE2	1:128:A:GLU:HG2	8	0.22
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG21	4	0.22
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG22	4	0.22
(2,2974)	1:88:A:CYS:HB2	1:144:A:ILE:HG23	4	0.22
(2,2965)	1:111:A:PRO:HG2	1:112:A:ARG:HD3	18	0.22
(2,2926)	1:112:A:ARG:H	1:111:A:PRO:HG2	20	0.22
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG21	11	0.22
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG22	11	0.22
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG23	11	0.22
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD11	17	0.22
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD12	17	0.22
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD13	17	0.22
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD11	19	0.22
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD12	19	0.22
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD13	19	0.22
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD11	19	0.22
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD12	19	0.22
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD13	19	0.22
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD11	19	0.22
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD12	19	0.22
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD13	19	0.22
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD11	13	0.22
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD12	13	0.22
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD13	13	0.22
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB1	13	0.22
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB2	13	0.22
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB3	13	0.22
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB1	13	0.22
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB2	13	0.22
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB3	13	0.22
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB1	13	0.22
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB2	13	0.22
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB3	13	0.22
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB1	14	0.22
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB2	14	0.22
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB3	14	0.22
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB1	14	0.22
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB2	14	0.22
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB3	14	0.22
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB1	14	0.22
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB2	14	0.22
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB3	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2547)	1:168:A:LEU:HD11	1:82:A:LEU:HB2	5	0.22
(2,2547)	1:168:A:LEU:HD12	1:82:A:LEU:HB2	5	0.22
(2,2547)	1:168:A:LEU:HD13	1:82:A:LEU:HB2	5	0.22
(2,2451)	1:108:A:ILE:HD11	1:74:A:GLU:HG3	17	0.22
(2,2451)	1:108:A:ILE:HD12	1:74:A:GLU:HG3	17	0.22
(2,2451)	1:108:A:ILE:HD13	1:74:A:GLU:HG3	17	0.22
(2,2443)	1:74:A:GLU:HB2	1:74:A:GLU:HA	8	0.22
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD21	10	0.22
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD22	10	0.22
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD23	10	0.22
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD21	10	0.22
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD22	10	0.22
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD23	10	0.22
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD21	10	0.22
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD22	10	0.22
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD23	10	0.22
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD21	13	0.22
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD22	13	0.22
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD23	13	0.22
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD21	13	0.22
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD22	13	0.22
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD23	13	0.22
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD21	13	0.22
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD22	13	0.22
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD23	13	0.22
(2,2396)	1:111:A:PRO:HG2	1:111:A:PRO:HB3	17	0.22
(2,2365)	1:76:A:ILE:HA	1:75:A:GLU:HA	12	0.22
(2,2365)	1:76:A:ILE:HA	1:75:A:GLU:HA	14	0.22
(2,2340)	1:142:A:LEU:HD11	1:156:A:ARG:HA	8	0.22
(2,2340)	1:142:A:LEU:HD12	1:156:A:ARG:HA	8	0.22
(2,2340)	1:142:A:LEU:HD13	1:156:A:ARG:HA	8	0.22
(2,2338)	1:158:A:GLU:HG3	1:158:A:GLU:HA	2	0.22
(2,2332)	1:156:A:ARG:HD2	1:156:A:ARG:HA	18	0.22
(2,2172)	1:84:A:ALA:HB1	1:51:A:LEU:HB2	7	0.22
(2,2172)	1:84:A:ALA:HB2	1:51:A:LEU:HB2	7	0.22
(2,2172)	1:84:A:ALA:HB3	1:51:A:LEU:HB2	7	0.22
(2,2165)	1:86:A:PHE:HD1	1:51:A:LEU:HB3	19	0.22
(2,2165)	1:86:A:PHE:HD2	1:51:A:LEU:HB3	19	0.22
(2,2155)	1:83:A:VAL:HG11	1:50:A:LEU:HD11	20	0.22
(2,2155)	1:83:A:VAL:HG11	1:50:A:LEU:HD12	20	0.22
(2,2155)	1:83:A:VAL:HG11	1:50:A:LEU:HD13	20	0.22
(2,2155)	1:83:A:VAL:HG12	1:50:A:LEU:HD11	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2155)	1:83:A:VAL:HG12	1:50:A:LEU:HD12	20	0.22
(2,2155)	1:83:A:VAL:HG12	1:50:A:LEU:HD13	20	0.22
(2,2155)	1:83:A:VAL:HG13	1:50:A:LEU:HD11	20	0.22
(2,2155)	1:83:A:VAL:HG13	1:50:A:LEU:HD12	20	0.22
(2,2155)	1:83:A:VAL:HG13	1:50:A:LEU:HD13	20	0.22
(2,2041)	1:41:A:LYS:HA	1:44:A:LEU:HD21	10	0.22
(2,2041)	1:41:A:LYS:HA	1:44:A:LEU:HD22	10	0.22
(2,2041)	1:41:A:LYS:HA	1:44:A:LEU:HD23	10	0.22
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD11	3	0.22
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD12	3	0.22
(2,2031)	1:47:A:TYR:H	1:44:A:LEU:HD13	3	0.22
(2,1972)	1:159:A:LYS:H	1:158:A:GLU:HG2	3	0.22
(2,1972)	1:159:A:LYS:H	1:158:A:GLU:HG2	6	0.22
(2,1959)	1:75:A:GLU:HA	1:41:A:LYS:HE2	3	0.22
(2,1958)	1:17:A:ASN:HA	1:20:A:LYS:HE3	8	0.22
(2,1839)	1:38:A:LYS:HG2	1:35:A:ASP:HB3	3	0.22
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG21	17	0.22
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG22	17	0.22
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG23	17	0.22
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG11	1	0.22
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG12	1	0.22
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG13	1	0.22
(2,1752)	1:6:A:ILE:HD11	1:23:A:GLN:HG2	9	0.22
(2,1752)	1:6:A:ILE:HD12	1:23:A:GLN:HG2	9	0.22
(2,1752)	1:6:A:ILE:HD13	1:23:A:GLN:HG2	9	0.22
(2,1732)	1:131:A:LYS:H	1:131:A:LYS:HE2	10	0.22
(2,1706)	1:158:A:GLU:H	1:155:A:GLU:HA	12	0.22
(2,1697)	1:25:A:GLN:HB2	1:26:A:LEU:HD11	11	0.22
(2,1697)	1:25:A:GLN:HB2	1:26:A:LEU:HD12	11	0.22
(2,1697)	1:25:A:GLN:HB2	1:26:A:LEU:HD13	11	0.22
(2,1697)	1:25:A:GLN:HB3	1:26:A:LEU:HD11	11	0.22
(2,1697)	1:25:A:GLN:HB3	1:26:A:LEU:HD12	11	0.22
(2,1697)	1:25:A:GLN:HB3	1:26:A:LEU:HD13	11	0.22
(2,1649)	1:24:A:LYS:H	1:24:A:LYS:HD2	16	0.22
(2,1636)	1:24:A:LYS:HE2	1:24:A:LYS:HG2	13	0.22
(2,1521)	1:5:A:GLY:H	1:50:A:LEU:HD11	9	0.22
(2,1521)	1:5:A:GLY:H	1:50:A:LEU:HD12	9	0.22
(2,1521)	1:5:A:GLY:H	1:50:A:LEU:HD13	9	0.22
(2,1511)	1:24:A:LYS:HE2	1:24:A:LYS:HB2	16	0.22
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD11	18	0.22
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD12	18	0.22
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD13	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1353)	1:6:A:ILE:HD11	1:23:A:GLN:HB3	13	0.22
(2,1353)	1:6:A:ILE:HD12	1:23:A:GLN:HB3	13	0.22
(2,1353)	1:6:A:ILE:HD13	1:23:A:GLN:HB3	13	0.22
(2,1353)	1:6:A:ILE:HD11	1:23:A:GLN:HB3	15	0.22
(2,1353)	1:6:A:ILE:HD12	1:23:A:GLN:HB3	15	0.22
(2,1353)	1:6:A:ILE:HD13	1:23:A:GLN:HB3	15	0.22
(2,1242)	1:85:A:LEU:HB3	1:102:A:LEU:HD21	17	0.22
(2,1242)	1:85:A:LEU:HB3	1:102:A:LEU:HD22	17	0.22
(2,1242)	1:85:A:LEU:HB3	1:102:A:LEU:HD23	17	0.22
(2,1230)	1:20:A:LYS:HG3	1:20:A:LYS:HE3	4	0.22
(2,1230)	1:20:A:LYS:HG3	1:20:A:LYS:HE3	9	0.22
(2,1230)	1:20:A:LYS:HG3	1:20:A:LYS:HE3	13	0.22
(2,1230)	1:20:A:LYS:HG3	1:20:A:LYS:HE3	14	0.22
(2,1230)	1:20:A:LYS:HG3	1:20:A:LYS:HE3	18	0.22
(2,1227)	1:24:A:LYS:HG2	1:24:A:LYS:HE2	13	0.22
(2,1222)	1:30:A:VAL:HG11	1:31:A:ALA:HA	5	0.22
(2,1222)	1:30:A:VAL:HG12	1:31:A:ALA:HA	5	0.22
(2,1222)	1:30:A:VAL:HG13	1:31:A:ALA:HA	5	0.22
(2,1209)	1:82:A:LEU:HD21	1:168:A:LEU:HA	19	0.22
(2,1209)	1:82:A:LEU:HD22	1:168:A:LEU:HA	19	0.22
(2,1209)	1:82:A:LEU:HD23	1:168:A:LEU:HA	19	0.22
(2,1194)	1:96:A:GLU:HG3	1:96:A:GLU:HA	4	0.22
(2,1178)	1:28:A:LYS:HD2	1:28:A:LYS:HA	20	0.22
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG11	10	0.22
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG12	10	0.22
(2,1079)	1:22:A:ILE:HD11	1:161:A:VAL:HG13	10	0.22
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG11	10	0.22
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG12	10	0.22
(2,1079)	1:22:A:ILE:HD12	1:161:A:VAL:HG13	10	0.22
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG11	10	0.22
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG12	10	0.22
(2,1079)	1:22:A:ILE:HD13	1:161:A:VAL:HG13	10	0.22
(2,1060)	1:76:A:ILE:HG21	1:44:A:LEU:HD21	14	0.22
(2,1060)	1:76:A:ILE:HG21	1:44:A:LEU:HD22	14	0.22
(2,1060)	1:76:A:ILE:HG21	1:44:A:LEU:HD23	14	0.22
(2,1060)	1:76:A:ILE:HG22	1:44:A:LEU:HD21	14	0.22
(2,1060)	1:76:A:ILE:HG22	1:44:A:LEU:HD22	14	0.22
(2,1060)	1:76:A:ILE:HG22	1:44:A:LEU:HD23	14	0.22
(2,1060)	1:76:A:ILE:HG23	1:44:A:LEU:HD21	14	0.22
(2,1060)	1:76:A:ILE:HG23	1:44:A:LEU:HD22	14	0.22
(2,1060)	1:76:A:ILE:HG23	1:44:A:LEU:HD23	14	0.22
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG21	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG22	17	0.22
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG23	17	0.22
(2,966)	1:156:A:ARG:HB2	1:142:A:LEU:HD11	14	0.22
(2,966)	1:156:A:ARG:HB2	1:142:A:LEU:HD12	14	0.22
(2,966)	1:156:A:ARG:HB2	1:142:A:LEU:HD13	14	0.22
(2,799)	1:111:A:PRO:HD3	1:111:A:PRO:HG2	4	0.22
(2,799)	1:111:A:PRO:HD3	1:111:A:PRO:HG2	8	0.22
(2,799)	1:111:A:PRO:HD3	1:111:A:PRO:HG2	17	0.22
(2,799)	1:111:A:PRO:HD3	1:111:A:PRO:HG2	19	0.22
(2,771)	1:111:A:PRO:HA	1:111:A:PRO:HB2	11	0.22
(2,771)	1:111:A:PRO:HA	1:111:A:PRO:HB2	12	0.22
(2,771)	1:111:A:PRO:HA	1:111:A:PRO:HB2	14	0.22
(2,771)	1:111:A:PRO:HA	1:111:A:PRO:HB2	15	0.22
(2,771)	1:111:A:PRO:HA	1:111:A:PRO:HB2	20	0.22
(2,731)	1:170:A:LEU:HA	1:173:A:ILE:HB	5	0.22
(2,705)	1:70:A:PHE:HE1	1:105:A:ILE:HD11	7	0.22
(2,705)	1:70:A:PHE:HE1	1:105:A:ILE:HD12	7	0.22
(2,705)	1:70:A:PHE:HE1	1:105:A:ILE:HD13	7	0.22
(2,705)	1:70:A:PHE:HE2	1:105:A:ILE:HD11	7	0.22
(2,705)	1:70:A:PHE:HE2	1:105:A:ILE:HD12	7	0.22
(2,705)	1:70:A:PHE:HE2	1:105:A:ILE:HD13	7	0.22
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD11	1	0.22
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD12	1	0.22
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD13	1	0.22
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD11	20	0.22
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD12	20	0.22
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD13	20	0.22
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD11	2	0.22
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD12	2	0.22
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD13	2	0.22
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD11	18	0.22
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD12	18	0.22
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD13	18	0.22
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD21	14	0.22
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD22	14	0.22
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD23	14	0.22
(2,512)	1:69:A:PHE:HE1	1:73:A:LEU:HD21	9	0.22
(2,512)	1:69:A:PHE:HE1	1:73:A:LEU:HD22	9	0.22
(2,512)	1:69:A:PHE:HE1	1:73:A:LEU:HD23	9	0.22
(2,512)	1:69:A:PHE:HE2	1:73:A:LEU:HD21	9	0.22
(2,512)	1:69:A:PHE:HE2	1:73:A:LEU:HD22	9	0.22
(2,512)	1:69:A:PHE:HE2	1:73:A:LEU:HD23	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD11	18	0.22
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD12	18	0.22
(2,485)	1:51:A:LEU:H	1:50:A:LEU:HD13	18	0.22
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD11	16	0.22
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD12	16	0.22
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD13	16	0.22
(2,450)	1:25:A:GLN:HE21	1:161:A:VAL:HB	4	0.22
(2,422)	1:165:A:SER:H	1:166:A:GLU:HG2	14	0.22
(2,408)	1:17:A:ASN:HD21	1:17:A:ASN:HB2	14	0.22
(2,335)	1:27:A:GLY:H	1:24:A:LYS:HA	14	0.22
(2,312)	1:42:A:GLU:H	1:40:A:SER:HB3	11	0.22
(2,84)	1:159:A:LYS:HG3	1:120:A:TRP:HH2	6	0.22
(3,611)	1:148:A:ARG:HB2	1:146:A:GLU:H	2	0.21
(3,575)	1:96:A:GLU:HB2	1:128:A:GLU:H	13	0.21
(3,377)	1:20:A:LYS:HG2	1:33:A:VAL:H	11	0.21
(3,273)	1:144:A:ILE:HG12	1:149:A:GLN:HA	15	0.21
(2,5384)	1:171:A:ASP:HA	1:173:A:ILE:H	3	0.21
(2,5384)	1:171:A:ASP:HA	1:173:A:ILE:H	20	0.21
(2,5347)	1:171:A:ASP:HA	1:175:A:ASN:HD21	14	0.21
(2,5336)	1:170:A:LEU:HD11	1:174:A:LEU:H	5	0.21
(2,5336)	1:170:A:LEU:HD12	1:174:A:LEU:H	5	0.21
(2,5336)	1:170:A:LEU:HD13	1:174:A:LEU:H	5	0.21
(2,5326)	1:170:A:LEU:HD11	1:171:A:ASP:H	11	0.21
(2,5326)	1:170:A:LEU:HD12	1:171:A:ASP:H	11	0.21
(2,5326)	1:170:A:LEU:HD13	1:171:A:ASP:H	11	0.21
(2,5283)	1:167:A:GLU:HG3	1:166:A:GLU:H	2	0.21
(2,5257)	1:162:A:LYS:HG2	1:162:A:LYS:H	9	0.21
(2,5257)	1:162:A:LYS:HG2	1:162:A:LYS:H	20	0.21
(2,5243)	1:161:A:VAL:HB	1:160:A:TRP:H	2	0.21
(2,5077)	1:133:A:LEU:HD11	1:134:A:ALA:H	2	0.21
(2,5077)	1:133:A:LEU:HD12	1:134:A:ALA:H	2	0.21
(2,5077)	1:133:A:LEU:HD13	1:134:A:ALA:H	2	0.21
(2,4980)	1:74:A:GLU:HB2	1:112:A:ARG:HE	3	0.21
(2,4965)	1:73:A:LEU:HD11	1:109:A:ILE:H	9	0.21
(2,4965)	1:73:A:LEU:HD12	1:109:A:ILE:H	9	0.21
(2,4965)	1:73:A:LEU:HD13	1:109:A:ILE:H	9	0.21
(2,4901)	1:128:A:GLU:HB2	1:98:A:PHE:H	10	0.21
(2,4898)	1:95:A:ALA:H	1:98:A:PHE:H	5	0.21
(2,4866)	1:91:A:GLN:HG3	1:93:A:ASP:H	14	0.21
(2,4801)	1:114:A:ALA:HB1	1:81:A:LYS:H	2	0.21
(2,4801)	1:114:A:ALA:HB2	1:81:A:LYS:H	2	0.21
(2,4801)	1:114:A:ALA:HB3	1:81:A:LYS:H	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4789)	1:113:A:GLY:HA2	1:79:A:ASN:H	2	0.21
(2,4752)	1:74:A:GLU:HG3	1:73:A:LEU:H	4	0.21
(2,4660)	1:83:A:VAL:HG11	1:52:A:LEU:H	14	0.21
(2,4660)	1:83:A:VAL:HG12	1:52:A:LEU:H	14	0.21
(2,4660)	1:83:A:VAL:HG13	1:52:A:LEU:H	14	0.21
(2,4507)	1:28:A:LYS:HB2	1:30:A:VAL:H	9	0.21
(2,4463)	1:21:A:MET:HA	1:23:A:GLN:H	16	0.21
(2,4255)	1:79:A:ASN:HD22	1:79:A:ASN:H	17	0.21
(2,4180)	1:102:A:LEU:HD11	1:87:A:GLY:H	15	0.21
(2,4180)	1:102:A:LEU:HD12	1:87:A:GLY:H	15	0.21
(2,4180)	1:102:A:LEU:HD13	1:87:A:GLY:H	15	0.21
(2,4079)	1:85:A:LEU:HD11	1:86:A:PHE:H	1	0.21
(2,4079)	1:85:A:LEU:HD12	1:86:A:PHE:H	1	0.21
(2,4079)	1:85:A:LEU:HD13	1:86:A:PHE:H	1	0.21
(2,4079)	1:85:A:LEU:HD11	1:86:A:PHE:H	5	0.21
(2,4079)	1:85:A:LEU:HD12	1:86:A:PHE:H	5	0.21
(2,4079)	1:85:A:LEU:HD13	1:86:A:PHE:H	5	0.21
(2,4059)	1:133:A:LEU:HB2	1:135:A:ASP:H	1	0.21
(2,4052)	1:38:A:LYS:HD2	1:38:A:LYS:H	1	0.21
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD21	13	0.21
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD22	13	0.21
(2,3921)	1:45:A:GLU:HB2	1:44:A:LEU:H	6	0.21
(2,3916)	1:105:A:ILE:HG12	1:105:A:ILE:H	17	0.21
(2,3903)	1:158:A:GLU:HG3	1:159:A:LYS:H	20	0.21
(2,3880)	1:25:A:GLN:HB3	1:26:A:LEU:H	10	0.21
(2,3801)	1:27:A:GLY:HA3	1:30:A:VAL:H	16	0.21
(2,3794)	1:152:A:LEU:HB3	1:156:A:ARG:H	12	0.21
(2,3788)	1:164:A:ILE:HA	1:167:A:GLU:H	17	0.21
(2,3788)	1:164:A:ILE:HA	1:167:A:GLU:H	20	0.21
(2,3712)	1:82:A:LEU:HD21	1:117:A:VAL:H	13	0.21
(2,3712)	1:82:A:LEU:HD22	1:117:A:VAL:H	13	0.21
(2,3712)	1:82:A:LEU:HD23	1:117:A:VAL:H	13	0.21
(2,3697)	1:30:A:VAL:HG11	1:31:A:ALA:H	2	0.21
(2,3697)	1:30:A:VAL:HG12	1:31:A:ALA:H	2	0.21
(2,3697)	1:30:A:VAL:HG13	1:31:A:ALA:H	2	0.21
(2,3697)	1:30:A:VAL:HG11	1:31:A:ALA:H	3	0.21
(2,3697)	1:30:A:VAL:HG12	1:31:A:ALA:H	3	0.21
(2,3697)	1:30:A:VAL:HG13	1:31:A:ALA:H	3	0.21
(2,3679)	1:52:A:LEU:HB3	1:52:A:LEU:H	12	0.21
(2,3613)	1:105:A:ILE:HG12	1:106:A:ARG:H	19	0.21
(2,3581)	1:51:A:LEU:HD11	1:84:A:ALA:H	12	0.21
(2,3581)	1:51:A:LEU:HD12	1:84:A:ALA:H	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3581)	1:51:A:LEU:HD13	1:84:A:ALA:H	12	0.21
(2,3575)	1:116:A:ILE:HG12	1:116:A:ILE:H	8	0.21
(2,3575)	1:116:A:ILE:HG12	1:116:A:ILE:H	14	0.21
(2,3572)	1:116:A:ILE:HG12	1:116:A:ILE:H	8	0.21
(2,3572)	1:116:A:ILE:HG12	1:116:A:ILE:H	14	0.21
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD11	1	0.21
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD12	1	0.21
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD13	1	0.21
(2,3492)	1:172:A:GLU:HB2	1:169:A:HIS:HB2	5	0.21
(2,3425)	1:131:A:LYS:HB3	1:131:A:LYS:HE2	4	0.21
(2,3425)	1:131:A:LYS:HB3	1:131:A:LYS:HE2	10	0.21
(2,3342)	1:166:A:GLU:H	1:166:A:GLU:HB2	7	0.21
(2,3342)	1:166:A:GLU:H	1:166:A:GLU:HB2	8	0.21
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD11	20	0.21
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD12	20	0.21
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD13	20	0.21
(2,3257)	1:115:A:THR:HA	1:110:A:GLU:HG3	2	0.21
(2,3232)	1:161:A:VAL:H	1:142:A:LEU:HG	14	0.21
(2,2985)	1:163:A:GLN:HG2	1:160:A:TRP:HA	17	0.21
(2,2921)	1:110:A:GLU:HG2	1:110:A:GLU:HA	3	0.21
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD11	15	0.21
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD12	15	0.21
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD13	15	0.21
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG21	4	0.21
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG22	4	0.21
(2,2887)	1:112:A:ARG:HD2	1:108:A:ILE:HG23	4	0.21
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD11	7	0.21
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD12	7	0.21
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD13	7	0.21
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD11	7	0.21
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD12	7	0.21
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD13	7	0.21
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD11	7	0.21
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD12	7	0.21
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD13	7	0.21
(2,2799)	1:85:A:LEU:HD11	1:105:A:ILE:HB	12	0.21
(2,2799)	1:85:A:LEU:HD12	1:105:A:ILE:HB	12	0.21
(2,2799)	1:85:A:LEU:HD13	1:105:A:ILE:HB	12	0.21
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB1	18	0.21
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB2	18	0.21
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB3	18	0.21
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB1	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB2	18	0.21
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB3	18	0.21
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB1	18	0.21
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB2	18	0.21
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB3	18	0.21
(2,2604)	1:85:A:LEU:HG	1:85:A:LEU:HA	2	0.21
(2,2604)	1:85:A:LEU:HG	1:85:A:LEU:HA	8	0.21
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB1	5	0.21
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB2	5	0.21
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB3	5	0.21
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB1	5	0.21
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB2	5	0.21
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB3	5	0.21
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB1	5	0.21
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB2	5	0.21
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB3	5	0.21
(2,2510)	1:113:A:GLY:HA2	1:79:A:ASN:HA	2	0.21
(2,2510)	1:113:A:GLY:HA2	1:79:A:ASN:HA	13	0.21
(2,2442)	1:74:A:GLU:HG3	1:74:A:GLU:HA	8	0.21
(2,2431)	1:52:A:LEU:HD11	1:73:A:LEU:HB2	19	0.21
(2,2431)	1:52:A:LEU:HD12	1:73:A:LEU:HB2	19	0.21
(2,2431)	1:52:A:LEU:HD13	1:73:A:LEU:HB2	19	0.21
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD21	8	0.21
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD22	8	0.21
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD23	8	0.21
(2,2365)	1:76:A:ILE:HA	1:75:A:GLU:HA	18	0.21
(2,2330)	1:37:A:ALA:HA	1:65:A:ASP:HB2	15	0.21
(2,2330)	1:37:A:ALA:HA	1:65:A:ASP:HB2	18	0.21
(2,2330)	1:37:A:ALA:HA	1:65:A:ASP:HB2	19	0.21
(2,2184)	1:48:A:ASP:HA	1:81:A:LYS:HD2	17	0.21
(2,2172)	1:84:A:ALA:HB1	1:51:A:LEU:HB2	3	0.21
(2,2172)	1:84:A:ALA:HB2	1:51:A:LEU:HB2	3	0.21
(2,2172)	1:84:A:ALA:HB3	1:51:A:LEU:HB2	3	0.21
(2,2172)	1:84:A:ALA:HB1	1:51:A:LEU:HB2	9	0.21
(2,2172)	1:84:A:ALA:HB2	1:51:A:LEU:HB2	9	0.21
(2,2172)	1:84:A:ALA:HB3	1:51:A:LEU:HB2	9	0.21
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD11	20	0.21
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD12	20	0.21
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD13	20	0.21
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD11	20	0.21
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD12	20	0.21
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD13	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1975)	1:159:A:LYS:H	1:158:A:GLU:HG3	20	0.21
(2,1959)	1:75:A:GLU:HA	1:41:A:LYS:HE2	2	0.21
(2,1884)	1:65:A:ASP:HB2	1:37:A:ALA:HA	15	0.21
(2,1884)	1:65:A:ASP:HB2	1:37:A:ALA:HA	18	0.21
(2,1884)	1:65:A:ASP:HB2	1:37:A:ALA:HA	19	0.21
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD11	14	0.21
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD12	14	0.21
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD13	14	0.21
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG21	8	0.21
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG22	8	0.21
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG23	8	0.21
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG11	2	0.21
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG12	2	0.21
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG13	2	0.21
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG11	2	0.21
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG12	2	0.21
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG13	2	0.21
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG11	2	0.21
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG12	2	0.21
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG13	2	0.21
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG11	14	0.21
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG12	14	0.21
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG13	14	0.21
(2,1563)	1:18:A:ILE:HD11	1:21:A:MET:HG3	1	0.21
(2,1563)	1:18:A:ILE:HD12	1:21:A:MET:HG3	1	0.21
(2,1563)	1:18:A:ILE:HD13	1:21:A:MET:HG3	1	0.21
(2,1563)	1:18:A:ILE:HD11	1:21:A:MET:HG2	1	0.21
(2,1563)	1:18:A:ILE:HD12	1:21:A:MET:HG2	1	0.21
(2,1563)	1:18:A:ILE:HD13	1:21:A:MET:HG2	1	0.21
(2,1563)	1:18:A:ILE:HD11	1:21:A:MET:HG3	13	0.21
(2,1563)	1:18:A:ILE:HD12	1:21:A:MET:HG3	13	0.21
(2,1563)	1:18:A:ILE:HD13	1:21:A:MET:HG3	13	0.21
(2,1563)	1:18:A:ILE:HD11	1:21:A:MET:HG2	13	0.21
(2,1563)	1:18:A:ILE:HD12	1:21:A:MET:HG2	13	0.21
(2,1563)	1:18:A:ILE:HD13	1:21:A:MET:HG2	13	0.21
(2,1519)	1:7:A:PHE:HD1	1:50:A:LEU:HD11	8	0.21
(2,1519)	1:7:A:PHE:HD1	1:50:A:LEU:HD12	8	0.21
(2,1519)	1:7:A:PHE:HD1	1:50:A:LEU:HD13	8	0.21
(2,1519)	1:7:A:PHE:HD2	1:50:A:LEU:HD11	8	0.21
(2,1519)	1:7:A:PHE:HD2	1:50:A:LEU:HD12	8	0.21
(2,1519)	1:7:A:PHE:HD2	1:50:A:LEU:HD13	8	0.21
(2,1511)	1:24:A:LYS:HE2	1:24:A:LYS:HB2	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD11	19	0.21
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD12	19	0.21
(2,1481)	1:17:A:ASN:HB2	1:18:A:ILE:HD13	19	0.21
(2,1465)	1:18:A:ILE:HD11	1:17:A:ASN:HB2	19	0.21
(2,1465)	1:18:A:ILE:HD12	1:17:A:ASN:HB2	19	0.21
(2,1465)	1:18:A:ILE:HD13	1:17:A:ASN:HB2	19	0.21
(2,1430)	1:150:A:PRO:HB2	1:153:A:THR:HA	15	0.21
(2,1412)	1:78:A:PHE:HB2	1:113:A:GLY:HA2	15	0.21
(2,1337)	1:50:A:LEU:HA	1:6:A:ILE:HA	15	0.21
(2,1279)	1:168:A:LEU:HD11	1:170:A:LEU:HG	20	0.21
(2,1279)	1:168:A:LEU:HD12	1:170:A:LEU:HG	20	0.21
(2,1279)	1:168:A:LEU:HD13	1:170:A:LEU:HG	20	0.21
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD21	2	0.21
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD22	2	0.21
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD23	2	0.21
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD21	2	0.21
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD22	2	0.21
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD23	2	0.21
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD21	2	0.21
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD22	2	0.21
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD23	2	0.21
(2,1230)	1:20:A:LYS:HG3	1:20:A:LYS:HE3	5	0.21
(2,1230)	1:20:A:LYS:HG3	1:20:A:LYS:HE3	7	0.21
(2,1230)	1:20:A:LYS:HG3	1:20:A:LYS:HE3	17	0.21
(2,1194)	1:96:A:GLU:HG3	1:96:A:GLU:HA	5	0.21
(2,1194)	1:96:A:GLU:HG3	1:96:A:GLU:HA	9	0.21
(2,1194)	1:96:A:GLU:HG3	1:96:A:GLU:HA	13	0.21
(2,1191)	1:133:A:LEU:HD21	1:136:A:ASP:HA	3	0.21
(2,1191)	1:133:A:LEU:HD22	1:136:A:ASP:HA	3	0.21
(2,1191)	1:133:A:LEU:HD23	1:136:A:ASP:HA	3	0.21
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD21	1	0.21
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD22	1	0.21
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD23	1	0.21
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD21	1	0.21
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD22	1	0.21
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD23	1	0.21
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD21	1	0.21
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD22	1	0.21
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD23	1	0.21
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD21	5	0.21
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD22	5	0.21
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD23	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD21	5	0.21
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD22	5	0.21
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD23	5	0.21
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD21	5	0.21
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD22	5	0.21
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD23	5	0.21
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD21	16	0.21
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD22	16	0.21
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD23	16	0.21
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD21	16	0.21
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD22	16	0.21
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD23	16	0.21
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD21	16	0.21
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD22	16	0.21
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD23	16	0.21
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD11	15	0.21
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD12	15	0.21
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD13	15	0.21
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD11	15	0.21
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD12	15	0.21
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD13	15	0.21
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD11	15	0.21
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD12	15	0.21
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD13	15	0.21
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD11	3	0.21
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD12	3	0.21
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD13	3	0.21
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD11	3	0.21
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD12	3	0.21
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD13	3	0.21
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD11	3	0.21
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD12	3	0.21
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD13	3	0.21
(2,878)	1:141:A:GLY:HA2	1:102:A:LEU:HD21	14	0.21
(2,878)	1:141:A:GLY:HA2	1:102:A:LEU:HD22	14	0.21
(2,878)	1:141:A:GLY:HA2	1:102:A:LEU:HD23	14	0.21
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD11	9	0.21
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD12	9	0.21
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD13	9	0.21
(2,816)	1:165:A:SER:HA	1:26:A:LEU:HG	10	0.21
(2,780)	1:173:A:ILE:HA	1:172:A:GLU:HB2	7	0.21
(2,705)	1:70:A:PHE:HE1	1:105:A:ILE:HD11	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,705)	1:70:A:PHE:HE1	1:105:A:ILE:HD12	9	0.21
(2,705)	1:70:A:PHE:HE1	1:105:A:ILE:HD13	9	0.21
(2,705)	1:70:A:PHE:HE2	1:105:A:ILE:HD11	9	0.21
(2,705)	1:70:A:PHE:HE2	1:105:A:ILE:HD12	9	0.21
(2,705)	1:70:A:PHE:HE2	1:105:A:ILE:HD13	9	0.21
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD11	5	0.21
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD12	5	0.21
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD13	5	0.21
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD11	20	0.21
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD12	20	0.21
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD13	20	0.21
(2,570)	1:139:A:PHE:HE1	1:133:A:LEU:HD11	17	0.21
(2,570)	1:139:A:PHE:HE1	1:133:A:LEU:HD12	17	0.21
(2,570)	1:139:A:PHE:HE1	1:133:A:LEU:HD13	17	0.21
(2,570)	1:139:A:PHE:HE2	1:133:A:LEU:HD11	17	0.21
(2,570)	1:139:A:PHE:HE2	1:133:A:LEU:HD12	17	0.21
(2,570)	1:139:A:PHE:HE2	1:133:A:LEU:HD13	17	0.21
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG21	2	0.21
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG22	2	0.21
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG23	2	0.21
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG21	19	0.21
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG22	19	0.21
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG23	19	0.21
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD21	19	0.21
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD22	19	0.21
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD23	19	0.21
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD21	19	0.21
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD22	19	0.21
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD23	19	0.21
(2,472)	1:173:A:ILE:H	1:173:A:ILE:HG12	6	0.21
(2,472)	1:173:A:ILE:H	1:173:A:ILE:HG12	10	0.21
(2,450)	1:25:A:GLN:HE21	1:161:A:VAL:HB	11	0.21
(2,408)	1:17:A:ASN:HD21	1:17:A:ASN:HB2	13	0.21
(2,335)	1:27:A:GLY:H	1:24:A:LYS:HA	8	0.21
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE1	6	0.21
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE2	6	0.21
(2,85)	1:159:A:LYS:HA	1:120:A:TRP:HH2	13	0.21
(3,564)	1:133:A:LEU:HD11	1:122:A:THR:H	9	0.2
(3,564)	1:133:A:LEU:HD12	1:122:A:THR:H	9	0.2
(3,564)	1:133:A:LEU:HD13	1:122:A:THR:H	9	0.2
(3,307)	1:30:A:VAL:H	1:173:A:ILE:HG21	3	0.2
(3,307)	1:30:A:VAL:H	1:173:A:ILE:HG22	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,307)	1:30:A:VAL:H	1:173:A:ILE:HG23	3	0.2
(2,5384)	1:171:A:ASP:HA	1:173:A:ILE:H	6	0.2
(2,5384)	1:171:A:ASP:HA	1:173:A:ILE:H	10	0.2
(2,5298)	1:167:A:GLU:HB3	1:168:A:LEU:H	8	0.2
(2,5290)	1:168:A:LEU:HD21	1:167:A:GLU:H	3	0.2
(2,5290)	1:168:A:LEU:HD22	1:167:A:GLU:H	3	0.2
(2,5290)	1:168:A:LEU:HD23	1:167:A:GLU:H	3	0.2
(2,5257)	1:162:A:LYS:HG2	1:162:A:LYS:H	11	0.2
(2,5243)	1:161:A:VAL:HB	1:160:A:TRP:H	8	0.2
(2,5238)	1:25:A:GLN:HE22	1:160:A:TRP:H	17	0.2
(2,5235)	1:152:A:LEU:HD11	1:156:A:ARG:HE	2	0.2
(2,5235)	1:152:A:LEU:HD12	1:156:A:ARG:HE	2	0.2
(2,5235)	1:152:A:LEU:HD13	1:156:A:ARG:HE	2	0.2
(2,5149)	1:144:A:ILE:HG12	1:145:A:ASP:H	18	0.2
(2,5143)	1:144:A:ILE:HG12	1:144:A:ILE:H	3	0.2
(2,5122)	1:140:A:VAL:HG11	1:142:A:LEU:H	1	0.2
(2,5122)	1:140:A:VAL:HG12	1:142:A:LEU:H	1	0.2
(2,5122)	1:140:A:VAL:HG13	1:142:A:LEU:H	1	0.2
(2,5052)	1:96:A:GLU:HG2	1:129:A:ALA:H	1	0.2
(2,4998)	1:116:A:ILE:HD11	1:115:A:THR:H	19	0.2
(2,4998)	1:116:A:ILE:HD12	1:115:A:THR:H	19	0.2
(2,4998)	1:116:A:ILE:HD13	1:115:A:THR:H	19	0.2
(2,4966)	1:116:A:ILE:HD11	1:109:A:ILE:H	14	0.2
(2,4966)	1:116:A:ILE:HD12	1:109:A:ILE:H	14	0.2
(2,4966)	1:116:A:ILE:HD13	1:109:A:ILE:H	14	0.2
(2,4966)	1:116:A:ILE:HD11	1:109:A:ILE:H	17	0.2
(2,4966)	1:116:A:ILE:HD12	1:109:A:ILE:H	17	0.2
(2,4966)	1:116:A:ILE:HD13	1:109:A:ILE:H	17	0.2
(2,4957)	1:111:A:PRO:HD3	1:108:A:ILE:H	1	0.2
(2,4921)	1:102:A:LEU:HD11	1:102:A:LEU:H	12	0.2
(2,4921)	1:102:A:LEU:HD12	1:102:A:LEU:H	12	0.2
(2,4921)	1:102:A:LEU:HD13	1:102:A:LEU:H	12	0.2
(2,4863)	1:92:A:GLU:HG3	1:92:A:GLU:H	2	0.2
(2,4800)	1:81:A:LYS:HB3	1:81:A:LYS:H	19	0.2
(2,4752)	1:74:A:GLU:HG3	1:73:A:LEU:H	14	0.2
(2,4742)	1:73:A:LEU:HD11	1:70:A:PHE:H	17	0.2
(2,4742)	1:73:A:LEU:HD12	1:70:A:PHE:H	17	0.2
(2,4742)	1:73:A:LEU:HD13	1:70:A:PHE:H	17	0.2
(2,4515)	1:26:A:LEU:HD11	1:31:A:ALA:H	6	0.2
(2,4515)	1:26:A:LEU:HD12	1:31:A:ALA:H	6	0.2
(2,4515)	1:26:A:LEU:HD13	1:31:A:ALA:H	6	0.2
(2,4455)	1:22:A:ILE:HG12	1:22:A:ILE:H	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4455)	1:22:A:ILE:HG12	1:22:A:ILE:H	20	0.2
(2,4365)	1:32:A:ASP:HB2	1:6:A:ILE:H	7	0.2
(2,4255)	1:79:A:ASN:HD22	1:79:A:ASN:H	1	0.2
(2,3934)	1:91:A:GLN:HG2	1:92:A:GLU:H	14	0.2
(2,3921)	1:45:A:GLU:HB2	1:44:A:LEU:H	11	0.2
(2,3921)	1:45:A:GLU:HB2	1:44:A:LEU:H	17	0.2
(2,3903)	1:158:A:GLU:HG3	1:159:A:LYS:H	7	0.2
(2,3902)	1:158:A:GLU:HB3	1:159:A:LYS:H	3	0.2
(2,3880)	1:25:A:GLN:HB3	1:26:A:LEU:H	4	0.2
(2,3835)	1:155:A:GLU:HG3	1:155:A:GLU:H	13	0.2
(2,3788)	1:164:A:ILE:HA	1:167:A:GLU:H	6	0.2
(2,3715)	1:67:A:ASP:HB3	1:62:A:ALA:H	6	0.2
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	8	0.2
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	8	0.2
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	18	0.2
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	18	0.2
(2,3697)	1:30:A:VAL:HG11	1:31:A:ALA:H	4	0.2
(2,3697)	1:30:A:VAL:HG12	1:31:A:ALA:H	4	0.2
(2,3697)	1:30:A:VAL:HG13	1:31:A:ALA:H	4	0.2
(2,3661)	1:91:A:GLN:HG3	1:91:A:GLN:H	6	0.2
(2,3598)	1:82:A:LEU:HB3	1:82:A:LEU:H	6	0.2
(2,3575)	1:116:A:ILE:HG12	1:116:A:ILE:H	7	0.2
(2,3572)	1:116:A:ILE:HG12	1:116:A:ILE:H	7	0.2
(2,3551)	1:59:A:TYR:HE1	1:58:A:TYR:HB2	6	0.2
(2,3551)	1:59:A:TYR:HE2	1:58:A:TYR:HB2	6	0.2
(2,3431)	1:162:A:LYS:HA	1:163:A:GLN:HG3	13	0.2
(2,3342)	1:166:A:GLU:H	1:166:A:GLU:HB2	3	0.2
(2,3232)	1:161:A:VAL:H	1:142:A:LEU:HG	19	0.2
(2,3206)	1:141:A:GLY:HA3	1:140:A:VAL:HG11	19	0.2
(2,3206)	1:141:A:GLY:HA3	1:140:A:VAL:HG12	19	0.2
(2,3206)	1:141:A:GLY:HA3	1:140:A:VAL:HG13	19	0.2
(2,3125)	1:96:A:GLU:HB2	1:129:A:ALA:HB1	2	0.2
(2,3125)	1:96:A:GLU:HB2	1:129:A:ALA:HB2	2	0.2
(2,3125)	1:96:A:GLU:HB2	1:129:A:ALA:HB3	2	0.2
(2,3110)	1:95:A:ALA:H	1:128:A:GLU:HG3	5	0.2
(2,3095)	1:125:A:TYR:HD1	1:126:A:HIS:HB3	20	0.2
(2,3095)	1:125:A:TYR:HD2	1:126:A:HIS:HB3	20	0.2
(2,3058)	1:160:A:TRP:HD1	1:121:A:PRO:HD3	18	0.2
(2,2985)	1:163:A:GLN:HG2	1:160:A:TRP:HA	8	0.2
(2,2921)	1:110:A:GLU:HG2	1:110:A:GLU:HA	2	0.2
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD11	17	0.2
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD12	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD13	17	0.2
(2,2905)	1:52:A:LEU:HB3	1:109:A:ILE:HD11	14	0.2
(2,2905)	1:52:A:LEU:HB3	1:109:A:ILE:HD12	14	0.2
(2,2905)	1:52:A:LEU:HB3	1:109:A:ILE:HD13	14	0.2
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD11	2	0.2
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD12	2	0.2
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD13	2	0.2
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD11	14	0.2
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD12	14	0.2
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD13	14	0.2
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD11	16	0.2
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD12	16	0.2
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD13	16	0.2
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD11	16	0.2
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD12	16	0.2
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD13	16	0.2
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD11	16	0.2
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD12	16	0.2
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD13	16	0.2
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD11	8	0.2
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD12	8	0.2
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD13	8	0.2
(2,2775)	1:88:A:CYS:H	1:102:A:LEU:HD21	18	0.2
(2,2775)	1:88:A:CYS:H	1:102:A:LEU:HD22	18	0.2
(2,2775)	1:88:A:CYS:H	1:102:A:LEU:HD23	18	0.2
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB1	3	0.2
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB2	3	0.2
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB3	3	0.2
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB1	3	0.2
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB2	3	0.2
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB3	3	0.2
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB1	3	0.2
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB2	3	0.2
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB3	3	0.2
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB1	6	0.2
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB2	6	0.2
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB3	6	0.2
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB1	6	0.2
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB2	6	0.2
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB3	6	0.2
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB1	6	0.2
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB2	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB3	6	0.2
(2,2638)	1:87:A:GLY:HA2	1:88:A:CYS:HB2	16	0.2
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB1	7	0.2
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB2	7	0.2
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB3	7	0.2
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB1	7	0.2
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB2	7	0.2
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB3	7	0.2
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB1	7	0.2
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB2	7	0.2
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB3	7	0.2
(2,2566)	1:168:A:LEU:H	1:164:A:ILE:HG12	3	0.2
(2,2564)	1:150:A:PRO:HA	1:144:A:ILE:HG12	3	0.2
(2,2510)	1:113:A:GLY:HA2	1:79:A:ASN:HA	4	0.2
(2,2451)	1:108:A:ILE:HD11	1:74:A:GLU:HG3	2	0.2
(2,2451)	1:108:A:ILE:HD12	1:74:A:GLU:HG3	2	0.2
(2,2451)	1:108:A:ILE:HD13	1:74:A:GLU:HG3	2	0.2
(2,2451)	1:108:A:ILE:HD11	1:74:A:GLU:HG3	14	0.2
(2,2451)	1:108:A:ILE:HD12	1:74:A:GLU:HG3	14	0.2
(2,2451)	1:108:A:ILE:HD13	1:74:A:GLU:HG3	14	0.2
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD21	3	0.2
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD22	3	0.2
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD23	3	0.2
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD21	3	0.2
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD22	3	0.2
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD23	3	0.2
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD21	3	0.2
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD22	3	0.2
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD23	3	0.2
(2,2332)	1:156:A:ARG:HD2	1:156:A:ARG:HA	7	0.2
(2,2172)	1:84:A:ALA:HB1	1:51:A:LEU:HB2	5	0.2
(2,2172)	1:84:A:ALA:HB2	1:51:A:LEU:HB2	5	0.2
(2,2172)	1:84:A:ALA:HB3	1:51:A:LEU:HB2	5	0.2
(2,2172)	1:84:A:ALA:HB1	1:51:A:LEU:HB2	8	0.2
(2,2172)	1:84:A:ALA:HB2	1:51:A:LEU:HB2	8	0.2
(2,2172)	1:84:A:ALA:HB3	1:51:A:LEU:HB2	8	0.2
(2,1975)	1:159:A:LYS:H	1:158:A:GLU:HG3	7	0.2
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB3	17	0.2
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB2	17	0.2
(2,1820)	1:20:A:LYS:HG3	1:33:A:VAL:HG21	8	0.2
(2,1820)	1:20:A:LYS:HG3	1:33:A:VAL:HG22	8	0.2
(2,1820)	1:20:A:LYS:HG3	1:33:A:VAL:HG23	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG21	13	0.2
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG22	13	0.2
(2,1815)	1:20:A:LYS:HB2	1:33:A:VAL:HG23	13	0.2
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG11	11	0.2
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG12	11	0.2
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG13	11	0.2
(2,1698)	1:161:A:VAL:HA	1:26:A:LEU:HD11	15	0.2
(2,1698)	1:161:A:VAL:HA	1:26:A:LEU:HD12	15	0.2
(2,1698)	1:161:A:VAL:HA	1:26:A:LEU:HD13	15	0.2
(2,1662)	1:66:A:TRP:HE3	1:69:A:PHE:HB2	14	0.2
(2,1662)	1:66:A:TRP:HE3	1:69:A:PHE:HB2	20	0.2
(2,1647)	1:25:A:GLN:H	1:24:A:LYS:HD2	10	0.2
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD11	9	0.2
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD12	9	0.2
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD13	9	0.2
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD11	14	0.2
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD12	14	0.2
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD13	14	0.2
(2,1458)	1:71:A:PRO:HD2	1:68:A:ASP:HA	17	0.2
(2,1353)	1:6:A:ILE:HD11	1:23:A:GLN:HB3	11	0.2
(2,1353)	1:6:A:ILE:HD12	1:23:A:GLN:HB3	11	0.2
(2,1353)	1:6:A:ILE:HD13	1:23:A:GLN:HB3	11	0.2
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG21	16	0.2
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG22	16	0.2
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG23	16	0.2
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG21	16	0.2
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG22	16	0.2
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG23	16	0.2
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG21	16	0.2
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG22	16	0.2
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG23	16	0.2
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD21	13	0.2
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD22	13	0.2
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD23	13	0.2
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD21	13	0.2
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD22	13	0.2
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD23	13	0.2
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD21	13	0.2
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD22	13	0.2
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD23	13	0.2
(2,1230)	1:20:A:LYS:HG3	1:20:A:LYS:HE3	1	0.2
(2,1230)	1:20:A:LYS:HG3	1:20:A:LYS:HE3	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1230)	1:20:A:LYS:HG3	1:20:A:LYS:HE3	12	0.2
(2,1230)	1:20:A:LYS:HG3	1:20:A:LYS:HE3	19	0.2
(2,1194)	1:96:A:GLU:HG3	1:96:A:GLU:HA	19	0.2
(2,1163)	1:162:A:LYS:HD2	1:159:A:LYS:HA	14	0.2
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD11	17	0.2
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD12	17	0.2
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD13	17	0.2
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD11	13	0.2
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD12	13	0.2
(2,1001)	1:150:A:PRO:HB2	1:144:A:ILE:HD13	13	0.2
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD11	9	0.2
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD12	9	0.2
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD13	9	0.2
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG11	9	0.2
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG12	9	0.2
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG13	9	0.2
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD11	16	0.2
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD12	16	0.2
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD13	16	0.2
(2,512)	1:69:A:PHE:HE1	1:73:A:LEU:HD21	7	0.2
(2,512)	1:69:A:PHE:HE1	1:73:A:LEU:HD22	7	0.2
(2,512)	1:69:A:PHE:HE1	1:73:A:LEU:HD23	7	0.2
(2,512)	1:69:A:PHE:HE2	1:73:A:LEU:HD21	7	0.2
(2,512)	1:69:A:PHE:HE2	1:73:A:LEU:HD22	7	0.2
(2,512)	1:69:A:PHE:HE2	1:73:A:LEU:HD23	7	0.2
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD21	17	0.2
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD22	17	0.2
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD23	17	0.2
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD21	17	0.2
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD22	17	0.2
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD23	17	0.2
(2,501)	1:78:A:PHE:HE1	1:44:A:LEU:HD21	15	0.2
(2,501)	1:78:A:PHE:HE1	1:44:A:LEU:HD22	15	0.2
(2,501)	1:78:A:PHE:HE1	1:44:A:LEU:HD23	15	0.2
(2,501)	1:78:A:PHE:HE2	1:44:A:LEU:HD21	15	0.2
(2,501)	1:78:A:PHE:HE2	1:44:A:LEU:HD22	15	0.2
(2,501)	1:78:A:PHE:HE2	1:44:A:LEU:HD23	15	0.2
(2,472)	1:173:A:ILE:H	1:173:A:ILE:HG12	9	0.2
(2,472)	1:173:A:ILE:H	1:173:A:ILE:HG12	20	0.2
(2,417)	1:158:A:GLU:H	1:158:A:GLU:HG2	15	0.2
(2,335)	1:27:A:GLY:H	1:24:A:LYS:HA	9	0.2
(2,335)	1:27:A:GLY:H	1:24:A:LYS:HA	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,135)	1:142:A:LEU:HD11	1:120:A:TRP:HD1	8	0.2
(2,135)	1:142:A:LEU:HD12	1:120:A:TRP:HD1	8	0.2
(2,135)	1:142:A:LEU:HD13	1:120:A:TRP:HD1	8	0.2
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD1	9	0.2
(2,101)	1:44:A:LEU:H	1:47:A:TYR:HD2	9	0.2
(3,519)	1:140:A:VAL:HG21	1:104:A:THR:H	9	0.19
(3,519)	1:140:A:VAL:HG22	1:104:A:THR:H	9	0.19
(3,519)	1:140:A:VAL:HG23	1:104:A:THR:H	9	0.19
(3,378)	1:6:A:ILE:HG12	1:33:A:VAL:H	4	0.19
(3,157)	1:78:A:PHE:HD1	1:73:A:LEU:HB3	8	0.19
(3,157)	1:78:A:PHE:HD2	1:73:A:LEU:HB3	8	0.19
(3,157)	1:78:A:PHE:HD1	1:73:A:LEU:HB3	19	0.19
(3,157)	1:78:A:PHE:HD2	1:73:A:LEU:HB3	19	0.19
(3,72)	1:85:A:LEU:H	1:117:A:VAL:HG11	14	0.19
(3,72)	1:85:A:LEU:H	1:117:A:VAL:HG12	14	0.19
(3,72)	1:85:A:LEU:H	1:117:A:VAL:HG13	14	0.19
(3,58)	1:142:A:LEU:HG	1:144:A:ILE:HD11	12	0.19
(3,58)	1:142:A:LEU:HG	1:144:A:ILE:HD12	12	0.19
(3,58)	1:142:A:LEU:HG	1:144:A:ILE:HD13	12	0.19
(2,5384)	1:171:A:ASP:HA	1:173:A:ILE:H	4	0.19
(2,5384)	1:171:A:ASP:HA	1:173:A:ILE:H	11	0.19
(2,5384)	1:171:A:ASP:HA	1:173:A:ILE:H	13	0.19
(2,5336)	1:170:A:LEU:HD11	1:174:A:LEU:H	10	0.19
(2,5336)	1:170:A:LEU:HD12	1:174:A:LEU:H	10	0.19
(2,5336)	1:170:A:LEU:HD13	1:174:A:LEU:H	10	0.19
(2,5286)	1:168:A:LEU:HD21	1:166:A:GLU:H	5	0.19
(2,5286)	1:168:A:LEU:HD22	1:166:A:GLU:H	5	0.19
(2,5286)	1:168:A:LEU:HD23	1:166:A:GLU:H	5	0.19
(2,5260)	1:163:A:GLN:HB3	1:163:A:GLN:H	20	0.19
(2,5257)	1:162:A:LYS:HG2	1:162:A:LYS:H	7	0.19
(2,5242)	1:159:A:LYS:HG3	1:160:A:TRP:H	10	0.19
(2,5145)	1:156:A:ARG:HD2	1:145:A:ASP:H	18	0.19
(2,4974)	1:74:A:GLU:H	1:112:A:ARG:HE	11	0.19
(2,4966)	1:116:A:ILE:HD11	1:109:A:ILE:H	6	0.19
(2,4966)	1:116:A:ILE:HD12	1:109:A:ILE:H	6	0.19
(2,4966)	1:116:A:ILE:HD13	1:109:A:ILE:H	6	0.19
(2,4921)	1:102:A:LEU:HD11	1:102:A:LEU:H	3	0.19
(2,4921)	1:102:A:LEU:HD12	1:102:A:LEU:H	3	0.19
(2,4921)	1:102:A:LEU:HD13	1:102:A:LEU:H	3	0.19
(2,4806)	1:81:A:LYS:HG2	1:82:A:LEU:H	10	0.19
(2,4801)	1:114:A:ALA:HB1	1:81:A:LYS:H	20	0.19
(2,4801)	1:114:A:ALA:HB2	1:81:A:LYS:H	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4801)	1:114:A:ALA:HB3	1:81:A:LYS:H	20	0.19
(2,4800)	1:81:A:LYS:HB3	1:81:A:LYS:H	2	0.19
(2,4800)	1:81:A:LYS:HB3	1:81:A:LYS:H	12	0.19
(2,4800)	1:81:A:LYS:HB3	1:81:A:LYS:H	15	0.19
(2,4752)	1:74:A:GLU:HG3	1:73:A:LEU:H	1	0.19
(2,4752)	1:74:A:GLU:HG3	1:73:A:LEU:H	12	0.19
(2,4597)	1:172:A:GLU:HB2	1:173:A:ILE:H	6	0.19
(2,4543)	1:7:A:PHE:HB2	1:36:A:ILE:H	6	0.19
(2,4502)	1:28:A:LYS:HD2	1:29:A:ASP:H	6	0.19
(2,4488)	1:158:A:GLU:HA	1:25:A:GLN:HE21	17	0.19
(2,4455)	1:22:A:ILE:HG12	1:22:A:ILE:H	8	0.19
(2,4127)	1:162:A:LYS:HG2	1:25:A:GLN:HE21	5	0.19
(2,4059)	1:133:A:LEU:HB2	1:135:A:ASP:H	7	0.19
(2,4007)	1:20:A:LYS:HD2	1:20:A:LYS:H	4	0.19
(2,3933)	1:92:A:GLU:HB3	1:92:A:GLU:H	6	0.19
(2,3921)	1:45:A:GLU:HB2	1:44:A:LEU:H	7	0.19
(2,3903)	1:158:A:GLU:HG3	1:159:A:LYS:H	10	0.19
(2,3801)	1:27:A:GLY:HA3	1:30:A:VAL:H	13	0.19
(2,3801)	1:27:A:GLY:HA3	1:30:A:VAL:H	14	0.19
(2,3704)	1:151:A:GLU:HG2	1:151:A:GLU:H	6	0.19
(2,3629)	1:159:A:LYS:HB2	1:160:A:TRP:H	11	0.19
(2,3607)	1:77:A:ASP:HB2	1:77:A:ASP:H	2	0.19
(2,3607)	1:77:A:ASP:HB2	1:77:A:ASP:H	14	0.19
(2,3551)	1:59:A:TYR:HE1	1:58:A:TYR:HB2	15	0.19
(2,3551)	1:59:A:TYR:HE2	1:58:A:TYR:HB2	15	0.19
(2,3482)	1:82:A:LEU:HB2	1:168:A:LEU:HD21	6	0.19
(2,3482)	1:82:A:LEU:HB2	1:168:A:LEU:HD22	6	0.19
(2,3482)	1:82:A:LEU:HB2	1:168:A:LEU:HD23	6	0.19
(2,3431)	1:162:A:LYS:HA	1:163:A:GLN:HG3	6	0.19
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG11	10	0.19
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG12	10	0.19
(2,3378)	1:22:A:ILE:HG12	1:161:A:VAL:HG13	10	0.19
(2,3357)	1:142:A:LEU:HD11	1:160:A:TRP:HB2	14	0.19
(2,3357)	1:142:A:LEU:HD12	1:160:A:TRP:HB2	14	0.19
(2,3357)	1:142:A:LEU:HD13	1:160:A:TRP:HB2	14	0.19
(2,3294)	1:151:A:GLU:HG3	1:150:A:PRO:HA	5	0.19
(2,3217)	1:106:A:ARG:HB2	1:140:A:VAL:HG21	19	0.19
(2,3217)	1:106:A:ARG:HB2	1:140:A:VAL:HG22	19	0.19
(2,3217)	1:106:A:ARG:HB2	1:140:A:VAL:HG23	19	0.19
(2,3181)	1:119:A:HIS:HB2	1:134:A:ALA:HB1	10	0.19
(2,3181)	1:119:A:HIS:HB2	1:134:A:ALA:HB2	10	0.19
(2,3181)	1:119:A:HIS:HB2	1:134:A:ALA:HB3	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3139)	1:103:A:GLY:H	1:131:A:LYS:HB3	16	0.19
(2,3110)	1:95:A:ALA:H	1:128:A:GLU:HG3	2	0.19
(2,3110)	1:95:A:ALA:H	1:128:A:GLU:HG3	11	0.19
(2,3071)	1:133:A:LEU:HB2	1:122:A:THR:HG21	2	0.19
(2,3071)	1:133:A:LEU:HB2	1:122:A:THR:HG22	2	0.19
(2,3071)	1:133:A:LEU:HB2	1:122:A:THR:HG23	2	0.19
(2,2995)	1:82:A:LEU:HD21	1:115:A:THR:HG21	18	0.19
(2,2995)	1:82:A:LEU:HD21	1:115:A:THR:HG22	18	0.19
(2,2995)	1:82:A:LEU:HD21	1:115:A:THR:HG23	18	0.19
(2,2995)	1:82:A:LEU:HD22	1:115:A:THR:HG21	18	0.19
(2,2995)	1:82:A:LEU:HD22	1:115:A:THR:HG22	18	0.19
(2,2995)	1:82:A:LEU:HD22	1:115:A:THR:HG23	18	0.19
(2,2995)	1:82:A:LEU:HD23	1:115:A:THR:HG21	18	0.19
(2,2995)	1:82:A:LEU:HD23	1:115:A:THR:HG22	18	0.19
(2,2995)	1:82:A:LEU:HD23	1:115:A:THR:HG23	18	0.19
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG21	20	0.19
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG22	20	0.19
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG23	20	0.19
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD11	9	0.19
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD12	9	0.19
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD13	9	0.19
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD11	9	0.19
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD12	9	0.19
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD13	9	0.19
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD11	9	0.19
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD12	9	0.19
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD13	9	0.19
(2,2638)	1:87:A:GLY:HA2	1:88:A:CYS:HB2	14	0.19
(2,2455)	1:72:A:THR:HA	1:75:A:GLU:HG2	10	0.19
(2,2455)	1:72:A:THR:HA	1:75:A:GLU:HG2	15	0.19
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD21	4	0.19
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD22	4	0.19
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD23	4	0.19
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD21	16	0.19
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD22	16	0.19
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD23	16	0.19
(2,2402)	1:68:A:ASP:HA	1:71:A:PRO:HD3	14	0.19
(2,2338)	1:158:A:GLU:HG3	1:158:A:GLU:HA	5	0.19
(2,2338)	1:158:A:GLU:HG3	1:158:A:GLU:HA	20	0.19
(2,2332)	1:156:A:ARG:HD2	1:156:A:ARG:HA	1	0.19
(2,2330)	1:37:A:ALA:HA	1:65:A:ASP:HB2	12	0.19
(2,2182)	1:6:A:ILE:HG12	1:51:A:LEU:HG	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2172)	1:84:A:ALA:HB1	1:51:A:LEU:HB2	19	0.19
(2,2172)	1:84:A:ALA:HB2	1:51:A:LEU:HB2	19	0.19
(2,2172)	1:84:A:ALA:HB3	1:51:A:LEU:HB2	19	0.19
(2,2159)	1:51:A:LEU:HG	1:51:A:LEU:HA	10	0.19
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG21	11	0.19
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG22	11	0.19
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG23	11	0.19
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG21	13	0.19
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG22	13	0.19
(2,2149)	1:25:A:GLN:HB2	1:161:A:VAL:HG23	13	0.19
(2,2130)	1:120:A:TRP:HH2	1:159:A:LYS:HG2	8	0.19
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG21	4	0.19
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG22	4	0.19
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG23	4	0.19
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG21	4	0.19
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG22	4	0.19
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG23	4	0.19
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG21	4	0.19
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG22	4	0.19
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG23	4	0.19
(2,2053)	1:97:A:TYR:HE1	1:96:A:GLU:HG2	4	0.19
(2,2053)	1:97:A:TYR:HE2	1:96:A:GLU:HG2	4	0.19
(2,2009)	1:39:A:SER:HB3	1:43:A:ASP:HB2	16	0.19
(2,1981)	1:41:A:LYS:HG2	1:45:A:GLU:HG2	5	0.19
(2,1975)	1:159:A:LYS:H	1:158:A:GLU:HG3	10	0.19
(2,1959)	1:75:A:GLU:HA	1:41:A:LYS:HE2	5	0.19
(2,1959)	1:75:A:GLU:HA	1:41:A:LYS:HE2	14	0.19
(2,1884)	1:65:A:ASP:HB2	1:37:A:ALA:HA	12	0.19
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG11	8	0.19
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG12	8	0.19
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG13	8	0.19
(2,1752)	1:6:A:ILE:HD11	1:23:A:GLN:HG2	12	0.19
(2,1752)	1:6:A:ILE:HD12	1:23:A:GLN:HG2	12	0.19
(2,1752)	1:6:A:ILE:HD13	1:23:A:GLN:HG2	12	0.19
(2,1698)	1:161:A:VAL:HA	1:26:A:LEU:HD11	11	0.19
(2,1698)	1:161:A:VAL:HA	1:26:A:LEU:HD12	11	0.19
(2,1698)	1:161:A:VAL:HA	1:26:A:LEU:HD13	11	0.19
(2,1563)	1:18:A:ILE:HD11	1:21:A:MET:HG3	7	0.19
(2,1563)	1:18:A:ILE:HD12	1:21:A:MET:HG3	7	0.19
(2,1563)	1:18:A:ILE:HD13	1:21:A:MET:HG3	7	0.19
(2,1563)	1:18:A:ILE:HD11	1:21:A:MET:HG2	7	0.19
(2,1563)	1:18:A:ILE:HD12	1:21:A:MET:HG2	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1563)	1:18:A:ILE:HD13	1:21:A:MET:HG2	7	0.19
(2,1563)	1:18:A:ILE:HD11	1:21:A:MET:HG3	9	0.19
(2,1563)	1:18:A:ILE:HD12	1:21:A:MET:HG3	9	0.19
(2,1563)	1:18:A:ILE:HD13	1:21:A:MET:HG3	9	0.19
(2,1563)	1:18:A:ILE:HD11	1:21:A:MET:HG2	9	0.19
(2,1563)	1:18:A:ILE:HD12	1:21:A:MET:HG2	9	0.19
(2,1563)	1:18:A:ILE:HD13	1:21:A:MET:HG2	9	0.19
(2,1529)	1:20:A:LYS:H	1:20:A:LYS:HD2	8	0.19
(2,1526)	1:33:A:VAL:HB	1:20:A:LYS:HG3	12	0.19
(2,1509)	1:130:A:SER:H	1:128:A:GLU:HB3	19	0.19
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD11	13	0.19
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD12	13	0.19
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD13	13	0.19
(2,1353)	1:6:A:ILE:HD11	1:23:A:GLN:HB3	17	0.19
(2,1353)	1:6:A:ILE:HD12	1:23:A:GLN:HB3	17	0.19
(2,1353)	1:6:A:ILE:HD13	1:23:A:GLN:HB3	17	0.19
(2,1324)	1:50:A:LEU:HD11	1:83:A:VAL:HG21	20	0.19
(2,1324)	1:50:A:LEU:HD11	1:83:A:VAL:HG22	20	0.19
(2,1324)	1:50:A:LEU:HD11	1:83:A:VAL:HG23	20	0.19
(2,1324)	1:50:A:LEU:HD12	1:83:A:VAL:HG21	20	0.19
(2,1324)	1:50:A:LEU:HD12	1:83:A:VAL:HG22	20	0.19
(2,1324)	1:50:A:LEU:HD12	1:83:A:VAL:HG23	20	0.19
(2,1324)	1:50:A:LEU:HD13	1:83:A:VAL:HG21	20	0.19
(2,1324)	1:50:A:LEU:HD13	1:83:A:VAL:HG22	20	0.19
(2,1324)	1:50:A:LEU:HD13	1:83:A:VAL:HG23	20	0.19
(2,1281)	1:2:A:ALA:HA	1:3:A:ILE:HD11	14	0.19
(2,1281)	1:2:A:ALA:HA	1:3:A:ILE:HD12	14	0.19
(2,1281)	1:2:A:ALA:HA	1:3:A:ILE:HD13	14	0.19
(2,1226)	1:38:A:LYS:HG2	1:38:A:LYS:HE3	12	0.19
(2,1194)	1:96:A:GLU:HG3	1:96:A:GLU:HA	17	0.19
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG21	16	0.19
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG22	16	0.19
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG23	16	0.19
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG21	17	0.19
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG22	17	0.19
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG23	17	0.19
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB1	10	0.19
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB2	10	0.19
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB3	10	0.19
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB1	13	0.19
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB2	13	0.19
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB3	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB1	17	0.19
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB2	17	0.19
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB3	17	0.19
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD11	18	0.19
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD12	18	0.19
(2,1004)	1:43:A:ASP:HB2	1:44:A:LEU:HD13	18	0.19
(2,917)	1:4:A:THR:HB	1:49:A:ILE:HG21	3	0.19
(2,917)	1:4:A:THR:HB	1:49:A:ILE:HG22	3	0.19
(2,917)	1:4:A:THR:HB	1:49:A:ILE:HG23	3	0.19
(2,877)	1:162:A:LYS:HA	1:161:A:VAL:HG11	5	0.19
(2,877)	1:162:A:LYS:HA	1:161:A:VAL:HG12	5	0.19
(2,877)	1:162:A:LYS:HA	1:161:A:VAL:HG13	5	0.19
(2,877)	1:162:A:LYS:HA	1:161:A:VAL:HG11	10	0.19
(2,877)	1:162:A:LYS:HA	1:161:A:VAL:HG12	10	0.19
(2,877)	1:162:A:LYS:HA	1:161:A:VAL:HG13	10	0.19
(2,850)	1:171:A:ASP:HA	1:174:A:LEU:HD21	2	0.19
(2,850)	1:171:A:ASP:HA	1:174:A:LEU:HD22	2	0.19
(2,850)	1:171:A:ASP:HA	1:174:A:LEU:HD23	2	0.19
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD11	14	0.19
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD12	14	0.19
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD13	14	0.19
(2,731)	1:170:A:LEU:HA	1:173:A:ILE:HB	6	0.19
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD11	20	0.19
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD12	20	0.19
(2,519)	1:66:A:TRP:HZ2	1:52:A:LEU:HD13	20	0.19
(2,472)	1:173:A:ILE:H	1:173:A:ILE:HG12	8	0.19
(2,450)	1:25:A:GLN:HE21	1:161:A:VAL:HB	6	0.19
(2,395)	1:175:A:ASN:H	1:175:A:ASN:HB2	1	0.19
(2,352)	1:80:A:GLY:H	1:80:A:GLY:HA2	18	0.19
(2,335)	1:27:A:GLY:H	1:24:A:LYS:HA	2	0.19
(2,335)	1:27:A:GLY:H	1:24:A:LYS:HA	7	0.19
(2,335)	1:27:A:GLY:H	1:24:A:LYS:HA	12	0.19
(2,335)	1:27:A:GLY:H	1:24:A:LYS:HA	15	0.19
(2,335)	1:27:A:GLY:H	1:24:A:LYS:HA	16	0.19
(2,197)	1:41:A:LYS:H	1:40:A:SER:HB2	19	0.19
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD1	14	0.19
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD2	14	0.19
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD1	9	0.19
(2,104)	1:59:A:TYR:HD1	1:97:A:TYR:HD2	9	0.19
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD1	9	0.19
(2,104)	1:59:A:TYR:HD2	1:97:A:TYR:HD2	9	0.19
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE1	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE2	10	0.19
(2,84)	1:159:A:LYS:HG3	1:120:A:TRP:HH2	5	0.19
(3,658)	1:170:A:LEU:HB3	1:166:A:GLU:H	19	0.18
(3,145)	1:102:A:LEU:HD11	1:54:A:ILE:HB	3	0.18
(3,145)	1:102:A:LEU:HD12	1:54:A:ILE:HB	3	0.18
(3,145)	1:102:A:LEU:HD13	1:54:A:ILE:HB	3	0.18
(2,5384)	1:171:A:ASP:HA	1:173:A:ILE:H	17	0.18
(2,5309)	1:169:A:HIS:HB2	1:169:A:HIS:H	8	0.18
(2,5301)	1:164:A:ILE:HD11	1:168:A:LEU:H	5	0.18
(2,5301)	1:164:A:ILE:HD12	1:168:A:LEU:H	5	0.18
(2,5301)	1:164:A:ILE:HD13	1:168:A:LEU:H	5	0.18
(2,5298)	1:167:A:GLU:HB3	1:168:A:LEU:H	4	0.18
(2,5298)	1:167:A:GLU:HB3	1:168:A:LEU:H	12	0.18
(2,5298)	1:167:A:GLU:HB3	1:168:A:LEU:H	15	0.18
(2,5266)	1:118:A:GLY:HA3	1:164:A:ILE:H	2	0.18
(2,5260)	1:163:A:GLN:HB3	1:163:A:GLN:H	11	0.18
(2,5238)	1:25:A:GLN:HE22	1:160:A:TRP:H	20	0.18
(2,5145)	1:156:A:ARG:HD2	1:145:A:ASP:H	14	0.18
(2,5143)	1:144:A:ILE:HG12	1:144:A:ILE:H	2	0.18
(2,5069)	1:130:A:SER:HB3	1:133:A:LEU:H	11	0.18
(2,4966)	1:116:A:ILE:HD11	1:109:A:ILE:H	1	0.18
(2,4966)	1:116:A:ILE:HD12	1:109:A:ILE:H	1	0.18
(2,4966)	1:116:A:ILE:HD13	1:109:A:ILE:H	1	0.18
(2,4966)	1:116:A:ILE:HD11	1:109:A:ILE:H	4	0.18
(2,4966)	1:116:A:ILE:HD12	1:109:A:ILE:H	4	0.18
(2,4966)	1:116:A:ILE:HD13	1:109:A:ILE:H	4	0.18
(2,4966)	1:116:A:ILE:HD11	1:109:A:ILE:H	9	0.18
(2,4966)	1:116:A:ILE:HD12	1:109:A:ILE:H	9	0.18
(2,4966)	1:116:A:ILE:HD13	1:109:A:ILE:H	9	0.18
(2,4966)	1:116:A:ILE:HD11	1:109:A:ILE:H	19	0.18
(2,4966)	1:116:A:ILE:HD12	1:109:A:ILE:H	19	0.18
(2,4966)	1:116:A:ILE:HD13	1:109:A:ILE:H	19	0.18
(2,4921)	1:102:A:LEU:HD11	1:102:A:LEU:H	4	0.18
(2,4921)	1:102:A:LEU:HD12	1:102:A:LEU:H	4	0.18
(2,4921)	1:102:A:LEU:HD13	1:102:A:LEU:H	4	0.18
(2,4800)	1:81:A:LYS:HB3	1:81:A:LYS:H	8	0.18
(2,4800)	1:81:A:LYS:HB3	1:81:A:LYS:H	11	0.18
(2,4800)	1:81:A:LYS:HB3	1:81:A:LYS:H	13	0.18
(2,4800)	1:81:A:LYS:HB3	1:81:A:LYS:H	17	0.18
(2,4752)	1:74:A:GLU:HG3	1:73:A:LEU:H	18	0.18
(2,4742)	1:73:A:LEU:HD11	1:70:A:PHE:H	19	0.18
(2,4742)	1:73:A:LEU:HD12	1:70:A:PHE:H	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4742)	1:73:A:LEU:HD13	1:70:A:PHE:H	19	0.18
(2,4507)	1:28:A:LYS:HB2	1:30:A:VAL:H	18	0.18
(2,4491)	1:161:A:VAL:HG21	1:26:A:LEU:H	13	0.18
(2,4491)	1:161:A:VAL:HG22	1:26:A:LEU:H	13	0.18
(2,4491)	1:161:A:VAL:HG23	1:26:A:LEU:H	13	0.18
(2,4463)	1:21:A:MET:HA	1:23:A:GLN:H	7	0.18
(2,4383)	1:66:A:TRP:HZ3	1:9:A:GLY:H	10	0.18
(2,4383)	1:66:A:TRP:HZ3	1:9:A:GLY:H	13	0.18
(2,4365)	1:32:A:ASP:HB2	1:6:A:ILE:H	12	0.18
(2,4180)	1:102:A:LEU:HD11	1:87:A:GLY:H	6	0.18
(2,4180)	1:102:A:LEU:HD12	1:87:A:GLY:H	6	0.18
(2,4180)	1:102:A:LEU:HD13	1:87:A:GLY:H	6	0.18
(2,4133)	1:109:A:ILE:HB	1:109:A:ILE:H	20	0.18
(2,4127)	1:162:A:LYS:HG2	1:25:A:GLN:HE21	12	0.18
(2,4113)	1:167:A:GLU:HA	1:169:A:HIS:H	11	0.18
(2,4079)	1:85:A:LEU:HD11	1:86:A:PHE:H	4	0.18
(2,4079)	1:85:A:LEU:HD12	1:86:A:PHE:H	4	0.18
(2,4079)	1:85:A:LEU:HD13	1:86:A:PHE:H	4	0.18
(2,4059)	1:133:A:LEU:HB2	1:135:A:ASP:H	8	0.18
(2,4007)	1:20:A:LYS:HD2	1:20:A:LYS:H	3	0.18
(2,4007)	1:20:A:LYS:HD2	1:20:A:LYS:H	5	0.18
(2,4007)	1:20:A:LYS:HD2	1:20:A:LYS:H	10	0.18
(2,4007)	1:20:A:LYS:HD2	1:20:A:LYS:H	13	0.18
(2,3997)	1:30:A:VAL:HG11	1:3:A:ILE:H	16	0.18
(2,3997)	1:30:A:VAL:HG12	1:3:A:ILE:H	16	0.18
(2,3997)	1:30:A:VAL:HG13	1:3:A:ILE:H	16	0.18
(2,3921)	1:45:A:GLU:HB2	1:44:A:LEU:H	18	0.18
(2,3903)	1:158:A:GLU:HG3	1:159:A:LYS:H	1	0.18
(2,3903)	1:158:A:GLU:HG3	1:159:A:LYS:H	12	0.18
(2,3903)	1:158:A:GLU:HG3	1:159:A:LYS:H	18	0.18
(2,3783)	1:92:A:GLU:HG3	1:93:A:ASP:H	1	0.18
(2,3763)	1:32:A:ASP:HB2	1:32:A:ASP:H	20	0.18
(2,3756)	1:163:A:GLN:HG3	1:163:A:GLN:H	14	0.18
(2,3751)	1:117:A:VAL:HG21	1:83:A:VAL:H	7	0.18
(2,3751)	1:117:A:VAL:HG22	1:83:A:VAL:H	7	0.18
(2,3751)	1:117:A:VAL:HG23	1:83:A:VAL:H	7	0.18
(2,3712)	1:82:A:LEU:HD21	1:117:A:VAL:H	17	0.18
(2,3712)	1:82:A:LEU:HD22	1:117:A:VAL:H	17	0.18
(2,3712)	1:82:A:LEU:HD23	1:117:A:VAL:H	17	0.18
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	20	0.18
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	20	0.18
(2,3697)	1:30:A:VAL:HG11	1:31:A:ALA:H	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3697)	1:30:A:VAL:HG12	1:31:A:ALA:H	1	0.18
(2,3697)	1:30:A:VAL:HG13	1:31:A:ALA:H	1	0.18
(2,3607)	1:77:A:ASP:HB2	1:77:A:ASP:H	9	0.18
(2,3607)	1:77:A:ASP:HB2	1:77:A:ASP:H	15	0.18
(2,3575)	1:116:A:ILE:HG12	1:116:A:ILE:H	3	0.18
(2,3575)	1:116:A:ILE:HG12	1:116:A:ILE:H	17	0.18
(2,3572)	1:116:A:ILE:HG12	1:116:A:ILE:H	3	0.18
(2,3572)	1:116:A:ILE:HG12	1:116:A:ILE:H	17	0.18
(2,3470)	1:163:A:GLN:HA	1:166:A:GLU:HG3	17	0.18
(2,3433)	1:162:A:LYS:H	1:163:A:GLN:HG3	13	0.18
(2,3425)	1:131:A:LYS:HB3	1:131:A:LYS:HE2	13	0.18
(2,3388)	1:112:A:ARG:HB3	1:78:A:PHE:HA	1	0.18
(2,3342)	1:166:A:GLU:H	1:166:A:GLU:HB2	2	0.18
(2,3206)	1:141:A:GLY:HA3	1:140:A:VAL:HG11	12	0.18
(2,3206)	1:141:A:GLY:HA3	1:140:A:VAL:HG12	12	0.18
(2,3206)	1:141:A:GLY:HA3	1:140:A:VAL:HG13	12	0.18
(2,3138)	1:91:A:GLN:H	1:91:A:GLN:HG3	5	0.18
(2,3129)	1:133:A:LEU:H	1:130:A:SER:HB3	11	0.18
(2,3110)	1:95:A:ALA:H	1:128:A:GLU:HG3	7	0.18
(2,3095)	1:125:A:TYR:HD1	1:126:A:HIS:HB3	16	0.18
(2,3095)	1:125:A:TYR:HD2	1:126:A:HIS:HB3	16	0.18
(2,3058)	1:160:A:TRP:HD1	1:121:A:PRO:HD3	1	0.18
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG21	13	0.18
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG22	13	0.18
(2,3022)	1:115:A:THR:HG21	1:117:A:VAL:HG23	13	0.18
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG21	13	0.18
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG22	13	0.18
(2,3022)	1:115:A:THR:HG22	1:117:A:VAL:HG23	13	0.18
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG21	13	0.18
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG22	13	0.18
(2,3022)	1:115:A:THR:HG23	1:117:A:VAL:HG23	13	0.18
(2,2985)	1:163:A:GLN:HG2	1:160:A:TRP:HA	1	0.18
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG21	5	0.18
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG22	5	0.18
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG23	5	0.18
(2,2904)	1:116:A:ILE:HG12	1:109:A:ILE:HD11	6	0.18
(2,2904)	1:116:A:ILE:HG12	1:109:A:ILE:HD12	6	0.18
(2,2904)	1:116:A:ILE:HG12	1:109:A:ILE:HD13	6	0.18
(2,2904)	1:116:A:ILE:HG12	1:109:A:ILE:HD11	12	0.18
(2,2904)	1:116:A:ILE:HG12	1:109:A:ILE:HD12	12	0.18
(2,2904)	1:116:A:ILE:HG12	1:109:A:ILE:HD13	12	0.18
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD11	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD12	3	0.18
(2,2872)	1:74:A:GLU:HG3	1:108:A:ILE:HD13	3	0.18
(2,2871)	1:74:A:GLU:HB2	1:108:A:ILE:HD11	10	0.18
(2,2871)	1:74:A:GLU:HB2	1:108:A:ILE:HD12	10	0.18
(2,2871)	1:74:A:GLU:HB2	1:108:A:ILE:HD13	10	0.18
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD11	11	0.18
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD12	11	0.18
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD13	11	0.18
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD21	6	0.18
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD22	6	0.18
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD23	6	0.18
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB1	4	0.18
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB2	4	0.18
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB3	4	0.18
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB1	19	0.18
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB2	19	0.18
(2,2703)	1:128:A:GLU:HB3	1:95:A:ALA:HB3	19	0.18
(2,2451)	1:108:A:ILE:HD11	1:74:A:GLU:HG3	3	0.18
(2,2451)	1:108:A:ILE:HD12	1:74:A:GLU:HG3	3	0.18
(2,2451)	1:108:A:ILE:HD13	1:74:A:GLU:HG3	3	0.18
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD21	11	0.18
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD22	11	0.18
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD23	11	0.18
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD21	19	0.18
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD22	19	0.18
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD23	19	0.18
(2,2332)	1:156:A:ARG:HD2	1:156:A:ARG:HA	13	0.18
(2,2332)	1:156:A:ARG:HD2	1:156:A:ARG:HA	14	0.18
(2,2298)	1:41:A:LYS:HE3	1:75:A:GLU:HG3	5	0.18
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD11	6	0.18
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD12	6	0.18
(2,2245)	1:78:A:PHE:HD1	1:109:A:ILE:HD13	6	0.18
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD11	6	0.18
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD12	6	0.18
(2,2245)	1:78:A:PHE:HD2	1:109:A:ILE:HD13	6	0.18
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD11	10	0.18
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD12	10	0.18
(2,2186)	1:22:A:ILE:HG12	1:51:A:LEU:HD13	10	0.18
(2,2184)	1:48:A:ASP:HA	1:81:A:LYS:HD2	5	0.18
(2,2130)	1:120:A:TRP:HH2	1:159:A:LYS:HG2	11	0.18
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG21	16	0.18
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG22	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG23	16	0.18
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG21	16	0.18
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG22	16	0.18
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG23	16	0.18
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG21	16	0.18
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG22	16	0.18
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG23	16	0.18
(2,2053)	1:97:A:TYR:HE1	1:96:A:GLU:HG2	19	0.18
(2,2053)	1:97:A:TYR:HE2	1:96:A:GLU:HG2	19	0.18
(2,1975)	1:159:A:LYS:H	1:158:A:GLU:HG3	1	0.18
(2,1975)	1:159:A:LYS:H	1:158:A:GLU:HG3	12	0.18
(2,1975)	1:159:A:LYS:H	1:158:A:GLU:HG3	18	0.18
(2,1972)	1:159:A:LYS:H	1:158:A:GLU:HG2	8	0.18
(2,1972)	1:159:A:LYS:H	1:158:A:GLU:HG2	11	0.18
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG21	18	0.18
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG22	18	0.18
(2,1878)	1:9:A:GLY:HA2	1:36:A:ILE:HG23	18	0.18
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG11	2	0.18
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG12	2	0.18
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG13	2	0.18
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD11	18	0.18
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD12	18	0.18
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD13	18	0.18
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD11	18	0.18
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD12	18	0.18
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD13	18	0.18
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD11	18	0.18
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD12	18	0.18
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD13	18	0.18
(2,1675)	1:22:A:ILE:HA	1:25:A:GLN:HG2	14	0.18
(2,1675)	1:22:A:ILE:HA	1:25:A:GLN:HG2	19	0.18
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG11	18	0.18
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG12	18	0.18
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG13	18	0.18
(2,1535)	1:16:A:GLU:HG2	1:20:A:LYS:HD2	3	0.18
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD11	2	0.18
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD12	2	0.18
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD13	2	0.18
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG21	7	0.18
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG22	7	0.18
(2,1442)	1:55:A:PRO:HB2	1:15:A:THR:HG23	7	0.18
(2,1353)	1:6:A:ILE:HD11	1:23:A:GLN:HB3	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1353)	1:6:A:ILE:HD12	1:23:A:GLN:HB3	1	0.18
(2,1353)	1:6:A:ILE:HD13	1:23:A:GLN:HB3	1	0.18
(2,1353)	1:6:A:ILE:HD11	1:23:A:GLN:HB3	14	0.18
(2,1353)	1:6:A:ILE:HD12	1:23:A:GLN:HB3	14	0.18
(2,1353)	1:6:A:ILE:HD13	1:23:A:GLN:HB3	14	0.18
(2,1351)	1:51:A:LEU:HB3	1:6:A:ILE:HG12	12	0.18
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG21	13	0.18
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG22	13	0.18
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG23	13	0.18
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG21	13	0.18
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG22	13	0.18
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG23	13	0.18
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG21	13	0.18
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG22	13	0.18
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG23	13	0.18
(2,1321)	1:49:A:ILE:HG12	1:4:A:THR:HG21	4	0.18
(2,1321)	1:49:A:ILE:HG12	1:4:A:THR:HG22	4	0.18
(2,1321)	1:49:A:ILE:HG12	1:4:A:THR:HG23	4	0.18
(2,1281)	1:2:A:ALA:HA	1:3:A:ILE:HD11	20	0.18
(2,1281)	1:2:A:ALA:HA	1:3:A:ILE:HD12	20	0.18
(2,1281)	1:2:A:ALA:HA	1:3:A:ILE:HD13	20	0.18
(2,1226)	1:38:A:LYS:HG2	1:38:A:LYS:HE3	19	0.18
(2,1194)	1:96:A:GLU:HG3	1:96:A:GLU:HA	12	0.18
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD21	4	0.18
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD22	4	0.18
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD23	4	0.18
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD21	4	0.18
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD22	4	0.18
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD23	4	0.18
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD21	4	0.18
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD22	4	0.18
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD23	4	0.18
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG21	13	0.18
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG22	13	0.18
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG23	13	0.18
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG21	18	0.18
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG22	18	0.18
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG23	18	0.18
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD21	14	0.18
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD22	14	0.18
(2,1018)	1:151:A:GLU:HG3	1:152:A:LEU:HD23	14	0.18
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD21	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD22	14	0.18
(2,1018)	1:151:A:GLU:HG2	1:152:A:LEU:HD23	14	0.18
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB1	2	0.18
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB2	2	0.18
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB3	2	0.18
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD11	13	0.18
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD12	13	0.18
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD13	13	0.18
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD11	13	0.18
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD12	13	0.18
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD13	13	0.18
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD11	13	0.18
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD12	13	0.18
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD13	13	0.18
(2,877)	1:162:A:LYS:HA	1:161:A:VAL:HG11	18	0.18
(2,877)	1:162:A:LYS:HA	1:161:A:VAL:HG12	18	0.18
(2,877)	1:162:A:LYS:HA	1:161:A:VAL:HG13	18	0.18
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD11	6	0.18
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD12	6	0.18
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD13	6	0.18
(2,791)	1:38:A:LYS:HA	1:38:A:LYS:HD3	4	0.18
(2,731)	1:170:A:LEU:HA	1:173:A:ILE:HB	18	0.18
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD11	7	0.18
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD12	7	0.18
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD13	7	0.18
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG11	7	0.18
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG12	7	0.18
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG13	7	0.18
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD21	1	0.18
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD22	1	0.18
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD23	1	0.18
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD21	4	0.18
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD22	4	0.18
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD23	4	0.18
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD21	4	0.18
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD22	4	0.18
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD23	4	0.18
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD11	9	0.18
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD12	9	0.18
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD13	9	0.18
(2,472)	1:173:A:ILE:H	1:173:A:ILE:HG12	13	0.18
(2,472)	1:173:A:ILE:H	1:173:A:ILE:HG12	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,422)	1:165:A:SER:H	1:166:A:GLU:HG2	13	0.18
(2,335)	1:27:A:GLY:H	1:24:A:LYS:HA	10	0.18
(2,335)	1:27:A:GLY:H	1:24:A:LYS:HA	19	0.18
(3,658)	1:170:A:LEU:HB3	1:166:A:GLU:H	14	0.17
(3,571)	1:133:A:LEU:HD11	1:127:A:PHE:H	18	0.17
(3,571)	1:133:A:LEU:HD12	1:127:A:PHE:H	18	0.17
(3,571)	1:133:A:LEU:HD13	1:127:A:PHE:H	18	0.17
(3,522)	1:108:A:ILE:HG12	1:105:A:ILE:H	11	0.17
(3,519)	1:140:A:VAL:HG21	1:104:A:THR:H	20	0.17
(3,519)	1:140:A:VAL:HG22	1:104:A:THR:H	20	0.17
(3,519)	1:140:A:VAL:HG23	1:104:A:THR:H	20	0.17
(2,5384)	1:171:A:ASP:HA	1:173:A:ILE:H	19	0.17
(2,5347)	1:171:A:ASP:HA	1:175:A:ASN:HD21	7	0.17
(2,5334)	1:172:A:GLU:HB2	1:174:A:LEU:H	4	0.17
(2,5324)	1:166:A:GLU:HB2	1:171:A:ASP:H	7	0.17
(2,5323)	1:172:A:GLU:HG2	1:171:A:ASP:H	13	0.17
(2,5322)	1:169:A:HIS:HB2	1:171:A:ASP:H	15	0.17
(2,5309)	1:169:A:HIS:HB2	1:169:A:HIS:H	12	0.17
(2,5309)	1:169:A:HIS:HB2	1:169:A:HIS:H	17	0.17
(2,5309)	1:169:A:HIS:HB2	1:169:A:HIS:H	18	0.17
(2,5298)	1:167:A:GLU:HB3	1:168:A:LEU:H	16	0.17
(2,5298)	1:167:A:GLU:HB3	1:168:A:LEU:H	19	0.17
(2,5283)	1:167:A:GLU:HG3	1:166:A:GLU:H	12	0.17
(2,5245)	1:142:A:LEU:HD11	1:160:A:TRP:H	18	0.17
(2,5245)	1:142:A:LEU:HD12	1:160:A:TRP:H	18	0.17
(2,5245)	1:142:A:LEU:HD13	1:160:A:TRP:H	18	0.17
(2,5242)	1:159:A:LYS:HG3	1:160:A:TRP:H	8	0.17
(2,5235)	1:152:A:LEU:HD11	1:156:A:ARG:HE	4	0.17
(2,5235)	1:152:A:LEU:HD12	1:156:A:ARG:HE	4	0.17
(2,5235)	1:152:A:LEU:HD13	1:156:A:ARG:HE	4	0.17
(2,5235)	1:152:A:LEU:HD11	1:156:A:ARG:HE	7	0.17
(2,5235)	1:152:A:LEU:HD12	1:156:A:ARG:HE	7	0.17
(2,5235)	1:152:A:LEU:HD13	1:156:A:ARG:HE	7	0.17
(2,5235)	1:152:A:LEU:HD11	1:156:A:ARG:HE	18	0.17
(2,5235)	1:152:A:LEU:HD12	1:156:A:ARG:HE	18	0.17
(2,5235)	1:152:A:LEU:HD13	1:156:A:ARG:HE	18	0.17
(2,5147)	1:146:A:GLU:HB3	1:145:A:ASP:H	19	0.17
(2,5122)	1:140:A:VAL:HG11	1:142:A:LEU:H	15	0.17
(2,5122)	1:140:A:VAL:HG12	1:142:A:LEU:H	15	0.17
(2,5122)	1:140:A:VAL:HG13	1:142:A:LEU:H	15	0.17
(2,5065)	1:131:A:LYS:HB2	1:132:A:GLY:H	8	0.17
(2,5065)	1:131:A:LYS:HB2	1:132:A:GLY:H	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4966)	1:116:A:ILE:HD11	1:109:A:ILE:H	2	0.17
(2,4966)	1:116:A:ILE:HD12	1:109:A:ILE:H	2	0.17
(2,4966)	1:116:A:ILE:HD13	1:109:A:ILE:H	2	0.17
(2,4966)	1:116:A:ILE:HD11	1:109:A:ILE:H	3	0.17
(2,4966)	1:116:A:ILE:HD12	1:109:A:ILE:H	3	0.17
(2,4966)	1:116:A:ILE:HD13	1:109:A:ILE:H	3	0.17
(2,4800)	1:81:A:LYS:HB3	1:81:A:LYS:H	5	0.17
(2,4800)	1:81:A:LYS:HB3	1:81:A:LYS:H	7	0.17
(2,4784)	1:113:A:GLY:HA2	1:78:A:PHE:H	18	0.17
(2,4752)	1:74:A:GLU:HG3	1:73:A:LEU:H	6	0.17
(2,4742)	1:73:A:LEU:HD11	1:70:A:PHE:H	14	0.17
(2,4742)	1:73:A:LEU:HD12	1:70:A:PHE:H	14	0.17
(2,4742)	1:73:A:LEU:HD13	1:70:A:PHE:H	14	0.17
(2,4660)	1:83:A:VAL:HG11	1:52:A:LEU:H	20	0.17
(2,4660)	1:83:A:VAL:HG12	1:52:A:LEU:H	20	0.17
(2,4660)	1:83:A:VAL:HG13	1:52:A:LEU:H	20	0.17
(2,4597)	1:172:A:GLU:HB2	1:173:A:ILE:H	1	0.17
(2,4555)	1:65:A:ASP:HB2	1:37:A:ALA:H	3	0.17
(2,4555)	1:65:A:ASP:HB2	1:37:A:ALA:H	17	0.17
(2,4538)	1:38:A:LYS:HG2	1:35:A:ASP:H	20	0.17
(2,4507)	1:28:A:LYS:HB2	1:30:A:VAL:H	7	0.17
(2,4455)	1:22:A:ILE:HG12	1:22:A:ILE:H	4	0.17
(2,4455)	1:22:A:ILE:HG12	1:22:A:ILE:H	6	0.17
(2,4383)	1:66:A:TRP:HZ3	1:9:A:GLY:H	1	0.17
(2,4383)	1:66:A:TRP:HZ3	1:9:A:GLY:H	8	0.17
(2,4133)	1:109:A:ILE:HB	1:109:A:ILE:H	11	0.17
(2,4133)	1:109:A:ILE:HB	1:109:A:ILE:H	15	0.17
(2,4113)	1:167:A:GLU:HA	1:169:A:HIS:H	2	0.17
(2,4113)	1:167:A:GLU:HA	1:169:A:HIS:H	3	0.17
(2,4079)	1:85:A:LEU:HD11	1:86:A:PHE:H	19	0.17
(2,4079)	1:85:A:LEU:HD12	1:86:A:PHE:H	19	0.17
(2,4079)	1:85:A:LEU:HD13	1:86:A:PHE:H	19	0.17
(2,4051)	1:38:A:LYS:HB3	1:38:A:LYS:H	9	0.17
(2,4007)	1:20:A:LYS:HD2	1:20:A:LYS:H	6	0.17
(2,4007)	1:20:A:LYS:HD2	1:20:A:LYS:H	15	0.17
(2,4007)	1:20:A:LYS:HD2	1:20:A:LYS:H	19	0.17
(2,3986)	1:170:A:LEU:HA	1:170:A:LEU:H	19	0.17
(2,3975)	1:174:A:LEU:HD11	1:171:A:ASP:H	12	0.17
(2,3975)	1:174:A:LEU:HD12	1:171:A:ASP:H	12	0.17
(2,3975)	1:174:A:LEU:HD13	1:171:A:ASP:H	12	0.17
(2,3801)	1:27:A:GLY:HA3	1:30:A:VAL:H	4	0.17
(2,3801)	1:27:A:GLY:HA3	1:30:A:VAL:H	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3788)	1:164:A:ILE:HA	1:167:A:GLU:H	19	0.17
(2,3781)	1:114:A:ALA:HB1	1:115:A:THR:H	15	0.17
(2,3781)	1:114:A:ALA:HB2	1:115:A:THR:H	15	0.17
(2,3781)	1:114:A:ALA:HB3	1:115:A:THR:H	15	0.17
(2,3781)	1:114:A:ALA:HB1	1:115:A:THR:H	20	0.17
(2,3781)	1:114:A:ALA:HB2	1:115:A:THR:H	20	0.17
(2,3781)	1:114:A:ALA:HB3	1:115:A:THR:H	20	0.17
(2,3704)	1:151:A:GLU:HG2	1:151:A:GLU:H	1	0.17
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	4	0.17
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	4	0.17
(2,3581)	1:51:A:LEU:HD11	1:84:A:ALA:H	15	0.17
(2,3581)	1:51:A:LEU:HD12	1:84:A:ALA:H	15	0.17
(2,3581)	1:51:A:LEU:HD13	1:84:A:ALA:H	15	0.17
(2,3575)	1:116:A:ILE:HG12	1:116:A:ILE:H	10	0.17
(2,3572)	1:116:A:ILE:HG12	1:116:A:ILE:H	10	0.17
(2,3514)	1:106:A:ARG:HG3	1:107:A:ASP:HB2	10	0.17
(2,3433)	1:162:A:LYS:H	1:163:A:GLN:HG3	19	0.17
(2,3431)	1:162:A:LYS:HA	1:163:A:GLN:HG3	5	0.17
(2,3425)	1:131:A:LYS:HB3	1:131:A:LYS:HE2	20	0.17
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD11	18	0.17
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD12	18	0.17
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD13	18	0.17
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD11	15	0.17
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD12	15	0.17
(2,3248)	1:156:A:ARG:HG2	1:142:A:LEU:HD13	15	0.17
(2,3059)	1:120:A:TRP:H	1:121:A:PRO:HD3	1	0.17
(2,3039)	1:121:A:PRO:HB3	1:120:A:TRP:HA	6	0.17
(2,2926)	1:112:A:ARG:H	1:111:A:PRO:HG2	15	0.17
(2,2921)	1:110:A:GLU:HG2	1:110:A:GLU:HA	17	0.17
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG21	3	0.17
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG22	3	0.17
(2,2915)	1:73:A:LEU:HB3	1:109:A:ILE:HG23	3	0.17
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD11	5	0.17
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD12	5	0.17
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD13	5	0.17
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD11	5	0.17
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD12	5	0.17
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD13	5	0.17
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD11	5	0.17
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD12	5	0.17
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD13	5	0.17
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD11	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD12	18	0.17
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD13	18	0.17
(2,2771)	1:54:A:ILE:H	1:102:A:LEU:HD21	7	0.17
(2,2771)	1:54:A:ILE:H	1:102:A:LEU:HD22	7	0.17
(2,2771)	1:54:A:ILE:H	1:102:A:LEU:HD23	7	0.17
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD11	14	0.17
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD12	14	0.17
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD13	14	0.17
(2,2708)	1:128:A:GLU:HB2	1:96:A:GLU:HG3	16	0.17
(2,2708)	1:128:A:GLU:HB2	1:96:A:GLU:HG2	16	0.17
(2,2598)	1:51:A:LEU:HB3	1:84:A:ALA:HB1	3	0.17
(2,2598)	1:51:A:LEU:HB3	1:84:A:ALA:HB2	3	0.17
(2,2598)	1:51:A:LEU:HB3	1:84:A:ALA:HB3	3	0.17
(2,2590)	1:85:A:LEU:HB2	1:84:A:ALA:HA	1	0.17
(2,2454)	1:174:A:LEU:H	1:172:A:GLU:HB2	4	0.17
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD21	6	0.17
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD22	6	0.17
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD23	6	0.17
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD21	6	0.17
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD22	6	0.17
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD23	6	0.17
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD21	6	0.17
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD22	6	0.17
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD23	6	0.17
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD21	18	0.17
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD22	18	0.17
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD23	18	0.17
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD21	18	0.17
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD22	18	0.17
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD23	18	0.17
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD21	18	0.17
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD22	18	0.17
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD23	18	0.17
(2,2338)	1:158:A:GLU:HG3	1:158:A:GLU:HA	7	0.17
(2,2338)	1:158:A:GLU:HG3	1:158:A:GLU:HA	9	0.17
(2,2231)	1:87:A:GLY:HA3	1:54:A:ILE:HA	15	0.17
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD11	9	0.17
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD12	9	0.17
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD13	9	0.17
(2,2182)	1:6:A:ILE:HG12	1:51:A:LEU:HG	1	0.17
(2,2182)	1:6:A:ILE:HG12	1:51:A:LEU:HG	6	0.17
(2,2069)	1:81:A:LYS:HB3	1:48:A:ASP:HA	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2042)	1:73:A:LEU:HA	1:44:A:LEU:HD21	13	0.17
(2,2042)	1:73:A:LEU:HA	1:44:A:LEU:HD22	13	0.17
(2,2042)	1:73:A:LEU:HA	1:44:A:LEU:HD23	13	0.17
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD11	3	0.17
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD12	3	0.17
(2,2033)	1:43:A:ASP:H	1:44:A:LEU:HD13	3	0.17
(2,1959)	1:75:A:GLU:HA	1:41:A:LYS:HE2	8	0.17
(2,1900)	1:35:A:ASP:H	1:38:A:LYS:HG2	20	0.17
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG21	1	0.17
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG22	1	0.17
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG23	1	0.17
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG11	12	0.17
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG12	12	0.17
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG13	12	0.17
(2,1675)	1:22:A:ILE:HA	1:25:A:GLN:HG2	9	0.17
(2,1662)	1:66:A:TRP:HE3	1:69:A:PHE:HB2	15	0.17
(2,1636)	1:24:A:LYS:HE2	1:24:A:LYS:HG2	7	0.17
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG11	14	0.17
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG12	14	0.17
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG13	14	0.17
(2,1563)	1:18:A:ILE:HD11	1:21:A:MET:HG3	10	0.17
(2,1563)	1:18:A:ILE:HD12	1:21:A:MET:HG3	10	0.17
(2,1563)	1:18:A:ILE:HD13	1:21:A:MET:HG3	10	0.17
(2,1563)	1:18:A:ILE:HD11	1:21:A:MET:HG2	10	0.17
(2,1563)	1:18:A:ILE:HD12	1:21:A:MET:HG2	10	0.17
(2,1563)	1:18:A:ILE:HD13	1:21:A:MET:HG2	10	0.17
(2,1537)	1:75:A:GLU:H	1:41:A:LYS:HE3	9	0.17
(2,1526)	1:33:A:VAL:HB	1:20:A:LYS:HG3	13	0.17
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD11	16	0.17
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD12	16	0.17
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD13	16	0.17
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG21	5	0.17
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG22	5	0.17
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG23	5	0.17
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG21	5	0.17
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG22	5	0.17
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG23	5	0.17
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG21	5	0.17
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG22	5	0.17
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG23	5	0.17
(2,1321)	1:49:A:ILE:HG12	1:4:A:THR:HG21	3	0.17
(2,1321)	1:49:A:ILE:HG12	1:4:A:THR:HG22	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1321)	1:49:A:ILE:HG12	1:4:A:THR:HG23	3	0.17
(2,1227)	1:24:A:LYS:HG2	1:24:A:LYS:HE2	7	0.17
(2,1178)	1:28:A:LYS:HD2	1:28:A:LYS:HA	15	0.17
(2,1164)	1:45:A:GLU:HB2	1:42:A:GLU:HA	4	0.17
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG21	20	0.17
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG22	20	0.17
(2,1034)	1:74:A:GLU:HG3	1:108:A:ILE:HG23	20	0.17
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB1	9	0.17
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB2	9	0.17
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB3	9	0.17
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG21	18	0.17
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG22	18	0.17
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG23	18	0.17
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB1	1	0.17
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB2	1	0.17
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB3	1	0.17
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB1	3	0.17
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB2	3	0.17
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB3	3	0.17
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB1	4	0.17
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB2	4	0.17
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB3	4	0.17
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD11	17	0.17
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD12	17	0.17
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD13	17	0.17
(2,877)	1:162:A:LYS:HA	1:161:A:VAL:HG11	3	0.17
(2,877)	1:162:A:LYS:HA	1:161:A:VAL:HG12	3	0.17
(2,877)	1:162:A:LYS:HA	1:161:A:VAL:HG13	3	0.17
(2,731)	1:170:A:LEU:HA	1:173:A:ILE:HB	20	0.17
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD11	18	0.17
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD12	18	0.17
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD13	18	0.17
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD11	18	0.17
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD12	18	0.17
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD13	18	0.17
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD11	15	0.17
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD12	15	0.17
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD13	15	0.17
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD11	16	0.17
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD12	16	0.17
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD13	16	0.17
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD11	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD12	18	0.17
(2,618)	1:160:A:TRP:H	1:142:A:LEU:HD13	18	0.17
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG11	1	0.17
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG12	1	0.17
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG13	1	0.17
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG11	5	0.17
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG12	5	0.17
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG13	5	0.17
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG11	8	0.17
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG12	8	0.17
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG13	8	0.17
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG11	18	0.17
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG12	18	0.17
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG13	18	0.17
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD11	12	0.17
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD12	12	0.17
(2,518)	1:7:A:PHE:HD1	1:52:A:LEU:HD13	12	0.17
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD11	12	0.17
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD12	12	0.17
(2,518)	1:7:A:PHE:HD2	1:52:A:LEU:HD13	12	0.17
(2,453)	1:158:A:GLU:H	1:155:A:GLU:HB2	7	0.17
(2,335)	1:27:A:GLY:H	1:24:A:LYS:HA	18	0.17
(2,197)	1:41:A:LYS:H	1:40:A:SER:HB2	16	0.17
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD1	14	0.17
(2,175)	1:94:A:TYR:HE1	1:58:A:TYR:HD2	14	0.17
(2,43)	1:59:A:TYR:H	2:201:A:FMN:H6	9	0.17
(3,658)	1:170:A:LEU:HB3	1:166:A:GLU:H	15	0.16
(3,655)	1:167:A:GLU:HB3	1:165:A:SER:H	20	0.16
(3,519)	1:140:A:VAL:HG21	1:104:A:THR:H	4	0.16
(3,519)	1:140:A:VAL:HG22	1:104:A:THR:H	4	0.16
(3,519)	1:140:A:VAL:HG23	1:104:A:THR:H	4	0.16
(3,519)	1:140:A:VAL:HG21	1:104:A:THR:H	5	0.16
(3,519)	1:140:A:VAL:HG22	1:104:A:THR:H	5	0.16
(3,519)	1:140:A:VAL:HG23	1:104:A:THR:H	5	0.16
(3,267)	1:141:A:GLY:H	1:142:A:LEU:HD11	8	0.16
(3,267)	1:141:A:GLY:H	1:142:A:LEU:HD12	8	0.16
(3,267)	1:141:A:GLY:H	1:142:A:LEU:HD13	8	0.16
(3,205)	1:110:A:GLU:HG3	1:106:A:ARG:HD3	10	0.16
(3,119)	1:41:A:LYS:HB2	1:44:A:LEU:HD21	2	0.16
(3,119)	1:41:A:LYS:HB2	1:44:A:LEU:HD22	2	0.16
(3,119)	1:41:A:LYS:HB2	1:44:A:LEU:HD23	2	0.16
(3,106)	1:45:A:GLU:H	1:39:A:SER:HB3	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5384)	1:171:A:ASP:HA	1:173:A:ILE:H	9	0.16
(2,5334)	1:172:A:GLU:HB2	1:174:A:LEU:H	8	0.16
(2,5298)	1:167:A:GLU:HB3	1:168:A:LEU:H	18	0.16
(2,5289)	1:167:A:GLU:HB3	1:167:A:GLU:H	9	0.16
(2,5242)	1:159:A:LYS:HG3	1:160:A:TRP:H	2	0.16
(2,5235)	1:152:A:LEU:HD11	1:156:A:ARG:HE	1	0.16
(2,5235)	1:152:A:LEU:HD12	1:156:A:ARG:HE	1	0.16
(2,5235)	1:152:A:LEU:HD13	1:156:A:ARG:HE	1	0.16
(2,5235)	1:152:A:LEU:HD11	1:156:A:ARG:HE	10	0.16
(2,5235)	1:152:A:LEU:HD12	1:156:A:ARG:HE	10	0.16
(2,5235)	1:152:A:LEU:HD13	1:156:A:ARG:HE	10	0.16
(2,5077)	1:133:A:LEU:HD11	1:134:A:ALA:H	18	0.16
(2,5077)	1:133:A:LEU:HD12	1:134:A:ALA:H	18	0.16
(2,5077)	1:133:A:LEU:HD13	1:134:A:ALA:H	18	0.16
(2,5065)	1:131:A:LYS:HB2	1:132:A:GLY:H	16	0.16
(2,4980)	1:74:A:GLU:HB2	1:112:A:ARG:HE	19	0.16
(2,4974)	1:74:A:GLU:H	1:112:A:ARG:HE	19	0.16
(2,4966)	1:116:A:ILE:HD11	1:109:A:ILE:H	7	0.16
(2,4966)	1:116:A:ILE:HD12	1:109:A:ILE:H	7	0.16
(2,4966)	1:116:A:ILE:HD13	1:109:A:ILE:H	7	0.16
(2,4966)	1:116:A:ILE:HD11	1:109:A:ILE:H	8	0.16
(2,4966)	1:116:A:ILE:HD12	1:109:A:ILE:H	8	0.16
(2,4966)	1:116:A:ILE:HD13	1:109:A:ILE:H	8	0.16
(2,4934)	1:105:A:ILE:HG12	1:104:A:THR:H	7	0.16
(2,4856)	1:91:A:GLN:HG2	1:91:A:GLN:H	10	0.16
(2,4801)	1:114:A:ALA:HB1	1:81:A:LYS:H	19	0.16
(2,4801)	1:114:A:ALA:HB2	1:81:A:LYS:H	19	0.16
(2,4801)	1:114:A:ALA:HB3	1:81:A:LYS:H	19	0.16
(2,4800)	1:81:A:LYS:HB3	1:81:A:LYS:H	6	0.16
(2,4800)	1:81:A:LYS:HB3	1:81:A:LYS:H	9	0.16
(2,4800)	1:81:A:LYS:HB3	1:81:A:LYS:H	14	0.16
(2,4800)	1:81:A:LYS:HB3	1:81:A:LYS:H	20	0.16
(2,4789)	1:113:A:GLY:HA2	1:79:A:ASN:H	13	0.16
(2,4674)	1:102:A:LEU:HD11	1:54:A:ILE:H	13	0.16
(2,4674)	1:102:A:LEU:HD12	1:54:A:ILE:H	13	0.16
(2,4674)	1:102:A:LEU:HD13	1:54:A:ILE:H	13	0.16
(2,4657)	1:50:A:LEU:HD11	1:51:A:LEU:H	13	0.16
(2,4657)	1:50:A:LEU:HD12	1:51:A:LEU:H	13	0.16
(2,4657)	1:50:A:LEU:HD13	1:51:A:LEU:H	13	0.16
(2,4557)	1:38:A:LYS:HD2	1:37:A:ALA:H	11	0.16
(2,4507)	1:28:A:LYS:HB2	1:30:A:VAL:H	13	0.16
(2,4488)	1:158:A:GLU:HA	1:25:A:GLN:HE21	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4481)	1:25:A:GLN:HA	1:25:A:GLN:HE22	8	0.16
(2,4383)	1:66:A:TRP:HZ3	1:9:A:GLY:H	5	0.16
(2,4365)	1:32:A:ASP:HB2	1:6:A:ILE:H	17	0.16
(2,4133)	1:109:A:ILE:HB	1:109:A:ILE:H	18	0.16
(2,4125)	1:25:A:GLN:HG2	1:25:A:GLN:HE21	5	0.16
(2,4051)	1:38:A:LYS:HB3	1:38:A:LYS:H	16	0.16
(2,4051)	1:38:A:LYS:HB3	1:38:A:LYS:H	20	0.16
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD21	9	0.16
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD22	9	0.16
(2,4007)	1:20:A:LYS:HD2	1:20:A:LYS:H	1	0.16
(2,4007)	1:20:A:LYS:HD2	1:20:A:LYS:H	7	0.16
(2,3986)	1:170:A:LEU:HA	1:170:A:LEU:H	9	0.16
(2,3986)	1:170:A:LEU:HA	1:170:A:LEU:H	10	0.16
(2,3986)	1:170:A:LEU:HA	1:170:A:LEU:H	11	0.16
(2,3986)	1:170:A:LEU:HA	1:170:A:LEU:H	15	0.16
(2,3986)	1:170:A:LEU:HA	1:170:A:LEU:H	20	0.16
(2,3921)	1:45:A:GLU:HB2	1:44:A:LEU:H	10	0.16
(2,3880)	1:25:A:GLN:HB3	1:26:A:LEU:H	2	0.16
(2,3879)	1:26:A:LEU:HA	1:26:A:LEU:H	5	0.16
(2,3794)	1:152:A:LEU:HB3	1:156:A:ARG:H	20	0.16
(2,3781)	1:114:A:ALA:HB1	1:115:A:THR:H	8	0.16
(2,3781)	1:114:A:ALA:HB2	1:115:A:THR:H	8	0.16
(2,3781)	1:114:A:ALA:HB3	1:115:A:THR:H	8	0.16
(2,3756)	1:163:A:GLN:HG3	1:163:A:GLN:H	7	0.16
(2,3756)	1:163:A:GLN:HG3	1:163:A:GLN:H	8	0.16
(2,3733)	1:166:A:GLU:HA	1:166:A:GLU:H	1	0.16
(2,3733)	1:166:A:GLU:HA	1:166:A:GLU:H	4	0.16
(2,3733)	1:166:A:GLU:HA	1:166:A:GLU:H	9	0.16
(2,3733)	1:166:A:GLU:HA	1:166:A:GLU:H	13	0.16
(2,3733)	1:166:A:GLU:HA	1:166:A:GLU:H	17	0.16
(2,3607)	1:77:A:ASP:HB2	1:77:A:ASP:H	6	0.16
(2,3607)	1:77:A:ASP:HB2	1:77:A:ASP:H	10	0.16
(2,3581)	1:51:A:LEU:HD11	1:84:A:ALA:H	3	0.16
(2,3581)	1:51:A:LEU:HD12	1:84:A:ALA:H	3	0.16
(2,3581)	1:51:A:LEU:HD13	1:84:A:ALA:H	3	0.16
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD21	13	0.16
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD22	13	0.16
(2,3509)	1:164:A:ILE:HD11	1:170:A:LEU:HD23	13	0.16
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD21	13	0.16
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD22	13	0.16
(2,3509)	1:164:A:ILE:HD12	1:170:A:LEU:HD23	13	0.16
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD21	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD22	13	0.16
(2,3509)	1:164:A:ILE:HD13	1:170:A:LEU:HD23	13	0.16
(2,3433)	1:162:A:LYS:H	1:163:A:GLN:HG3	5	0.16
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD11	9	0.16
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD12	9	0.16
(2,3323)	1:170:A:LEU:HG	1:168:A:LEU:HD13	9	0.16
(2,3232)	1:161:A:VAL:H	1:142:A:LEU:HG	1	0.16
(2,3180)	1:138:A:HIS:HB2	1:134:A:ALA:HB1	16	0.16
(2,3180)	1:138:A:HIS:HB2	1:134:A:ALA:HB2	16	0.16
(2,3180)	1:138:A:HIS:HB2	1:134:A:ALA:HB3	16	0.16
(2,3116)	1:130:A:SER:HA	1:129:A:ALA:HA	15	0.16
(2,3095)	1:125:A:TYR:HD1	1:126:A:HIS:HB3	13	0.16
(2,3095)	1:125:A:TYR:HD2	1:126:A:HIS:HB3	13	0.16
(2,3038)	1:121:A:PRO:HG2	1:120:A:TRP:HA	12	0.16
(2,2921)	1:110:A:GLU:HG2	1:110:A:GLU:HA	4	0.16
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG21	4	0.16
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG22	4	0.16
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG23	4	0.16
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD11	14	0.16
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD12	14	0.16
(2,2869)	1:104:A:THR:HG21	1:108:A:ILE:HD13	14	0.16
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD11	14	0.16
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD12	14	0.16
(2,2869)	1:104:A:THR:HG22	1:108:A:ILE:HD13	14	0.16
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD11	14	0.16
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD12	14	0.16
(2,2869)	1:104:A:THR:HG23	1:108:A:ILE:HD13	14	0.16
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD11	20	0.16
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD12	20	0.16
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD13	20	0.16
(2,2780)	1:54:A:ILE:HG21	1:102:A:LEU:HD21	6	0.16
(2,2780)	1:54:A:ILE:HG21	1:102:A:LEU:HD22	6	0.16
(2,2780)	1:54:A:ILE:HG21	1:102:A:LEU:HD23	6	0.16
(2,2780)	1:54:A:ILE:HG22	1:102:A:LEU:HD21	6	0.16
(2,2780)	1:54:A:ILE:HG22	1:102:A:LEU:HD22	6	0.16
(2,2780)	1:54:A:ILE:HG22	1:102:A:LEU:HD23	6	0.16
(2,2780)	1:54:A:ILE:HG23	1:102:A:LEU:HD21	6	0.16
(2,2780)	1:54:A:ILE:HG23	1:102:A:LEU:HD22	6	0.16
(2,2780)	1:54:A:ILE:HG23	1:102:A:LEU:HD23	6	0.16
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD21	17	0.16
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD22	17	0.16
(2,2772)	1:103:A:GLY:H	1:102:A:LEU:HD23	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2768)	1:86:A:PHE:H	1:102:A:LEU:HD11	12	0.16
(2,2768)	1:86:A:PHE:H	1:102:A:LEU:HD12	12	0.16
(2,2768)	1:86:A:PHE:H	1:102:A:LEU:HD13	12	0.16
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB1	13	0.16
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB2	13	0.16
(2,2745)	1:54:A:ILE:HG21	1:101:A:ALA:HB3	13	0.16
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB1	13	0.16
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB2	13	0.16
(2,2745)	1:54:A:ILE:HG22	1:101:A:ALA:HB3	13	0.16
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB1	13	0.16
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB2	13	0.16
(2,2745)	1:54:A:ILE:HG23	1:101:A:ALA:HB3	13	0.16
(2,2548)	1:117:A:VAL:HG11	1:82:A:LEU:HB2	5	0.16
(2,2548)	1:117:A:VAL:HG12	1:82:A:LEU:HB2	5	0.16
(2,2548)	1:117:A:VAL:HG13	1:82:A:LEU:HB2	5	0.16
(2,2454)	1:174:A:LEU:H	1:172:A:GLU:HB2	8	0.16
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD21	9	0.16
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD22	9	0.16
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD23	9	0.16
(2,2402)	1:68:A:ASP:HA	1:71:A:PRO:HD3	8	0.16
(2,2338)	1:158:A:GLU:HG3	1:158:A:GLU:HA	10	0.16
(2,2332)	1:156:A:ARG:HD2	1:156:A:ARG:HA	9	0.16
(2,2298)	1:41:A:LYS:HE3	1:75:A:GLU:HG3	16	0.16
(2,2184)	1:48:A:ASP:HA	1:81:A:LYS:HD2	8	0.16
(2,2184)	1:48:A:ASP:HA	1:81:A:LYS:HD2	13	0.16
(2,2182)	1:6:A:ILE:HG12	1:51:A:LEU:HG	17	0.16
(2,2172)	1:84:A:ALA:HB1	1:51:A:LEU:HB2	14	0.16
(2,2172)	1:84:A:ALA:HB2	1:51:A:LEU:HB2	14	0.16
(2,2172)	1:84:A:ALA:HB3	1:51:A:LEU:HB2	14	0.16
(2,2172)	1:84:A:ALA:HB1	1:51:A:LEU:HB2	15	0.16
(2,2172)	1:84:A:ALA:HB2	1:51:A:LEU:HB2	15	0.16
(2,2172)	1:84:A:ALA:HB3	1:51:A:LEU:HB2	15	0.16
(2,2155)	1:83:A:VAL:HG11	1:50:A:LEU:HD11	2	0.16
(2,2155)	1:83:A:VAL:HG11	1:50:A:LEU:HD12	2	0.16
(2,2155)	1:83:A:VAL:HG11	1:50:A:LEU:HD13	2	0.16
(2,2155)	1:83:A:VAL:HG12	1:50:A:LEU:HD11	2	0.16
(2,2155)	1:83:A:VAL:HG12	1:50:A:LEU:HD12	2	0.16
(2,2155)	1:83:A:VAL:HG12	1:50:A:LEU:HD13	2	0.16
(2,2155)	1:83:A:VAL:HG13	1:50:A:LEU:HD11	2	0.16
(2,2155)	1:83:A:VAL:HG13	1:50:A:LEU:HD12	2	0.16
(2,2155)	1:83:A:VAL:HG13	1:50:A:LEU:HD13	2	0.16
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD11	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD12	11	0.16
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD13	11	0.16
(2,1825)	1:148:A:ARG:HE	1:149:A:GLN:HG2	20	0.16
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG11	9	0.16
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG12	9	0.16
(2,1762)	1:6:A:ILE:HG21	1:33:A:VAL:HG13	9	0.16
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG11	9	0.16
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG12	9	0.16
(2,1762)	1:6:A:ILE:HG22	1:33:A:VAL:HG13	9	0.16
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG11	9	0.16
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG12	9	0.16
(2,1762)	1:6:A:ILE:HG23	1:33:A:VAL:HG13	9	0.16
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG11	5	0.16
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG12	5	0.16
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG13	5	0.16
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG11	15	0.16
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG12	15	0.16
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG13	15	0.16
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG11	17	0.16
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG12	17	0.16
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG13	17	0.16
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD11	10	0.16
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD12	10	0.16
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD13	10	0.16
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD11	10	0.16
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD12	10	0.16
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD13	10	0.16
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD11	10	0.16
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD12	10	0.16
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD13	10	0.16
(2,1697)	1:25:A:GLN:HB2	1:26:A:LEU:HD11	14	0.16
(2,1697)	1:25:A:GLN:HB2	1:26:A:LEU:HD12	14	0.16
(2,1697)	1:25:A:GLN:HB2	1:26:A:LEU:HD13	14	0.16
(2,1697)	1:25:A:GLN:HB3	1:26:A:LEU:HD11	14	0.16
(2,1697)	1:25:A:GLN:HB3	1:26:A:LEU:HD12	14	0.16
(2,1697)	1:25:A:GLN:HB3	1:26:A:LEU:HD13	14	0.16
(2,1688)	1:31:A:ALA:HB1	1:26:A:LEU:HG	13	0.16
(2,1688)	1:31:A:ALA:HB2	1:26:A:LEU:HG	13	0.16
(2,1688)	1:31:A:ALA:HB3	1:26:A:LEU:HG	13	0.16
(2,1612)	1:168:A:LEU:HA	1:117:A:VAL:HG11	5	0.16
(2,1612)	1:168:A:LEU:HA	1:117:A:VAL:HG12	5	0.16
(2,1612)	1:168:A:LEU:HA	1:117:A:VAL:HG13	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1577)	1:25:A:GLN:HB3	1:22:A:ILE:HA	17	0.16
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD11	20	0.16
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD12	20	0.16
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD13	20	0.16
(2,1430)	1:150:A:PRO:HB2	1:153:A:THR:HA	19	0.16
(2,1337)	1:50:A:LEU:HA	1:6:A:ILE:HA	14	0.16
(2,1337)	1:50:A:LEU:HA	1:6:A:ILE:HA	16	0.16
(2,1327)	1:2:A:ALA:HA	1:30:A:VAL:HG11	8	0.16
(2,1327)	1:2:A:ALA:HA	1:30:A:VAL:HG12	8	0.16
(2,1327)	1:2:A:ALA:HA	1:30:A:VAL:HG13	8	0.16
(2,1279)	1:168:A:LEU:HD11	1:170:A:LEU:HG	9	0.16
(2,1279)	1:168:A:LEU:HD12	1:170:A:LEU:HG	9	0.16
(2,1279)	1:168:A:LEU:HD13	1:170:A:LEU:HG	9	0.16
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD21	15	0.16
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD22	15	0.16
(2,1244)	1:85:A:LEU:HD11	1:102:A:LEU:HD23	15	0.16
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD21	15	0.16
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD22	15	0.16
(2,1244)	1:85:A:LEU:HD12	1:102:A:LEU:HD23	15	0.16
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD21	15	0.16
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD22	15	0.16
(2,1244)	1:85:A:LEU:HD13	1:102:A:LEU:HD23	15	0.16
(2,1163)	1:162:A:LYS:HD2	1:159:A:LYS:HA	7	0.16
(2,1092)	1:102:A:LEU:HD21	1:54:A:ILE:HG21	6	0.16
(2,1092)	1:102:A:LEU:HD21	1:54:A:ILE:HG22	6	0.16
(2,1092)	1:102:A:LEU:HD21	1:54:A:ILE:HG23	6	0.16
(2,1092)	1:102:A:LEU:HD22	1:54:A:ILE:HG21	6	0.16
(2,1092)	1:102:A:LEU:HD22	1:54:A:ILE:HG22	6	0.16
(2,1092)	1:102:A:LEU:HD22	1:54:A:ILE:HG23	6	0.16
(2,1092)	1:102:A:LEU:HD23	1:54:A:ILE:HG21	6	0.16
(2,1092)	1:102:A:LEU:HD23	1:54:A:ILE:HG22	6	0.16
(2,1092)	1:102:A:LEU:HD23	1:54:A:ILE:HG23	6	0.16
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB1	1	0.16
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB2	1	0.16
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB3	1	0.16
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB1	7	0.16
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB2	7	0.16
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB3	7	0.16
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB1	18	0.16
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB2	18	0.16
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB3	18	0.16
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD11	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD12	15	0.16
(2,1008)	1:151:A:GLU:HG2	1:152:A:LEU:HD13	15	0.16
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD11	11	0.16
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD12	11	0.16
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD13	11	0.16
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD11	11	0.16
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD12	11	0.16
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD13	11	0.16
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD11	11	0.16
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD12	11	0.16
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD13	11	0.16
(2,850)	1:171:A:ASP:HA	1:174:A:LEU:HD21	11	0.16
(2,850)	1:171:A:ASP:HA	1:174:A:LEU:HD22	11	0.16
(2,850)	1:171:A:ASP:HA	1:174:A:LEU:HD23	11	0.16
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD11	17	0.16
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD12	17	0.16
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD13	17	0.16
(2,782)	1:159:A:LYS:HA	1:159:A:LYS:HD2	4	0.16
(2,746)	1:169:A:HIS:HB2	1:172:A:GLU:HG2	6	0.16
(2,731)	1:170:A:LEU:HA	1:173:A:ILE:HB	4	0.16
(2,731)	1:170:A:LEU:HA	1:173:A:ILE:HB	19	0.16
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD11	2	0.16
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD12	2	0.16
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD13	2	0.16
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD11	8	0.16
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD12	8	0.16
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD13	8	0.16
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD11	14	0.16
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD12	14	0.16
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD13	14	0.16
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD11	19	0.16
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD12	19	0.16
(2,565)	1:132:A:GLY:H	1:133:A:LEU:HD13	19	0.16
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD11	3	0.16
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD12	3	0.16
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD13	3	0.16
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD11	3	0.16
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD12	3	0.16
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD13	3	0.16
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD11	8	0.16
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD12	8	0.16
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD13	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD11	8	0.16
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD12	8	0.16
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD13	8	0.16
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD11	11	0.16
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD12	11	0.16
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD13	11	0.16
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD11	17	0.16
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD12	17	0.16
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD13	17	0.16
(2,408)	1:17:A:ASN:HD21	1:17:A:ASN:HB2	9	0.16
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD1	11	0.16
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD2	11	0.16
(2,96)	1:159:A:LYS:HB2	1:120:A:TRP:HZ2	12	0.16
(2,43)	1:59:A:TYR:H	2:201:A:FMN:H6	7	0.16
(2,43)	1:59:A:TYR:H	2:201:A:FMN:H6	13	0.16
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD22	12	0.15
(3,678)	1:174:A:LEU:HB3	1:175:A:ASN:HD21	12	0.15
(3,667)	1:172:A:GLU:HG2	1:169:A:HIS:H	2	0.15
(3,378)	1:6:A:ILE:HG12	1:33:A:VAL:H	16	0.15
(3,157)	1:78:A:PHE:HD1	1:73:A:LEU:HB3	9	0.15
(3,157)	1:78:A:PHE:HD2	1:73:A:LEU:HB3	9	0.15
(2,5336)	1:170:A:LEU:HD11	1:174:A:LEU:H	1	0.15
(2,5336)	1:170:A:LEU:HD12	1:174:A:LEU:H	1	0.15
(2,5336)	1:170:A:LEU:HD13	1:174:A:LEU:H	1	0.15
(2,5334)	1:172:A:GLU:HB2	1:174:A:LEU:H	9	0.15
(2,5334)	1:172:A:GLU:HB2	1:174:A:LEU:H	17	0.15
(2,5309)	1:169:A:HIS:HB2	1:169:A:HIS:H	4	0.15
(2,5309)	1:169:A:HIS:HB2	1:169:A:HIS:H	7	0.15
(2,5301)	1:164:A:ILE:HD11	1:168:A:LEU:H	11	0.15
(2,5301)	1:164:A:ILE:HD12	1:168:A:LEU:H	11	0.15
(2,5301)	1:164:A:ILE:HD13	1:168:A:LEU:H	11	0.15
(2,5289)	1:167:A:GLU:HB3	1:167:A:GLU:H	17	0.15
(2,5266)	1:118:A:GLY:HA3	1:164:A:ILE:H	12	0.15
(2,5260)	1:163:A:GLN:HB3	1:163:A:GLN:H	5	0.15
(2,5260)	1:163:A:GLN:HB3	1:163:A:GLN:H	6	0.15
(2,5260)	1:163:A:GLN:HB3	1:163:A:GLN:H	13	0.15
(2,5242)	1:159:A:LYS:HG3	1:160:A:TRP:H	16	0.15
(2,5235)	1:152:A:LEU:HD11	1:156:A:ARG:HE	3	0.15
(2,5235)	1:152:A:LEU:HD12	1:156:A:ARG:HE	3	0.15
(2,5235)	1:152:A:LEU:HD13	1:156:A:ARG:HE	3	0.15
(2,5175)	1:156:A:ARG:HD3	1:151:A:GLU:H	6	0.15
(2,5167)	1:92:A:GLU:HB2	1:148:A:ARG:H	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5100)	1:133:A:LEU:HB2	1:138:A:HIS:H	16	0.15
(2,5074)	1:139:A:PHE:HB2	1:134:A:ALA:H	18	0.15
(2,5069)	1:130:A:SER:HB3	1:133:A:LEU:H	13	0.15
(2,5065)	1:131:A:LYS:HB2	1:132:A:GLY:H	19	0.15
(2,5060)	1:131:A:LYS:HG2	1:131:A:LYS:H	17	0.15
(2,5059)	1:131:A:LYS:HG3	1:130:A:SER:H	5	0.15
(2,5045)	1:95:A:ALA:HB1	1:127:A:PHE:H	15	0.15
(2,5045)	1:95:A:ALA:HB2	1:127:A:PHE:H	15	0.15
(2,5045)	1:95:A:ALA:HB3	1:127:A:PHE:H	15	0.15
(2,5031)	1:123:A:ALA:H	1:125:A:TYR:H	17	0.15
(2,4965)	1:73:A:LEU:HD11	1:109:A:ILE:H	20	0.15
(2,4965)	1:73:A:LEU:HD12	1:109:A:ILE:H	20	0.15
(2,4965)	1:73:A:LEU:HD13	1:109:A:ILE:H	20	0.15
(2,4934)	1:105:A:ILE:HG12	1:104:A:THR:H	9	0.15
(2,4863)	1:92:A:GLU:HG3	1:92:A:GLU:H	11	0.15
(2,4863)	1:92:A:GLU:HG3	1:92:A:GLU:H	19	0.15
(2,4801)	1:114:A:ALA:HB1	1:81:A:LYS:H	12	0.15
(2,4801)	1:114:A:ALA:HB2	1:81:A:LYS:H	12	0.15
(2,4801)	1:114:A:ALA:HB3	1:81:A:LYS:H	12	0.15
(2,4801)	1:114:A:ALA:HB1	1:81:A:LYS:H	13	0.15
(2,4801)	1:114:A:ALA:HB2	1:81:A:LYS:H	13	0.15
(2,4801)	1:114:A:ALA:HB3	1:81:A:LYS:H	13	0.15
(2,4752)	1:74:A:GLU:HG3	1:73:A:LEU:H	9	0.15
(2,4752)	1:74:A:GLU:HG3	1:73:A:LEU:H	19	0.15
(2,4719)	1:9:A:GLY:HA3	1:66:A:TRP:H	5	0.15
(2,4698)	1:101:A:ALA:H	1:61:A:GLU:H	17	0.15
(2,4660)	1:83:A:VAL:HG11	1:52:A:LEU:H	3	0.15
(2,4660)	1:83:A:VAL:HG12	1:52:A:LEU:H	3	0.15
(2,4660)	1:83:A:VAL:HG13	1:52:A:LEU:H	3	0.15
(2,4657)	1:50:A:LEU:HD11	1:51:A:LEU:H	10	0.15
(2,4657)	1:50:A:LEU:HD12	1:51:A:LEU:H	10	0.15
(2,4657)	1:50:A:LEU:HD13	1:51:A:LEU:H	10	0.15
(2,4555)	1:65:A:ASP:HB2	1:37:A:ALA:H	13	0.15
(2,4491)	1:161:A:VAL:HG21	1:26:A:LEU:H	4	0.15
(2,4491)	1:161:A:VAL:HG22	1:26:A:LEU:H	4	0.15
(2,4491)	1:161:A:VAL:HG23	1:26:A:LEU:H	4	0.15
(2,4488)	1:158:A:GLU:HA	1:25:A:GLN:HE21	9	0.15
(2,4455)	1:22:A:ILE:HG12	1:22:A:ILE:H	11	0.15
(2,4430)	1:16:A:GLU:HA	1:18:A:ILE:H	6	0.15
(2,4383)	1:66:A:TRP:HZ3	1:9:A:GLY:H	7	0.15
(2,4133)	1:109:A:ILE:HB	1:109:A:ILE:H	2	0.15
(2,4133)	1:109:A:ILE:HB	1:109:A:ILE:H	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4133)	1:109:A:ILE:HB	1:109:A:ILE:H	7	0.15
(2,4133)	1:109:A:ILE:HB	1:109:A:ILE:H	8	0.15
(2,4113)	1:167:A:GLU:HA	1:169:A:HIS:H	14	0.15
(2,4051)	1:38:A:LYS:HB3	1:38:A:LYS:H	6	0.15
(2,4022)	1:96:A:GLU:HB2	1:96:A:GLU:H	1	0.15
(2,4022)	1:96:A:GLU:HB3	1:96:A:GLU:H	1	0.15
(2,4007)	1:20:A:LYS:HD2	1:20:A:LYS:H	11	0.15
(2,3986)	1:170:A:LEU:HA	1:170:A:LEU:H	1	0.15
(2,3986)	1:170:A:LEU:HA	1:170:A:LEU:H	3	0.15
(2,3986)	1:170:A:LEU:HA	1:170:A:LEU:H	4	0.15
(2,3986)	1:170:A:LEU:HA	1:170:A:LEU:H	5	0.15
(2,3986)	1:170:A:LEU:HA	1:170:A:LEU:H	7	0.15
(2,3986)	1:170:A:LEU:HA	1:170:A:LEU:H	8	0.15
(2,3986)	1:170:A:LEU:HA	1:170:A:LEU:H	16	0.15
(2,3986)	1:170:A:LEU:HA	1:170:A:LEU:H	17	0.15
(2,3916)	1:105:A:ILE:HG12	1:105:A:ILE:H	10	0.15
(2,3916)	1:105:A:ILE:HG12	1:105:A:ILE:H	11	0.15
(2,3903)	1:158:A:GLU:HG3	1:159:A:LYS:H	2	0.15
(2,3903)	1:158:A:GLU:HG3	1:159:A:LYS:H	16	0.15
(2,3880)	1:25:A:GLN:HB3	1:26:A:LEU:H	8	0.15
(2,3880)	1:25:A:GLN:HB3	1:26:A:LEU:H	11	0.15
(2,3828)	1:151:A:GLU:HG2	1:152:A:LEU:H	13	0.15
(2,3793)	1:156:A:ARG:HB3	1:156:A:ARG:H	15	0.15
(2,3788)	1:164:A:ILE:HA	1:167:A:GLU:H	15	0.15
(2,3756)	1:163:A:GLN:HG3	1:163:A:GLN:H	2	0.15
(2,3756)	1:163:A:GLN:HG3	1:163:A:GLN:H	16	0.15
(2,3733)	1:166:A:GLU:HA	1:166:A:GLU:H	8	0.15
(2,3733)	1:166:A:GLU:HA	1:166:A:GLU:H	10	0.15
(2,3733)	1:166:A:GLU:HA	1:166:A:GLU:H	14	0.15
(2,3715)	1:67:A:ASP:HB3	1:62:A:ALA:H	11	0.15
(2,3704)	1:151:A:GLU:HG2	1:151:A:GLU:H	11	0.15
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	2	0.15
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	2	0.15
(2,3661)	1:91:A:GLN:HG3	1:91:A:GLN:H	8	0.15
(2,3607)	1:77:A:ASP:HB2	1:77:A:ASP:H	16	0.15
(2,3598)	1:82:A:LEU:HB3	1:82:A:LEU:H	10	0.15
(2,3581)	1:51:A:LEU:HD11	1:84:A:ALA:H	4	0.15
(2,3581)	1:51:A:LEU:HD12	1:84:A:ALA:H	4	0.15
(2,3581)	1:51:A:LEU:HD13	1:84:A:ALA:H	4	0.15
(2,3537)	1:111:A:PRO:HG2	1:112:A:ARG:HD3	8	0.15
(2,3492)	1:172:A:GLU:HB2	1:169:A:HIS:HB2	13	0.15
(2,3433)	1:162:A:LYS:H	1:163:A:GLN:HG3	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3257)	1:115:A:THR:HA	1:110:A:GLU:HG3	6	0.15
(2,3138)	1:91:A:GLN:H	1:91:A:GLN:HG3	10	0.15
(2,3129)	1:133:A:LEU:H	1:130:A:SER:HB3	13	0.15
(2,3118)	1:92:A:GLU:HG2	1:148:A:ARG:HA	11	0.15
(2,3058)	1:160:A:TRP:HD1	1:121:A:PRO:HD3	5	0.15
(2,3055)	1:160:A:TRP:HD1	1:121:A:PRO:HD2	2	0.15
(2,3055)	1:160:A:TRP:HD1	1:121:A:PRO:HD2	10	0.15
(2,3038)	1:121:A:PRO:HG2	1:120:A:TRP:HA	6	0.15
(2,3038)	1:121:A:PRO:HG2	1:120:A:TRP:HA	7	0.15
(2,3038)	1:121:A:PRO:HG2	1:120:A:TRP:HA	20	0.15
(2,2894)	1:73:A:LEU:HD11	1:109:A:ILE:HA	8	0.15
(2,2894)	1:73:A:LEU:HD12	1:109:A:ILE:HA	8	0.15
(2,2894)	1:73:A:LEU:HD13	1:109:A:ILE:HA	8	0.15
(2,2771)	1:54:A:ILE:H	1:102:A:LEU:HD21	17	0.15
(2,2771)	1:54:A:ILE:H	1:102:A:LEU:HD22	17	0.15
(2,2771)	1:54:A:ILE:H	1:102:A:LEU:HD23	17	0.15
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB1	19	0.15
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB2	19	0.15
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB3	19	0.15
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB1	19	0.15
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB2	19	0.15
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB3	19	0.15
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB1	19	0.15
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB2	19	0.15
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB3	19	0.15
(2,2587)	1:83:A:VAL:HG21	1:84:A:ALA:HA	13	0.15
(2,2587)	1:83:A:VAL:HG22	1:84:A:ALA:HA	13	0.15
(2,2587)	1:83:A:VAL:HG23	1:84:A:ALA:HA	13	0.15
(2,2501)	1:162:A:LYS:HE2	1:158:A:GLU:HA	12	0.15
(2,2454)	1:174:A:LEU:H	1:172:A:GLU:HB2	9	0.15
(2,2454)	1:174:A:LEU:H	1:172:A:GLU:HB2	17	0.15
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD21	7	0.15
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD22	7	0.15
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD23	7	0.15
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD21	7	0.15
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD22	7	0.15
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD23	7	0.15
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD21	7	0.15
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD22	7	0.15
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD23	7	0.15
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD21	9	0.15
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD22	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD23	9	0.15
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD21	9	0.15
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD22	9	0.15
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD23	9	0.15
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD21	9	0.15
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD22	9	0.15
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD23	9	0.15
(2,2431)	1:52:A:LEU:HD11	1:73:A:LEU:HB2	14	0.15
(2,2431)	1:52:A:LEU:HD12	1:73:A:LEU:HB2	14	0.15
(2,2431)	1:52:A:LEU:HD13	1:73:A:LEU:HB2	14	0.15
(2,2297)	1:58:A:TYR:HB3	1:61:A:GLU:HG3	11	0.15
(2,2297)	1:58:A:TYR:HB3	1:61:A:GLU:HG2	11	0.15
(2,2172)	1:84:A:ALA:HB1	1:51:A:LEU:HB2	2	0.15
(2,2172)	1:84:A:ALA:HB2	1:51:A:LEU:HB2	2	0.15
(2,2172)	1:84:A:ALA:HB3	1:51:A:LEU:HB2	2	0.15
(2,2172)	1:84:A:ALA:HB1	1:51:A:LEU:HB2	11	0.15
(2,2172)	1:84:A:ALA:HB2	1:51:A:LEU:HB2	11	0.15
(2,2172)	1:84:A:ALA:HB3	1:51:A:LEU:HB2	11	0.15
(2,2172)	1:84:A:ALA:HB1	1:51:A:LEU:HB2	17	0.15
(2,2172)	1:84:A:ALA:HB2	1:51:A:LEU:HB2	17	0.15
(2,2172)	1:84:A:ALA:HB3	1:51:A:LEU:HB2	17	0.15
(2,2167)	1:50:A:LEU:HA	1:51:A:LEU:HB3	12	0.15
(2,2053)	1:97:A:TYR:HE1	1:96:A:GLU:HG2	5	0.15
(2,2053)	1:97:A:TYR:HE2	1:96:A:GLU:HG2	5	0.15
(2,1975)	1:159:A:LYS:H	1:158:A:GLU:HG3	2	0.15
(2,1975)	1:159:A:LYS:H	1:158:A:GLU:HG3	16	0.15
(2,1959)	1:75:A:GLU:HA	1:41:A:LYS:HE2	13	0.15
(2,1959)	1:75:A:GLU:HA	1:41:A:LYS:HE2	16	0.15
(2,1953)	1:72:A:THR:HG21	1:41:A:LYS:HD2	18	0.15
(2,1953)	1:72:A:THR:HG22	1:41:A:LYS:HD2	18	0.15
(2,1953)	1:72:A:THR:HG23	1:41:A:LYS:HD2	18	0.15
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD11	13	0.15
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD12	13	0.15
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD13	13	0.15
(2,1813)	1:32:A:ASP:HB2	1:33:A:VAL:HG21	5	0.15
(2,1813)	1:32:A:ASP:HB2	1:33:A:VAL:HG22	5	0.15
(2,1813)	1:32:A:ASP:HB2	1:33:A:VAL:HG23	5	0.15
(2,1724)	1:29:A:ASP:HA	1:28:A:LYS:HG3	20	0.15
(2,1655)	1:96:A:GLU:HA	1:131:A:LYS:HE3	11	0.15
(2,1521)	1:5:A:GLY:H	1:50:A:LEU:HD11	4	0.15
(2,1521)	1:5:A:GLY:H	1:50:A:LEU:HD12	4	0.15
(2,1521)	1:5:A:GLY:H	1:50:A:LEU:HD13	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1520)	1:78:A:PHE:HD1	1:81:A:LYS:HG3	3	0.15
(2,1520)	1:78:A:PHE:HD2	1:81:A:LYS:HG3	3	0.15
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD11	1	0.15
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD12	1	0.15
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD13	1	0.15
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD11	19	0.15
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD12	19	0.15
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD13	19	0.15
(2,1353)	1:6:A:ILE:HD11	1:23:A:GLN:HB3	19	0.15
(2,1353)	1:6:A:ILE:HD12	1:23:A:GLN:HB3	19	0.15
(2,1353)	1:6:A:ILE:HD13	1:23:A:GLN:HB3	19	0.15
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG21	1	0.15
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG22	1	0.15
(2,1326)	1:109:A:ILE:HD11	1:83:A:VAL:HG23	1	0.15
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG21	1	0.15
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG22	1	0.15
(2,1326)	1:109:A:ILE:HD12	1:83:A:VAL:HG23	1	0.15
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG21	1	0.15
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG22	1	0.15
(2,1326)	1:109:A:ILE:HD13	1:83:A:VAL:HG23	1	0.15
(2,1167)	1:167:A:GLU:HG2	1:167:A:GLU:HA	5	0.15
(2,1096)	1:164:A:ILE:HG21	1:161:A:VAL:HA	14	0.15
(2,1096)	1:164:A:ILE:HG22	1:161:A:VAL:HA	14	0.15
(2,1096)	1:164:A:ILE:HG23	1:161:A:VAL:HA	14	0.15
(2,1073)	1:164:A:ILE:HD11	1:26:A:LEU:HD11	12	0.15
(2,1073)	1:164:A:ILE:HD11	1:26:A:LEU:HD12	12	0.15
(2,1073)	1:164:A:ILE:HD11	1:26:A:LEU:HD13	12	0.15
(2,1073)	1:164:A:ILE:HD12	1:26:A:LEU:HD11	12	0.15
(2,1073)	1:164:A:ILE:HD12	1:26:A:LEU:HD12	12	0.15
(2,1073)	1:164:A:ILE:HD12	1:26:A:LEU:HD13	12	0.15
(2,1073)	1:164:A:ILE:HD13	1:26:A:LEU:HD11	12	0.15
(2,1073)	1:164:A:ILE:HD13	1:26:A:LEU:HD12	12	0.15
(2,1073)	1:164:A:ILE:HD13	1:26:A:LEU:HD13	12	0.15
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD21	20	0.15
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD22	20	0.15
(2,1062)	1:36:A:ILE:HG12	1:73:A:LEU:HD23	20	0.15
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD11	3	0.15
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD12	3	0.15
(2,1054)	1:22:A:ILE:HD11	1:51:A:LEU:HD13	3	0.15
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD11	3	0.15
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD12	3	0.15
(2,1054)	1:22:A:ILE:HD12	1:51:A:LEU:HD13	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD11	3	0.15
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD12	3	0.15
(2,1054)	1:22:A:ILE:HD13	1:51:A:LEU:HD13	3	0.15
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG21	3	0.15
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG22	3	0.15
(2,1037)	1:25:A:GLN:HB3	1:22:A:ILE:HG23	3	0.15
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB1	11	0.15
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB2	11	0.15
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB3	11	0.15
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB1	20	0.15
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB2	20	0.15
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB3	20	0.15
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD11	6	0.15
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD12	6	0.15
(2,986)	1:168:A:LEU:HD21	1:164:A:ILE:HD13	6	0.15
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD11	6	0.15
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD12	6	0.15
(2,986)	1:168:A:LEU:HD22	1:164:A:ILE:HD13	6	0.15
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD11	6	0.15
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD12	6	0.15
(2,986)	1:168:A:LEU:HD23	1:164:A:ILE:HD13	6	0.15
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD11	7	0.15
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD12	7	0.15
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD13	7	0.15
(2,782)	1:159:A:LYS:HA	1:159:A:LYS:HD2	9	0.15
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG11	12	0.15
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG12	12	0.15
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG13	12	0.15
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD11	17	0.15
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD12	17	0.15
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD13	17	0.15
(2,512)	1:69:A:PHE:HE1	1:73:A:LEU:HD21	1	0.15
(2,512)	1:69:A:PHE:HE1	1:73:A:LEU:HD22	1	0.15
(2,512)	1:69:A:PHE:HE1	1:73:A:LEU:HD23	1	0.15
(2,512)	1:69:A:PHE:HE2	1:73:A:LEU:HD21	1	0.15
(2,512)	1:69:A:PHE:HE2	1:73:A:LEU:HD22	1	0.15
(2,512)	1:69:A:PHE:HE2	1:73:A:LEU:HD23	1	0.15
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD21	8	0.15
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD22	8	0.15
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD23	8	0.15
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD21	8	0.15
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD22	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD23	8	0.15
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD21	8	0.15
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD22	8	0.15
(2,490)	1:78:A:PHE:HD1	1:50:A:LEU:HD23	8	0.15
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD21	8	0.15
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD22	8	0.15
(2,490)	1:78:A:PHE:HD2	1:50:A:LEU:HD23	8	0.15
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD11	6	0.15
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD12	6	0.15
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD13	6	0.15
(2,472)	1:173:A:ILE:H	1:173:A:ILE:HG12	5	0.15
(2,472)	1:173:A:ILE:H	1:173:A:ILE:HG12	17	0.15
(2,422)	1:165:A:SER:H	1:166:A:GLU:HG2	4	0.15
(2,422)	1:165:A:SER:H	1:166:A:GLU:HG2	9	0.15
(2,417)	1:158:A:GLU:H	1:158:A:GLU:HG2	2	0.15
(2,377)	1:47:A:TYR:H	1:47:A:TYR:HB3	1	0.15
(2,377)	1:47:A:TYR:H	1:47:A:TYR:HB3	11	0.15
(2,377)	1:47:A:TYR:H	1:47:A:TYR:HB3	15	0.15
(2,135)	1:142:A:LEU:HD11	1:120:A:TRP:HD1	12	0.15
(2,135)	1:142:A:LEU:HD12	1:120:A:TRP:HD1	12	0.15
(2,135)	1:142:A:LEU:HD13	1:120:A:TRP:HD1	12	0.15
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE1	20	0.15
(2,90)	1:96:A:GLU:HG2	1:97:A:TYR:HE2	20	0.15
(2,43)	1:59:A:TYR:H	2:201:A:FMN:H6	17	0.15
(3,655)	1:167:A:GLU:HB3	1:165:A:SER:H	5	0.14
(3,533)	1:103:A:GLY:HA3	1:106:A:ARG:HE	7	0.14
(3,378)	1:6:A:ILE:HG12	1:33:A:VAL:H	2	0.14
(3,377)	1:20:A:LYS:HG2	1:33:A:VAL:H	16	0.14
(3,193)	1:54:A:ILE:HD11	1:102:A:LEU:HB3	20	0.14
(3,193)	1:54:A:ILE:HD12	1:102:A:LEU:HB3	20	0.14
(3,193)	1:54:A:ILE:HD13	1:102:A:LEU:HB3	20	0.14
(3,74)	1:29:A:ASP:H	1:28:A:LYS:HE2	15	0.14
(3,43)	1:50:A:LEU:HD11	1:5:A:GLY:HA2	14	0.14
(3,43)	1:50:A:LEU:HD12	1:5:A:GLY:HA2	14	0.14
(3,43)	1:50:A:LEU:HD13	1:5:A:GLY:HA2	14	0.14
(3,19)	1:63:A:GLN:HA	1:57:A:TRP:HZ2	7	0.14
(2,5378)	1:145:A:ASP:HB3	1:91:A:GLN:HE22	11	0.14
(2,5378)	1:145:A:ASP:HB2	1:91:A:GLN:HE22	11	0.14
(2,5334)	1:172:A:GLU:HB2	1:174:A:LEU:H	5	0.14
(2,5334)	1:172:A:GLU:HB2	1:174:A:LEU:H	16	0.14
(2,5334)	1:172:A:GLU:HB2	1:174:A:LEU:H	19	0.14
(2,5309)	1:169:A:HIS:HB2	1:169:A:HIS:H	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5301)	1:164:A:ILE:HD11	1:168:A:LEU:H	9	0.14
(2,5301)	1:164:A:ILE:HD12	1:168:A:LEU:H	9	0.14
(2,5301)	1:164:A:ILE:HD13	1:168:A:LEU:H	9	0.14
(2,5301)	1:164:A:ILE:HD11	1:168:A:LEU:H	13	0.14
(2,5301)	1:164:A:ILE:HD12	1:168:A:LEU:H	13	0.14
(2,5301)	1:164:A:ILE:HD13	1:168:A:LEU:H	13	0.14
(2,5298)	1:167:A:GLU:HB3	1:168:A:LEU:H	9	0.14
(2,5290)	1:168:A:LEU:HD21	1:167:A:GLU:H	15	0.14
(2,5290)	1:168:A:LEU:HD22	1:167:A:GLU:H	15	0.14
(2,5290)	1:168:A:LEU:HD23	1:167:A:GLU:H	15	0.14
(2,5289)	1:167:A:GLU:HB3	1:167:A:GLU:H	1	0.14
(2,5289)	1:167:A:GLU:HB3	1:167:A:GLU:H	13	0.14
(2,5260)	1:163:A:GLN:HB3	1:163:A:GLN:H	10	0.14
(2,5260)	1:163:A:GLN:HB3	1:163:A:GLN:H	18	0.14
(2,5257)	1:162:A:LYS:HG2	1:162:A:LYS:H	10	0.14
(2,5242)	1:159:A:LYS:HG3	1:160:A:TRP:H	6	0.14
(2,5175)	1:156:A:ARG:HD3	1:151:A:GLU:H	3	0.14
(2,5111)	1:102:A:LEU:HD11	1:140:A:VAL:H	7	0.14
(2,5111)	1:102:A:LEU:HD12	1:140:A:VAL:H	7	0.14
(2,5111)	1:102:A:LEU:HD13	1:140:A:VAL:H	7	0.14
(2,5065)	1:131:A:LYS:HB2	1:132:A:GLY:H	9	0.14
(2,5054)	1:96:A:GLU:HB2	1:129:A:ALA:H	2	0.14
(2,5031)	1:123:A:ALA:H	1:125:A:TYR:H	1	0.14
(2,4986)	1:113:A:GLY:HA3	1:113:A:GLY:H	1	0.14
(2,4980)	1:74:A:GLU:HB2	1:112:A:ARG:HE	4	0.14
(2,4974)	1:74:A:GLU:H	1:112:A:ARG:HE	4	0.14
(2,4966)	1:116:A:ILE:HD11	1:109:A:ILE:H	15	0.14
(2,4966)	1:116:A:ILE:HD12	1:109:A:ILE:H	15	0.14
(2,4966)	1:116:A:ILE:HD13	1:109:A:ILE:H	15	0.14
(2,4934)	1:105:A:ILE:HG12	1:104:A:THR:H	6	0.14
(2,4921)	1:102:A:LEU:HD11	1:102:A:LEU:H	14	0.14
(2,4921)	1:102:A:LEU:HD12	1:102:A:LEU:H	14	0.14
(2,4921)	1:102:A:LEU:HD13	1:102:A:LEU:H	14	0.14
(2,4863)	1:92:A:GLU:HG3	1:92:A:GLU:H	4	0.14
(2,4863)	1:92:A:GLU:HG3	1:92:A:GLU:H	8	0.14
(2,4801)	1:114:A:ALA:HB1	1:81:A:LYS:H	11	0.14
(2,4801)	1:114:A:ALA:HB2	1:81:A:LYS:H	11	0.14
(2,4801)	1:114:A:ALA:HB3	1:81:A:LYS:H	11	0.14
(2,4742)	1:73:A:LEU:HD11	1:70:A:PHE:H	7	0.14
(2,4742)	1:73:A:LEU:HD12	1:70:A:PHE:H	7	0.14
(2,4742)	1:73:A:LEU:HD13	1:70:A:PHE:H	7	0.14
(2,4719)	1:9:A:GLY:HA3	1:66:A:TRP:H	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4698)	1:101:A:ALA:H	1:61:A:GLU:H	4	0.14
(2,4660)	1:83:A:VAL:HG11	1:52:A:LEU:H	9	0.14
(2,4660)	1:83:A:VAL:HG12	1:52:A:LEU:H	9	0.14
(2,4660)	1:83:A:VAL:HG13	1:52:A:LEU:H	9	0.14
(2,4555)	1:65:A:ASP:HB2	1:37:A:ALA:H	5	0.14
(2,4555)	1:65:A:ASP:HB2	1:37:A:ALA:H	9	0.14
(2,4543)	1:7:A:PHE:HB2	1:36:A:ILE:H	9	0.14
(2,4507)	1:28:A:LYS:HB2	1:30:A:VAL:H	10	0.14
(2,4463)	1:21:A:MET:HA	1:23:A:GLN:H	2	0.14
(2,4383)	1:66:A:TRP:HZ3	1:9:A:GLY:H	17	0.14
(2,4365)	1:32:A:ASP:HB2	1:6:A:ILE:H	1	0.14
(2,4365)	1:32:A:ASP:HB2	1:6:A:ILE:H	18	0.14
(2,4148)	1:15:A:THR:HG21	1:53:A:GLY:H	8	0.14
(2,4148)	1:15:A:THR:HG22	1:53:A:GLY:H	8	0.14
(2,4148)	1:15:A:THR:HG23	1:53:A:GLY:H	8	0.14
(2,4146)	1:133:A:LEU:HD21	1:130:A:SER:H	1	0.14
(2,4146)	1:133:A:LEU:HD22	1:130:A:SER:H	1	0.14
(2,4146)	1:133:A:LEU:HD23	1:130:A:SER:H	1	0.14
(2,4133)	1:109:A:ILE:HB	1:109:A:ILE:H	3	0.14
(2,4133)	1:109:A:ILE:HB	1:109:A:ILE:H	5	0.14
(2,4133)	1:109:A:ILE:HB	1:109:A:ILE:H	9	0.14
(2,4133)	1:109:A:ILE:HB	1:109:A:ILE:H	12	0.14
(2,4133)	1:109:A:ILE:HB	1:109:A:ILE:H	13	0.14
(2,4133)	1:109:A:ILE:HB	1:109:A:ILE:H	14	0.14
(2,4124)	1:25:A:GLN:HA	1:25:A:GLN:HE21	11	0.14
(2,4059)	1:133:A:LEU:HB2	1:135:A:ASP:H	4	0.14
(2,4051)	1:38:A:LYS:HB3	1:38:A:LYS:H	10	0.14
(2,4051)	1:38:A:LYS:HB3	1:38:A:LYS:H	15	0.14
(2,4051)	1:38:A:LYS:HB3	1:38:A:LYS:H	18	0.14
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD21	1	0.14
(2,4049)	1:17:A:ASN:HB2	1:17:A:ASN:HD22	1	0.14
(2,4046)	1:170:A:LEU:HG	1:168:A:LEU:H	1	0.14
(2,3986)	1:170:A:LEU:HA	1:170:A:LEU:H	2	0.14
(2,3986)	1:170:A:LEU:HA	1:170:A:LEU:H	18	0.14
(2,3903)	1:158:A:GLU:HG3	1:159:A:LYS:H	9	0.14
(2,3882)	1:26:A:LEU:HD21	1:26:A:LEU:H	17	0.14
(2,3882)	1:26:A:LEU:HD22	1:26:A:LEU:H	17	0.14
(2,3882)	1:26:A:LEU:HD23	1:26:A:LEU:H	17	0.14
(2,3880)	1:25:A:GLN:HB3	1:26:A:LEU:H	14	0.14
(2,3839)	1:165:A:SER:HB3	1:165:A:SER:H	12	0.14
(2,3839)	1:165:A:SER:HB3	1:165:A:SER:H	14	0.14
(2,3839)	1:165:A:SER:HB3	1:165:A:SER:H	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3801)	1:27:A:GLY:HA3	1:30:A:VAL:H	1	0.14
(2,3801)	1:27:A:GLY:HA3	1:30:A:VAL:H	10	0.14
(2,3801)	1:27:A:GLY:HA3	1:30:A:VAL:H	11	0.14
(2,3793)	1:156:A:ARG:HB3	1:156:A:ARG:H	3	0.14
(2,3788)	1:164:A:ILE:HA	1:167:A:GLU:H	4	0.14
(2,3788)	1:164:A:ILE:HA	1:167:A:GLU:H	9	0.14
(2,3781)	1:114:A:ALA:HB1	1:115:A:THR:H	2	0.14
(2,3781)	1:114:A:ALA:HB2	1:115:A:THR:H	2	0.14
(2,3781)	1:114:A:ALA:HB3	1:115:A:THR:H	2	0.14
(2,3757)	1:162:A:LYS:HB2	1:163:A:GLN:H	3	0.14
(2,3756)	1:163:A:GLN:HG3	1:163:A:GLN:H	9	0.14
(2,3750)	1:82:A:LEU:HD21	1:83:A:VAL:H	6	0.14
(2,3750)	1:82:A:LEU:HD22	1:83:A:VAL:H	6	0.14
(2,3750)	1:82:A:LEU:HD23	1:83:A:VAL:H	6	0.14
(2,3733)	1:166:A:GLU:HA	1:166:A:GLU:H	6	0.14
(2,3733)	1:166:A:GLU:HA	1:166:A:GLU:H	7	0.14
(2,3733)	1:166:A:GLU:HA	1:166:A:GLU:H	16	0.14
(2,3726)	1:70:A:PHE:HB3	1:70:A:PHE:H	7	0.14
(2,3697)	1:30:A:VAL:HG11	1:31:A:ALA:H	6	0.14
(2,3697)	1:30:A:VAL:HG12	1:31:A:ALA:H	6	0.14
(2,3697)	1:30:A:VAL:HG13	1:31:A:ALA:H	6	0.14
(2,3607)	1:77:A:ASP:HB2	1:77:A:ASP:H	1	0.14
(2,3581)	1:51:A:LEU:HD11	1:84:A:ALA:H	1	0.14
(2,3581)	1:51:A:LEU:HD12	1:84:A:ALA:H	1	0.14
(2,3581)	1:51:A:LEU:HD13	1:84:A:ALA:H	1	0.14
(2,3507)	1:164:A:ILE:HD11	1:170:A:LEU:HD11	15	0.14
(2,3507)	1:164:A:ILE:HD11	1:170:A:LEU:HD12	15	0.14
(2,3507)	1:164:A:ILE:HD11	1:170:A:LEU:HD13	15	0.14
(2,3507)	1:164:A:ILE:HD12	1:170:A:LEU:HD11	15	0.14
(2,3507)	1:164:A:ILE:HD12	1:170:A:LEU:HD12	15	0.14
(2,3507)	1:164:A:ILE:HD12	1:170:A:LEU:HD13	15	0.14
(2,3507)	1:164:A:ILE:HD13	1:170:A:LEU:HD11	15	0.14
(2,3507)	1:164:A:ILE:HD13	1:170:A:LEU:HD12	15	0.14
(2,3507)	1:164:A:ILE:HD13	1:170:A:LEU:HD13	15	0.14
(2,3466)	1:170:A:LEU:HB3	1:165:A:SER:HB3	13	0.14
(2,3466)	1:170:A:LEU:HB3	1:165:A:SER:HB2	13	0.14
(2,3450)	1:51:A:LEU:HG	1:164:A:ILE:HG21	10	0.14
(2,3450)	1:51:A:LEU:HG	1:164:A:ILE:HG22	10	0.14
(2,3450)	1:51:A:LEU:HG	1:164:A:ILE:HG23	10	0.14
(2,3433)	1:162:A:LYS:H	1:163:A:GLN:HG3	6	0.14
(2,3354)	1:162:A:LYS:H	1:163:A:GLN:HB3	3	0.14
(2,3212)	1:106:A:ARG:HG2	1:140:A:VAL:HG11	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3212)	1:106:A:ARG:HG2	1:140:A:VAL:HG12	11	0.14
(2,3212)	1:106:A:ARG:HG2	1:140:A:VAL:HG13	11	0.14
(2,3119)	1:149:A:GLN:HG3	1:148:A:ARG:HA	7	0.14
(2,3093)	1:125:A:TYR:HD1	1:126:A:HIS:HB2	1	0.14
(2,3093)	1:125:A:TYR:HD2	1:126:A:HIS:HB2	1	0.14
(2,3058)	1:160:A:TRP:HD1	1:121:A:PRO:HD3	12	0.14
(2,3039)	1:121:A:PRO:HB3	1:120:A:TRP:HA	20	0.14
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG3	20	0.14
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG2	20	0.14
(2,2921)	1:110:A:GLU:HG2	1:110:A:GLU:HA	19	0.14
(2,2921)	1:110:A:GLU:HG2	1:110:A:GLU:HA	20	0.14
(2,2904)	1:116:A:ILE:HG12	1:109:A:ILE:HD11	4	0.14
(2,2904)	1:116:A:ILE:HG12	1:109:A:ILE:HD12	4	0.14
(2,2904)	1:116:A:ILE:HG12	1:109:A:ILE:HD13	4	0.14
(2,2894)	1:73:A:LEU:HD11	1:109:A:ILE:HA	17	0.14
(2,2894)	1:73:A:LEU:HD12	1:109:A:ILE:HA	17	0.14
(2,2894)	1:73:A:LEU:HD13	1:109:A:ILE:HA	17	0.14
(2,2771)	1:54:A:ILE:H	1:102:A:LEU:HD21	11	0.14
(2,2771)	1:54:A:ILE:H	1:102:A:LEU:HD22	11	0.14
(2,2771)	1:54:A:ILE:H	1:102:A:LEU:HD23	11	0.14
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD11	7	0.14
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD12	7	0.14
(2,2769)	1:140:A:VAL:H	1:102:A:LEU:HD13	7	0.14
(2,2587)	1:83:A:VAL:HG21	1:84:A:ALA:HA	1	0.14
(2,2587)	1:83:A:VAL:HG22	1:84:A:ALA:HA	1	0.14
(2,2587)	1:83:A:VAL:HG23	1:84:A:ALA:HA	1	0.14
(2,2582)	1:109:A:ILE:HG12	1:83:A:VAL:HB	8	0.14
(2,2541)	1:117:A:VAL:HG21	1:82:A:LEU:HA	7	0.14
(2,2541)	1:117:A:VAL:HG22	1:82:A:LEU:HA	7	0.14
(2,2541)	1:117:A:VAL:HG23	1:82:A:LEU:HA	7	0.14
(2,2510)	1:113:A:GLY:HA2	1:79:A:ASN:HA	8	0.14
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD11	5	0.14
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD12	5	0.14
(2,2487)	1:41:A:LYS:HE3	1:76:A:ILE:HD13	5	0.14
(2,2454)	1:174:A:LEU:H	1:172:A:GLU:HB2	5	0.14
(2,2454)	1:174:A:LEU:H	1:172:A:GLU:HB2	16	0.14
(2,2454)	1:174:A:LEU:H	1:172:A:GLU:HB2	19	0.14
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD21	12	0.14
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD22	12	0.14
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD23	12	0.14
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD21	12	0.14
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD22	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD23	12	0.14
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD21	12	0.14
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD22	12	0.14
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD23	12	0.14
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD21	17	0.14
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD22	17	0.14
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD23	17	0.14
(2,2388)	1:112:A:ARG:HD2	1:111:A:PRO:HB2	19	0.14
(2,2332)	1:156:A:ARG:HD2	1:156:A:ARG:HA	6	0.14
(2,2332)	1:156:A:ARG:HD2	1:156:A:ARG:HA	16	0.14
(2,2298)	1:41:A:LYS:HE3	1:75:A:GLU:HG3	20	0.14
(2,2251)	1:101:A:ALA:HB1	1:54:A:ILE:HG21	20	0.14
(2,2251)	1:101:A:ALA:HB1	1:54:A:ILE:HG22	20	0.14
(2,2251)	1:101:A:ALA:HB1	1:54:A:ILE:HG23	20	0.14
(2,2251)	1:101:A:ALA:HB2	1:54:A:ILE:HG21	20	0.14
(2,2251)	1:101:A:ALA:HB2	1:54:A:ILE:HG22	20	0.14
(2,2251)	1:101:A:ALA:HB2	1:54:A:ILE:HG23	20	0.14
(2,2251)	1:101:A:ALA:HB3	1:54:A:ILE:HG21	20	0.14
(2,2251)	1:101:A:ALA:HB3	1:54:A:ILE:HG22	20	0.14
(2,2251)	1:101:A:ALA:HB3	1:54:A:ILE:HG23	20	0.14
(2,2231)	1:87:A:GLY:HA3	1:54:A:ILE:HA	1	0.14
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD11	4	0.14
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD12	4	0.14
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD13	4	0.14
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD21	1	0.14
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD22	1	0.14
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD23	1	0.14
(2,2182)	1:6:A:ILE:HG12	1:51:A:LEU:HG	5	0.14
(2,2182)	1:6:A:ILE:HG12	1:51:A:LEU:HG	9	0.14
(2,2130)	1:120:A:TRP:HH2	1:159:A:LYS:HG2	15	0.14
(2,2057)	1:43:A:ASP:HB2	1:46:A:ALA:HB1	11	0.14
(2,2057)	1:43:A:ASP:HB2	1:46:A:ALA:HB2	11	0.14
(2,2057)	1:43:A:ASP:HB2	1:46:A:ALA:HB3	11	0.14
(2,1975)	1:159:A:LYS:H	1:158:A:GLU:HG3	9	0.14
(2,1959)	1:75:A:GLU:HA	1:41:A:LYS:HE2	11	0.14
(2,1945)	1:44:A:LEU:HD11	1:41:A:LYS:HA	13	0.14
(2,1945)	1:44:A:LEU:HD12	1:41:A:LYS:HA	13	0.14
(2,1945)	1:44:A:LEU:HD13	1:41:A:LYS:HA	13	0.14
(2,1889)	1:65:A:ASP:HA	1:37:A:ALA:HB1	4	0.14
(2,1889)	1:65:A:ASP:HA	1:37:A:ALA:HB2	4	0.14
(2,1889)	1:65:A:ASP:HA	1:37:A:ALA:HB3	4	0.14
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD11	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD12	18	0.14
(2,1866)	1:69:A:PHE:HB2	1:36:A:ILE:HD13	18	0.14
(2,1813)	1:32:A:ASP:HB2	1:33:A:VAL:HG21	10	0.14
(2,1813)	1:32:A:ASP:HB2	1:33:A:VAL:HG22	10	0.14
(2,1813)	1:32:A:ASP:HB2	1:33:A:VAL:HG23	10	0.14
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG21	14	0.14
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG22	14	0.14
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG23	14	0.14
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG11	6	0.14
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG12	6	0.14
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG13	6	0.14
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG11	10	0.14
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG12	10	0.14
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG13	10	0.14
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD11	13	0.14
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD12	13	0.14
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD13	13	0.14
(2,1675)	1:22:A:ILE:HA	1:25:A:GLN:HG2	16	0.14
(2,1675)	1:22:A:ILE:HA	1:25:A:GLN:HG2	20	0.14
(2,1458)	1:71:A:PRO:HD2	1:68:A:ASP:HA	20	0.14
(2,1337)	1:50:A:LEU:HA	1:6:A:ILE:HA	2	0.14
(2,1327)	1:2:A:ALA:HA	1:30:A:VAL:HG11	4	0.14
(2,1327)	1:2:A:ALA:HA	1:30:A:VAL:HG12	4	0.14
(2,1327)	1:2:A:ALA:HA	1:30:A:VAL:HG13	4	0.14
(2,1327)	1:2:A:ALA:HA	1:30:A:VAL:HG11	7	0.14
(2,1327)	1:2:A:ALA:HA	1:30:A:VAL:HG12	7	0.14
(2,1327)	1:2:A:ALA:HA	1:30:A:VAL:HG13	7	0.14
(2,877)	1:162:A:LYS:HA	1:161:A:VAL:HG11	11	0.14
(2,877)	1:162:A:LYS:HA	1:161:A:VAL:HG12	11	0.14
(2,877)	1:162:A:LYS:HA	1:161:A:VAL:HG13	11	0.14
(2,850)	1:171:A:ASP:HA	1:174:A:LEU:HD21	13	0.14
(2,850)	1:171:A:ASP:HA	1:174:A:LEU:HD22	13	0.14
(2,850)	1:171:A:ASP:HA	1:174:A:LEU:HD23	13	0.14
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD11	2	0.14
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD12	2	0.14
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD13	2	0.14
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD11	10	0.14
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD12	10	0.14
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD13	10	0.14
(2,798)	1:112:A:ARG:HD2	1:111:A:PRO:HG2	1	0.14
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD11	17	0.14
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD12	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD13	17	0.14
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD11	17	0.14
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD12	17	0.14
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD13	17	0.14
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD11	4	0.14
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD12	4	0.14
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD13	4	0.14
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD11	10	0.14
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD12	10	0.14
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD13	10	0.14
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD11	11	0.14
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD12	11	0.14
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD13	11	0.14
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG11	20	0.14
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG12	20	0.14
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG13	20	0.14
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD11	1	0.14
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD12	1	0.14
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD13	1	0.14
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD11	8	0.14
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD12	8	0.14
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD13	8	0.14
(2,516)	1:125:A:TYR:HD1	1:133:A:LEU:HD21	7	0.14
(2,516)	1:125:A:TYR:HD1	1:133:A:LEU:HD22	7	0.14
(2,516)	1:125:A:TYR:HD1	1:133:A:LEU:HD23	7	0.14
(2,516)	1:125:A:TYR:HD2	1:133:A:LEU:HD21	7	0.14
(2,516)	1:125:A:TYR:HD2	1:133:A:LEU:HD22	7	0.14
(2,516)	1:125:A:TYR:HD2	1:133:A:LEU:HD23	7	0.14
(2,472)	1:173:A:ILE:H	1:173:A:ILE:HG12	1	0.14
(2,453)	1:158:A:GLU:H	1:155:A:GLU:HB2	1	0.14
(2,439)	1:163:A:GLN:H	1:162:A:LYS:HB2	3	0.14
(2,408)	1:17:A:ASN:HD21	1:17:A:ASN:HB2	1	0.14
(2,403)	1:79:A:ASN:H	1:79:A:ASN:HB3	1	0.14
(2,377)	1:47:A:TYR:H	1:47:A:TYR:HB3	3	0.14
(2,377)	1:47:A:TYR:H	1:47:A:TYR:HB3	16	0.14
(2,335)	1:27:A:GLY:H	1:24:A:LYS:HA	4	0.14
(2,335)	1:27:A:GLY:H	1:24:A:LYS:HA	6	0.14
(2,335)	1:27:A:GLY:H	1:24:A:LYS:HA	11	0.14
(2,150)	1:145:A:ASP:HB2	1:149:A:GLN:HA	1	0.14
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE1	12	0.14
(2,143)	1:109:A:ILE:HG21	1:69:A:PHE:HE2	12	0.14
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE1	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,143)	1:109:A:ILE:HG22	1:69:A:PHE:HE2	12	0.14
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE1	12	0.14
(2,143)	1:109:A:ILE:HG23	1:69:A:PHE:HE2	12	0.14
(2,84)	1:159:A:LYS:HG3	1:120:A:TRP:HH2	10	0.14
(2,43)	1:59:A:TYR:H	2:201:A:FMN:H6	2	0.14
(2,40)	1:99:A:CYS:H	2:201:A:FMN:HN3	6	0.14
(3,687)	1:145:A:ASP:HB2	1:91:A:GLN:HE21	11	0.13
(3,564)	1:133:A:LEU:HD11	1:122:A:THR:H	14	0.13
(3,564)	1:133:A:LEU:HD12	1:122:A:THR:H	14	0.13
(3,564)	1:133:A:LEU:HD13	1:122:A:THR:H	14	0.13
(3,491)	1:91:A:GLN:HG2	1:94:A:TYR:H	17	0.13
(3,377)	1:20:A:LYS:HG2	1:33:A:VAL:H	8	0.13
(3,87)	1:91:A:GLN:HE21	1:145:A:ASP:HB2	11	0.13
(3,66)	1:17:A:ASN:H	1:21:A:MET:HE1	14	0.13
(3,66)	1:17:A:ASN:H	1:21:A:MET:HE2	14	0.13
(3,66)	1:17:A:ASN:H	1:21:A:MET:HE3	14	0.13
(3,43)	1:50:A:LEU:HD11	1:5:A:GLY:HA2	4	0.13
(3,43)	1:50:A:LEU:HD12	1:5:A:GLY:HA2	4	0.13
(3,43)	1:50:A:LEU:HD13	1:5:A:GLY:HA2	4	0.13
(2,5347)	1:171:A:ASP:HA	1:175:A:ASN:HD21	8	0.13
(2,5347)	1:171:A:ASP:HA	1:175:A:ASN:HD21	12	0.13
(2,5342)	1:171:A:ASP:HB2	1:175:A:ASN:H	2	0.13
(2,5334)	1:172:A:GLU:HB2	1:174:A:LEU:H	10	0.13
(2,5334)	1:172:A:GLU:HB2	1:174:A:LEU:H	20	0.13
(2,5309)	1:169:A:HIS:HB2	1:169:A:HIS:H	13	0.13
(2,5303)	1:168:A:LEU:HB3	1:168:A:LEU:H	3	0.13
(2,5303)	1:168:A:LEU:HB3	1:168:A:LEU:H	11	0.13
(2,5298)	1:167:A:GLU:HB3	1:168:A:LEU:H	10	0.13
(2,5289)	1:167:A:GLU:HB3	1:167:A:GLU:H	8	0.13
(2,5289)	1:167:A:GLU:HB3	1:167:A:GLU:H	10	0.13
(2,5289)	1:167:A:GLU:HB3	1:167:A:GLU:H	16	0.13
(2,5282)	1:165:A:SER:HA	1:166:A:GLU:H	14	0.13
(2,5266)	1:118:A:GLY:HA3	1:164:A:ILE:H	10	0.13
(2,5266)	1:118:A:GLY:HA3	1:164:A:ILE:H	19	0.13
(2,5242)	1:159:A:LYS:HG3	1:160:A:TRP:H	3	0.13
(2,5227)	1:93:A:ASP:H	1:148:A:ARG:HE	15	0.13
(2,5153)	1:146:A:GLU:H	1:147:A:ASP:H	17	0.13
(2,5149)	1:144:A:ILE:HG12	1:145:A:ASP:H	13	0.13
(2,5143)	1:144:A:ILE:HG12	1:144:A:ILE:H	6	0.13
(2,5102)	1:133:A:LEU:HD11	1:138:A:HIS:H	15	0.13
(2,5102)	1:133:A:LEU:HD12	1:138:A:HIS:H	15	0.13
(2,5102)	1:133:A:LEU:HD13	1:138:A:HIS:H	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5066)	1:133:A:LEU:HD21	1:132:A:GLY:H	12	0.13
(2,5066)	1:133:A:LEU:HD22	1:132:A:GLY:H	12	0.13
(2,5066)	1:133:A:LEU:HD23	1:132:A:GLY:H	12	0.13
(2,5059)	1:131:A:LYS:HG3	1:130:A:SER:H	1	0.13
(2,5045)	1:95:A:ALA:HB1	1:127:A:PHE:H	6	0.13
(2,5045)	1:95:A:ALA:HB2	1:127:A:PHE:H	6	0.13
(2,5045)	1:95:A:ALA:HB3	1:127:A:PHE:H	6	0.13
(2,5031)	1:123:A:ALA:H	1:125:A:TYR:H	8	0.13
(2,4986)	1:113:A:GLY:HA3	1:113:A:GLY:H	3	0.13
(2,4986)	1:113:A:GLY:HA3	1:113:A:GLY:H	4	0.13
(2,4921)	1:102:A:LEU:HD11	1:102:A:LEU:H	1	0.13
(2,4921)	1:102:A:LEU:HD12	1:102:A:LEU:H	1	0.13
(2,4921)	1:102:A:LEU:HD13	1:102:A:LEU:H	1	0.13
(2,4921)	1:102:A:LEU:HD11	1:102:A:LEU:H	15	0.13
(2,4921)	1:102:A:LEU:HD12	1:102:A:LEU:H	15	0.13
(2,4921)	1:102:A:LEU:HD13	1:102:A:LEU:H	15	0.13
(2,4856)	1:91:A:GLN:HG2	1:91:A:GLN:H	12	0.13
(2,4856)	1:91:A:GLN:HG2	1:91:A:GLN:H	15	0.13
(2,4801)	1:114:A:ALA:HB1	1:81:A:LYS:H	6	0.13
(2,4801)	1:114:A:ALA:HB2	1:81:A:LYS:H	6	0.13
(2,4801)	1:114:A:ALA:HB3	1:81:A:LYS:H	6	0.13
(2,4801)	1:114:A:ALA:HB1	1:81:A:LYS:H	10	0.13
(2,4801)	1:114:A:ALA:HB2	1:81:A:LYS:H	10	0.13
(2,4801)	1:114:A:ALA:HB3	1:81:A:LYS:H	10	0.13
(2,4774)	1:41:A:LYS:HE3	1:76:A:ILE:H	18	0.13
(2,4657)	1:50:A:LEU:HD11	1:51:A:LEU:H	5	0.13
(2,4657)	1:50:A:LEU:HD12	1:51:A:LEU:H	5	0.13
(2,4657)	1:50:A:LEU:HD13	1:51:A:LEU:H	5	0.13
(2,4620)	1:44:A:LEU:HD11	1:46:A:ALA:H	5	0.13
(2,4620)	1:44:A:LEU:HD12	1:46:A:ALA:H	5	0.13
(2,4620)	1:44:A:LEU:HD13	1:46:A:ALA:H	5	0.13
(2,4620)	1:44:A:LEU:HD11	1:46:A:ALA:H	15	0.13
(2,4620)	1:44:A:LEU:HD12	1:46:A:ALA:H	15	0.13
(2,4620)	1:44:A:LEU:HD13	1:46:A:ALA:H	15	0.13
(2,4507)	1:28:A:LYS:HB2	1:30:A:VAL:H	2	0.13
(2,4488)	1:158:A:GLU:HA	1:25:A:GLN:HE21	1	0.13
(2,4487)	1:161:A:VAL:HB	1:25:A:GLN:HE21	1	0.13
(2,4487)	1:161:A:VAL:HB	1:25:A:GLN:HE21	9	0.13
(2,4455)	1:22:A:ILE:HG12	1:22:A:ILE:H	12	0.13
(2,4139)	1:161:A:VAL:HG11	1:25:A:GLN:HE22	5	0.13
(2,4139)	1:161:A:VAL:HG12	1:25:A:GLN:HE22	5	0.13
(2,4139)	1:161:A:VAL:HG13	1:25:A:GLN:HE22	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4133)	1:109:A:ILE:HB	1:109:A:ILE:H	4	0.13
(2,4133)	1:109:A:ILE:HB	1:109:A:ILE:H	10	0.13
(2,4133)	1:109:A:ILE:HB	1:109:A:ILE:H	16	0.13
(2,4133)	1:109:A:ILE:HB	1:109:A:ILE:H	17	0.13
(2,4125)	1:25:A:GLN:HG2	1:25:A:GLN:HE21	13	0.13
(2,3986)	1:170:A:LEU:HA	1:170:A:LEU:H	12	0.13
(2,3986)	1:170:A:LEU:HA	1:170:A:LEU:H	13	0.13
(2,3975)	1:174:A:LEU:HD11	1:171:A:ASP:H	14	0.13
(2,3975)	1:174:A:LEU:HD12	1:171:A:ASP:H	14	0.13
(2,3975)	1:174:A:LEU:HD13	1:171:A:ASP:H	14	0.13
(2,3935)	1:158:A:GLU:HA	1:158:A:GLU:H	9	0.13
(2,3932)	1:91:A:GLN:HB2	1:92:A:GLU:H	15	0.13
(2,3932)	1:91:A:GLN:HB2	1:92:A:GLU:H	20	0.13
(2,3882)	1:26:A:LEU:HD21	1:26:A:LEU:H	1	0.13
(2,3882)	1:26:A:LEU:HD22	1:26:A:LEU:H	1	0.13
(2,3882)	1:26:A:LEU:HD23	1:26:A:LEU:H	1	0.13
(2,3881)	1:26:A:LEU:HB3	1:26:A:LEU:H	6	0.13
(2,3881)	1:26:A:LEU:HB3	1:26:A:LEU:H	9	0.13
(2,3880)	1:25:A:GLN:HB3	1:26:A:LEU:H	18	0.13
(2,3879)	1:26:A:LEU:HA	1:26:A:LEU:H	9	0.13
(2,3839)	1:165:A:SER:HB3	1:165:A:SER:H	4	0.13
(2,3839)	1:165:A:SER:HB3	1:165:A:SER:H	6	0.13
(2,3839)	1:165:A:SER:HB3	1:165:A:SER:H	9	0.13
(2,3839)	1:165:A:SER:HB3	1:165:A:SER:H	15	0.13
(2,3801)	1:27:A:GLY:HA3	1:30:A:VAL:H	18	0.13
(2,3796)	1:16:A:GLU:HB2	1:16:A:GLU:H	11	0.13
(2,3796)	1:16:A:GLU:HB2	1:16:A:GLU:H	16	0.13
(2,3796)	1:16:A:GLU:HB2	1:16:A:GLU:H	18	0.13
(2,3794)	1:152:A:LEU:HB3	1:156:A:ARG:H	19	0.13
(2,3793)	1:156:A:ARG:HB3	1:156:A:ARG:H	2	0.13
(2,3793)	1:156:A:ARG:HB3	1:156:A:ARG:H	5	0.13
(2,3793)	1:156:A:ARG:HB3	1:156:A:ARG:H	16	0.13
(2,3793)	1:156:A:ARG:HB3	1:156:A:ARG:H	17	0.13
(2,3781)	1:114:A:ALA:HB1	1:115:A:THR:H	12	0.13
(2,3781)	1:114:A:ALA:HB2	1:115:A:THR:H	12	0.13
(2,3781)	1:114:A:ALA:HB3	1:115:A:THR:H	12	0.13
(2,3770)	1:173:A:ILE:HA	1:174:A:LEU:H	3	0.13
(2,3770)	1:173:A:ILE:HA	1:174:A:LEU:H	9	0.13
(2,3757)	1:162:A:LYS:HB2	1:163:A:GLN:H	11	0.13
(2,3757)	1:162:A:LYS:HB2	1:163:A:GLN:H	13	0.13
(2,3750)	1:82:A:LEU:HD21	1:83:A:VAL:H	7	0.13
(2,3750)	1:82:A:LEU:HD22	1:83:A:VAL:H	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3750)	1:82:A:LEU:HD23	1:83:A:VAL:H	7	0.13
(2,3750)	1:82:A:LEU:HD21	1:83:A:VAL:H	8	0.13
(2,3750)	1:82:A:LEU:HD22	1:83:A:VAL:H	8	0.13
(2,3750)	1:82:A:LEU:HD23	1:83:A:VAL:H	8	0.13
(2,3733)	1:166:A:GLU:HA	1:166:A:GLU:H	3	0.13
(2,3733)	1:166:A:GLU:HA	1:166:A:GLU:H	5	0.13
(2,3733)	1:166:A:GLU:HA	1:166:A:GLU:H	18	0.13
(2,3733)	1:166:A:GLU:HA	1:166:A:GLU:H	20	0.13
(2,3726)	1:70:A:PHE:HB3	1:70:A:PHE:H	1	0.13
(2,3726)	1:70:A:PHE:HB3	1:70:A:PHE:H	4	0.13
(2,3726)	1:70:A:PHE:HB3	1:70:A:PHE:H	5	0.13
(2,3726)	1:70:A:PHE:HB3	1:70:A:PHE:H	8	0.13
(2,3726)	1:70:A:PHE:HB3	1:70:A:PHE:H	9	0.13
(2,3726)	1:70:A:PHE:HB3	1:70:A:PHE:H	14	0.13
(2,3712)	1:82:A:LEU:HD21	1:117:A:VAL:H	12	0.13
(2,3712)	1:82:A:LEU:HD22	1:117:A:VAL:H	12	0.13
(2,3712)	1:82:A:LEU:HD23	1:117:A:VAL:H	12	0.13
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	19	0.13
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	19	0.13
(2,3607)	1:77:A:ASP:HB2	1:77:A:ASP:H	5	0.13
(2,3598)	1:82:A:LEU:HB3	1:82:A:LEU:H	2	0.13
(2,3598)	1:82:A:LEU:HB3	1:82:A:LEU:H	13	0.13
(2,3598)	1:82:A:LEU:HB3	1:82:A:LEU:H	20	0.13
(2,3581)	1:51:A:LEU:HD11	1:84:A:ALA:H	20	0.13
(2,3581)	1:51:A:LEU:HD12	1:84:A:ALA:H	20	0.13
(2,3581)	1:51:A:LEU:HD13	1:84:A:ALA:H	20	0.13
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD11	13	0.13
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD12	13	0.13
(2,3538)	1:26:A:LEU:HB3	1:170:A:LEU:HD13	13	0.13
(2,3463)	1:170:A:LEU:HD11	1:165:A:SER:HB2	5	0.13
(2,3463)	1:170:A:LEU:HD12	1:165:A:SER:HB2	5	0.13
(2,3463)	1:170:A:LEU:HD13	1:165:A:SER:HB2	5	0.13
(2,3433)	1:162:A:LYS:H	1:163:A:GLN:HG3	10	0.13
(2,3431)	1:162:A:LYS:HA	1:163:A:GLN:HG3	19	0.13
(2,3344)	1:158:A:GLU:H	1:159:A:LYS:HD2	6	0.13
(2,3168)	1:138:A:HIS:H	1:133:A:LEU:HD11	15	0.13
(2,3168)	1:138:A:HIS:H	1:133:A:LEU:HD12	15	0.13
(2,3168)	1:138:A:HIS:H	1:133:A:LEU:HD13	15	0.13
(2,3138)	1:91:A:GLN:H	1:91:A:GLN:HG3	12	0.13
(2,3110)	1:95:A:ALA:H	1:128:A:GLU:HG3	1	0.13
(2,3059)	1:120:A:TRP:H	1:121:A:PRO:HD3	20	0.13
(2,3039)	1:121:A:PRO:HB3	1:120:A:TRP:HA	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3039)	1:121:A:PRO:HB3	1:120:A:TRP:HA	10	0.13
(2,3038)	1:121:A:PRO:HG2	1:120:A:TRP:HA	10	0.13
(2,2985)	1:163:A:GLN:HG2	1:160:A:TRP:HA	18	0.13
(2,2968)	1:79:A:ASN:H	1:113:A:GLY:HA3	7	0.13
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG21	16	0.13
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG22	16	0.13
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG23	16	0.13
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB1	4	0.13
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB2	4	0.13
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB3	4	0.13
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB1	4	0.13
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB2	4	0.13
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB3	4	0.13
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB1	4	0.13
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB2	4	0.13
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB3	4	0.13
(2,2590)	1:85:A:LEU:HB2	1:84:A:ALA:HA	14	0.13
(2,2587)	1:83:A:VAL:HG21	1:84:A:ALA:HA	6	0.13
(2,2587)	1:83:A:VAL:HG22	1:84:A:ALA:HA	6	0.13
(2,2587)	1:83:A:VAL:HG23	1:84:A:ALA:HA	6	0.13
(2,2587)	1:83:A:VAL:HG21	1:84:A:ALA:HA	14	0.13
(2,2587)	1:83:A:VAL:HG22	1:84:A:ALA:HA	14	0.13
(2,2587)	1:83:A:VAL:HG23	1:84:A:ALA:HA	14	0.13
(2,2510)	1:113:A:GLY:HA2	1:79:A:ASN:HA	1	0.13
(2,2454)	1:174:A:LEU:H	1:172:A:GLU:HB2	10	0.13
(2,2454)	1:174:A:LEU:H	1:172:A:GLU:HB2	20	0.13
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD21	19	0.13
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD22	19	0.13
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD23	19	0.13
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD21	19	0.13
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD22	19	0.13
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD23	19	0.13
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD21	19	0.13
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD22	19	0.13
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD23	19	0.13
(2,2431)	1:52:A:LEU:HD11	1:73:A:LEU:HB2	10	0.13
(2,2431)	1:52:A:LEU:HD12	1:73:A:LEU:HB2	10	0.13
(2,2431)	1:52:A:LEU:HD13	1:73:A:LEU:HB2	10	0.13
(2,2431)	1:52:A:LEU:HD11	1:73:A:LEU:HB2	18	0.13
(2,2431)	1:52:A:LEU:HD12	1:73:A:LEU:HB2	18	0.13
(2,2431)	1:52:A:LEU:HD13	1:73:A:LEU:HB2	18	0.13
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD21	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD22	12	0.13
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD23	12	0.13
(2,2338)	1:158:A:GLU:HG3	1:158:A:GLU:HA	13	0.13
(2,2338)	1:158:A:GLU:HG3	1:158:A:GLU:HA	15	0.13
(2,2338)	1:158:A:GLU:HG3	1:158:A:GLU:HA	16	0.13
(2,2332)	1:156:A:ARG:HD2	1:156:A:ARG:HA	12	0.13
(2,2332)	1:156:A:ARG:HD2	1:156:A:ARG:HA	17	0.13
(2,2332)	1:156:A:ARG:HD2	1:156:A:ARG:HA	19	0.13
(2,2251)	1:101:A:ALA:HB1	1:54:A:ILE:HG21	19	0.13
(2,2251)	1:101:A:ALA:HB1	1:54:A:ILE:HG22	19	0.13
(2,2251)	1:101:A:ALA:HB1	1:54:A:ILE:HG23	19	0.13
(2,2251)	1:101:A:ALA:HB2	1:54:A:ILE:HG21	19	0.13
(2,2251)	1:101:A:ALA:HB2	1:54:A:ILE:HG22	19	0.13
(2,2251)	1:101:A:ALA:HB2	1:54:A:ILE:HG23	19	0.13
(2,2251)	1:101:A:ALA:HB3	1:54:A:ILE:HG21	19	0.13
(2,2251)	1:101:A:ALA:HB3	1:54:A:ILE:HG22	19	0.13
(2,2251)	1:101:A:ALA:HB3	1:54:A:ILE:HG23	19	0.13
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD11	11	0.13
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD12	11	0.13
(2,2211)	1:151:A:GLU:HG3	1:152:A:LEU:HD13	11	0.13
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD21	7	0.13
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD22	7	0.13
(2,2195)	1:5:A:GLY:H	1:51:A:LEU:HD23	7	0.13
(2,2182)	1:6:A:ILE:HG12	1:51:A:LEU:HG	2	0.13
(2,2172)	1:84:A:ALA:HB1	1:51:A:LEU:HB2	1	0.13
(2,2172)	1:84:A:ALA:HB2	1:51:A:LEU:HB2	1	0.13
(2,2172)	1:84:A:ALA:HB3	1:51:A:LEU:HB2	1	0.13
(2,2172)	1:84:A:ALA:HB1	1:51:A:LEU:HB2	12	0.13
(2,2172)	1:84:A:ALA:HB2	1:51:A:LEU:HB2	12	0.13
(2,2172)	1:84:A:ALA:HB3	1:51:A:LEU:HB2	12	0.13
(2,2172)	1:84:A:ALA:HB1	1:51:A:LEU:HB2	13	0.13
(2,2172)	1:84:A:ALA:HB2	1:51:A:LEU:HB2	13	0.13
(2,2172)	1:84:A:ALA:HB3	1:51:A:LEU:HB2	13	0.13
(2,2172)	1:84:A:ALA:HB1	1:51:A:LEU:HB2	20	0.13
(2,2172)	1:84:A:ALA:HB2	1:51:A:LEU:HB2	20	0.13
(2,2172)	1:84:A:ALA:HB3	1:51:A:LEU:HB2	20	0.13
(2,2167)	1:50:A:LEU:HA	1:51:A:LEU:HB3	7	0.13
(2,2167)	1:50:A:LEU:HA	1:51:A:LEU:HB3	19	0.13
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD11	1	0.13
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD12	1	0.13
(2,2032)	1:69:A:PHE:HE1	1:44:A:LEU:HD13	1	0.13
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD11	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD12	1	0.13
(2,2032)	1:69:A:PHE:HE2	1:44:A:LEU:HD13	1	0.13
(2,1981)	1:41:A:LYS:HG2	1:45:A:GLU:HG2	4	0.13
(2,1953)	1:72:A:THR:HG21	1:41:A:LYS:HD2	6	0.13
(2,1953)	1:72:A:THR:HG22	1:41:A:LYS:HD2	6	0.13
(2,1953)	1:72:A:THR:HG23	1:41:A:LYS:HD2	6	0.13
(2,1953)	1:72:A:THR:HG21	1:41:A:LYS:HD2	15	0.13
(2,1953)	1:72:A:THR:HG22	1:41:A:LYS:HD2	15	0.13
(2,1953)	1:72:A:THR:HG23	1:41:A:LYS:HD2	15	0.13
(2,1813)	1:32:A:ASP:HB2	1:33:A:VAL:HG21	13	0.13
(2,1813)	1:32:A:ASP:HB2	1:33:A:VAL:HG22	13	0.13
(2,1813)	1:32:A:ASP:HB2	1:33:A:VAL:HG23	13	0.13
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG11	7	0.13
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG12	7	0.13
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG13	7	0.13
(2,1697)	1:25:A:GLN:HB2	1:26:A:LEU:HD11	1	0.13
(2,1697)	1:25:A:GLN:HB2	1:26:A:LEU:HD12	1	0.13
(2,1697)	1:25:A:GLN:HB2	1:26:A:LEU:HD13	1	0.13
(2,1697)	1:25:A:GLN:HB3	1:26:A:LEU:HD11	1	0.13
(2,1697)	1:25:A:GLN:HB3	1:26:A:LEU:HD12	1	0.13
(2,1697)	1:25:A:GLN:HB3	1:26:A:LEU:HD13	1	0.13
(2,1662)	1:66:A:TRP:HE3	1:69:A:PHE:HB2	1	0.13
(2,1662)	1:66:A:TRP:HE3	1:69:A:PHE:HB2	13	0.13
(2,1637)	1:162:A:LYS:HE2	1:162:A:LYS:HG3	3	0.13
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG11	13	0.13
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG12	13	0.13
(2,1613)	1:167:A:GLU:HB2	1:117:A:VAL:HG13	13	0.13
(2,1563)	1:18:A:ILE:HD11	1:21:A:MET:HG3	2	0.13
(2,1563)	1:18:A:ILE:HD12	1:21:A:MET:HG3	2	0.13
(2,1563)	1:18:A:ILE:HD13	1:21:A:MET:HG3	2	0.13
(2,1563)	1:18:A:ILE:HD11	1:21:A:MET:HG2	2	0.13
(2,1563)	1:18:A:ILE:HD12	1:21:A:MET:HG2	2	0.13
(2,1563)	1:18:A:ILE:HD13	1:21:A:MET:HG2	2	0.13
(2,1520)	1:78:A:PHE:HD1	1:81:A:LYS:HG3	19	0.13
(2,1520)	1:78:A:PHE:HD2	1:81:A:LYS:HG3	19	0.13
(2,1512)	1:44:A:LEU:HD21	1:50:A:LEU:HD11	14	0.13
(2,1512)	1:44:A:LEU:HD21	1:50:A:LEU:HD12	14	0.13
(2,1512)	1:44:A:LEU:HD21	1:50:A:LEU:HD13	14	0.13
(2,1512)	1:44:A:LEU:HD22	1:50:A:LEU:HD11	14	0.13
(2,1512)	1:44:A:LEU:HD22	1:50:A:LEU:HD12	14	0.13
(2,1512)	1:44:A:LEU:HD22	1:50:A:LEU:HD13	14	0.13
(2,1512)	1:44:A:LEU:HD23	1:50:A:LEU:HD11	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1512)	1:44:A:LEU:HD23	1:50:A:LEU:HD12	14	0.13
(2,1512)	1:44:A:LEU:HD23	1:50:A:LEU:HD13	14	0.13
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD11	11	0.13
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD12	11	0.13
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD13	11	0.13
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD11	12	0.13
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD12	12	0.13
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD13	12	0.13
(2,1429)	1:55:A:PRO:HB2	1:15:A:THR:HB	2	0.13
(2,1412)	1:78:A:PHE:HB2	1:113:A:GLY:HA2	16	0.13
(2,1315)	1:51:A:LEU:HD21	1:4:A:THR:HB	1	0.13
(2,1315)	1:51:A:LEU:HD22	1:4:A:THR:HB	1	0.13
(2,1315)	1:51:A:LEU:HD23	1:4:A:THR:HB	1	0.13
(2,1226)	1:38:A:LYS:HG2	1:38:A:LYS:HE3	2	0.13
(2,1225)	1:162:A:LYS:HG3	1:162:A:LYS:HE2	3	0.13
(2,1167)	1:167:A:GLU:HG2	1:167:A:GLU:HA	11	0.13
(2,1167)	1:167:A:GLU:HG2	1:167:A:GLU:HA	18	0.13
(2,1163)	1:162:A:LYS:HD2	1:159:A:LYS:HA	9	0.13
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD21	17	0.13
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD22	17	0.13
(2,1068)	1:109:A:ILE:HG21	1:52:A:LEU:HD23	17	0.13
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD21	17	0.13
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD22	17	0.13
(2,1068)	1:109:A:ILE:HG22	1:52:A:LEU:HD23	17	0.13
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD21	17	0.13
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD22	17	0.13
(2,1068)	1:109:A:ILE:HG23	1:52:A:LEU:HD23	17	0.13
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB1	5	0.13
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB2	5	0.13
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB3	5	0.13
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB1	9	0.13
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB2	9	0.13
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB3	9	0.13
(2,917)	1:4:A:THR:HB	1:49:A:ILE:HG21	4	0.13
(2,917)	1:4:A:THR:HB	1:49:A:ILE:HG22	4	0.13
(2,917)	1:4:A:THR:HB	1:49:A:ILE:HG23	4	0.13
(2,877)	1:162:A:LYS:HA	1:161:A:VAL:HG11	13	0.13
(2,877)	1:162:A:LYS:HA	1:161:A:VAL:HG12	13	0.13
(2,877)	1:162:A:LYS:HA	1:161:A:VAL:HG13	13	0.13
(2,850)	1:171:A:ASP:HA	1:174:A:LEU:HD21	20	0.13
(2,850)	1:171:A:ASP:HA	1:174:A:LEU:HD22	20	0.13
(2,850)	1:171:A:ASP:HA	1:174:A:LEU:HD23	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD21	1	0.13
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD22	1	0.13
(2,844)	1:4:A:THR:HB	1:51:A:LEU:HD23	1	0.13
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD11	15	0.13
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD12	15	0.13
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD13	15	0.13
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD11	3	0.13
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD12	3	0.13
(2,818)	1:41:A:LYS:HA	1:44:A:LEU:HD13	3	0.13
(2,782)	1:159:A:LYS:HA	1:159:A:LYS:HD2	3	0.13
(2,782)	1:159:A:LYS:HA	1:159:A:LYS:HD2	5	0.13
(2,782)	1:159:A:LYS:HA	1:159:A:LYS:HD2	6	0.13
(2,782)	1:159:A:LYS:HA	1:159:A:LYS:HD2	10	0.13
(2,782)	1:159:A:LYS:HA	1:159:A:LYS:HD2	19	0.13
(2,731)	1:170:A:LEU:HA	1:173:A:ILE:HB	2	0.13
(2,724)	1:65:A:ASP:HA	1:68:A:ASP:HB2	2	0.13
(2,724)	1:65:A:ASP:HA	1:68:A:ASP:HB3	2	0.13
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD11	7	0.13
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD12	7	0.13
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD13	7	0.13
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD11	7	0.13
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD12	7	0.13
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD13	7	0.13
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD11	5	0.13
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD12	5	0.13
(2,482)	1:160:A:TRP:HZ3	1:51:A:LEU:HD13	5	0.13
(2,472)	1:173:A:ILE:H	1:173:A:ILE:HG12	16	0.13
(2,458)	1:166:A:GLU:H	1:166:A:GLU:HB3	11	0.13
(2,458)	1:166:A:GLU:H	1:166:A:GLU:HB3	16	0.13
(2,458)	1:166:A:GLU:H	1:166:A:GLU:HB3	19	0.13
(2,458)	1:166:A:GLU:H	1:166:A:GLU:HB3	20	0.13
(2,439)	1:163:A:GLN:H	1:162:A:LYS:HB2	11	0.13
(2,439)	1:163:A:GLN:H	1:162:A:LYS:HB2	13	0.13
(2,417)	1:158:A:GLU:H	1:158:A:GLU:HG2	5	0.13
(2,403)	1:79:A:ASN:H	1:79:A:ASN:HB3	3	0.13
(2,403)	1:79:A:ASN:H	1:79:A:ASN:HB3	17	0.13
(2,377)	1:47:A:TYR:H	1:47:A:TYR:HB3	6	0.13
(2,377)	1:47:A:TYR:H	1:47:A:TYR:HB3	18	0.13
(2,361)	1:26:A:LEU:H	1:26:A:LEU:HB3	6	0.13
(2,361)	1:26:A:LEU:H	1:26:A:LEU:HB3	9	0.13
(2,335)	1:27:A:GLY:H	1:24:A:LYS:HA	17	0.13
(2,199)	1:174:A:LEU:H	1:173:A:ILE:HA	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,199)	1:174:A:LEU:H	1:173:A:ILE:HA	9	0.13
(2,197)	1:41:A:LYS:H	1:40:A:SER:HB2	9	0.13
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD1	3	0.13
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD2	3	0.13
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD1	13	0.13
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD2	13	0.13
(2,96)	1:159:A:LYS:HB2	1:120:A:TRP:HZ2	11	0.13
(2,96)	1:159:A:LYS:HB2	1:120:A:TRP:HZ2	16	0.13
(2,85)	1:159:A:LYS:HA	1:120:A:TRP:HH2	1	0.13
(2,84)	1:159:A:LYS:HG3	1:120:A:TRP:HH2	20	0.13
(2,43)	1:59:A:TYR:H	2:201:A:FMN:H6	3	0.13
(3,694)	1:156:A:ARG:HB2	1:120:A:TRP:HE1	2	0.12
(3,522)	1:108:A:ILE:HG12	1:105:A:ILE:H	15	0.12
(3,522)	1:108:A:ILE:HG12	1:105:A:ILE:H	20	0.12
(3,174)	1:55:A:PRO:HB2	1:87:A:GLY:HA3	9	0.12
(3,145)	1:102:A:LEU:HD11	1:54:A:ILE:HB	16	0.12
(3,145)	1:102:A:LEU:HD12	1:54:A:ILE:HB	16	0.12
(3,145)	1:102:A:LEU:HD13	1:54:A:ILE:HB	16	0.12
(2,5334)	1:172:A:GLU:HB2	1:174:A:LEU:H	7	0.12
(2,5324)	1:166:A:GLU:HB2	1:171:A:ASP:H	10	0.12
(2,5318)	1:168:A:LEU:HD21	1:170:A:LEU:H	3	0.12
(2,5318)	1:168:A:LEU:HD22	1:170:A:LEU:H	3	0.12
(2,5318)	1:168:A:LEU:HD23	1:170:A:LEU:H	3	0.12
(2,5309)	1:169:A:HIS:HB2	1:169:A:HIS:H	1	0.12
(2,5300)	1:82:A:LEU:HD21	1:168:A:LEU:H	3	0.12
(2,5300)	1:82:A:LEU:HD22	1:168:A:LEU:H	3	0.12
(2,5300)	1:82:A:LEU:HD23	1:168:A:LEU:H	3	0.12
(2,5298)	1:167:A:GLU:HB3	1:168:A:LEU:H	13	0.12
(2,5298)	1:167:A:GLU:HB3	1:168:A:LEU:H	17	0.12
(2,5290)	1:168:A:LEU:HD21	1:167:A:GLU:H	2	0.12
(2,5290)	1:168:A:LEU:HD22	1:167:A:GLU:H	2	0.12
(2,5290)	1:168:A:LEU:HD23	1:167:A:GLU:H	2	0.12
(2,5289)	1:167:A:GLU:HB3	1:167:A:GLU:H	6	0.12
(2,5289)	1:167:A:GLU:HB3	1:167:A:GLU:H	14	0.12
(2,5289)	1:167:A:GLU:HB3	1:167:A:GLU:H	15	0.12
(2,5289)	1:167:A:GLU:HB3	1:167:A:GLU:H	20	0.12
(2,5283)	1:167:A:GLU:HG3	1:166:A:GLU:H	19	0.12
(2,5282)	1:165:A:SER:HA	1:166:A:GLU:H	2	0.12
(2,5282)	1:165:A:SER:HA	1:166:A:GLU:H	3	0.12
(2,5282)	1:165:A:SER:HA	1:166:A:GLU:H	7	0.12
(2,5275)	1:165:A:SER:HB2	1:165:A:SER:H	3	0.12
(2,5242)	1:159:A:LYS:HG3	1:160:A:TRP:H	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5242)	1:159:A:LYS:HG3	1:160:A:TRP:H	5	0.12
(2,5239)	1:159:A:LYS:HA	1:160:A:TRP:H	1	0.12
(2,5239)	1:159:A:LYS:HA	1:160:A:TRP:H	14	0.12
(2,5238)	1:25:A:GLN:HE22	1:160:A:TRP:H	2	0.12
(2,5237)	1:120:A:TRP:HH2	1:160:A:TRP:H	10	0.12
(2,5190)	1:156:A:ARG:HB3	1:153:A:THR:H	11	0.12
(2,5190)	1:156:A:ARG:HB2	1:153:A:THR:H	11	0.12
(2,5173)	1:148:A:ARG:HB2	1:149:A:GLN:H	9	0.12
(2,5166)	1:149:A:GLN:HG3	1:148:A:ARG:H	6	0.12
(2,5166)	1:149:A:GLN:HG3	1:148:A:ARG:H	15	0.12
(2,5143)	1:144:A:ILE:HG12	1:144:A:ILE:H	16	0.12
(2,4986)	1:113:A:GLY:HA3	1:113:A:GLY:H	6	0.12
(2,4986)	1:113:A:GLY:HA3	1:113:A:GLY:H	19	0.12
(2,4974)	1:74:A:GLU:H	1:112:A:ARG:HE	3	0.12
(2,4966)	1:116:A:ILE:HD11	1:109:A:ILE:H	5	0.12
(2,4966)	1:116:A:ILE:HD12	1:109:A:ILE:H	5	0.12
(2,4966)	1:116:A:ILE:HD13	1:109:A:ILE:H	5	0.12
(2,4966)	1:116:A:ILE:HD11	1:109:A:ILE:H	10	0.12
(2,4966)	1:116:A:ILE:HD12	1:109:A:ILE:H	10	0.12
(2,4966)	1:116:A:ILE:HD13	1:109:A:ILE:H	10	0.12
(2,4921)	1:102:A:LEU:HD11	1:102:A:LEU:H	13	0.12
(2,4921)	1:102:A:LEU:HD12	1:102:A:LEU:H	13	0.12
(2,4921)	1:102:A:LEU:HD13	1:102:A:LEU:H	13	0.12
(2,4921)	1:102:A:LEU:HD11	1:102:A:LEU:H	16	0.12
(2,4921)	1:102:A:LEU:HD12	1:102:A:LEU:H	16	0.12
(2,4921)	1:102:A:LEU:HD13	1:102:A:LEU:H	16	0.12
(2,4921)	1:102:A:LEU:HD11	1:102:A:LEU:H	20	0.12
(2,4921)	1:102:A:LEU:HD12	1:102:A:LEU:H	20	0.12
(2,4921)	1:102:A:LEU:HD13	1:102:A:LEU:H	20	0.12
(2,4692)	1:61:A:GLU:HG3	1:59:A:TYR:H	4	0.12
(2,4692)	1:61:A:GLU:HG3	1:59:A:TYR:H	17	0.12
(2,4674)	1:102:A:LEU:HD11	1:54:A:ILE:H	14	0.12
(2,4674)	1:102:A:LEU:HD12	1:54:A:ILE:H	14	0.12
(2,4674)	1:102:A:LEU:HD13	1:54:A:ILE:H	14	0.12
(2,4660)	1:83:A:VAL:HG11	1:52:A:LEU:H	4	0.12
(2,4660)	1:83:A:VAL:HG12	1:52:A:LEU:H	4	0.12
(2,4660)	1:83:A:VAL:HG13	1:52:A:LEU:H	4	0.12
(2,4660)	1:83:A:VAL:HG11	1:52:A:LEU:H	8	0.12
(2,4660)	1:83:A:VAL:HG12	1:52:A:LEU:H	8	0.12
(2,4660)	1:83:A:VAL:HG13	1:52:A:LEU:H	8	0.12
(2,4657)	1:50:A:LEU:HD11	1:51:A:LEU:H	17	0.12
(2,4657)	1:50:A:LEU:HD12	1:51:A:LEU:H	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4657)	1:50:A:LEU:HD13	1:51:A:LEU:H	17	0.12
(2,4622)	1:48:A:ASP:H	1:47:A:TYR:H	20	0.12
(2,4620)	1:44:A:LEU:HD11	1:46:A:ALA:H	6	0.12
(2,4620)	1:44:A:LEU:HD12	1:46:A:ALA:H	6	0.12
(2,4620)	1:44:A:LEU:HD13	1:46:A:ALA:H	6	0.12
(2,4555)	1:65:A:ASP:HB2	1:37:A:ALA:H	16	0.12
(2,4507)	1:28:A:LYS:HB2	1:30:A:VAL:H	11	0.12
(2,4463)	1:21:A:MET:HA	1:23:A:GLN:H	11	0.12
(2,4427)	1:18:A:ILE:HD11	1:17:A:ASN:HD21	12	0.12
(2,4427)	1:18:A:ILE:HD12	1:17:A:ASN:HD21	12	0.12
(2,4427)	1:18:A:ILE:HD13	1:17:A:ASN:HD21	12	0.12
(2,4365)	1:32:A:ASP:HB2	1:6:A:ILE:H	2	0.12
(2,4145)	1:129:A:ALA:HB1	1:130:A:SER:H	15	0.12
(2,4145)	1:129:A:ALA:HB2	1:130:A:SER:H	15	0.12
(2,4145)	1:129:A:ALA:HB3	1:130:A:SER:H	15	0.12
(2,4145)	1:129:A:ALA:HB1	1:130:A:SER:H	19	0.12
(2,4145)	1:129:A:ALA:HB2	1:130:A:SER:H	19	0.12
(2,4145)	1:129:A:ALA:HB3	1:130:A:SER:H	19	0.12
(2,4133)	1:109:A:ILE:HB	1:109:A:ILE:H	19	0.12
(2,4101)	1:41:A:LYS:HG2	1:45:A:GLU:H	13	0.12
(2,4079)	1:85:A:LEU:HD11	1:86:A:PHE:H	16	0.12
(2,4079)	1:85:A:LEU:HD12	1:86:A:PHE:H	16	0.12
(2,4079)	1:85:A:LEU:HD13	1:86:A:PHE:H	16	0.12
(2,4021)	1:96:A:GLU:HG2	1:96:A:GLU:H	6	0.12
(2,4007)	1:20:A:LYS:HD2	1:20:A:LYS:H	16	0.12
(2,3882)	1:26:A:LEU:HD21	1:26:A:LEU:H	13	0.12
(2,3882)	1:26:A:LEU:HD22	1:26:A:LEU:H	13	0.12
(2,3882)	1:26:A:LEU:HD23	1:26:A:LEU:H	13	0.12
(2,3879)	1:26:A:LEU:HA	1:26:A:LEU:H	6	0.12
(2,3874)	1:171:A:ASP:HA	1:172:A:GLU:H	2	0.12
(2,3874)	1:171:A:ASP:HA	1:172:A:GLU:H	6	0.12
(2,3839)	1:165:A:SER:HB3	1:165:A:SER:H	1	0.12
(2,3839)	1:165:A:SER:HB3	1:165:A:SER:H	2	0.12
(2,3839)	1:165:A:SER:HB3	1:165:A:SER:H	13	0.12
(2,3839)	1:165:A:SER:HB3	1:165:A:SER:H	17	0.12
(2,3835)	1:155:A:GLU:HG3	1:155:A:GLU:H	12	0.12
(2,3794)	1:152:A:LEU:HB3	1:156:A:ARG:H	4	0.12
(2,3788)	1:164:A:ILE:HA	1:167:A:GLU:H	11	0.12
(2,3788)	1:164:A:ILE:HA	1:167:A:GLU:H	14	0.12
(2,3788)	1:164:A:ILE:HA	1:167:A:GLU:H	16	0.12
(2,3770)	1:173:A:ILE:HA	1:174:A:LEU:H	1	0.12
(2,3770)	1:173:A:ILE:HA	1:174:A:LEU:H	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3770)	1:173:A:ILE:HA	1:174:A:LEU:H	4	0.12
(2,3770)	1:173:A:ILE:HA	1:174:A:LEU:H	6	0.12
(2,3770)	1:173:A:ILE:HA	1:174:A:LEU:H	8	0.12
(2,3770)	1:173:A:ILE:HA	1:174:A:LEU:H	11	0.12
(2,3770)	1:173:A:ILE:HA	1:174:A:LEU:H	12	0.12
(2,3770)	1:173:A:ILE:HA	1:174:A:LEU:H	13	0.12
(2,3770)	1:173:A:ILE:HA	1:174:A:LEU:H	15	0.12
(2,3770)	1:173:A:ILE:HA	1:174:A:LEU:H	16	0.12
(2,3770)	1:173:A:ILE:HA	1:174:A:LEU:H	17	0.12
(2,3770)	1:173:A:ILE:HA	1:174:A:LEU:H	18	0.12
(2,3770)	1:173:A:ILE:HA	1:174:A:LEU:H	19	0.12
(2,3770)	1:173:A:ILE:HA	1:174:A:LEU:H	20	0.12
(2,3757)	1:162:A:LYS:HB2	1:163:A:GLN:H	20	0.12
(2,3756)	1:163:A:GLN:HG3	1:163:A:GLN:H	17	0.12
(2,3733)	1:166:A:GLU:HA	1:166:A:GLU:H	2	0.12
(2,3733)	1:166:A:GLU:HA	1:166:A:GLU:H	11	0.12
(2,3733)	1:166:A:GLU:HA	1:166:A:GLU:H	19	0.12
(2,3726)	1:70:A:PHE:HB3	1:70:A:PHE:H	2	0.12
(2,3726)	1:70:A:PHE:HB3	1:70:A:PHE:H	12	0.12
(2,3726)	1:70:A:PHE:HB3	1:70:A:PHE:H	16	0.12
(2,3726)	1:70:A:PHE:HB3	1:70:A:PHE:H	18	0.12
(2,3721)	1:41:A:LYS:HB2	1:41:A:LYS:H	1	0.12
(2,3712)	1:82:A:LEU:HD21	1:117:A:VAL:H	4	0.12
(2,3712)	1:82:A:LEU:HD22	1:117:A:VAL:H	4	0.12
(2,3712)	1:82:A:LEU:HD23	1:117:A:VAL:H	4	0.12
(2,3712)	1:82:A:LEU:HD21	1:117:A:VAL:H	14	0.12
(2,3712)	1:82:A:LEU:HD22	1:117:A:VAL:H	14	0.12
(2,3712)	1:82:A:LEU:HD23	1:117:A:VAL:H	14	0.12
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	5	0.12
(2,3701)	1:76:A:ILE:HG12	1:76:A:ILE:H	5	0.12
(2,3661)	1:91:A:GLN:HG3	1:91:A:GLN:H	14	0.12
(2,3607)	1:77:A:ASP:HB2	1:77:A:ASP:H	18	0.12
(2,3607)	1:77:A:ASP:HB2	1:77:A:ASP:H	20	0.12
(2,3598)	1:82:A:LEU:HB3	1:82:A:LEU:H	9	0.12
(2,3598)	1:82:A:LEU:HB3	1:82:A:LEU:H	12	0.12
(2,3598)	1:82:A:LEU:HB3	1:82:A:LEU:H	14	0.12
(2,3598)	1:82:A:LEU:HB3	1:82:A:LEU:H	17	0.12
(2,3581)	1:51:A:LEU:HD11	1:84:A:ALA:H	7	0.12
(2,3581)	1:51:A:LEU:HD12	1:84:A:ALA:H	7	0.12
(2,3581)	1:51:A:LEU:HD13	1:84:A:ALA:H	7	0.12
(2,3486)	1:170:A:LEU:H	1:168:A:LEU:HD21	3	0.12
(2,3486)	1:170:A:LEU:H	1:168:A:LEU:HD22	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3486)	1:170:A:LEU:H	1:168:A:LEU:HD23	3	0.12
(2,3425)	1:131:A:LYS:HB3	1:131:A:LYS:HE2	9	0.12
(2,3116)	1:130:A:SER:HA	1:129:A:ALA:HA	4	0.12
(2,3116)	1:130:A:SER:HA	1:129:A:ALA:HA	13	0.12
(2,3059)	1:120:A:TRP:H	1:121:A:PRO:HD3	12	0.12
(2,3039)	1:121:A:PRO:HB3	1:120:A:TRP:HA	12	0.12
(2,3038)	1:121:A:PRO:HG2	1:120:A:TRP:HA	17	0.12
(2,2968)	1:79:A:ASN:H	1:113:A:GLY:HA3	14	0.12
(2,2968)	1:79:A:ASN:H	1:113:A:GLY:HA3	16	0.12
(2,2940)	1:112:A:ARG:HD2	1:111:A:PRO:HB3	11	0.12
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG3	14	0.12
(2,2933)	1:116:A:ILE:HG12	1:110:A:GLU:HG2	14	0.12
(2,2921)	1:110:A:GLU:HG2	1:110:A:GLU:HA	12	0.12
(2,2905)	1:52:A:LEU:HB3	1:109:A:ILE:HD11	13	0.12
(2,2905)	1:52:A:LEU:HB3	1:109:A:ILE:HD12	13	0.12
(2,2905)	1:52:A:LEU:HB3	1:109:A:ILE:HD13	13	0.12
(2,2905)	1:52:A:LEU:HB3	1:109:A:ILE:HD11	16	0.12
(2,2905)	1:52:A:LEU:HB3	1:109:A:ILE:HD12	16	0.12
(2,2905)	1:52:A:LEU:HB3	1:109:A:ILE:HD13	16	0.12
(2,2905)	1:52:A:LEU:HB3	1:109:A:ILE:HD11	20	0.12
(2,2905)	1:52:A:LEU:HB3	1:109:A:ILE:HD12	20	0.12
(2,2905)	1:52:A:LEU:HB3	1:109:A:ILE:HD13	20	0.12
(2,2708)	1:128:A:GLU:HB2	1:96:A:GLU:HG3	8	0.12
(2,2708)	1:128:A:GLU:HB2	1:96:A:GLU:HG2	8	0.12
(2,2620)	1:102:A:LEU:HD11	1:86:A:PHE:HA	11	0.12
(2,2620)	1:102:A:LEU:HD12	1:86:A:PHE:HA	11	0.12
(2,2620)	1:102:A:LEU:HD13	1:86:A:PHE:HA	11	0.12
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB1	12	0.12
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB2	12	0.12
(2,2601)	1:117:A:VAL:HG11	1:84:A:ALA:HB3	12	0.12
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB1	12	0.12
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB2	12	0.12
(2,2601)	1:117:A:VAL:HG12	1:84:A:ALA:HB3	12	0.12
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB1	12	0.12
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB2	12	0.12
(2,2601)	1:117:A:VAL:HG13	1:84:A:ALA:HB3	12	0.12
(2,2587)	1:83:A:VAL:HG21	1:84:A:ALA:HA	4	0.12
(2,2587)	1:83:A:VAL:HG22	1:84:A:ALA:HA	4	0.12
(2,2587)	1:83:A:VAL:HG23	1:84:A:ALA:HA	4	0.12
(2,2501)	1:162:A:LYS:HE2	1:158:A:GLU:HA	16	0.12
(2,2501)	1:162:A:LYS:HE2	1:158:A:GLU:HA	19	0.12
(2,2454)	1:174:A:LEU:H	1:172:A:GLU:HB2	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD21	5	0.12
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD22	5	0.12
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD23	5	0.12
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD21	5	0.12
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD22	5	0.12
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD23	5	0.12
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD21	5	0.12
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD22	5	0.12
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD23	5	0.12
(2,2431)	1:52:A:LEU:HD11	1:73:A:LEU:HB2	13	0.12
(2,2431)	1:52:A:LEU:HD12	1:73:A:LEU:HB2	13	0.12
(2,2431)	1:52:A:LEU:HD13	1:73:A:LEU:HB2	13	0.12
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD21	10	0.12
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD22	10	0.12
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD23	10	0.12
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD21	20	0.12
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD22	20	0.12
(2,2416)	1:168:A:LEU:H	1:170:A:LEU:HD23	20	0.12
(2,2402)	1:68:A:ASP:HA	1:71:A:PRO:HD3	2	0.12
(2,2338)	1:158:A:GLU:HG3	1:158:A:GLU:HA	14	0.12
(2,2338)	1:158:A:GLU:HG3	1:158:A:GLU:HA	19	0.12
(2,2332)	1:156:A:ARG:HD2	1:156:A:ARG:HA	15	0.12
(2,2297)	1:58:A:TYR:HB3	1:61:A:GLU:HG3	3	0.12
(2,2297)	1:58:A:TYR:HB3	1:61:A:GLU:HG2	3	0.12
(2,2203)	1:4:A:THR:HG21	1:51:A:LEU:HD21	16	0.12
(2,2203)	1:4:A:THR:HG21	1:51:A:LEU:HD22	16	0.12
(2,2203)	1:4:A:THR:HG21	1:51:A:LEU:HD23	16	0.12
(2,2203)	1:4:A:THR:HG22	1:51:A:LEU:HD21	16	0.12
(2,2203)	1:4:A:THR:HG22	1:51:A:LEU:HD22	16	0.12
(2,2203)	1:4:A:THR:HG22	1:51:A:LEU:HD23	16	0.12
(2,2203)	1:4:A:THR:HG23	1:51:A:LEU:HD21	16	0.12
(2,2203)	1:4:A:THR:HG23	1:51:A:LEU:HD22	16	0.12
(2,2203)	1:4:A:THR:HG23	1:51:A:LEU:HD23	16	0.12
(2,2201)	1:84:A:ALA:HB1	1:51:A:LEU:HD21	12	0.12
(2,2201)	1:84:A:ALA:HB1	1:51:A:LEU:HD22	12	0.12
(2,2201)	1:84:A:ALA:HB1	1:51:A:LEU:HD23	12	0.12
(2,2201)	1:84:A:ALA:HB2	1:51:A:LEU:HD21	12	0.12
(2,2201)	1:84:A:ALA:HB2	1:51:A:LEU:HD22	12	0.12
(2,2201)	1:84:A:ALA:HB2	1:51:A:LEU:HD23	12	0.12
(2,2201)	1:84:A:ALA:HB3	1:51:A:LEU:HD21	12	0.12
(2,2201)	1:84:A:ALA:HB3	1:51:A:LEU:HD22	12	0.12
(2,2201)	1:84:A:ALA:HB3	1:51:A:LEU:HD23	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2182)	1:6:A:ILE:HG12	1:51:A:LEU:HG	7	0.12
(2,2175)	1:168:A:LEU:HD11	1:82:A:LEU:HB3	13	0.12
(2,2175)	1:168:A:LEU:HD12	1:82:A:LEU:HB3	13	0.12
(2,2175)	1:168:A:LEU:HD13	1:82:A:LEU:HB3	13	0.12
(2,2172)	1:84:A:ALA:HB1	1:51:A:LEU:HB2	4	0.12
(2,2172)	1:84:A:ALA:HB2	1:51:A:LEU:HB2	4	0.12
(2,2172)	1:84:A:ALA:HB3	1:51:A:LEU:HB2	4	0.12
(2,2167)	1:50:A:LEU:HA	1:51:A:LEU:HB3	1	0.12
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG21	15	0.12
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG22	15	0.12
(2,2105)	1:84:A:ALA:HB1	1:49:A:ILE:HG23	15	0.12
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG21	15	0.12
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG22	15	0.12
(2,2105)	1:84:A:ALA:HB2	1:49:A:ILE:HG23	15	0.12
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG21	15	0.12
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG22	15	0.12
(2,2105)	1:84:A:ALA:HB3	1:49:A:ILE:HG23	15	0.12
(2,1953)	1:72:A:THR:HG21	1:41:A:LYS:HD2	7	0.12
(2,1953)	1:72:A:THR:HG22	1:41:A:LYS:HD2	7	0.12
(2,1953)	1:72:A:THR:HG23	1:41:A:LYS:HD2	7	0.12
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG11	1	0.12
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG12	1	0.12
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG13	1	0.12
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG11	12	0.12
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG12	12	0.12
(2,1803)	1:20:A:LYS:HE3	1:33:A:VAL:HG13	12	0.12
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG11	18	0.12
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG12	18	0.12
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG13	18	0.12
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD11	2	0.12
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD12	2	0.12
(2,1700)	1:170:A:LEU:HD11	1:26:A:LEU:HD13	2	0.12
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD11	2	0.12
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD12	2	0.12
(2,1700)	1:170:A:LEU:HD12	1:26:A:LEU:HD13	2	0.12
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD11	2	0.12
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD12	2	0.12
(2,1700)	1:170:A:LEU:HD13	1:26:A:LEU:HD13	2	0.12
(2,1697)	1:25:A:GLN:HB2	1:26:A:LEU:HD11	17	0.12
(2,1697)	1:25:A:GLN:HB2	1:26:A:LEU:HD12	17	0.12
(2,1697)	1:25:A:GLN:HB2	1:26:A:LEU:HD13	17	0.12
(2,1697)	1:25:A:GLN:HB3	1:26:A:LEU:HD11	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1697)	1:25:A:GLN:HB3	1:26:A:LEU:HD12	17	0.12
(2,1697)	1:25:A:GLN:HB3	1:26:A:LEU:HD13	17	0.12
(2,1662)	1:66:A:TRP:HE3	1:69:A:PHE:HB2	8	0.12
(2,1659)	1:34:A:HIS:HB2	1:38:A:LYS:HE3	2	0.12
(2,1519)	1:7:A:PHE:HD1	1:50:A:LEU:HD11	4	0.12
(2,1519)	1:7:A:PHE:HD1	1:50:A:LEU:HD12	4	0.12
(2,1519)	1:7:A:PHE:HD1	1:50:A:LEU:HD13	4	0.12
(2,1519)	1:7:A:PHE:HD2	1:50:A:LEU:HD11	4	0.12
(2,1519)	1:7:A:PHE:HD2	1:50:A:LEU:HD12	4	0.12
(2,1519)	1:7:A:PHE:HD2	1:50:A:LEU:HD13	4	0.12
(2,1519)	1:7:A:PHE:HD1	1:50:A:LEU:HD11	7	0.12
(2,1519)	1:7:A:PHE:HD1	1:50:A:LEU:HD12	7	0.12
(2,1519)	1:7:A:PHE:HD1	1:50:A:LEU:HD13	7	0.12
(2,1519)	1:7:A:PHE:HD2	1:50:A:LEU:HD11	7	0.12
(2,1519)	1:7:A:PHE:HD2	1:50:A:LEU:HD12	7	0.12
(2,1519)	1:7:A:PHE:HD2	1:50:A:LEU:HD13	7	0.12
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG21	6	0.12
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG22	6	0.12
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG23	6	0.12
(2,1353)	1:6:A:ILE:HD11	1:23:A:GLN:HB3	10	0.12
(2,1353)	1:6:A:ILE:HD12	1:23:A:GLN:HB3	10	0.12
(2,1353)	1:6:A:ILE:HD13	1:23:A:GLN:HB3	10	0.12
(2,1324)	1:50:A:LEU:HD11	1:83:A:VAL:HG21	2	0.12
(2,1324)	1:50:A:LEU:HD11	1:83:A:VAL:HG22	2	0.12
(2,1324)	1:50:A:LEU:HD11	1:83:A:VAL:HG23	2	0.12
(2,1324)	1:50:A:LEU:HD12	1:83:A:VAL:HG21	2	0.12
(2,1324)	1:50:A:LEU:HD12	1:83:A:VAL:HG22	2	0.12
(2,1324)	1:50:A:LEU:HD12	1:83:A:VAL:HG23	2	0.12
(2,1324)	1:50:A:LEU:HD13	1:83:A:VAL:HG21	2	0.12
(2,1324)	1:50:A:LEU:HD13	1:83:A:VAL:HG22	2	0.12
(2,1324)	1:50:A:LEU:HD13	1:83:A:VAL:HG23	2	0.12
(2,1281)	1:2:A:ALA:HA	1:3:A:ILE:HD11	9	0.12
(2,1281)	1:2:A:ALA:HA	1:3:A:ILE:HD12	9	0.12
(2,1281)	1:2:A:ALA:HA	1:3:A:ILE:HD13	9	0.12
(2,1224)	1:38:A:LYS:HB2	1:38:A:LYS:HE2	6	0.12
(2,1224)	1:38:A:LYS:HB2	1:38:A:LYS:HE2	16	0.12
(2,1167)	1:167:A:GLU:HG2	1:167:A:GLU:HA	12	0.12
(2,1167)	1:167:A:GLU:HG2	1:167:A:GLU:HA	19	0.12
(2,1165)	1:24:A:LYS:HG2	1:21:A:MET:HA	12	0.12
(2,1057)	1:109:A:ILE:HG21	1:73:A:LEU:HD11	14	0.12
(2,1057)	1:109:A:ILE:HG21	1:73:A:LEU:HD12	14	0.12
(2,1057)	1:109:A:ILE:HG21	1:73:A:LEU:HD13	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1057)	1:109:A:ILE:HG22	1:73:A:LEU:HD11	14	0.12
(2,1057)	1:109:A:ILE:HG22	1:73:A:LEU:HD12	14	0.12
(2,1057)	1:109:A:ILE:HG22	1:73:A:LEU:HD13	14	0.12
(2,1057)	1:109:A:ILE:HG23	1:73:A:LEU:HD11	14	0.12
(2,1057)	1:109:A:ILE:HG23	1:73:A:LEU:HD12	14	0.12
(2,1057)	1:109:A:ILE:HG23	1:73:A:LEU:HD13	14	0.12
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG21	15	0.12
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG22	15	0.12
(2,1026)	1:21:A:MET:HG2	1:18:A:ILE:HG23	15	0.12
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB1	15	0.12
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB2	15	0.12
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB3	15	0.12
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB1	16	0.12
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB2	16	0.12
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB3	16	0.12
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB1	19	0.12
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB2	19	0.12
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB3	19	0.12
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD11	5	0.12
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD12	5	0.12
(2,988)	1:161:A:VAL:HG11	1:164:A:ILE:HD13	5	0.12
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD11	5	0.12
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD12	5	0.12
(2,988)	1:161:A:VAL:HG12	1:164:A:ILE:HD13	5	0.12
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD11	5	0.12
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD12	5	0.12
(2,988)	1:161:A:VAL:HG13	1:164:A:ILE:HD13	5	0.12
(2,964)	1:156:A:ARG:HD3	1:142:A:LEU:HD11	20	0.12
(2,964)	1:156:A:ARG:HD3	1:142:A:LEU:HD12	20	0.12
(2,964)	1:156:A:ARG:HD3	1:142:A:LEU:HD13	20	0.12
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD11	12	0.12
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD12	12	0.12
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD13	12	0.12
(2,814)	1:162:A:LYS:HA	1:161:A:VAL:HG21	3	0.12
(2,814)	1:162:A:LYS:HA	1:161:A:VAL:HG22	3	0.12
(2,814)	1:162:A:LYS:HA	1:161:A:VAL:HG23	3	0.12
(2,788)	1:131:A:LYS:HA	1:131:A:LYS:HD2	16	0.12
(2,782)	1:159:A:LYS:HA	1:159:A:LYS:HD2	15	0.12
(2,753)	1:128:A:GLU:HA	1:128:A:GLU:HG2	14	0.12
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD11	6	0.12
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD12	6	0.12
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD13	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD11	18	0.12
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD12	18	0.12
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD13	18	0.12
(2,588)	1:130:A:SER:H	1:129:A:ALA:HB1	15	0.12
(2,588)	1:130:A:SER:H	1:129:A:ALA:HB2	15	0.12
(2,588)	1:130:A:SER:H	1:129:A:ALA:HB3	15	0.12
(2,588)	1:130:A:SER:H	1:129:A:ALA:HB1	19	0.12
(2,588)	1:130:A:SER:H	1:129:A:ALA:HB2	19	0.12
(2,588)	1:130:A:SER:H	1:129:A:ALA:HB3	19	0.12
(2,570)	1:139:A:PHE:HE1	1:133:A:LEU:HD11	8	0.12
(2,570)	1:139:A:PHE:HE1	1:133:A:LEU:HD12	8	0.12
(2,570)	1:139:A:PHE:HE1	1:133:A:LEU:HD13	8	0.12
(2,570)	1:139:A:PHE:HE2	1:133:A:LEU:HD11	8	0.12
(2,570)	1:139:A:PHE:HE2	1:133:A:LEU:HD12	8	0.12
(2,570)	1:139:A:PHE:HE2	1:133:A:LEU:HD13	8	0.12
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD11	4	0.12
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD12	4	0.12
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD13	4	0.12
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG21	8	0.12
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG22	8	0.12
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG23	8	0.12
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD21	6	0.12
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD22	6	0.12
(2,510)	1:69:A:PHE:HD1	1:73:A:LEU:HD23	6	0.12
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD21	6	0.12
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD22	6	0.12
(2,510)	1:69:A:PHE:HD2	1:73:A:LEU:HD23	6	0.12
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD11	1	0.12
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD12	1	0.12
(2,499)	1:70:A:PHE:HE1	1:73:A:LEU:HD13	1	0.12
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD11	1	0.12
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD12	1	0.12
(2,499)	1:70:A:PHE:HE2	1:73:A:LEU:HD13	1	0.12
(2,458)	1:166:A:GLU:H	1:166:A:GLU:HB3	5	0.12
(2,458)	1:166:A:GLU:H	1:166:A:GLU:HB3	15	0.12
(2,458)	1:166:A:GLU:H	1:166:A:GLU:HB3	18	0.12
(2,453)	1:158:A:GLU:H	1:155:A:GLU:HB2	14	0.12
(2,439)	1:163:A:GLN:H	1:162:A:LYS:HB2	20	0.12
(2,422)	1:165:A:SER:H	1:166:A:GLU:HG2	1	0.12
(2,403)	1:79:A:ASN:H	1:79:A:ASN:HB3	4	0.12
(2,403)	1:79:A:ASN:H	1:79:A:ASN:HB3	7	0.12
(2,403)	1:79:A:ASN:H	1:79:A:ASN:HB3	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,403)	1:79:A:ASN:H	1:79:A:ASN:HB3	16	0.12
(2,377)	1:47:A:TYR:H	1:47:A:TYR:HB3	10	0.12
(2,377)	1:47:A:TYR:H	1:47:A:TYR:HB3	17	0.12
(2,377)	1:47:A:TYR:H	1:47:A:TYR:HB3	19	0.12
(2,335)	1:27:A:GLY:H	1:24:A:LYS:HA	1	0.12
(2,335)	1:27:A:GLY:H	1:24:A:LYS:HA	13	0.12
(2,258)	1:172:A:GLU:H	1:171:A:ASP:HA	2	0.12
(2,258)	1:172:A:GLU:H	1:171:A:ASP:HA	6	0.12
(2,199)	1:174:A:LEU:H	1:173:A:ILE:HA	1	0.12
(2,199)	1:174:A:LEU:H	1:173:A:ILE:HA	2	0.12
(2,199)	1:174:A:LEU:H	1:173:A:ILE:HA	4	0.12
(2,199)	1:174:A:LEU:H	1:173:A:ILE:HA	6	0.12
(2,199)	1:174:A:LEU:H	1:173:A:ILE:HA	8	0.12
(2,199)	1:174:A:LEU:H	1:173:A:ILE:HA	11	0.12
(2,199)	1:174:A:LEU:H	1:173:A:ILE:HA	12	0.12
(2,199)	1:174:A:LEU:H	1:173:A:ILE:HA	13	0.12
(2,199)	1:174:A:LEU:H	1:173:A:ILE:HA	15	0.12
(2,199)	1:174:A:LEU:H	1:173:A:ILE:HA	16	0.12
(2,199)	1:174:A:LEU:H	1:173:A:ILE:HA	17	0.12
(2,199)	1:174:A:LEU:H	1:173:A:ILE:HA	18	0.12
(2,199)	1:174:A:LEU:H	1:173:A:ILE:HA	19	0.12
(2,199)	1:174:A:LEU:H	1:173:A:ILE:HA	20	0.12
(2,197)	1:41:A:LYS:H	1:40:A:SER:HB2	5	0.12
(2,197)	1:41:A:LYS:H	1:40:A:SER:HB2	17	0.12
(2,128)	1:169:A:HIS:H	1:169:A:HIS:HD2	2	0.12
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD1	16	0.12
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD2	16	0.12
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD1	18	0.12
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD2	18	0.12
(2,84)	1:159:A:LYS:HG3	1:120:A:TRP:HH2	3	0.12
(2,43)	1:59:A:TYR:H	2:201:A:FMN:H6	8	0.12
(3,694)	1:156:A:ARG:HB2	1:120:A:TRP:HE1	4	0.11
(3,675)	1:172:A:GLU:HG2	1:174:A:LEU:H	18	0.11
(3,564)	1:133:A:LEU:HD11	1:122:A:THR:H	4	0.11
(3,564)	1:133:A:LEU:HD12	1:122:A:THR:H	4	0.11
(3,564)	1:133:A:LEU:HD13	1:122:A:THR:H	4	0.11
(3,519)	1:140:A:VAL:HG21	1:104:A:THR:H	13	0.11
(3,519)	1:140:A:VAL:HG22	1:104:A:THR:H	13	0.11
(3,519)	1:140:A:VAL:HG23	1:104:A:THR:H	13	0.11
(3,478)	1:113:A:GLY:HA2	1:79:A:ASN:HD21	8	0.11
(3,276)	1:157:A:VAL:H	1:152:A:LEU:HB2	11	0.11
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD11	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD12	1	0.11
(3,252)	1:124:A:GLY:HA2	1:133:A:LEU:HD13	1	0.11
(3,205)	1:110:A:GLU:HG3	1:106:A:ARG:HD3	1	0.11
(3,193)	1:54:A:ILE:HD11	1:102:A:LEU:HB3	12	0.11
(3,193)	1:54:A:ILE:HD12	1:102:A:LEU:HB3	12	0.11
(3,193)	1:54:A:ILE:HD13	1:102:A:LEU:HB3	12	0.11
(3,157)	1:78:A:PHE:HD1	1:73:A:LEU:HB3	5	0.11
(3,157)	1:78:A:PHE:HD2	1:73:A:LEU:HB3	5	0.11
(2,5384)	1:171:A:ASP:HA	1:173:A:ILE:H	16	0.11
(2,5349)	1:174:A:LEU:HG	1:175:A:ASN:HD21	8	0.11
(2,5347)	1:171:A:ASP:HA	1:175:A:ASN:HD21	15	0.11
(2,5334)	1:172:A:GLU:HB2	1:174:A:LEU:H	11	0.11
(2,5318)	1:168:A:LEU:HD21	1:170:A:LEU:H	11	0.11
(2,5318)	1:168:A:LEU:HD22	1:170:A:LEU:H	11	0.11
(2,5318)	1:168:A:LEU:HD23	1:170:A:LEU:H	11	0.11
(2,5309)	1:169:A:HIS:HB2	1:169:A:HIS:H	16	0.11
(2,5301)	1:164:A:ILE:HD11	1:168:A:LEU:H	1	0.11
(2,5301)	1:164:A:ILE:HD12	1:168:A:LEU:H	1	0.11
(2,5301)	1:164:A:ILE:HD13	1:168:A:LEU:H	1	0.11
(2,5298)	1:167:A:GLU:HB3	1:168:A:LEU:H	1	0.11
(2,5298)	1:167:A:GLU:HB3	1:168:A:LEU:H	5	0.11
(2,5289)	1:167:A:GLU:HB3	1:167:A:GLU:H	4	0.11
(2,5282)	1:165:A:SER:HA	1:166:A:GLU:H	11	0.11
(2,5260)	1:163:A:GLN:HB3	1:163:A:GLN:H	16	0.11
(2,5242)	1:159:A:LYS:HG3	1:160:A:TRP:H	20	0.11
(2,5239)	1:159:A:LYS:HA	1:160:A:TRP:H	8	0.11
(2,5239)	1:159:A:LYS:HA	1:160:A:TRP:H	9	0.11
(2,5239)	1:159:A:LYS:HA	1:160:A:TRP:H	16	0.11
(2,5239)	1:159:A:LYS:HA	1:160:A:TRP:H	17	0.11
(2,5239)	1:159:A:LYS:HA	1:160:A:TRP:H	19	0.11
(2,5239)	1:159:A:LYS:HA	1:160:A:TRP:H	20	0.11
(2,5147)	1:146:A:GLU:HB3	1:145:A:ASP:H	20	0.11
(2,5137)	1:142:A:LEU:HD11	1:143:A:ALA:H	10	0.11
(2,5137)	1:142:A:LEU:HD12	1:143:A:ALA:H	10	0.11
(2,5137)	1:142:A:LEU:HD13	1:143:A:ALA:H	10	0.11
(2,5122)	1:140:A:VAL:HG11	1:142:A:LEU:H	18	0.11
(2,5122)	1:140:A:VAL:HG12	1:142:A:LEU:H	18	0.11
(2,5122)	1:140:A:VAL:HG13	1:142:A:LEU:H	18	0.11
(2,5070)	1:133:A:LEU:HB3	1:133:A:LEU:H	1	0.11
(2,5070)	1:133:A:LEU:HB3	1:133:A:LEU:H	6	0.11
(2,5070)	1:133:A:LEU:HB3	1:133:A:LEU:H	13	0.11
(2,5070)	1:133:A:LEU:HB3	1:133:A:LEU:H	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5066)	1:133:A:LEU:HD21	1:132:A:GLY:H	3	0.11
(2,5066)	1:133:A:LEU:HD22	1:132:A:GLY:H	3	0.11
(2,5066)	1:133:A:LEU:HD23	1:132:A:GLY:H	3	0.11
(2,5052)	1:96:A:GLU:HG2	1:129:A:ALA:H	11	0.11
(2,5045)	1:95:A:ALA:HB1	1:127:A:PHE:H	2	0.11
(2,5045)	1:95:A:ALA:HB2	1:127:A:PHE:H	2	0.11
(2,5045)	1:95:A:ALA:HB3	1:127:A:PHE:H	2	0.11
(2,4934)	1:105:A:ILE:HG12	1:104:A:THR:H	8	0.11
(2,4898)	1:95:A:ALA:H	1:98:A:PHE:H	14	0.11
(2,4863)	1:92:A:GLU:HG3	1:92:A:GLU:H	15	0.11
(2,4820)	1:51:A:LEU:HD21	1:84:A:ALA:H	18	0.11
(2,4820)	1:51:A:LEU:HD22	1:84:A:ALA:H	18	0.11
(2,4820)	1:51:A:LEU:HD23	1:84:A:ALA:H	18	0.11
(2,4801)	1:114:A:ALA:HB1	1:81:A:LYS:H	8	0.11
(2,4801)	1:114:A:ALA:HB2	1:81:A:LYS:H	8	0.11
(2,4801)	1:114:A:ALA:HB3	1:81:A:LYS:H	8	0.11
(2,4801)	1:114:A:ALA:HB1	1:81:A:LYS:H	15	0.11
(2,4801)	1:114:A:ALA:HB2	1:81:A:LYS:H	15	0.11
(2,4801)	1:114:A:ALA:HB3	1:81:A:LYS:H	15	0.11
(2,4778)	1:76:A:ILE:H	1:77:A:ASP:H	11	0.11
(2,4778)	1:76:A:ILE:H	1:77:A:ASP:H	13	0.11
(2,4776)	1:75:A:GLU:HB2	1:76:A:ILE:H	1	0.11
(2,4691)	1:60:A:GLY:HA3	1:59:A:TYR:H	10	0.11
(2,4675)	1:101:A:ALA:H	1:56:A:THR:H	20	0.11
(2,4674)	1:102:A:LEU:HD11	1:54:A:ILE:H	10	0.11
(2,4674)	1:102:A:LEU:HD12	1:54:A:ILE:H	10	0.11
(2,4674)	1:102:A:LEU:HD13	1:54:A:ILE:H	10	0.11
(2,4620)	1:44:A:LEU:HD11	1:46:A:ALA:H	2	0.11
(2,4620)	1:44:A:LEU:HD12	1:46:A:ALA:H	2	0.11
(2,4620)	1:44:A:LEU:HD13	1:46:A:ALA:H	2	0.11
(2,4589)	1:42:A:GLU:HB3	1:42:A:GLU:H	11	0.11
(2,4543)	1:7:A:PHE:HB2	1:36:A:ILE:H	16	0.11
(2,4488)	1:158:A:GLU:HA	1:25:A:GLN:HE21	15	0.11
(2,4481)	1:25:A:GLN:HA	1:25:A:GLN:HE22	17	0.11
(2,4463)	1:21:A:MET:HA	1:23:A:GLN:H	8	0.11
(2,4365)	1:32:A:ASP:HB2	1:6:A:ILE:H	11	0.11
(2,4365)	1:32:A:ASP:HB2	1:6:A:ILE:H	14	0.11
(2,4359)	1:49:A:ILE:HG12	1:5:A:GLY:H	11	0.11
(2,4290)	1:104:A:THR:H	1:105:A:ILE:H	12	0.11
(2,4099)	1:45:A:GLU:HB2	1:45:A:GLU:H	14	0.11
(2,4071)	1:112:A:ARG:HD2	1:112:A:ARG:H	11	0.11
(2,4022)	1:96:A:GLU:HB2	1:96:A:GLU:H	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4022)	1:96:A:GLU:HB3	1:96:A:GLU:H	11	0.11
(2,4021)	1:96:A:GLU:HG2	1:96:A:GLU:H	8	0.11
(2,4012)	1:29:A:ASP:HA	1:29:A:ASP:H	12	0.11
(2,4012)	1:29:A:ASP:HA	1:29:A:ASP:H	16	0.11
(2,4000)	1:75:A:GLU:HG2	1:75:A:GLU:H	4	0.11
(2,4000)	1:75:A:GLU:HG2	1:75:A:GLU:H	6	0.11
(2,3975)	1:174:A:LEU:HD11	1:171:A:ASP:H	8	0.11
(2,3975)	1:174:A:LEU:HD12	1:171:A:ASP:H	8	0.11
(2,3975)	1:174:A:LEU:HD13	1:171:A:ASP:H	8	0.11
(2,3952)	1:24:A:LYS:HB2	1:25:A:GLN:H	9	0.11
(2,3935)	1:158:A:GLU:HA	1:158:A:GLU:H	11	0.11
(2,3932)	1:91:A:GLN:HB2	1:92:A:GLU:H	1	0.11
(2,3932)	1:91:A:GLN:HB2	1:92:A:GLU:H	9	0.11
(2,3903)	1:158:A:GLU:HG3	1:159:A:LYS:H	19	0.11
(2,3880)	1:25:A:GLN:HB3	1:26:A:LEU:H	7	0.11
(2,3879)	1:26:A:LEU:HA	1:26:A:LEU:H	3	0.11
(2,3879)	1:26:A:LEU:HA	1:26:A:LEU:H	19	0.11
(2,3874)	1:171:A:ASP:HA	1:172:A:GLU:H	13	0.11
(2,3874)	1:171:A:ASP:HA	1:172:A:GLU:H	18	0.11
(2,3839)	1:165:A:SER:HB3	1:165:A:SER:H	5	0.11
(2,3839)	1:165:A:SER:HB3	1:165:A:SER:H	7	0.11
(2,3839)	1:165:A:SER:HB3	1:165:A:SER:H	8	0.11
(2,3839)	1:165:A:SER:HB3	1:165:A:SER:H	11	0.11
(2,3839)	1:165:A:SER:HB3	1:165:A:SER:H	16	0.11
(2,3839)	1:165:A:SER:HB3	1:165:A:SER:H	20	0.11
(2,3808)	1:127:A:PHE:HA	1:128:A:GLU:H	15	0.11
(2,3796)	1:16:A:GLU:HB2	1:16:A:GLU:H	14	0.11
(2,3793)	1:156:A:ARG:HB3	1:156:A:ARG:H	10	0.11
(2,3793)	1:156:A:ARG:HB3	1:156:A:ARG:H	20	0.11
(2,3770)	1:173:A:ILE:HA	1:174:A:LEU:H	5	0.11
(2,3770)	1:173:A:ILE:HA	1:174:A:LEU:H	7	0.11
(2,3770)	1:173:A:ILE:HA	1:174:A:LEU:H	10	0.11
(2,3770)	1:173:A:ILE:HA	1:174:A:LEU:H	14	0.11
(2,3757)	1:162:A:LYS:HB2	1:163:A:GLN:H	4	0.11
(2,3757)	1:162:A:LYS:HB2	1:163:A:GLN:H	5	0.11
(2,3757)	1:162:A:LYS:HB2	1:163:A:GLN:H	6	0.11
(2,3757)	1:162:A:LYS:HB2	1:163:A:GLN:H	10	0.11
(2,3757)	1:162:A:LYS:HB2	1:163:A:GLN:H	18	0.11
(2,3756)	1:163:A:GLN:HG3	1:163:A:GLN:H	1	0.11
(2,3756)	1:163:A:GLN:HG3	1:163:A:GLN:H	12	0.11
(2,3733)	1:166:A:GLU:HA	1:166:A:GLU:H	12	0.11
(2,3729)	1:114:A:ALA:HA	1:114:A:ALA:H	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3726)	1:70:A:PHE:HB3	1:70:A:PHE:H	3	0.11
(2,3726)	1:70:A:PHE:HB3	1:70:A:PHE:H	6	0.11
(2,3726)	1:70:A:PHE:HB3	1:70:A:PHE:H	17	0.11
(2,3726)	1:70:A:PHE:HB3	1:70:A:PHE:H	19	0.11
(2,3715)	1:67:A:ASP:HB3	1:62:A:ALA:H	2	0.11
(2,3715)	1:67:A:ASP:HB3	1:62:A:ALA:H	13	0.11
(2,3687)	1:161:A:VAL:HB	1:162:A:LYS:H	3	0.11
(2,3687)	1:161:A:VAL:HB	1:162:A:LYS:H	11	0.11
(2,3656)	1:18:A:ILE:HA	1:21:A:MET:H	4	0.11
(2,3598)	1:82:A:LEU:HB3	1:82:A:LEU:H	1	0.11
(2,3598)	1:82:A:LEU:HB3	1:82:A:LEU:H	5	0.11
(2,3581)	1:51:A:LEU:HD11	1:84:A:ALA:H	14	0.11
(2,3581)	1:51:A:LEU:HD12	1:84:A:ALA:H	14	0.11
(2,3581)	1:51:A:LEU:HD13	1:84:A:ALA:H	14	0.11
(2,3486)	1:170:A:LEU:H	1:168:A:LEU:HD21	11	0.11
(2,3486)	1:170:A:LEU:H	1:168:A:LEU:HD22	11	0.11
(2,3486)	1:170:A:LEU:H	1:168:A:LEU:HD23	11	0.11
(2,3425)	1:131:A:LYS:HB3	1:131:A:LYS:HE2	5	0.11
(2,3425)	1:131:A:LYS:HB3	1:131:A:LYS:HE2	6	0.11
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG11	13	0.11
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG12	13	0.11
(2,3377)	1:156:A:ARG:HD2	1:157:A:VAL:HG13	13	0.11
(2,3210)	1:132:A:GLY:HA3	1:140:A:VAL:HG11	19	0.11
(2,3210)	1:132:A:GLY:HA3	1:140:A:VAL:HG12	19	0.11
(2,3210)	1:132:A:GLY:HA3	1:140:A:VAL:HG13	19	0.11
(2,3093)	1:125:A:TYR:HD1	1:126:A:HIS:HB2	16	0.11
(2,3093)	1:125:A:TYR:HD2	1:126:A:HIS:HB2	16	0.11
(2,3059)	1:120:A:TRP:H	1:121:A:PRO:HD3	7	0.11
(2,3024)	1:168:A:LEU:H	1:117:A:VAL:HG21	6	0.11
(2,3024)	1:168:A:LEU:H	1:117:A:VAL:HG22	6	0.11
(2,3024)	1:168:A:LEU:H	1:117:A:VAL:HG23	6	0.11
(2,2953)	1:111:A:PRO:HD2	1:112:A:ARG:HA	12	0.11
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD11	16	0.11
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD12	16	0.11
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD13	16	0.11
(2,2813)	1:109:A:ILE:HD11	1:105:A:ILE:HG12	16	0.11
(2,2813)	1:109:A:ILE:HD12	1:105:A:ILE:HG12	16	0.11
(2,2813)	1:109:A:ILE:HD13	1:105:A:ILE:HG12	16	0.11
(2,2670)	1:148:A:ARG:HD2	1:92:A:GLU:HB2	17	0.11
(2,2613)	1:84:A:ALA:HA	1:85:A:LEU:HD11	2	0.11
(2,2613)	1:84:A:ALA:HA	1:85:A:LEU:HD12	2	0.11
(2,2613)	1:84:A:ALA:HA	1:85:A:LEU:HD13	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2590)	1:85:A:LEU:HB2	1:84:A:ALA:HA	17	0.11
(2,2533)	1:47:A:TYR:HB3	1:81:A:LYS:HD3	11	0.11
(2,2501)	1:162:A:LYS:HE2	1:158:A:GLU:HA	1	0.11
(2,2501)	1:162:A:LYS:HE2	1:158:A:GLU:HA	15	0.11
(2,2501)	1:162:A:LYS:HE2	1:158:A:GLU:HA	18	0.11
(2,2456)	1:75:A:GLU:HA	1:75:A:GLU:HG2	6	0.11
(2,2456)	1:75:A:GLU:HA	1:75:A:GLU:HG2	13	0.11
(2,2454)	1:174:A:LEU:H	1:172:A:GLU:HB2	11	0.11
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD21	2	0.11
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD22	2	0.11
(2,2439)	1:76:A:ILE:HD11	1:73:A:LEU:HD23	2	0.11
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD21	2	0.11
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD22	2	0.11
(2,2439)	1:76:A:ILE:HD12	1:73:A:LEU:HD23	2	0.11
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD21	2	0.11
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD22	2	0.11
(2,2439)	1:76:A:ILE:HD13	1:73:A:LEU:HD23	2	0.11
(2,2338)	1:158:A:GLU:HG3	1:158:A:GLU:HA	17	0.11
(2,2298)	1:41:A:LYS:HE3	1:75:A:GLU:HG3	12	0.11
(2,2298)	1:41:A:LYS:HE3	1:75:A:GLU:HG3	14	0.11
(2,2182)	1:6:A:ILE:HG12	1:51:A:LEU:HG	4	0.11
(2,2182)	1:6:A:ILE:HG12	1:51:A:LEU:HG	13	0.11
(2,2172)	1:84:A:ALA:HB1	1:51:A:LEU:HB2	16	0.11
(2,2172)	1:84:A:ALA:HB2	1:51:A:LEU:HB2	16	0.11
(2,2172)	1:84:A:ALA:HB3	1:51:A:LEU:HB2	16	0.11
(2,2130)	1:120:A:TRP:HH2	1:159:A:LYS:HG2	12	0.11
(2,2053)	1:97:A:TYR:HE1	1:96:A:GLU:HG2	2	0.11
(2,2053)	1:97:A:TYR:HE2	1:96:A:GLU:HG2	2	0.11
(2,1975)	1:159:A:LYS:H	1:158:A:GLU:HG3	19	0.11
(2,1953)	1:72:A:THR:HG21	1:41:A:LYS:HD2	1	0.11
(2,1953)	1:72:A:THR:HG22	1:41:A:LYS:HD2	1	0.11
(2,1953)	1:72:A:THR:HG23	1:41:A:LYS:HD2	1	0.11
(2,1813)	1:32:A:ASP:HB2	1:33:A:VAL:HG21	17	0.11
(2,1813)	1:32:A:ASP:HB2	1:33:A:VAL:HG22	17	0.11
(2,1813)	1:32:A:ASP:HB2	1:33:A:VAL:HG23	17	0.11
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG21	15	0.11
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG22	15	0.11
(2,1774)	1:21:A:MET:HG2	1:153:A:THR:HG23	15	0.11
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG11	3	0.11
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG12	3	0.11
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG13	3	0.11
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG11	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG12	13	0.11
(2,1760)	1:50:A:LEU:HB3	1:83:A:VAL:HG13	13	0.11
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD11	17	0.11
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD12	17	0.11
(2,1699)	1:25:A:GLN:H	1:26:A:LEU:HD13	17	0.11
(2,1637)	1:162:A:LYS:HE2	1:162:A:LYS:HG3	2	0.11
(2,1637)	1:162:A:LYS:HE2	1:162:A:LYS:HG3	6	0.11
(2,1611)	1:118:A:GLY:HA3	1:117:A:VAL:HG11	3	0.11
(2,1611)	1:118:A:GLY:HA3	1:117:A:VAL:HG12	3	0.11
(2,1611)	1:118:A:GLY:HA3	1:117:A:VAL:HG13	3	0.11
(2,1534)	1:20:A:LYS:HA	1:20:A:LYS:HD2	10	0.11
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD11	5	0.11
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD12	5	0.11
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD13	5	0.11
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD11	10	0.11
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD12	10	0.11
(2,1484)	1:19:A:ALA:H	1:18:A:ILE:HD13	10	0.11
(2,1458)	1:71:A:PRO:HD2	1:68:A:ASP:HA	10	0.11
(2,1225)	1:162:A:LYS:HG3	1:162:A:LYS:HE2	2	0.11
(2,1225)	1:162:A:LYS:HG3	1:162:A:LYS:HE2	6	0.11
(2,1200)	1:75:A:GLU:HG2	1:75:A:GLU:HA	6	0.11
(2,1200)	1:75:A:GLU:HG2	1:75:A:GLU:HA	13	0.11
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG21	15	0.11
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG22	15	0.11
(2,1025)	1:21:A:MET:HB3	1:18:A:ILE:HG23	15	0.11
(2,1014)	1:23:A:GLN:HG3	1:31:A:ALA:HB1	12	0.11
(2,1014)	1:23:A:GLN:HG3	1:31:A:ALA:HB2	12	0.11
(2,1014)	1:23:A:GLN:HG3	1:31:A:ALA:HB3	12	0.11
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB1	8	0.11
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB2	8	0.11
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB3	8	0.11
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB1	12	0.11
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB2	12	0.11
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB3	12	0.11
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB1	14	0.11
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB2	14	0.11
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB3	14	0.11
(2,917)	1:4:A:THR:HB	1:49:A:ILE:HG21	13	0.11
(2,917)	1:4:A:THR:HB	1:49:A:ILE:HG22	13	0.11
(2,917)	1:4:A:THR:HB	1:49:A:ILE:HG23	13	0.11
(2,917)	1:4:A:THR:HB	1:49:A:ILE:HG21	20	0.11
(2,917)	1:4:A:THR:HB	1:49:A:ILE:HG22	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,917)	1:4:A:THR:HB	1:49:A:ILE:HG23	20	0.11
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD11	12	0.11
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD12	12	0.11
(2,838)	1:165:A:SER:HA	1:170:A:LEU:HD13	12	0.11
(2,814)	1:162:A:LYS:HA	1:161:A:VAL:HG21	11	0.11
(2,814)	1:162:A:LYS:HA	1:161:A:VAL:HG22	11	0.11
(2,814)	1:162:A:LYS:HA	1:161:A:VAL:HG23	11	0.11
(2,788)	1:131:A:LYS:HA	1:131:A:LYS:HD2	2	0.11
(2,782)	1:159:A:LYS:HA	1:159:A:LYS:HD2	1	0.11
(2,782)	1:159:A:LYS:HA	1:159:A:LYS:HD2	8	0.11
(2,782)	1:159:A:LYS:HA	1:159:A:LYS:HD2	13	0.11
(2,780)	1:173:A:ILE:HA	1:172:A:GLU:HB2	12	0.11
(2,780)	1:173:A:ILE:HA	1:172:A:GLU:HB2	15	0.11
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD11	12	0.11
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD12	12	0.11
(2,701)	1:109:A:ILE:H	1:108:A:ILE:HD13	12	0.11
(2,697)	1:66:A:TRP:HZ3	1:36:A:ILE:HD11	20	0.11
(2,697)	1:66:A:TRP:HZ3	1:36:A:ILE:HD12	20	0.11
(2,697)	1:66:A:TRP:HZ3	1:36:A:ILE:HD13	20	0.11
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG11	13	0.11
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG12	13	0.11
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG13	13	0.11
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG11	17	0.11
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG12	17	0.11
(2,594)	1:160:A:TRP:HE3	1:161:A:VAL:HG13	17	0.11
(2,583)	1:8:A:PHE:HD1	1:33:A:VAL:HG11	16	0.11
(2,583)	1:8:A:PHE:HD1	1:33:A:VAL:HG12	16	0.11
(2,583)	1:8:A:PHE:HD1	1:33:A:VAL:HG13	16	0.11
(2,583)	1:8:A:PHE:HD2	1:33:A:VAL:HG11	16	0.11
(2,583)	1:8:A:PHE:HD2	1:33:A:VAL:HG12	16	0.11
(2,583)	1:8:A:PHE:HD2	1:33:A:VAL:HG13	16	0.11
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD11	3	0.11
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD12	3	0.11
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD13	3	0.11
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD11	6	0.11
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD12	6	0.11
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD13	6	0.11
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD11	20	0.11
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD12	20	0.11
(2,568)	1:133:A:LEU:H	1:133:A:LEU:HD13	20	0.11
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG21	1	0.11
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG22	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,564)	1:23:A:GLN:HE21	1:33:A:VAL:HG23	1	0.11
(2,512)	1:69:A:PHE:HE1	1:73:A:LEU:HD21	6	0.11
(2,512)	1:69:A:PHE:HE1	1:73:A:LEU:HD22	6	0.11
(2,512)	1:69:A:PHE:HE1	1:73:A:LEU:HD23	6	0.11
(2,512)	1:69:A:PHE:HE2	1:73:A:LEU:HD21	6	0.11
(2,512)	1:69:A:PHE:HE2	1:73:A:LEU:HD22	6	0.11
(2,512)	1:69:A:PHE:HE2	1:73:A:LEU:HD23	6	0.11
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD21	10	0.11
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD22	10	0.11
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD23	10	0.11
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD21	10	0.11
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD22	10	0.11
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD23	10	0.11
(2,466)	1:42:A:GLU:H	1:42:A:GLU:HB3	11	0.11
(2,458)	1:166:A:GLU:H	1:166:A:GLU:HB3	6	0.11
(2,458)	1:166:A:GLU:H	1:166:A:GLU:HB3	12	0.11
(2,439)	1:163:A:GLN:H	1:162:A:LYS:HB2	4	0.11
(2,439)	1:163:A:GLN:H	1:162:A:LYS:HB2	5	0.11
(2,439)	1:163:A:GLN:H	1:162:A:LYS:HB2	6	0.11
(2,439)	1:163:A:GLN:H	1:162:A:LYS:HB2	10	0.11
(2,439)	1:163:A:GLN:H	1:162:A:LYS:HB2	18	0.11
(2,403)	1:79:A:ASN:H	1:79:A:ASN:HB3	9	0.11
(2,403)	1:79:A:ASN:H	1:79:A:ASN:HB3	20	0.11
(2,377)	1:47:A:TYR:H	1:47:A:TYR:HB3	2	0.11
(2,377)	1:47:A:TYR:H	1:47:A:TYR:HB3	4	0.11
(2,377)	1:47:A:TYR:H	1:47:A:TYR:HB3	7	0.11
(2,335)	1:27:A:GLY:H	1:24:A:LYS:HA	5	0.11
(2,258)	1:172:A:GLU:H	1:171:A:ASP:HA	13	0.11
(2,258)	1:172:A:GLU:H	1:171:A:ASP:HA	18	0.11
(2,199)	1:174:A:LEU:H	1:173:A:ILE:HA	5	0.11
(2,199)	1:174:A:LEU:H	1:173:A:ILE:HA	7	0.11
(2,199)	1:174:A:LEU:H	1:173:A:ILE:HA	10	0.11
(2,199)	1:174:A:LEU:H	1:173:A:ILE:HA	14	0.11
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD1	7	0.11
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD2	7	0.11
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD1	8	0.11
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD2	8	0.11
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD1	10	0.11
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD2	10	0.11
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD1	12	0.11
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD2	12	0.11
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD1	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD2	19	0.11
(2,84)	1:159:A:LYS:HG3	1:120:A:TRP:HH2	9	0.11
(2,64)	1:61:A:GLU:HG3	1:58:A:TYR:HD1	11	0.11
(2,64)	1:61:A:GLU:HG3	1:58:A:TYR:HD2	11	0.11
(2,43)	1:59:A:TYR:H	2:201:A:FMN:H6	20	0.11
(2,40)	1:99:A:CYS:H	2:201:A:FMN:HN3	15	0.11
(3,609)	1:157:A:VAL:HG11	1:144:A:ILE:H	6	0.1
(3,609)	1:157:A:VAL:HG12	1:144:A:ILE:H	6	0.1
(3,609)	1:157:A:VAL:HG13	1:144:A:ILE:H	6	0.1
(3,378)	1:6:A:ILE:HG12	1:33:A:VAL:H	13	0.1
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD11	4	0.1
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD12	4	0.1
(3,224)	1:119:A:HIS:HB3	1:116:A:ILE:HD13	4	0.1
(3,106)	1:45:A:GLU:H	1:39:A:SER:HB3	5	0.1
(3,6)	1:159:A:LYS:HG3	1:120:A:TRP:HZ2	1	0.1
(2,5303)	1:168:A:LEU:HB3	1:168:A:LEU:H	18	0.1
(2,5298)	1:167:A:GLU:HB3	1:168:A:LEU:H	2	0.1
(2,5290)	1:168:A:LEU:HD21	1:167:A:GLU:H	18	0.1
(2,5290)	1:168:A:LEU:HD22	1:167:A:GLU:H	18	0.1
(2,5290)	1:168:A:LEU:HD23	1:167:A:GLU:H	18	0.1
(2,5289)	1:167:A:GLU:HB3	1:167:A:GLU:H	3	0.1
(2,5282)	1:165:A:SER:HA	1:166:A:GLU:H	10	0.1
(2,5282)	1:165:A:SER:HA	1:166:A:GLU:H	13	0.1
(2,5282)	1:165:A:SER:HA	1:166:A:GLU:H	18	0.1
(2,5260)	1:163:A:GLN:HB3	1:163:A:GLN:H	7	0.1
(2,5260)	1:163:A:GLN:HB3	1:163:A:GLN:H	19	0.1
(2,5239)	1:159:A:LYS:HA	1:160:A:TRP:H	2	0.1
(2,5239)	1:159:A:LYS:HA	1:160:A:TRP:H	12	0.1
(2,5173)	1:148:A:ARG:HB2	1:149:A:GLN:H	15	0.1
(2,5143)	1:144:A:ILE:HG12	1:144:A:ILE:H	11	0.1
(2,5081)	1:138:A:HIS:HB3	1:135:A:ASP:H	15	0.1
(2,5072)	1:130:A:SER:HB2	1:133:A:LEU:H	19	0.1
(2,5070)	1:133:A:LEU:HB3	1:133:A:LEU:H	3	0.1
(2,5070)	1:133:A:LEU:HB3	1:133:A:LEU:H	4	0.1
(2,5070)	1:133:A:LEU:HB3	1:133:A:LEU:H	18	0.1
(2,4986)	1:113:A:GLY:HA3	1:113:A:GLY:H	12	0.1
(2,4976)	1:112:A:ARG:H	1:112:A:ARG:HE	9	0.1
(2,4801)	1:114:A:ALA:HB1	1:81:A:LYS:H	17	0.1
(2,4801)	1:114:A:ALA:HB2	1:81:A:LYS:H	17	0.1
(2,4801)	1:114:A:ALA:HB3	1:81:A:LYS:H	17	0.1
(2,4691)	1:60:A:GLY:HA3	1:59:A:TYR:H	12	0.1
(2,4660)	1:83:A:VAL:HG11	1:52:A:LEU:H	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4660)	1:83:A:VAL:HG12	1:52:A:LEU:H	15	0.1
(2,4660)	1:83:A:VAL:HG13	1:52:A:LEU:H	15	0.1
(2,4622)	1:48:A:ASP:H	1:47:A:TYR:H	9	0.1
(2,4622)	1:48:A:ASP:H	1:47:A:TYR:H	14	0.1
(2,4589)	1:42:A:GLU:HB3	1:42:A:GLU:H	5	0.1
(2,4589)	1:42:A:GLU:HB3	1:42:A:GLU:H	13	0.1
(2,4487)	1:161:A:VAL:HB	1:25:A:GLN:HE21	15	0.1
(2,4455)	1:22:A:ILE:HG12	1:22:A:ILE:H	17	0.1
(2,4352)	1:49:A:ILE:HG21	1:4:A:THR:H	20	0.1
(2,4352)	1:49:A:ILE:HG22	1:4:A:THR:H	20	0.1
(2,4352)	1:49:A:ILE:HG23	1:4:A:THR:H	20	0.1
(2,4148)	1:15:A:THR:HG21	1:53:A:GLY:H	2	0.1
(2,4148)	1:15:A:THR:HG22	1:53:A:GLY:H	2	0.1
(2,4148)	1:15:A:THR:HG23	1:53:A:GLY:H	2	0.1
(2,4133)	1:109:A:ILE:HB	1:109:A:ILE:H	1	0.1
(2,4044)	1:39:A:SER:HB2	1:39:A:SER:H	4	0.1
(2,4025)	1:42:A:GLU:HG3	1:42:A:GLU:H	2	0.1
(2,4012)	1:29:A:ASP:HA	1:29:A:ASP:H	3	0.1
(2,4000)	1:75:A:GLU:HG2	1:75:A:GLU:H	13	0.1
(2,3986)	1:170:A:LEU:HA	1:170:A:LEU:H	6	0.1
(2,3952)	1:24:A:LYS:HB2	1:25:A:GLN:H	1	0.1
(2,3952)	1:24:A:LYS:HB2	1:25:A:GLN:H	8	0.1
(2,3913)	1:46:A:ALA:HA	1:46:A:ALA:H	20	0.1
(2,3881)	1:26:A:LEU:HB3	1:26:A:LEU:H	19	0.1
(2,3879)	1:26:A:LEU:HA	1:26:A:LEU:H	2	0.1
(2,3879)	1:26:A:LEU:HA	1:26:A:LEU:H	4	0.1
(2,3874)	1:171:A:ASP:HA	1:172:A:GLU:H	12	0.1
(2,3839)	1:165:A:SER:HB3	1:165:A:SER:H	18	0.1
(2,3793)	1:156:A:ARG:HB3	1:156:A:ARG:H	4	0.1
(2,3793)	1:156:A:ARG:HB3	1:156:A:ARG:H	11	0.1
(2,3793)	1:156:A:ARG:HB3	1:156:A:ARG:H	18	0.1
(2,3788)	1:164:A:ILE:HA	1:167:A:GLU:H	13	0.1
(2,3757)	1:162:A:LYS:HB2	1:163:A:GLN:H	7	0.1
(2,3729)	1:114:A:ALA:HA	1:114:A:ALA:H	3	0.1
(2,3726)	1:70:A:PHE:HB3	1:70:A:PHE:H	10	0.1
(2,3717)	1:66:A:TRP:HB3	1:66:A:TRP:H	6	0.1
(2,3712)	1:82:A:LEU:HD21	1:117:A:VAL:H	2	0.1
(2,3712)	1:82:A:LEU:HD22	1:117:A:VAL:H	2	0.1
(2,3712)	1:82:A:LEU:HD23	1:117:A:VAL:H	2	0.1
(2,3687)	1:161:A:VAL:HB	1:162:A:LYS:H	4	0.1
(2,3687)	1:161:A:VAL:HB	1:162:A:LYS:H	5	0.1
(2,3598)	1:82:A:LEU:HB3	1:82:A:LEU:H	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3536)	1:78:A:PHE:H	1:77:A:ASP:HB2	3	0.1
(2,3512)	1:166:A:GLU:HB3	1:171:A:ASP:HB2	14	0.1
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD11	8	0.1
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD12	8	0.1
(2,3261)	1:83:A:VAL:H	1:168:A:LEU:HD13	8	0.1
(2,3095)	1:125:A:TYR:HD1	1:126:A:HIS:HB3	3	0.1
(2,3095)	1:125:A:TYR:HD2	1:126:A:HIS:HB3	3	0.1
(2,3058)	1:160:A:TRP:HD1	1:121:A:PRO:HD3	7	0.1
(2,2968)	1:79:A:ASN:H	1:113:A:GLY:HA3	17	0.1
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG21	2	0.1
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG22	2	0.1
(2,2914)	1:112:A:ARG:HG3	1:109:A:ILE:HG23	2	0.1
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD11	11	0.1
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD12	11	0.1
(2,2906)	1:52:A:LEU:HG	1:109:A:ILE:HD13	11	0.1
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD11	1	0.1
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD12	1	0.1
(2,2816)	1:66:A:TRP:HZ2	1:105:A:ILE:HD13	1	0.1
(2,2775)	1:88:A:CYS:H	1:102:A:LEU:HD21	6	0.1
(2,2775)	1:88:A:CYS:H	1:102:A:LEU:HD22	6	0.1
(2,2775)	1:88:A:CYS:H	1:102:A:LEU:HD23	6	0.1
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD11	16	0.1
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD12	16	0.1
(2,2764)	1:141:A:GLY:HA2	1:102:A:LEU:HD13	16	0.1
(2,2587)	1:83:A:VAL:HG21	1:84:A:ALA:HA	5	0.1
(2,2587)	1:83:A:VAL:HG22	1:84:A:ALA:HA	5	0.1
(2,2587)	1:83:A:VAL:HG23	1:84:A:ALA:HA	5	0.1
(2,2548)	1:117:A:VAL:HG11	1:82:A:LEU:HB2	10	0.1
(2,2548)	1:117:A:VAL:HG12	1:82:A:LEU:HB2	10	0.1
(2,2548)	1:117:A:VAL:HG13	1:82:A:LEU:HB2	10	0.1
(2,2533)	1:47:A:TYR:HB3	1:81:A:LYS:HD3	18	0.1
(2,2510)	1:113:A:GLY:HA2	1:79:A:ASN:HA	6	0.1
(2,2428)	1:69:A:PHE:HE1	1:73:A:LEU:HB2	15	0.1
(2,2428)	1:69:A:PHE:HE2	1:73:A:LEU:HB2	15	0.1
(2,2214)	1:70:A:PHE:HE1	1:52:A:LEU:HD11	7	0.1
(2,2214)	1:70:A:PHE:HE1	1:52:A:LEU:HD12	7	0.1
(2,2214)	1:70:A:PHE:HE1	1:52:A:LEU:HD13	7	0.1
(2,2214)	1:70:A:PHE:HE2	1:52:A:LEU:HD11	7	0.1
(2,2214)	1:70:A:PHE:HE2	1:52:A:LEU:HD12	7	0.1
(2,2214)	1:70:A:PHE:HE2	1:52:A:LEU:HD13	7	0.1
(2,1971)	1:42:A:GLU:H	1:42:A:GLU:HG3	2	0.1
(2,1953)	1:72:A:THR:HG21	1:41:A:LYS:HD2	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1953)	1:72:A:THR:HG22	1:41:A:LYS:HD2	17	0.1
(2,1953)	1:72:A:THR:HG23	1:41:A:LYS:HD2	17	0.1
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB3	5	0.1
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB2	5	0.1
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB3	6	0.1
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB2	6	0.1
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB3	19	0.1
(2,1838)	1:38:A:LYS:HD2	1:35:A:ASP:HB2	19	0.1
(2,1777)	1:154:A:ALA:HB1	1:153:A:THR:HG21	13	0.1
(2,1777)	1:154:A:ALA:HB1	1:153:A:THR:HG22	13	0.1
(2,1777)	1:154:A:ALA:HB1	1:153:A:THR:HG23	13	0.1
(2,1777)	1:154:A:ALA:HB2	1:153:A:THR:HG21	13	0.1
(2,1777)	1:154:A:ALA:HB2	1:153:A:THR:HG22	13	0.1
(2,1777)	1:154:A:ALA:HB2	1:153:A:THR:HG23	13	0.1
(2,1777)	1:154:A:ALA:HB3	1:153:A:THR:HG21	13	0.1
(2,1777)	1:154:A:ALA:HB3	1:153:A:THR:HG22	13	0.1
(2,1777)	1:154:A:ALA:HB3	1:153:A:THR:HG23	13	0.1
(2,1706)	1:158:A:GLU:H	1:155:A:GLU:HA	9	0.1
(2,1637)	1:162:A:LYS:HE2	1:162:A:LYS:HG3	4	0.1
(2,1534)	1:20:A:LYS:HA	1:20:A:LYS:HD2	19	0.1
(2,1458)	1:71:A:PRO:HD2	1:68:A:ASP:HA	11	0.1
(2,1458)	1:71:A:PRO:HD2	1:68:A:ASP:HA	15	0.1
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG21	20	0.1
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG22	20	0.1
(2,1445)	1:55:A:PRO:HD2	1:15:A:THR:HG23	20	0.1
(2,1353)	1:6:A:ILE:HD11	1:23:A:GLN:HB3	6	0.1
(2,1353)	1:6:A:ILE:HD12	1:23:A:GLN:HB3	6	0.1
(2,1353)	1:6:A:ILE:HD13	1:23:A:GLN:HB3	6	0.1
(2,1225)	1:162:A:LYS:HG3	1:162:A:LYS:HE2	4	0.1
(2,1224)	1:38:A:LYS:HB2	1:38:A:LYS:HE2	8	0.1
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB1	8	0.1
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB2	8	0.1
(2,1029)	1:121:A:PRO:HB3	1:123:A:ALA:HB3	8	0.1
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB1	6	0.1
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB2	6	0.1
(2,1013)	1:23:A:GLN:HB2	1:31:A:ALA:HB3	6	0.1
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD11	8	0.1
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD12	8	0.1
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD13	8	0.1
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD11	13	0.1
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD12	13	0.1
(2,829)	1:115:A:THR:HB	1:82:A:LEU:HD13	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,814)	1:162:A:LYS:HA	1:161:A:VAL:HG21	5	0.1
(2,814)	1:162:A:LYS:HA	1:161:A:VAL:HG22	5	0.1
(2,814)	1:162:A:LYS:HA	1:161:A:VAL:HG23	5	0.1
(2,782)	1:159:A:LYS:HA	1:159:A:LYS:HD2	7	0.1
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD11	12	0.1
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD12	12	0.1
(2,702)	1:70:A:PHE:HE1	1:108:A:ILE:HD13	12	0.1
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD11	12	0.1
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD12	12	0.1
(2,702)	1:70:A:PHE:HE2	1:108:A:ILE:HD13	12	0.1
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD21	5	0.1
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD22	5	0.1
(2,513)	1:136:A:ASP:H	1:133:A:LEU:HD23	5	0.1
(2,512)	1:69:A:PHE:HE1	1:73:A:LEU:HD21	10	0.1
(2,512)	1:69:A:PHE:HE1	1:73:A:LEU:HD22	10	0.1
(2,512)	1:69:A:PHE:HE1	1:73:A:LEU:HD23	10	0.1
(2,512)	1:69:A:PHE:HE2	1:73:A:LEU:HD21	10	0.1
(2,512)	1:69:A:PHE:HE2	1:73:A:LEU:HD22	10	0.1
(2,512)	1:69:A:PHE:HE2	1:73:A:LEU:HD23	10	0.1
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD21	1	0.1
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD22	1	0.1
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD23	1	0.1
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD21	1	0.1
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD22	1	0.1
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD23	1	0.1
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD21	6	0.1
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD22	6	0.1
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD23	6	0.1
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD21	6	0.1
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD22	6	0.1
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD23	6	0.1
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD21	18	0.1
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD22	18	0.1
(2,502)	1:78:A:PHE:HD1	1:44:A:LEU:HD23	18	0.1
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD21	18	0.1
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD22	18	0.1
(2,502)	1:78:A:PHE:HD2	1:44:A:LEU:HD23	18	0.1
(2,466)	1:42:A:GLU:H	1:42:A:GLU:HB3	5	0.1
(2,466)	1:42:A:GLU:H	1:42:A:GLU:HB3	13	0.1
(2,453)	1:158:A:GLU:H	1:155:A:GLU:HB2	13	0.1
(2,439)	1:163:A:GLN:H	1:162:A:LYS:HB2	7	0.1
(2,403)	1:79:A:ASN:H	1:79:A:ASN:HB3	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,377)	1:47:A:TYR:H	1:47:A:TYR:HB3	8	0.1
(2,361)	1:26:A:LEU:H	1:26:A:LEU:HB3	19	0.1
(2,258)	1:172:A:GLU:H	1:171:A:ASP:HA	12	0.1
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD1	2	0.1
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD2	2	0.1
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD1	17	0.1
(2,105)	1:133:A:LEU:H	1:139:A:PHE:HD2	17	0.1
(2,46)	1:58:A:TYR:HB2	2:201:A:FMN:H6	16	0.1

10 Dihedral-angle violation analysis (i)

No dihedral-angle restraints found