Full wwPDB NMR Structure Validation Report (i)

Mar 24, 2026 – 08:05 PM UTC

PDB ID	:	6H0Q / pdb_00006h0q
BMRB ID	:	34301
Title	:	B1-type ACP domain from module 7 of MLSB
Authors	:	Moretto, L.; Heylen, R.; Holroyd, N.; Vance, S.; Broadhurst, R.W.
Deposited on	:	2018-07-10

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

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

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

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

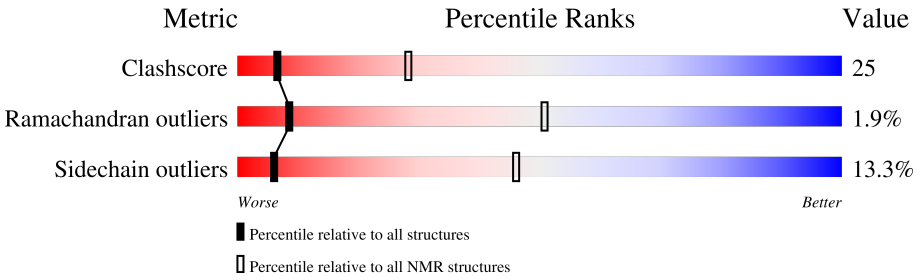
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance

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

The overall completeness of chemical shifts assignment is 87%.

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	102	45% 31% 5% 19%

2 Ensemble composition and analysis

This entry contains 16 models. Model 10 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:5-A:37, A:42-A:73, A:80-A:97 (83)	0.23	10

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	2, 4, 6, 10, 12, 13, 14, 15, 16
2	1, 3, 5, 7, 8, 9, 11

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 1517 atoms, of which 761 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Type I modular polyketide synthase.

Mol	Chain	Residues	Atoms					Trace
			Total	C	H	N	O	
1	A	102	1517	469	761	138	149	0

There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	1	GLY	-	expression tag	UNP Q6MZ72

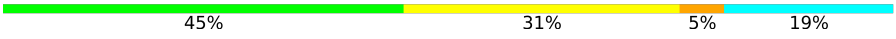
4 Residue-property plots

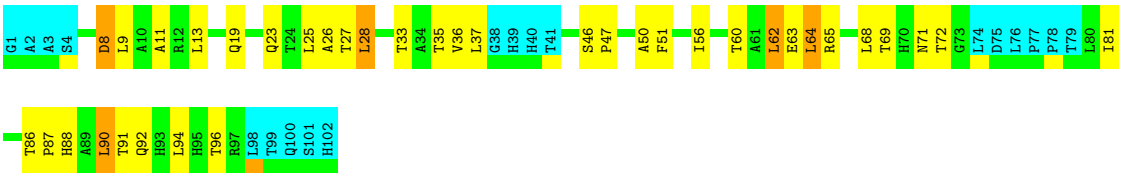
4.1 Average score per residue in the NMR ensemble

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

• Molecule 1: Type I modular polyketide synthase

Chain A:





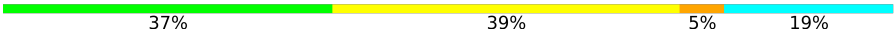
4.2 Scores per residue for each member of the ensemble

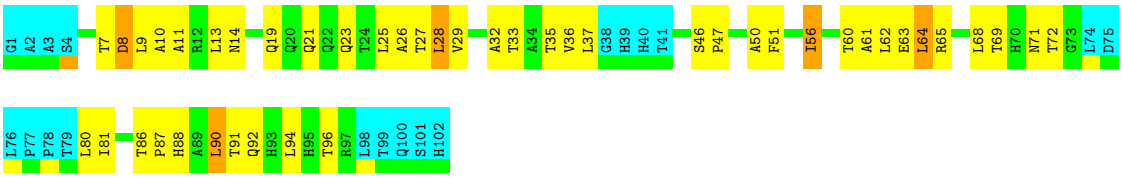
Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: Type I modular polyketide synthase

Chain A:

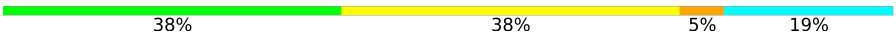


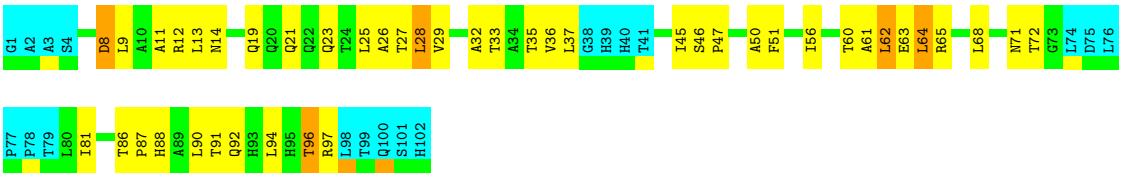


4.2.2 Score per residue for model 2

• Molecule 1: Type I modular polyketide synthase

Chain A:

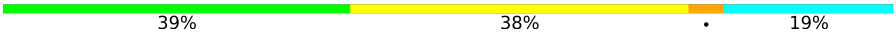


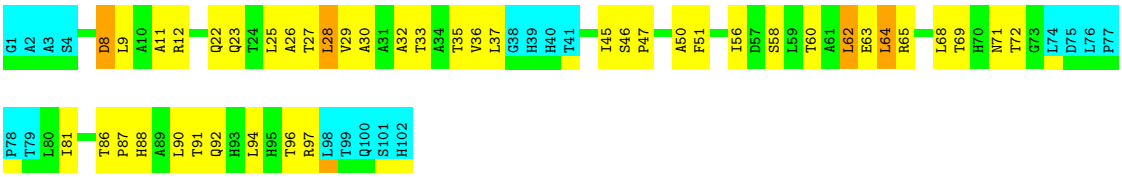


4.2.3 Score per residue for model 3

• Molecule 1: Type I modular polyketide synthase

Chain A:

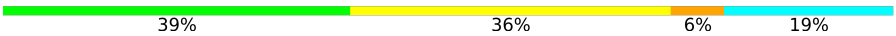




4.2.4 Score per residue for model 4

• Molecule 1: Type I modular polyketide synthase

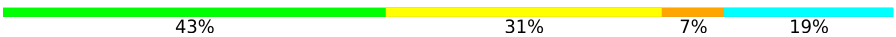
Chain A:

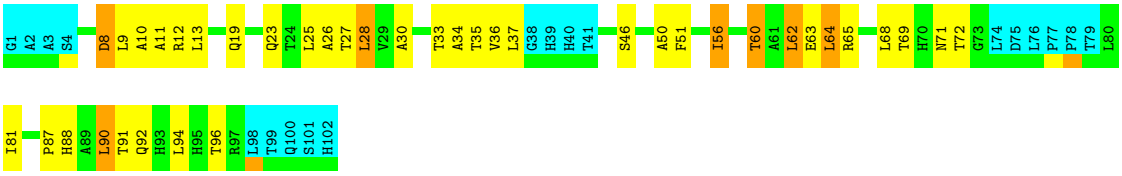


4.2.5 Score per residue for model 5

• Molecule 1: Type I modular polyketide synthase

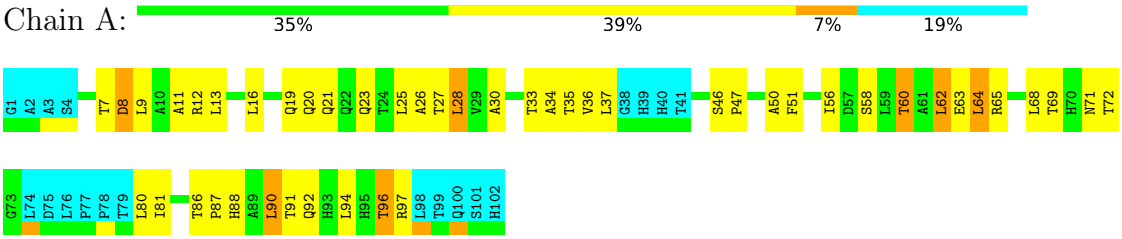
Chain A:





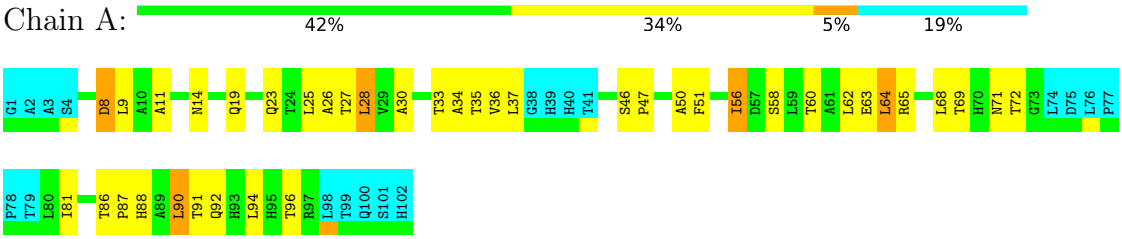
4.2.6 Score per residue for model 6

• Molecule 1: Type I modular polyketide synthase



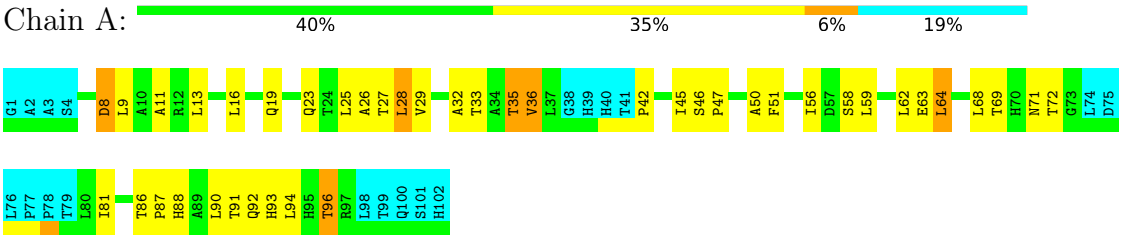
4.2.7 Score per residue for model 7

• Molecule 1: Type I modular polyketide synthase



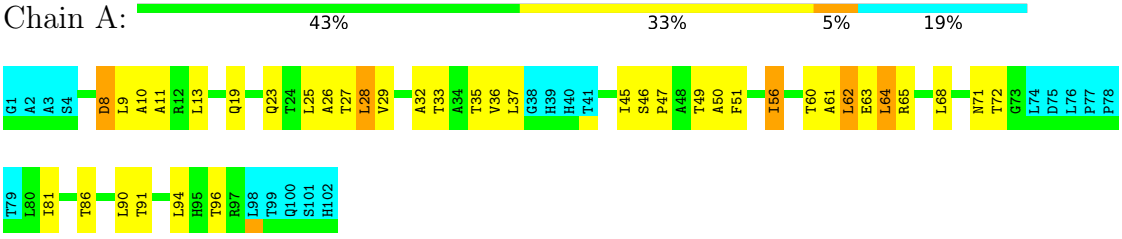
4.2.8 Score per residue for model 8

• Molecule 1: Type I modular polyketide synthase



4.2.9 Score per residue for model 9

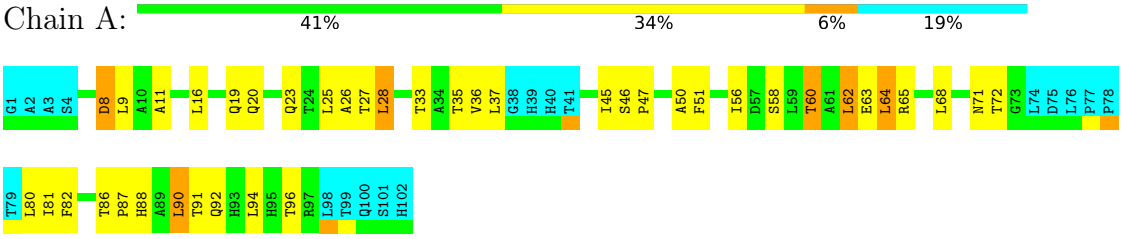
• Molecule 1: Type I modular polyketide synthase



4.2.10 Score per residue for model 10 (medoid)

• Molecule 1: Type I modular polyketide synthase

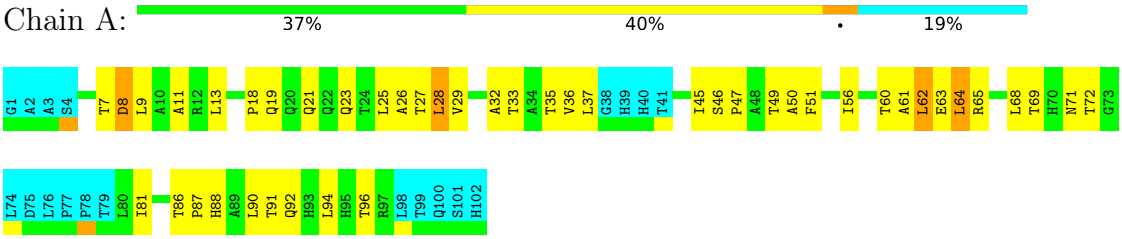
Chain A:



4.2.11 Score per residue for model 11

• Molecule 1: Type I modular polyketide synthase

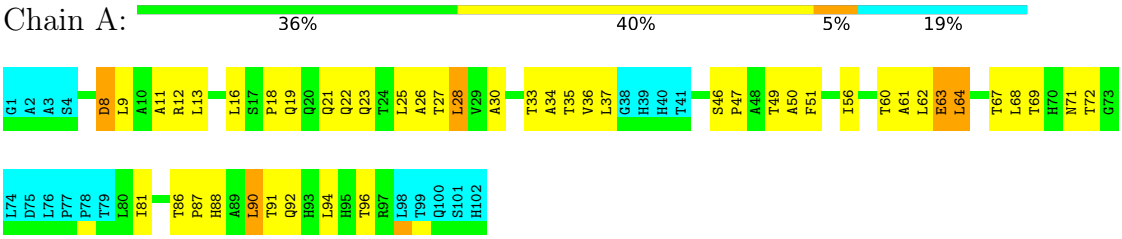
Chain A:



4.2.12 Score per residue for model 12

• Molecule 1: Type I modular polyketide synthase

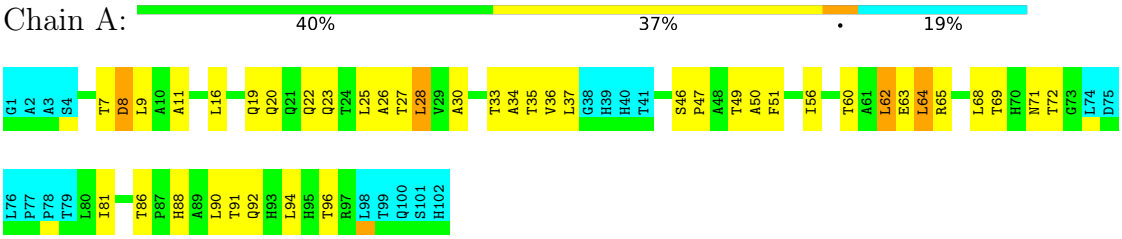
Chain A:



4.2.13 Score per residue for model 13

• Molecule 1: Type I modular polyketide synthase

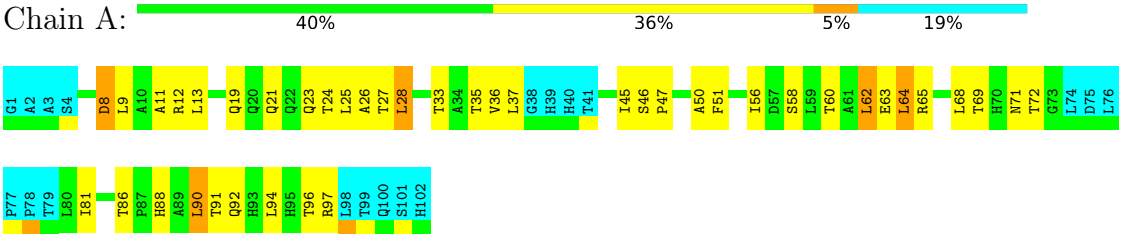
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: Type I modular polyketide synthase

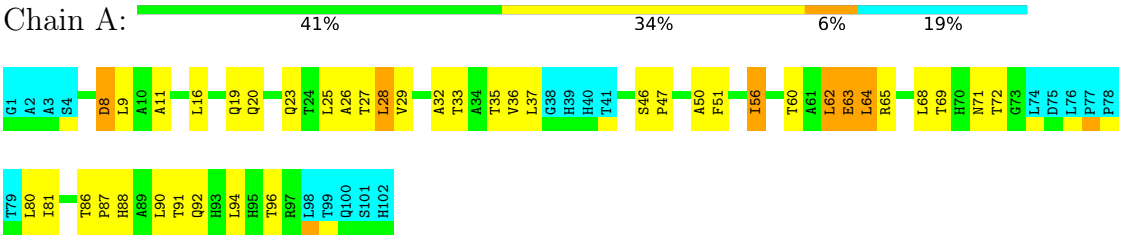
Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: Type I modular polyketide synthase

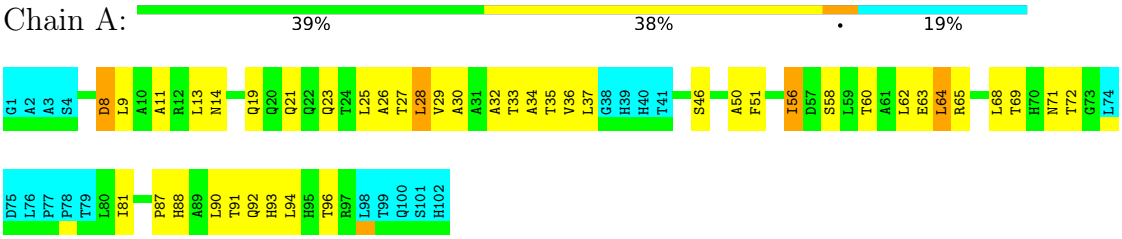
Chain A:



4.2.16 Score per residue for model 16

• Molecule 1: Type I modular polyketide synthase

Chain A:



5 Refinement protocol and experimental data overview

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

Of the 50 calculated structures, 16 were deposited, based on the following criterion: *structures with the least restraint violations*.

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

Software name	Classification	Version
ARIA	structure calculation	

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	1101
Number of shifts mapped to atoms	1101
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	87%

6 Model quality

6.1 Standard geometry

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	619	629	624	31±2
All	All	9904	10064	9984	498

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 25.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:72:THR:HG21	1:A:94:LEU:HD13	0.91	1.40	3	16
1:A:56:ILE:HG21	1:A:81:ILE:HG21	0.81	1.52	4	16
1:A:68:LEU:HD11	1:A:90:LEU:HD13	0.75	1.56	8	2
1:A:33:THR:HA	1:A:36:VAL:HG22	0.73	1.60	13	16
1:A:51:PHE:CZ	1:A:90:LEU:HD22	0.70	2.21	1	14
1:A:33:THR:HA	1:A:36:VAL:CG2	0.68	2.18	8	13
1:A:51:PHE:CE2	1:A:90:LEU:HG	0.67	2.24	9	2
1:A:64:LEU:O	1:A:68:LEU:HG	0.66	1.91	8	11
1:A:25:LEU:HB2	1:A:91:THR:HG23	0.65	1.68	1	16
1:A:36:VAL:HG23	1:A:37:LEU:HG	0.61	1.72	7	15
1:A:88:HIS:O	1:A:92:GLN:HG3	0.61	1.94	12	15
1:A:9:LEU:HD22	1:A:72:THR:HG22	0.61	1.71	16	16
1:A:68:LEU:HD11	1:A:90:LEU:HD21	0.59	1.71	2	9
1:A:36:VAL:HG21	1:A:56:ILE:HD11	0.59	1.75	6	15

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:51:PHE:CD2	1:A:81:ILE:HG23	0.59	2.31	9	16
1:A:23:GLN:HA	1:A:26:ALA:HB3	0.59	1.74	14	16
1:A:36:VAL:HG12	1:A:63:GLU:HG3	0.58	1.74	2	15
1:A:51:PHE:CE2	1:A:90:LEU:HD22	0.57	2.34	4	9
1:A:59:LEU:O	1:A:63:GLU:HG2	0.55	2.01	8	1
1:A:47:PRO:O	1:A:86:THR:HB	0.55	2.02	10	14
1:A:8:ASP:O	1:A:11:ALA:HB3	0.54	2.02	10	16
1:A:60:THR:O	1:A:64:LEU:HB2	0.54	2.03	11	15
1:A:19:GLN:O	1:A:23:GLN:HG3	0.54	2.02	14	15
1:A:68:LEU:CD1	1:A:90:LEU:HD13	0.53	2.32	8	2
1:A:12:ARG:O	1:A:16:LEU:HD23	0.53	2.02	12	1
1:A:65:ARG:HA	1:A:68:LEU:CD2	0.53	2.34	3	2
1:A:33:THR:CA	1:A:36:VAL:HG22	0.52	2.34	13	15
1:A:81:ILE:CD1	1:A:90:LEU:HD11	0.51	2.35	8	2
1:A:18:PRO:HA	1:A:21:GLN:OE1	0.51	2.06	12	1
1:A:32:ALA:O	1:A:35:THR:HB	0.51	2.05	8	1
1:A:9:LEU:O	1:A:13:LEU:HD13	0.50	2.06	5	5
1:A:36:VAL:HG12	1:A:63:GLU:CG	0.50	2.37	12	5
1:A:68:LEU:HD13	1:A:94:LEU:HD11	0.50	1.84	11	1
1:A:28:LEU:HD11	1:A:71:ASN:CG	0.49	2.33	16	16
1:A:68:LEU:HD11	1:A:90:LEU:HD23	0.47	1.84	7	3
1:A:62:LEU:O	1:A:65:ARG:HB3	0.47	2.09	9	10
1:A:9:LEU:HB2	1:A:71:ASN:O	0.47	2.08	3	2
1:A:51:PHE:CE1	1:A:64:LEU:HD11	0.47	2.44	9	3
1:A:13:LEU:HG	1:A:21:GLN:HB3	0.47	1.86	14	7
1:A:46:SER:O	1:A:87:PRO:HG2	0.47	2.10	6	13
1:A:80:LEU:HG	1:A:90:LEU:HD11	0.47	1.86	10	2
1:A:9:LEU:HD21	1:A:25:LEU:HD21	0.47	1.87	3	5
1:A:51:PHE:HE2	1:A:90:LEU:HG	0.47	1.65	9	1
1:A:92:GLN:O	1:A:96:THR:HB	0.46	2.10	8	1
1:A:90:LEU:O	1:A:93:HIS:HB3	0.46	2.10	16	1
1:A:65:ARG:O	1:A:69:THR:HG22	0.46	2.11	16	1
1:A:51:PHE:HB3	1:A:56:ILE:CG1	0.46	2.41	5	13
1:A:46:SER:HB3	1:A:49:THR:OG1	0.45	2.12	9	3
1:A:56:ILE:CG2	1:A:61:ALA:HB2	0.45	2.42	1	4
1:A:64:LEU:HD13	1:A:81:ILE:CD1	0.45	2.41	3	5
1:A:65:ARG:HD3	1:A:65:ARG:C	0.45	2.37	1	9
1:A:36:VAL:CG1	1:A:63:GLU:HB2	0.45	2.42	8	1
1:A:68:LEU:CD1	1:A:90:LEU:HD23	0.45	2.42	12	1
1:A:29:VAL:O	1:A:32:ALA:HB3	0.44	2.13	8	8
1:A:51:PHE:CZ	1:A:90:LEU:HD12	0.44	2.47	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:56:ILE:HG23	1:A:61:ALA:HB2	0.44	1.88	1	3
1:A:25:LEU:C	1:A:27:THR:H	0.44	2.20	2	16
1:A:68:LEU:HD11	1:A:90:LEU:CD2	0.44	2.42	4	5
1:A:72:THR:CG2	1:A:94:LEU:HD13	0.43	2.30	16	1
1:A:10:ALA:O	1:A:14:ASN:HB2	0.43	2.14	4	2
1:A:56:ILE:CG2	1:A:81:ILE:HG21	0.42	2.38	6	1
1:A:46:SER:HB2	1:A:49:THR:OG1	0.42	2.15	11	1
1:A:65:ARG:HA	1:A:68:LEU:HD12	0.42	1.91	15	1
1:A:68:LEU:HD11	1:A:90:LEU:CD1	0.42	2.41	9	1
1:A:9:LEU:C	1:A:11:ALA:N	0.42	2.78	16	5
1:A:51:PHE:HB3	1:A:56:ILE:CB	0.42	2.44	8	1
1:A:64:LEU:HD13	1:A:81:ILE:HD11	0.42	1.91	1	6
1:A:65:ARG:NH1	1:A:69:THR:HG21	0.42	2.29	7	1
1:A:30:ALA:HB1	1:A:45:ILE:HB	0.42	1.92	3	1
1:A:16:LEU:HD12	1:A:20:GLN:CD	0.41	2.40	15	3
1:A:13:LEU:O	1:A:21:GLN:HG2	0.41	2.15	12	1
1:A:9:LEU:C	1:A:11:ALA:H	0.41	2.23	4	1
1:A:16:LEU:HD22	1:A:20:GLN:HB3	0.41	1.92	6	1
1:A:30:ALA:O	1:A:34:ALA:N	0.41	2.54	5	7
1:A:13:LEU:O	1:A:16:LEU:HB2	0.40	2.16	8	1
1:A:67:THR:HG22	1:A:71:ASN:OD1	0.40	2.17	12	1

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	83/102 (81%)	77±1 (92±1%)	5±1 (6±2%)	2±0 (2±1%)	8	51
All	All	1328/1632 (81%)	1228 (92%)	75 (6%)	25 (2%)	8	51

All 3 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	50	ALA	16

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Mol	Chain	Res	Type	Models (Total)
1	A	58	SER	8
1	A	18	PRO	1

6.3.2 Protein sidechains (i)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	67/82 (82%)	58±1 (87±2%)	9±1 (13±2%)	6	46
All	All	1072/1312 (82%)	929 (87%)	143 (13%)	6	46

All 18 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	8	ASP	16
1	A	28	LEU	16
1	A	35	THR	16
1	A	62	LEU	16
1	A	64	LEU	16
1	A	96	THR	16
1	A	69	THR	11
1	A	90	LEU	8
1	A	56	ILE	7
1	A	12	ARG	5
1	A	22	GLN	4
1	A	14	ASN	3
1	A	60	THR	3
1	A	63	GLU	2
1	A	80	LEU	1
1	A	36	VAL	1
1	A	24	THR	1
1	A	46	SER	1

6.3.3 RNA (i)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates (i)

There are no oligosaccharides in this entry.

6.6 Ligand geometry (i)

There are no ligands in this entry.

6.7 Other polymers (i)

There are no such molecules in this entry.

6.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 87% for the well-defined parts and 83% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *mH0ACPb_180710a.csdep*

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	1101
Number of shifts mapped to atoms	1101
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	1

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	101	-0.15 ± 0.19	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	96	0.32 ± 0.12	None needed (< 0.5 ppm)
$^{13}C'$	87	-0.12 ± 0.14	None needed (< 0.5 ppm)
^{15}N	90	0.31 ± 0.33	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 87%, i.e. 948 atoms were assigned a chemical shift out of a possible 1095. 0 out of 16 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	401/408 (98%)	163/164 (99%)	160/166 (96%)	78/78 (100%)
Sidechain	517/627 (82%)	349/415 (84%)	164/193 (85%)	4/19 (21%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	30/60 (50%)	15/30 (50%)	15/20 (75%)	0/10 (0%)
Overall	948/1095 (87%)	527/609 (87%)	339/379 (89%)	82/107 (77%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 83%, i.e. 1100 atoms were assigned a chemical shift out of a possible 1324. 0 out of 19 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	471/501 (94%)	193/202 (96%)	188/204 (92%)	90/95 (95%)
Sidechain	593/739 (80%)	399/490 (81%)	190/229 (83%)	4/20 (20%)
Aromatic	36/84 (43%)	18/42 (43%)	18/26 (69%)	0/16 (0%)
Overall	1100/1324 (83%)	610/734 (83%)	396/459 (86%)	94/131 (72%)

7.1.4 Statistically unusual chemical shifts (i)

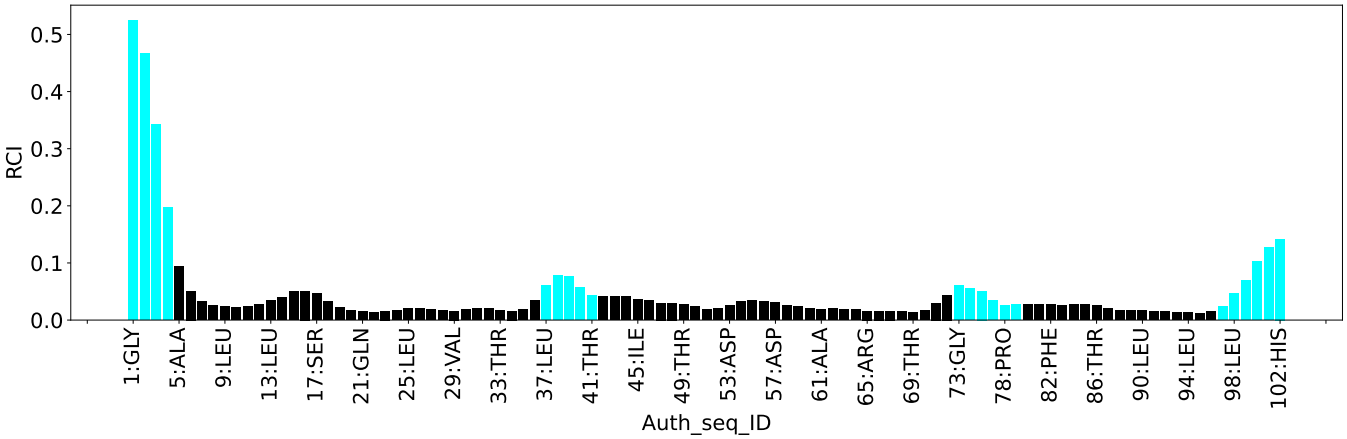
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	33	THR	HG1	4.55	0.08 – 2.19	16.2

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:


RCI
0.5
0.4
0.3
0.2
0.1
0.0
1:GLY
5:ALA
9:LEU
13:LEU
17:SER
21:GLN
25:LEU
29:VAL
33:THR
37:LEU
41:THR
45:ILE
49:THR
53:ASP
57:ASP
61:ALA
65:ARG
69:THR
73:GLY
78:PRO
82:PHE
86:THR
90:LEU
94:LEU
98:LEU
102:HIS
Auth_seq_ID

8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	2531
Intra-residue (|i-j|=0)	987
Sequential (|i-j|=1)	667
Medium range (|i-j|>1 and |i-j|<5)	531
Long range (|i-j|≥5)	346
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	0
Number of restraints per residue	24.8
Number of long range restraints per residue[1]	3.4

[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)	134.5	0.2
0.2-0.5 (Medium)	284.5	0.5
>0.5 (Large)	318.1	3.81

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)

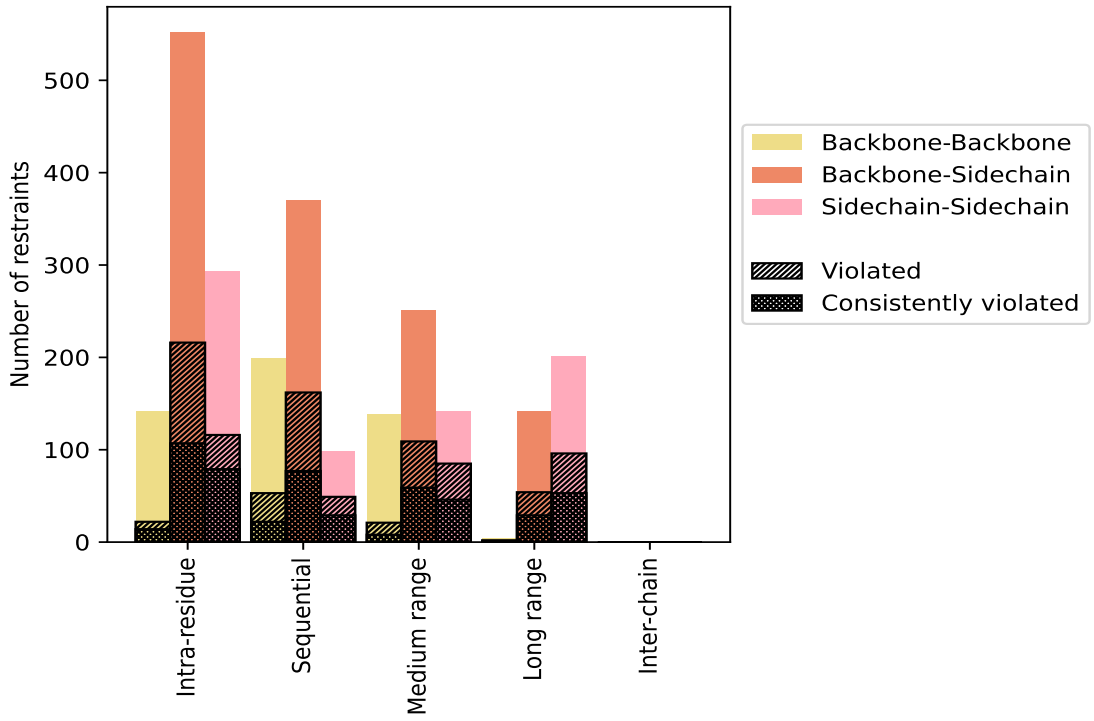
9.1 Summary of distance violations (i)

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)	987	39.0	354	35.9	14.0	200	20.3	7.9
Backbone-Backbone	142	5.6	22	15.5	0.9	14	9.9	0.6
Backbone-Sidechain	552	21.8	216	39.1	8.5	107	19.4	4.2
Sidechain-Sidechain	293	11.6	116	39.6	4.6	79	27.0	3.1
Sequential (|i-j|=1)	667	26.4	264	39.6	10.4	128	19.2	5.1
Backbone-Backbone	199	7.9	53	26.6	2.1	22	11.1	0.9
Backbone-Sidechain	370	14.6	162	43.8	6.4	77	20.8	3.0
Sidechain-Sidechain	98	3.9	49	50.0	1.9	29	29.6	1.1
Medium range (|i-j|>1 & |i-j|<5)	531	21.0	215	40.5	8.5	113	21.3	4.5
Backbone-Backbone	138	5.5	21	15.2	0.8	8	5.8	0.3
Backbone-Sidechain	251	9.9	109	43.4	4.3	59	23.5	2.3
Sidechain-Sidechain	142	5.6	85	59.9	3.4	46	32.4	1.8
Long range (|i-j|≥5)	346	13.7	152	43.9	6.0	83	24.0	3.3
Backbone-Backbone	4	0.2	2	50.0	0.1	1	25.0	0.0
Backbone-Sidechain	141	5.6	54	38.3	2.1	29	20.6	1.1
Sidechain-Sidechain	201	7.9	96	47.8	3.8	53	26.4	2.1
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	2531	100.0	985	38.9	38.9	524	20.7	20.7
Backbone-Backbone	483	19.1	98	20.3	3.9	45	9.3	1.8
Backbone-Sidechain	1314	51.9	541	41.2	21.4	272	20.7	10.7
Sidechain-Sidechain	734	29.0	346	47.1	13.7	207	28.2	8.2

[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	272	195	157	121	0	745	0.55	3.53	0.45	0.43
2	270	191	168	113	0	742	0.55	3.17	0.44	0.44
3	275	192	162	122	0	751	0.55	3.25	0.46	0.42
4	275	190	159	116	0	740	0.56	3.23	0.44	0.44
5	270	194	162	118	0	744	0.56	3.56	0.47	0.45
6	268	197	154	115	0	734	0.56	3.71	0.46	0.44
7	268	193	167	118	0	746	0.55	3.65	0.45	0.44
8	264	185	157	113	0	719	0.56	3.46	0.44	0.44
9	277	201	164	120	0	762	0.55	3.14	0.44	0.43
10	274	199	166	117	0	756	0.55	3.12	0.44	0.45

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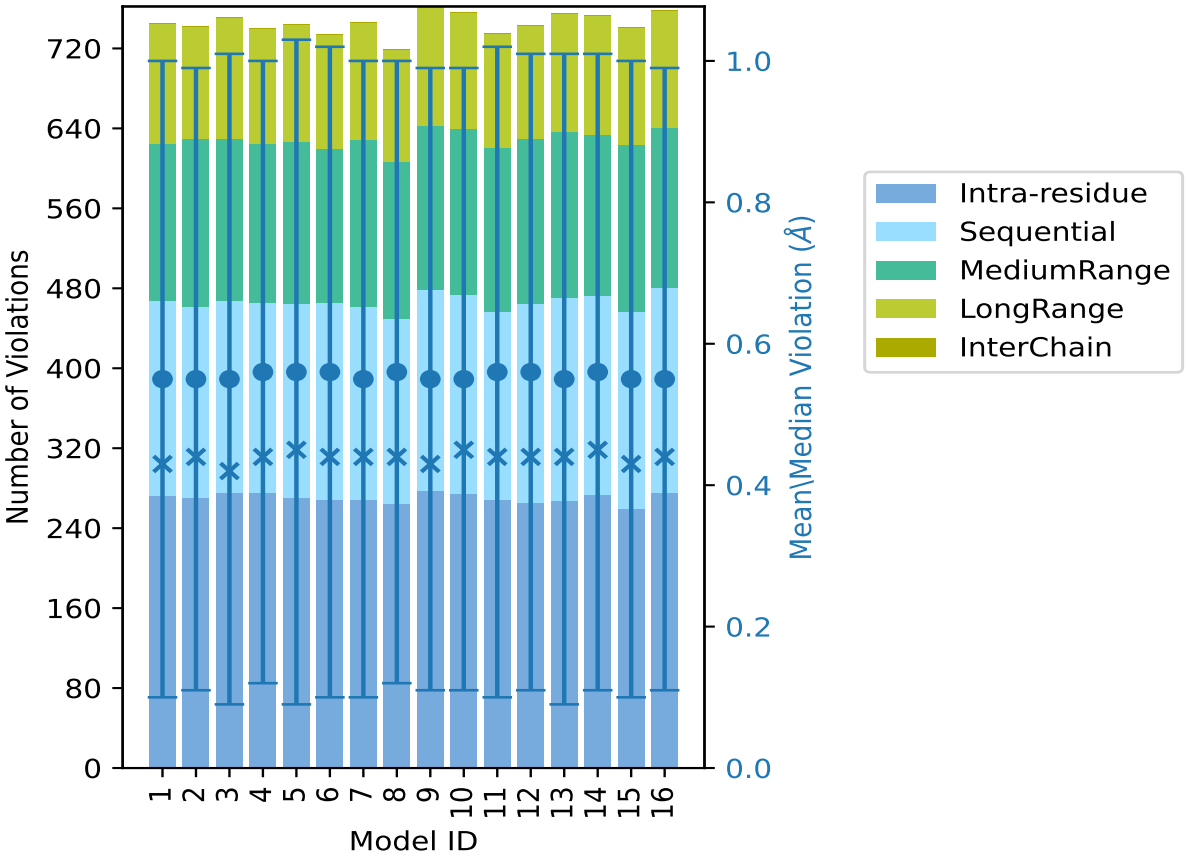
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	268	188	164	115	0	735	0.56	3.21	0.46	0.44
12	265	199	165	114	0	743	0.56	3.3	0.45	0.44
13	267	203	166	119	0	755	0.55	3.81	0.46	0.44
14	273	199	161	120	0	753	0.56	3.36	0.45	0.45
15	259	197	167	118	0	741	0.55	3.3	0.45	0.43
16	275	205	160	118	0	758	0.55	3.38	0.44	0.44

[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

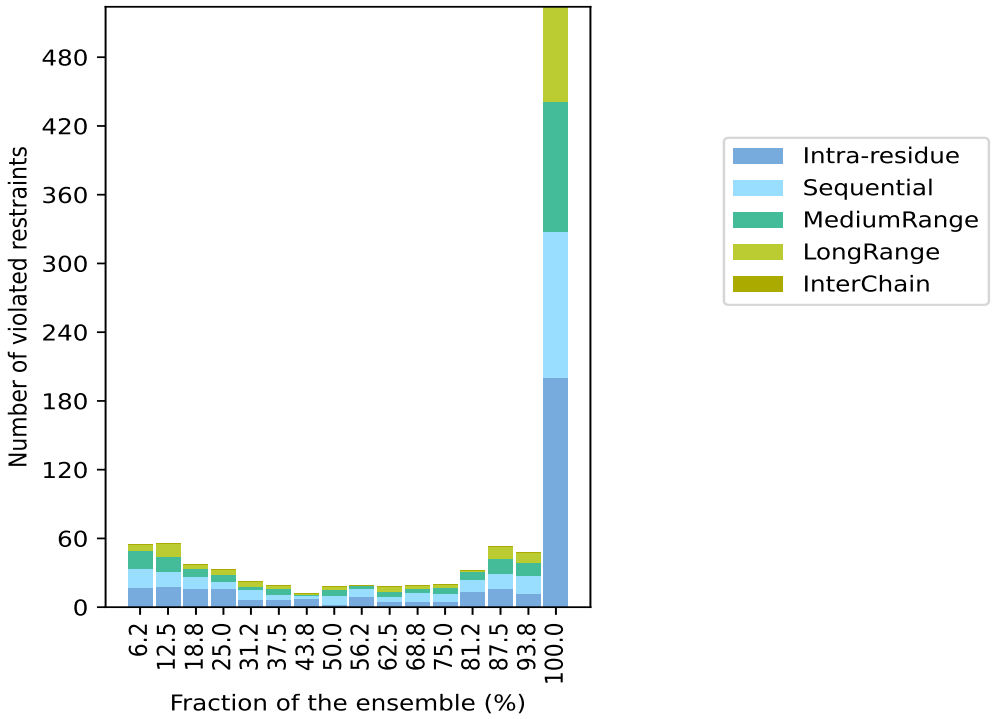
9.3 Distance violation statistics for the ensemble (i)

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, 1546(IR:633, SQ:403, MR:316, LR:194, IC:0) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
17	17	15	6	0	55	1	6.2
18	13	13	12	0	56	2	12.5
16	11	7	3	0	37	3	18.8
16	6	6	5	0	33	4	25.0
7	8	3	4	0	22	5	31.2
6	5	5	3	0	19	6	37.5
7	3	1	1	0	12	7	43.8
2	8	5	3	0	18	8	50.0
9	7	3	0	0	19	9	56.2
5	4	4	5	0	18	10	62.5
5	8	3	3	0	19	11	68.8
5	7	5	3	0	20	12	75.0
13	11	7	1	0	32	13	81.2
16	13	13	11	0	53	14	87.5
12	15	12	9	0	48	15	93.8
200	128	113	83	0	524	16	100.0

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

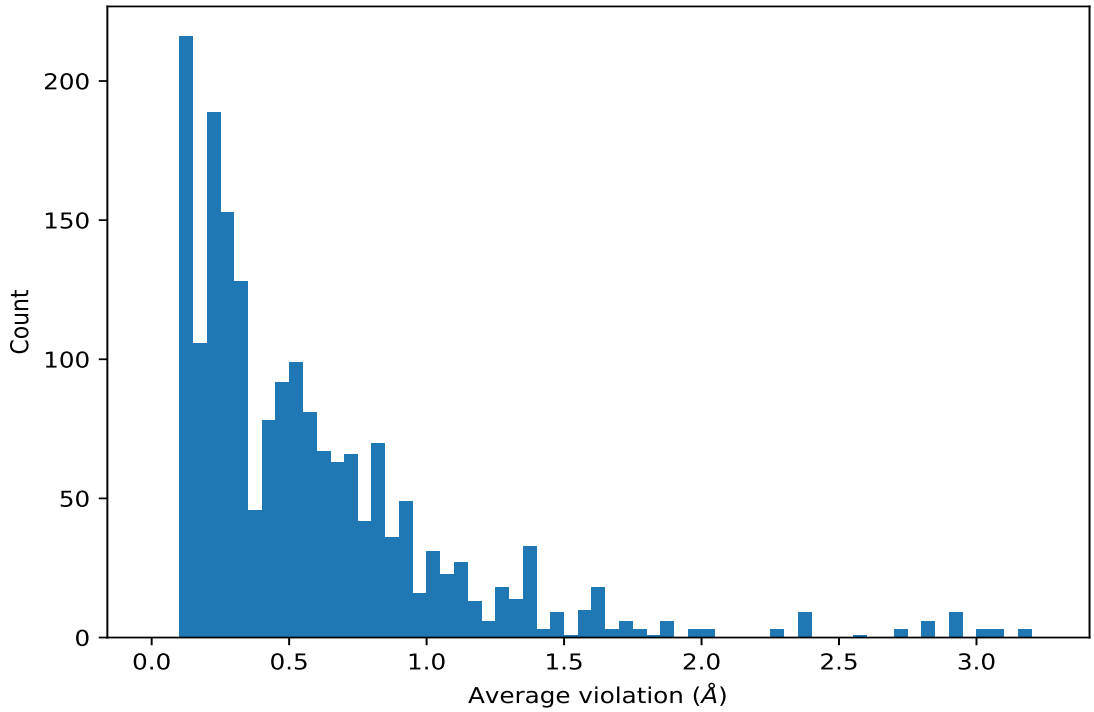
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD21	16	3.17	0.1	3.15
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD22	16	3.17	0.1	3.15
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD23	16	3.17	0.1	3.15
(2,1797)	1:99:A:THR:HG21	1:95:A:HIS:HD2	16	3.09	0.47	3.26
(2,1797)	1:99:A:THR:HG22	1:95:A:HIS:HD2	16	3.09	0.47	3.26
(2,1797)	1:99:A:THR:HG23	1:95:A:HIS:HD2	16	3.09	0.47	3.26
(2,683)	1:29:A:VAL:HG11	1:28:A:LEU:HB2	16	3.04	0.01	3.04
(2,683)	1:29:A:VAL:HG12	1:28:A:LEU:HB2	16	3.04	0.01	3.04
(2,683)	1:29:A:VAL:HG13	1:28:A:LEU:HB2	16	3.04	0.01	3.04
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD11	16	2.93	0.02	2.93
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD12	16	2.93	0.02	2.93
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD13	16	2.93	0.02	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD11	16	2.93	0.02	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD12	16	2.93	0.02	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD13	16	2.93	0.02	2.93
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD11	16	2.93	0.02	2.93

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD12	16	2.93	0.02	2.93
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD13	16	2.93	0.02	2.93
(2,647)	1:28:A:LEU:HD21	1:32:A:ALA:HA	16	2.82	0.03	2.82
(2,647)	1:28:A:LEU:HD22	1:32:A:ALA:HA	16	2.82	0.03	2.82
(2,647)	1:28:A:LEU:HD23	1:32:A:ALA:HA	16	2.82	0.03	2.82
(2,1794)	1:99:A:THR:HG21	1:101:A:SER:HB2	16	2.82	0.65	3.1
(2,1794)	1:99:A:THR:HG22	1:101:A:SER:HB2	16	2.82	0.65	3.1
(2,1794)	1:99:A:THR:HG23	1:101:A:SER:HB2	16	2.82	0.65	3.1
(2,646)	1:28:A:LEU:HD21	1:33:A:THR:H	16	2.72	0.03	2.73
(2,646)	1:28:A:LEU:HD22	1:33:A:THR:H	16	2.72	0.03	2.73
(2,646)	1:28:A:LEU:HD23	1:33:A:THR:H	16	2.72	0.03	2.73
(2,1287)	1:66:A:ASN:HA	1:68:A:LEU:HB3	16	2.58	0.11	2.62
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB1	16	2.38	0.06	2.37
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB2	16	2.38	0.06	2.37
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB3	16	2.38	0.06	2.37
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB1	16	2.38	0.06	2.37
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB2	16	2.38	0.06	2.37
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB3	16	2.38	0.06	2.37
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB1	16	2.38	0.06	2.37
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB2	16	2.38	0.06	2.37
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB3	16	2.38	0.06	2.37
(2,677)	1:29:A:VAL:HG11	1:28:A:LEU:HA	16	2.3	0.0	2.3
(2,677)	1:29:A:VAL:HG12	1:28:A:LEU:HA	16	2.3	0.0	2.3
(2,677)	1:29:A:VAL:HG13	1:28:A:LEU:HA	16	2.3	0.0	2.3
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD21	16	1.96	0.07	1.94
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD22	16	1.96	0.07	1.94
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD23	16	1.96	0.07	1.94
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD21	16	1.86	0.07	1.87
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD22	16	1.86	0.07	1.87
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD23	16	1.86	0.07	1.87
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD11	16	1.85	0.01	1.85
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD12	16	1.85	0.01	1.85
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD13	16	1.85	0.01	1.85
(2,1302)	1:66:A:ASN:HB3	1:65:A:ARG:H	16	1.84	0.06	1.86
(2,852)	1:74:A:LEU:HD21	1:73:A:GLY:HA2	16	1.76	0.52	1.94
(2,852)	1:74:A:LEU:HD22	1:73:A:GLY:HA2	16	1.76	0.52	1.94
(2,852)	1:74:A:LEU:HD23	1:73:A:GLY:HA2	16	1.76	0.52	1.94
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG11	16	1.74	0.06	1.74
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG12	16	1.74	0.06	1.74
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG13	16	1.74	0.06	1.74
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD21	16	1.72	0.65	1.33
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD22	16	1.72	0.65	1.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD23	16	1.72	0.65	1.33
(2,688)	1:29:A:VAL:HG11	1:28:A:LEU:H	16	1.66	0.01	1.66
(2,688)	1:29:A:VAL:HG12	1:28:A:LEU:H	16	1.66	0.01	1.66
(2,688)	1:29:A:VAL:HG13	1:28:A:LEU:H	16	1.66	0.01	1.66
(2,568)	1:28:A:LEU:HD11	1:25:A:LEU:HB3	16	1.65	0.02	1.66
(2,568)	1:28:A:LEU:HD12	1:25:A:LEU:HB3	16	1.65	0.02	1.66
(2,568)	1:28:A:LEU:HD13	1:25:A:LEU:HB3	16	1.65	0.02	1.66
(2,105)	1:5:A:ALA:HB1	1:3:A:ALA:HA	16	1.65	0.55	1.72
(2,105)	1:5:A:ALA:HB2	1:3:A:ALA:HA	16	1.65	0.55	1.72
(2,105)	1:5:A:ALA:HB3	1:3:A:ALA:HA	16	1.65	0.55	1.72
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD21	16	1.63	0.16	1.63
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD22	16	1.63	0.16	1.63
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD23	16	1.63	0.16	1.63
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD21	16	1.6	0.04	1.6
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD22	16	1.6	0.04	1.6
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD23	16	1.6	0.04	1.6
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD21	16	1.6	0.04	1.6
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD22	16	1.6	0.04	1.6
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD23	16	1.6	0.04	1.6
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD21	16	1.6	0.04	1.6
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD22	16	1.6	0.04	1.6
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD23	16	1.6	0.04	1.6
(2,109)	1:6:A:ALA:HB1	1:8:A:ASP:HB3	16	1.57	0.09	1.6
(2,109)	1:6:A:ALA:HB2	1:8:A:ASP:HB3	16	1.57	0.09	1.6
(2,109)	1:6:A:ALA:HB3	1:8:A:ASP:HB3	16	1.57	0.09	1.6
(2,1322)	1:68:A:LEU:HG	1:64:A:LEU:HG	16	1.56	0.62	1.35
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG21	16	1.46	0.07	1.44
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG22	16	1.46	0.07	1.44
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG23	16	1.46	0.07	1.44
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG21	16	1.46	0.07	1.44
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG22	16	1.46	0.07	1.44
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG23	16	1.46	0.07	1.44
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG21	16	1.46	0.07	1.44
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG22	16	1.46	0.07	1.44
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG23	16	1.46	0.07	1.44
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD11	16	1.43	0.3	1.52
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD12	16	1.43	0.3	1.52
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD13	16	1.43	0.3	1.52
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG11	16	1.38	0.01	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG12	16	1.38	0.01	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG13	16	1.38	0.01	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG11	16	1.38	0.01	1.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG12	16	1.38	0.01	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG13	16	1.38	0.01	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG11	16	1.38	0.01	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG12	16	1.38	0.01	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG13	16	1.38	0.01	1.38
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB1	16	1.37	0.08	1.36
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB2	16	1.37	0.08	1.36
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB3	16	1.37	0.08	1.36
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB1	16	1.37	0.08	1.36
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB2	16	1.37	0.08	1.36
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB3	16	1.37	0.08	1.36
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB1	16	1.37	0.08	1.36
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB2	16	1.37	0.08	1.36
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB3	16	1.37	0.08	1.36
(2,1260)	1:64:A:LEU:HD21	1:61:A:ALA:HA	16	1.36	0.04	1.38
(2,1260)	1:64:A:LEU:HD22	1:61:A:ALA:HA	16	1.36	0.04	1.38
(2,1260)	1:64:A:LEU:HD23	1:61:A:ALA:HA	16	1.36	0.04	1.38
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD11	16	1.35	0.03	1.36
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD12	16	1.35	0.03	1.36
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD13	16	1.35	0.03	1.36
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD11	16	1.35	0.03	1.36
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD12	16	1.35	0.03	1.36
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD13	16	1.35	0.03	1.36
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD11	16	1.35	0.03	1.36
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD12	16	1.35	0.03	1.36
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD13	16	1.35	0.03	1.36
(2,1558)	1:82:A:PHE:HA	1:85:A:PRO:HB2	16	1.33	0.19	1.35
(2,1321)	1:68:A:LEU:HG	1:64:A:LEU:HB2	16	1.32	0.41	1.19
(2,1785)	1:98:A:LEU:HD11	1:95:A:HIS:HB2	16	1.31	0.25	1.33
(2,1785)	1:98:A:LEU:HD12	1:95:A:HIS:HB2	16	1.31	0.25	1.33
(2,1785)	1:98:A:LEU:HD13	1:95:A:HIS:HB2	16	1.31	0.25	1.33
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD21	16	1.31	0.03	1.31
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD22	16	1.31	0.03	1.31
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD23	16	1.31	0.03	1.31
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD11	16	1.3	0.06	1.31
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD12	16	1.3	0.06	1.31
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD13	16	1.3	0.06	1.31
(2,1672)	1:51:A:PHE:HZ	1:90:A:LEU:HB2	16	1.3	0.12	1.34
(2,789)	1:29:A:VAL:HG21	1:33:A:THR:HG1	16	1.29	0.05	1.3
(2,789)	1:29:A:VAL:HG22	1:33:A:THR:HG1	16	1.29	0.05	1.3
(2,789)	1:29:A:VAL:HG23	1:33:A:THR:HG1	16	1.29	0.05	1.3
(2,1622)	1:29:A:VAL:HG21	1:87:A:PRO:HA	16	1.29	0.09	1.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1622)	1:29:A:VAL:HG22	1:87:A:PRO:HA	16	1.29	0.09	1.28
(2,1622)	1:29:A:VAL:HG23	1:87:A:PRO:HA	16	1.29	0.09	1.28
(2,1269)	1:65:A:ARG:HA	1:64:A:LEU:HG	16	1.28	0.05	1.31
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE1	16	1.28	0.09	1.27
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE2	16	1.28	0.09	1.27
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE1	16	1.28	0.09	1.27
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE2	16	1.28	0.09	1.27
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE1	16	1.28	0.09	1.27
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE2	16	1.28	0.09	1.27
(2,1163)	1:60:A:THR:HA	1:64:A:LEU:HB3	16	1.25	0.04	1.26
(2,1818)	1:5:A:ALA:HB1	1:4:A:SER:HB2	16	1.2	0.24	1.34
(2,1818)	1:5:A:ALA:HB2	1:4:A:SER:HB2	16	1.2	0.24	1.34
(2,1818)	1:5:A:ALA:HB3	1:4:A:SER:HB2	16	1.2	0.24	1.34
(2,171)	1:53:A:ASP:HB2	1:51:A:PHE:HA	16	1.19	0.23	1.12
(2,944)	1:46:A:SER:HA	1:47:A:PRO:HB2	16	1.18	0.02	1.17
(2,493)	1:22:A:GLN:HG3	1:23:A:GLN:H	16	1.17	0.13	1.19
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD11	16	1.16	0.13	1.16
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD12	16	1.16	0.13	1.16
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD13	16	1.16	0.13	1.16
(2,285)	1:13:A:LEU:HA	1:21:A:GLN:HG2	16	1.16	0.09	1.17
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG21	16	1.16	0.49	1.19
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG22	16	1.16	0.49	1.19
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG23	16	1.16	0.49	1.19
(1,259)	1:55:A:GLY:H	1:56:A:ILE:HG13	16	1.14	0.05	1.15
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG21	16	1.14	0.08	1.15
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG22	16	1.14	0.08	1.15
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG23	16	1.14	0.08	1.15
(1,384)	1:71:A:ASN:HD21	1:71:A:ASN:H	16	1.13	0.2	1.19
(2,893)	1:41:A:THR:HB	1:42:A:PRO:HG3	16	1.12	0.15	1.02
(2,15)	1:95:A:HIS:HD2	1:22:A:GLN:HA	16	1.12	0.06	1.13
(2,1478)	1:75:A:ASP:HB2	1:74:A:LEU:HB2	16	1.12	0.18	1.1
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG21	16	1.11	0.12	1.1
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG22	16	1.11	0.12	1.1
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG23	16	1.11	0.12	1.1
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD11	16	1.11	0.06	1.11
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD12	16	1.11	0.06	1.11
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD13	16	1.11	0.06	1.11
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD11	16	1.11	0.06	1.11
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD12	16	1.11	0.06	1.11
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD13	16	1.11	0.06	1.11
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD11	16	1.11	0.06	1.11
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD12	16	1.11	0.06	1.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD13	16	1.11	0.06	1.11
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD11	16	1.11	0.03	1.11
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD12	16	1.11	0.03	1.11
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD13	16	1.11	0.03	1.11
(2,218)	1:10:A:ALA:HA	1:13:A:LEU:HB2	16	1.1	0.03	1.1
(2,539)	1:24:A:THR:HG21	1:28:A:LEU:HG	16	1.1	0.02	1.1
(2,539)	1:24:A:THR:HG22	1:28:A:LEU:HG	16	1.1	0.02	1.1
(2,539)	1:24:A:THR:HG23	1:28:A:LEU:HG	16	1.1	0.02	1.1
(2,1880)	1:90:A:LEU:HD11	1:92:A:GLN:H	16	1.08	0.28	1.0
(2,1880)	1:90:A:LEU:HD12	1:92:A:GLN:H	16	1.08	0.28	1.0
(2,1880)	1:90:A:LEU:HD13	1:92:A:GLN:H	16	1.08	0.28	1.0
(2,562)	1:28:A:LEU:HD11	1:25:A:LEU:HA	16	1.08	0.03	1.08
(2,562)	1:28:A:LEU:HD12	1:25:A:LEU:HA	16	1.08	0.03	1.08
(2,562)	1:28:A:LEU:HD13	1:25:A:LEU:HA	16	1.08	0.03	1.08
(2,620)	1:28:A:LEU:HB2	1:29:A:VAL:HB	16	1.07	0.01	1.08
(1,605)	1:43:A:GLU:H	1:42:A:PRO:HD2	16	1.07	0.14	1.12
(2,1897)	1:32:A:ALA:HB1	1:28:A:LEU:H	16	1.07	0.02	1.08
(2,1897)	1:32:A:ALA:HB2	1:28:A:LEU:H	16	1.07	0.02	1.08
(2,1897)	1:32:A:ALA:HB3	1:28:A:LEU:H	16	1.07	0.02	1.08
(2,797)	1:29:A:VAL:HG21	1:33:A:THR:H	16	1.06	0.02	1.06
(2,797)	1:29:A:VAL:HG22	1:33:A:THR:H	16	1.06	0.02	1.06
(2,797)	1:29:A:VAL:HG23	1:33:A:THR:H	16	1.06	0.02	1.06
(2,247)	1:9:A:LEU:HD11	1:12:A:ARG:HB3	16	1.05	0.08	1.04
(2,247)	1:9:A:LEU:HD12	1:12:A:ARG:HB3	16	1.05	0.08	1.04
(2,247)	1:9:A:LEU:HD13	1:12:A:ARG:HB3	16	1.05	0.08	1.04
(2,1156)	1:60:A:THR:HB	1:59:A:LEU:HB3	16	1.04	0.05	1.02
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD21	16	1.02	0.07	1.02
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD22	16	1.02	0.07	1.02
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD23	16	1.02	0.07	1.02
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD21	16	1.02	0.07	1.02
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD22	16	1.02	0.07	1.02
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD23	16	1.02	0.07	1.02
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD21	16	1.02	0.07	1.02
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD22	16	1.02	0.07	1.02
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD23	16	1.02	0.07	1.02
(1,326)	1:61:A:ALA:H	1:64:A:LEU:HB3	16	1.01	0.06	1.01
(2,973)	1:48:A:ALA:HB1	1:49:A:THR:HB	16	1.01	0.04	1.0
(2,973)	1:48:A:ALA:HB2	1:49:A:THR:HB	16	1.01	0.04	1.0
(2,973)	1:48:A:ALA:HB3	1:49:A:THR:HB	16	1.01	0.04	1.0
(2,216)	1:10:A:ALA:HA	1:12:A:ARG:HB2	16	1.01	0.1	1.0
(2,1076)	1:54:A:LEU:HD21	1:56:A:ILE:H	16	1.0	0.03	1.0
(2,1076)	1:54:A:LEU:HD22	1:56:A:ILE:H	16	1.0	0.03	1.0

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1076)	1:54:A:LEU:HD23	1:56:A:ILE:H	16	1.0	0.03	1.0
(2,990)	1:67:A:THR:HG21	1:70:A:HIS:H	16	1.0	0.04	1.0
(2,990)	1:67:A:THR:HG22	1:70:A:HIS:H	16	1.0	0.04	1.0
(2,990)	1:67:A:THR:HG23	1:70:A:HIS:H	16	1.0	0.04	1.0
(2,1120)	1:56:A:ILE:HG21	1:54:A:LEU:HB3	16	0.99	0.02	1.0
(2,1120)	1:56:A:ILE:HG22	1:54:A:LEU:HB3	16	0.99	0.02	1.0
(2,1120)	1:56:A:ILE:HG23	1:54:A:LEU:HB3	16	0.99	0.02	1.0
(2,444)	1:21:A:GLN:HG3	1:21:A:GLN:H	16	0.99	0.07	1.0
(2,469)	1:22:A:GLN:HA	1:25:A:LEU:HA	16	0.98	0.07	0.98
(2,1498)	1:79:A:THR:HA	1:82:A:PHE:HB2	16	0.98	0.21	1.04
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD21	16	0.98	0.38	1.14
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD22	16	0.98	0.38	1.14
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD23	16	0.98	0.38	1.14
(2,1020)	1:51:A:PHE:HA	1:54:A:LEU:HB2	16	0.96	0.04	0.96
(2,459)	1:20:A:GLN:HB2	1:16:A:LEU:HB3	16	0.95	0.02	0.95
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD11	16	0.95	0.1	0.96
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD12	16	0.95	0.1	0.96
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD13	16	0.95	0.1	0.96
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD11	16	0.95	0.1	0.96
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD12	16	0.95	0.1	0.96
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD13	16	0.95	0.1	0.96
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD11	16	0.95	0.1	0.96
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD12	16	0.95	0.1	0.96
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD13	16	0.95	0.1	0.96
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG21	16	0.95	0.01	0.95
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG22	16	0.95	0.01	0.95
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG23	16	0.95	0.01	0.95
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG21	16	0.95	0.01	0.95
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG22	16	0.95	0.01	0.95
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG23	16	0.95	0.01	0.95
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG21	16	0.95	0.01	0.95
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG22	16	0.95	0.01	0.95
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG23	16	0.95	0.01	0.95
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD21	16	0.94	0.08	0.97
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD22	16	0.94	0.08	0.97
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD23	16	0.94	0.08	0.97
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD21	16	0.94	0.08	0.97
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD22	16	0.94	0.08	0.97
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD23	16	0.94	0.08	0.97
(2,368)	1:17:A:SER:HB3	1:18:A:PRO:HB3	16	0.93	0.61	0.69
(2,1508)	1:72:A:THR:HG21	1:74:A:LEU:HB3	16	0.93	0.08	0.92
(2,1508)	1:72:A:THR:HG22	1:74:A:LEU:HB3	16	0.93	0.08	0.92

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1508)	1:72:A:THR:HG23	1:74:A:LEU:HB3	16	0.93	0.08	0.92
(2,238)	1:50:A:ALA:HB1	1:52:A:LYS:HB3	16	0.92	0.03	0.92
(2,238)	1:50:A:ALA:HB2	1:52:A:LYS:HB3	16	0.92	0.03	0.92
(2,238)	1:50:A:ALA:HB3	1:52:A:LYS:HB3	16	0.92	0.03	0.92
(2,1268)	1:65:A:ARG:HA	1:64:A:LEU:HB2	16	0.92	0.04	0.92
(2,1284)	1:65:A:ARG:HB3	1:66:A:ASN:H	16	0.92	0.03	0.92
(2,1055)	1:52:A:LYS:HG3	1:52:A:LYS:H	16	0.91	0.07	0.9
(2,1578)	1:89:A:ALA:HB1	1:84:A:HIS:HB3	16	0.9	0.03	0.9
(2,1578)	1:89:A:ALA:HB2	1:84:A:HIS:HB3	16	0.9	0.03	0.9
(2,1578)	1:89:A:ALA:HB3	1:84:A:HIS:HB3	16	0.9	0.03	0.9
(2,130)	1:7:A:THR:HB	1:8:A:ASP:H	16	0.9	0.04	0.9
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB1	16	0.9	0.03	0.89
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB2	16	0.9	0.03	0.89
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB3	16	0.9	0.03	0.89
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD11	16	0.89	0.05	0.89
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD12	16	0.89	0.05	0.89
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD13	16	0.89	0.05	0.89
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD11	16	0.89	0.05	0.89
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD12	16	0.89	0.05	0.89
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD13	16	0.89	0.05	0.89
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD11	16	0.89	0.05	0.89
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD12	16	0.89	0.05	0.89
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD13	16	0.89	0.05	0.89
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD11	16	0.89	0.04	0.9
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD12	16	0.89	0.04	0.9
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD13	16	0.89	0.04	0.9
(2,128)	1:7:A:THR:HB	1:8:A:ASP:HA	16	0.88	0.02	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD21	16	0.88	0.01	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD22	16	0.88	0.01	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD23	16	0.88	0.01	0.88
(2,1327)	1:68:A:LEU:HG	1:68:A:LEU:H	16	0.88	0.33	1.08
(2,1518)	1:16:A:LEU:HB3	1:21:A:GLN:HG3	16	0.88	0.05	0.88
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD11	16	0.87	0.04	0.86
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD12	16	0.87	0.04	0.86
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD13	16	0.87	0.04	0.86
(2,381)	1:18:A:PRO:HB2	1:19:A:GLN:H	16	0.86	0.08	0.85
(1,205)	1:48:A:ALA:H	1:47:A:PRO:HD2	16	0.86	0.08	0.88
(2,1670)	1:90:A:LEU:HB3	1:90:A:LEU:HB2	16	0.86	0.0	0.86
(2,1515)	1:16:A:LEU:HB3	1:16:A:LEU:HB2	16	0.86	0.0	0.86
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD21	16	0.85	0.05	0.87
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD22	16	0.85	0.05	0.87
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD23	16	0.85	0.05	0.87

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD21	16	0.85	0.05	0.87
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD22	16	0.85	0.05	0.87
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD23	16	0.85	0.05	0.87
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD21	16	0.85	0.05	0.87
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD22	16	0.85	0.05	0.87
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD23	16	0.85	0.05	0.87
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD21	16	0.85	0.01	0.85
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD22	16	0.85	0.01	0.85
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD23	16	0.85	0.01	0.85
(2,1921)	1:76:A:LEU:HB3	1:76:A:LEU:HB2	16	0.85	0.0	0.85
(2,424)	1:21:A:GLN:HB2	1:21:A:GLN:HB3	16	0.85	0.0	0.85
(2,282)	1:13:A:LEU:HA	1:21:A:GLN:HA	16	0.84	0.09	0.84
(2,1343)	1:70:A:HIS:HA	1:73:A:GLY:HA3	16	0.84	0.05	0.84
(2,585)	1:26:A:ALA:HB1	1:22:A:GLN:HB2	16	0.84	0.05	0.84
(2,585)	1:26:A:ALA:HB2	1:22:A:GLN:HB2	16	0.84	0.05	0.84
(2,585)	1:26:A:ALA:HB3	1:22:A:GLN:HB2	16	0.84	0.05	0.84
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD21	16	0.84	0.08	0.83
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD22	16	0.84	0.08	0.83
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD23	16	0.84	0.08	0.83
(2,441)	1:21:A:GLN:HG3	1:21:A:GLN:HG2	16	0.83	0.0	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG21	16	0.83	0.01	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG22	16	0.83	0.01	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG23	16	0.83	0.01	0.83
(2,1080)	1:54:A:LEU:HD11	1:54:A:LEU:HA	16	0.82	0.0	0.82
(2,1080)	1:54:A:LEU:HD12	1:54:A:LEU:HA	16	0.82	0.0	0.82
(2,1080)	1:54:A:LEU:HD13	1:54:A:LEU:HA	16	0.82	0.0	0.82
(2,1011)	1:75:A:ASP:HA	1:74:A:LEU:HG	16	0.82	0.47	0.62
(2,1768)	1:97:A:ARG:HG3	1:96:A:THR:HB	16	0.82	0.16	0.8
(2,1193)	1:62:A:LEU:HB3	1:65:A:ARG:HB2	16	0.82	0.12	0.84
(2,1200)	1:62:A:LEU:HG	1:62:A:LEU:H	16	0.82	0.02	0.82
(2,1624)	1:87:A:PRO:HB2	1:26:A:ALA:HA	16	0.82	0.15	0.81
(2,1647)	1:89:A:ALA:HB1	1:92:A:GLN:HB3	16	0.82	0.02	0.82
(2,1647)	1:89:A:ALA:HB2	1:92:A:GLN:HB3	16	0.82	0.02	0.82
(2,1647)	1:89:A:ALA:HB3	1:92:A:GLN:HB3	16	0.82	0.02	0.82
(2,338)	1:14:A:ASN:HB2	1:14:A:ASN:HD21	16	0.81	0.04	0.8
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD11	16	0.81	0.01	0.81
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD12	16	0.81	0.01	0.81
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD13	16	0.81	0.01	0.81
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD11	16	0.81	0.01	0.81
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD12	16	0.81	0.01	0.81
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD13	16	0.81	0.01	0.81
(2,104)	1:5:A:ALA:HA	1:5:A:ALA:H	16	0.81	0.02	0.81

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,183)	1:12:A:ARG:HA	1:11:A:ALA:H	16	0.8	0.02	0.81
(2,90)	1:4:A:SER:HA	1:5:A:ALA:H	16	0.8	0.15	0.86
(2,203)	1:72:A:THR:HA	1:9:A:LEU:HB2	16	0.8	0.08	0.8
(2,345)	1:15:A:GLY:HA2	1:15:A:GLY:H	16	0.8	0.12	0.83
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD11	16	0.8	0.11	0.8
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD12	16	0.8	0.11	0.8
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD13	16	0.8	0.11	0.8
(2,718)	1:30:A:ALA:HB1	1:27:A:THR:HB	16	0.78	0.05	0.76
(2,718)	1:30:A:ALA:HB2	1:27:A:THR:HB	16	0.78	0.05	0.76
(2,718)	1:30:A:ALA:HB3	1:27:A:THR:HB	16	0.78	0.05	0.76
(2,1649)	1:89:A:ALA:HB1	1:88:A:HIS:HB2	16	0.78	0.01	0.78
(2,1649)	1:89:A:ALA:HB2	1:88:A:HIS:HB2	16	0.78	0.01	0.78
(2,1649)	1:89:A:ALA:HB3	1:88:A:HIS:HB2	16	0.78	0.01	0.78
(1,471)	1:8:A:ASP:H	1:9:A:LEU:H	16	0.77	0.05	0.78
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD21	16	0.77	0.06	0.76
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD22	16	0.77	0.06	0.76
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD23	16	0.77	0.06	0.76
(2,1298)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	16	0.77	0.02	0.77
(1,366)	1:19:A:GLN:H	1:19:A:GLN:HG2	16	0.77	0.09	0.82
(2,1838)	1:13:A:LEU:HD21	1:14:A:ASN:HA	16	0.77	0.06	0.76
(2,1838)	1:13:A:LEU:HD22	1:14:A:ASN:HA	16	0.77	0.06	0.76
(2,1838)	1:13:A:LEU:HD23	1:14:A:ASN:HA	16	0.77	0.06	0.76
(2,320)	1:87:A:PRO:HD2	1:51:A:PHE:HA	16	0.76	0.07	0.72
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD21	16	0.75	0.73	0.39
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD22	16	0.75	0.73	0.39
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD23	16	0.75	0.73	0.39
(2,234)	1:50:A:ALA:HB1	1:51:A:PHE:HB2	16	0.75	0.02	0.74
(2,234)	1:50:A:ALA:HB2	1:51:A:PHE:HB2	16	0.75	0.02	0.74
(2,234)	1:50:A:ALA:HB3	1:51:A:PHE:HB2	16	0.75	0.02	0.74
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB1	16	0.75	0.05	0.73
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB2	16	0.75	0.05	0.73
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB3	16	0.75	0.05	0.73
(2,1528)	1:16:A:LEU:HB3	1:17:A:SER:H	16	0.75	0.04	0.75
(2,1026)	1:51:A:PHE:HB2	1:52:A:LYS:H	16	0.74	0.03	0.75
(2,1106)	1:81:A:ILE:HG21	1:85:A:PRO:HA	16	0.74	0.08	0.75
(2,1106)	1:81:A:ILE:HG22	1:85:A:PRO:HA	16	0.74	0.08	0.75
(2,1106)	1:81:A:ILE:HG23	1:85:A:PRO:HA	16	0.74	0.08	0.75
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB1	16	0.74	0.04	0.74
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB2	16	0.74	0.04	0.74
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB3	16	0.74	0.04	0.74
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD21	16	0.74	0.09	0.72
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD22	16	0.74	0.09	0.72

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD23	16	0.74	0.09	0.72
(2,769)	1:34:A:ALA:HB1	1:42:A:PRO:HG2	16	0.74	0.04	0.74
(2,769)	1:34:A:ALA:HB2	1:42:A:PRO:HG2	16	0.74	0.04	0.74
(2,769)	1:34:A:ALA:HB3	1:42:A:PRO:HG2	16	0.74	0.04	0.74
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD21	16	0.73	0.05	0.73
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD22	16	0.73	0.05	0.73
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD23	16	0.73	0.05	0.73
(2,534)	1:24:A:THR:HB	1:23:A:GLN:HB3	16	0.73	0.04	0.74
(2,1696)	1:91:A:THR:HA	1:25:A:LEU:HB3	16	0.73	0.07	0.72
(2,1471)	1:74:A:LEU:HB2	1:74:A:LEU:H	16	0.73	0.07	0.72
(2,318)	1:87:A:PRO:HD3	1:87:A:PRO:HD2	16	0.72	0.01	0.72
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG21	16	0.72	0.04	0.73
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG22	16	0.72	0.04	0.73
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG23	16	0.72	0.04	0.73
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD21	16	0.72	0.02	0.72
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD22	16	0.72	0.02	0.72
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD23	16	0.72	0.02	0.72
(2,1675)	1:90:A:LEU:HB2	1:90:A:LEU:H	16	0.72	0.08	0.75
(2,1451)	1:88:A:HIS:HB3	1:88:A:HIS:HD2	16	0.72	0.01	0.72
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB1	16	0.72	0.03	0.71
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB2	16	0.72	0.03	0.71
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB3	16	0.72	0.03	0.71
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD11	16	0.72	0.06	0.72
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD12	16	0.72	0.06	0.72
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD13	16	0.72	0.06	0.72
(2,60)	1:81:A:ILE:HD11	1:64:A:LEU:HG	16	0.71	0.03	0.7
(2,60)	1:81:A:ILE:HD12	1:64:A:LEU:HG	16	0.71	0.03	0.7
(2,60)	1:81:A:ILE:HD13	1:64:A:LEU:HG	16	0.71	0.03	0.7
(2,1645)	1:89:A:ALA:HB1	1:90:A:LEU:HB3	16	0.71	0.04	0.71
(2,1645)	1:89:A:ALA:HB2	1:90:A:LEU:HB3	16	0.71	0.04	0.71
(2,1645)	1:89:A:ALA:HB3	1:90:A:LEU:HB3	16	0.71	0.04	0.71
(1,191)	1:62:A:LEU:H	1:65:A:ARG:HB2	16	0.71	0.17	0.72
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG21	16	0.71	0.02	0.71
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG22	16	0.71	0.02	0.71
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG23	16	0.71	0.02	0.71
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG21	16	0.71	0.02	0.71
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG22	16	0.71	0.02	0.71
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG23	16	0.71	0.02	0.71
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG21	16	0.71	0.02	0.71
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG22	16	0.71	0.02	0.71
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG23	16	0.71	0.02	0.71
(2,454)	1:20:A:GLN:HB2	1:17:A:SER:H	16	0.71	0.08	0.72

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1549)	1:81:A:ILE:HB	1:82:A:PHE:H	16	0.71	0.05	0.7
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD21	16	0.7	0.12	0.72
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD22	16	0.7	0.12	0.72
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD23	16	0.7	0.12	0.72
(2,1369)	1:97:A:ARG:HB2	1:97:A:ARG:H	16	0.7	0.04	0.71
(2,1522)	1:16:A:LEU:HB2	1:13:A:LEU:HA	16	0.7	0.07	0.7
(2,117)	1:6:A:ALA:HA	1:4:A:SER:HA	16	0.7	0.19	0.72
(1,469)	1:8:A:ASP:H	1:7:A:THR:HB	16	0.7	0.04	0.7
(2,101)	1:5:A:ALA:HA	1:8:A:ASP:HB2	16	0.7	0.05	0.72
(2,939)	1:45:A:ILE:HG21	1:33:A:THR:HB	16	0.7	0.04	0.71
(2,939)	1:45:A:ILE:HG22	1:33:A:THR:HB	16	0.7	0.04	0.71
(2,939)	1:45:A:ILE:HG23	1:33:A:THR:HB	16	0.7	0.04	0.71
(2,1740)	1:94:A:LEU:HA	1:97:A:ARG:HB2	16	0.7	0.05	0.71
(2,425)	1:21:A:GLN:HB3	1:21:A:GLN:HG2	16	0.7	0.02	0.69
(2,1442)	1:88:A:HIS:HB3	1:89:A:ALA:H	16	0.69	0.02	0.7
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD11	16	0.68	0.2	0.62
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD12	16	0.68	0.2	0.62
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD13	16	0.68	0.2	0.62
(2,1684)	1:90:A:LEU:HD21	1:91:A:THR:HA	16	0.68	0.11	0.66
(2,1684)	1:90:A:LEU:HD22	1:91:A:THR:HA	16	0.68	0.11	0.66
(2,1684)	1:90:A:LEU:HD23	1:91:A:THR:HA	16	0.68	0.11	0.66
(2,1614)	1:87:A:PRO:HA	1:51:A:PHE:HZ	16	0.68	0.03	0.68
(2,65)	1:81:A:ILE:HD11	1:56:A:ILE:HG12	16	0.67	0.11	0.68
(2,65)	1:81:A:ILE:HD12	1:56:A:ILE:HG12	16	0.67	0.11	0.68
(2,65)	1:81:A:ILE:HD13	1:56:A:ILE:HG12	16	0.67	0.11	0.68
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG21	16	0.66	0.02	0.66
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG22	16	0.66	0.02	0.66
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG23	16	0.66	0.02	0.66
(2,1212)	1:63:A:GLU:HA	1:66:A:ASN:HD21	16	0.66	0.12	0.66
(2,1068)	1:54:A:LEU:HB3	1:54:A:LEU:HB2	16	0.65	0.0	0.65
(2,1469)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	16	0.65	0.0	0.65
(2,835)	1:37:A:LEU:HB2	1:37:A:LEU:HB3	16	0.65	0.0	0.65
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD21	16	0.65	0.1	0.64
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD22	16	0.65	0.1	0.64
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD23	16	0.65	0.1	0.64
(2,1577)	1:84:A:HIS:HB3	1:84:A:HIS:HB2	16	0.65	0.0	0.65
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG21	16	0.65	0.07	0.66
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG22	16	0.65	0.07	0.66
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG23	16	0.65	0.07	0.66
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG21	16	0.65	0.07	0.66
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG22	16	0.65	0.07	0.66
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG23	16	0.65	0.07	0.66

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1122)	1:56:A:ILE:HG21	1:51:A:PHE:HB3	16	0.65	0.04	0.65
(2,1122)	1:56:A:ILE:HG22	1:51:A:PHE:HB3	16	0.65	0.04	0.65
(2,1122)	1:56:A:ILE:HG23	1:51:A:PHE:HB3	16	0.65	0.04	0.65
(2,1571)	1:84:A:HIS:HD2	1:83:A:ASP:HB3	16	0.65	0.03	0.65
(2,1376)	1:97:A:ARG:HB2	1:97:A:ARG:HB3	16	0.65	0.0	0.65
(2,322)	1:87:A:PRO:HD2	1:88:A:HIS:H	16	0.64	0.02	0.64
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD21	16	0.64	0.06	0.64
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD22	16	0.64	0.06	0.64
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD23	16	0.64	0.06	0.64
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD21	16	0.64	0.06	0.64
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD22	16	0.64	0.06	0.64
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD23	16	0.64	0.06	0.64
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD21	16	0.64	0.06	0.64
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD22	16	0.64	0.06	0.64
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD23	16	0.64	0.06	0.64
(2,367)	1:17:A:SER:HB3	1:17:A:SER:HB2	16	0.64	0.0	0.64
(2,1237)	1:64:A:LEU:HB2	1:64:A:LEU:HB3	16	0.64	0.0	0.64
(2,1359)	1:93:A:HIS:HB3	1:93:A:HIS:HB2	16	0.64	0.0	0.64
(2,1413)	1:56:A:ILE:HD11	1:51:A:PHE:HB2	16	0.64	0.02	0.64
(2,1413)	1:56:A:ILE:HD12	1:51:A:PHE:HB2	16	0.64	0.02	0.64
(2,1413)	1:56:A:ILE:HD13	1:51:A:PHE:HB2	16	0.64	0.02	0.64
(2,649)	1:28:A:LEU:HD21	1:71:A:ASN:HB2	16	0.63	0.05	0.62
(2,649)	1:28:A:LEU:HD22	1:71:A:ASN:HB2	16	0.63	0.05	0.62
(2,649)	1:28:A:LEU:HD23	1:71:A:ASN:HB2	16	0.63	0.05	0.62
(2,1537)	1:98:A:LEU:HB2	1:98:A:LEU:H	16	0.63	0.04	0.62
(2,1893)	1:90:A:LEU:HD21	1:81:A:ILE:HG12	16	0.63	0.06	0.64
(2,1893)	1:90:A:LEU:HD22	1:81:A:ILE:HG12	16	0.63	0.06	0.64
(2,1893)	1:90:A:LEU:HD23	1:81:A:ILE:HG12	16	0.63	0.06	0.64
(2,1401)	1:45:A:ILE:HD11	1:34:A:ALA:HA	16	0.63	0.03	0.62
(2,1401)	1:45:A:ILE:HD12	1:34:A:ALA:HA	16	0.63	0.03	0.62
(2,1401)	1:45:A:ILE:HD13	1:34:A:ALA:HA	16	0.63	0.03	0.62
(2,1392)	1:81:A:ILE:HG12	1:81:A:ILE:H	16	0.62	0.05	0.62
(2,1820)	1:5:A:ALA:HB1	1:5:A:ALA:H	16	0.62	0.02	0.62
(2,1820)	1:5:A:ALA:HB2	1:5:A:ALA:H	16	0.62	0.02	0.62
(2,1820)	1:5:A:ALA:HB3	1:5:A:ALA:H	16	0.62	0.02	0.62
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD1	16	0.62	0.04	0.62
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD2	16	0.62	0.04	0.62
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD1	16	0.62	0.04	0.62
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD2	16	0.62	0.04	0.62
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD1	16	0.62	0.04	0.62
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD2	16	0.62	0.04	0.62
(2,217)	1:10:A:ALA:HA	1:9:A:LEU:HB2	16	0.62	0.02	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,537)	1:24:A:THR:HG21	1:25:A:LEU:HB2	16	0.62	0.05	0.62
(2,537)	1:24:A:THR:HG22	1:25:A:LEU:HB2	16	0.62	0.05	0.62
(2,537)	1:24:A:THR:HG23	1:25:A:LEU:HB2	16	0.62	0.05	0.62
(2,1869)	1:65:A:ARG:HD2	1:65:A:ARG:HE	16	0.61	0.05	0.64
(1,279)	1:14:A:ASN:HD21	1:14:A:ASN:HB2	16	0.61	0.04	0.6
(1,274)	1:81:A:ILE:H	1:80:A:LEU:H	16	0.61	0.05	0.61
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD1	16	0.61	0.07	0.64
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD2	16	0.61	0.07	0.64
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD21	16	0.6	0.1	0.62
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD22	16	0.6	0.1	0.62
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD23	16	0.6	0.1	0.62
(2,313)	1:85:A:PRO:HD2	1:84:A:HIS:HA	16	0.6	0.03	0.6
(2,1192)	1:62:A:LEU:HB2	1:65:A:ARG:HB2	16	0.6	0.14	0.6
(2,153)	1:71:A:ASN:HA	1:70:A:HIS:HB2	16	0.6	0.05	0.6
(2,1529)	1:16:A:LEU:HB3	1:21:A:GLN:H	16	0.6	0.07	0.6
(2,1014)	1:50:A:ALA:HA	1:51:A:PHE:HB3	16	0.6	0.01	0.6
(2,142)	1:33:A:THR:HG21	1:54:A:LEU:HG	16	0.59	0.04	0.6
(2,142)	1:33:A:THR:HG22	1:54:A:LEU:HG	16	0.59	0.04	0.6
(2,142)	1:33:A:THR:HG23	1:54:A:LEU:HG	16	0.59	0.04	0.6
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD21	16	0.59	0.01	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD22	16	0.59	0.01	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD23	16	0.59	0.01	0.59
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB1	16	0.59	0.16	0.65
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB2	16	0.59	0.16	0.65
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB3	16	0.59	0.16	0.65
(2,1575)	1:84:A:HIS:HB2	1:84:A:HIS:H	16	0.59	0.01	0.59
(2,1304)	1:66:A:ASN:HB2	1:66:A:ASN:H	16	0.59	0.05	0.58
(1,576)	1:28:A:LEU:H	1:27:A:THR:H	16	0.58	0.01	0.59
(2,658)	1:29:A:VAL:HA	1:28:A:LEU:HB2	16	0.58	0.01	0.58
(2,850)	1:74:A:LEU:HD21	1:74:A:LEU:HA	16	0.58	0.15	0.64
(2,850)	1:74:A:LEU:HD22	1:74:A:LEU:HA	16	0.58	0.15	0.64
(2,850)	1:74:A:LEU:HD23	1:74:A:LEU:HA	16	0.58	0.15	0.64
(1,584)	1:96:A:THR:H	1:92:A:GLN:HB2	16	0.58	0.05	0.58
(2,1525)	1:16:A:LEU:HB2	1:16:A:LEU:H	16	0.58	0.05	0.56
(2,557)	1:28:A:LEU:HD21	1:32:A:ALA:H	16	0.58	0.03	0.58
(2,557)	1:28:A:LEU:HD22	1:32:A:ALA:H	16	0.58	0.03	0.58
(2,557)	1:28:A:LEU:HD23	1:32:A:ALA:H	16	0.58	0.03	0.58
(2,63)	1:81:A:ILE:HD11	1:64:A:LEU:HB3	16	0.57	0.08	0.6
(2,63)	1:81:A:ILE:HD12	1:64:A:LEU:HB3	16	0.57	0.08	0.6
(2,63)	1:81:A:ILE:HD13	1:64:A:LEU:HB3	16	0.57	0.08	0.6
(2,135)	1:7:A:THR:HG21	1:7:A:THR:H	16	0.57	0.06	0.58
(2,135)	1:7:A:THR:HG22	1:7:A:THR:H	16	0.57	0.06	0.58

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,135)	1:7:A:THR:HG23	1:7:A:THR:H	16	0.57	0.06	0.58
(2,634)	1:28:A:LEU:HG	1:27:A:THR:H	16	0.57	0.01	0.57
(2,888)	1:41:A:THR:HB	1:41:A:THR:HA	16	0.57	0.09	0.56
(1,282)	1:14:A:ASN:HD21	1:11:A:ALA:HA	16	0.57	0.21	0.5
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD11	16	0.57	0.05	0.57
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD12	16	0.57	0.05	0.57
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD13	16	0.57	0.05	0.57
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD11	16	0.57	0.05	0.57
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD12	16	0.57	0.05	0.57
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD13	16	0.57	0.05	0.57
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD11	16	0.57	0.05	0.57
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD12	16	0.57	0.05	0.57
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD13	16	0.57	0.05	0.57
(2,689)	1:62:A:LEU:HD11	1:65:A:ARG:H	16	0.57	0.03	0.58
(2,689)	1:62:A:LEU:HD12	1:65:A:ARG:H	16	0.57	0.03	0.58
(2,689)	1:62:A:LEU:HD13	1:65:A:ARG:H	16	0.57	0.03	0.58
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB1	16	0.57	0.06	0.56
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB2	16	0.57	0.06	0.56
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB3	16	0.57	0.06	0.56
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD11	16	0.56	0.01	0.56
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD12	16	0.56	0.01	0.56
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD13	16	0.56	0.01	0.56
(2,417)	1:21:A:GLN:HB2	1:21:A:GLN:H	16	0.56	0.03	0.56
(2,747)	1:33:A:THR:HA	1:36:A:VAL:H	16	0.56	0.02	0.56
(2,1024)	1:51:A:PHE:HD1	1:51:A:PHE:HB2	16	0.56	0.01	0.56
(2,1024)	1:51:A:PHE:HD2	1:51:A:PHE:HB2	16	0.56	0.01	0.56
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD11	16	0.56	0.04	0.56
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD12	16	0.56	0.04	0.56
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD13	16	0.56	0.04	0.56
(1,558)	1:23:A:GLN:H	1:23:A:GLN:HB3	16	0.56	0.01	0.55
(2,1365)	1:93:A:HIS:HB3	1:94:A:LEU:H	16	0.55	0.03	0.54
(2,1317)	1:68:A:LEU:HB3	1:68:A:LEU:HB2	16	0.55	0.0	0.55
(2,554)	1:25:A:LEU:HB2	1:25:A:LEU:HB3	16	0.55	0.0	0.55
(2,1745)	1:94:A:LEU:HB2	1:94:A:LEU:HB3	16	0.55	0.0	0.55
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB1	16	0.55	0.03	0.56
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB2	16	0.55	0.03	0.56
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB3	16	0.55	0.03	0.56
(2,1296)	1:66:A:ASN:HB2	1:63:A:GLU:HA	16	0.55	0.05	0.55
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB1	16	0.54	0.03	0.54
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB2	16	0.54	0.03	0.54
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB3	16	0.54	0.03	0.54
(2,451)	1:20:A:GLN:HB2	1:20:A:GLN:H	16	0.54	0.02	0.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1751)	1:95:A:HIS:HB3	1:95:A:HIS:HB2	16	0.54	0.0	0.54
(2,1573)	1:83:A:ASP:HB3	1:83:A:ASP:HB2	16	0.54	0.0	0.54
(2,1129)	1:57:A:ASP:HB3	1:57:A:ASP:HB2	16	0.54	0.0	0.54
(2,1866)	1:65:A:ARG:HD3	1:65:A:ARG:HD2	16	0.54	0.0	0.54
(2,1654)	1:89:A:ALA:HB1	1:86:A:THR:H	16	0.54	0.04	0.55
(2,1654)	1:89:A:ALA:HB2	1:86:A:THR:H	16	0.54	0.04	0.55
(2,1654)	1:89:A:ALA:HB3	1:86:A:THR:H	16	0.54	0.04	0.55
(2,1521)	1:16:A:LEU:HB2	1:21:A:GLN:HG2	16	0.53	0.11	0.54
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB1	16	0.53	0.01	0.53
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB2	16	0.53	0.01	0.53
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB3	16	0.53	0.01	0.53
(2,427)	1:21:A:GLN:HB2	1:21:A:GLN:HG3	16	0.52	0.02	0.52
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD11	16	0.52	0.44	0.36
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD12	16	0.52	0.44	0.36
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD13	16	0.52	0.44	0.36
(2,1075)	1:54:A:LEU:HD21	1:45:A:ILE:HG13	16	0.52	0.09	0.52
(2,1075)	1:54:A:LEU:HD22	1:45:A:ILE:HG13	16	0.52	0.09	0.52
(2,1075)	1:54:A:LEU:HD23	1:45:A:ILE:HG13	16	0.52	0.09	0.52
(2,1863)	1:65:A:ARG:HD3	1:65:A:ARG:HE	16	0.52	0.14	0.46
(1,143)	1:49:A:THR:H	1:50:A:ALA:H	16	0.52	0.05	0.52
(1,557)	1:23:A:GLN:H	1:23:A:GLN:HG3	16	0.52	0.04	0.52
(2,513)	1:23:A:GLN:HG3	1:23:A:GLN:H	16	0.52	0.04	0.52
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB1	16	0.52	0.01	0.52
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB2	16	0.52	0.01	0.52
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB3	16	0.52	0.01	0.52
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG21	16	0.51	0.15	0.52
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG22	16	0.51	0.15	0.52
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG23	16	0.51	0.15	0.52
(2,423)	1:18:A:PRO:HA	1:21:A:GLN:HB2	16	0.51	0.06	0.51
(2,1074)	1:54:A:LEU:HD21	1:54:A:LEU:HA	16	0.51	0.02	0.52
(2,1074)	1:54:A:LEU:HD22	1:54:A:LEU:HA	16	0.51	0.02	0.52
(2,1074)	1:54:A:LEU:HD23	1:54:A:LEU:HA	16	0.51	0.02	0.52
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD21	16	0.51	0.01	0.51
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD22	16	0.51	0.01	0.51
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD23	16	0.51	0.01	0.51
(2,1239)	1:64:A:LEU:HB2	1:64:A:LEU:H	16	0.51	0.02	0.51
(1,349)	1:17:A:SER:H	1:20:A:GLN:HB2	16	0.51	0.08	0.52
(2,1103)	1:81:A:ILE:HG21	1:51:A:PHE:HB3	16	0.51	0.03	0.51
(2,1103)	1:81:A:ILE:HG22	1:51:A:PHE:HB3	16	0.51	0.03	0.51
(2,1103)	1:81:A:ILE:HG23	1:51:A:PHE:HB3	16	0.51	0.03	0.51
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD21	16	0.5	0.08	0.5
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD22	16	0.5	0.08	0.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD23	16	0.5	0.08	0.5
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD21	16	0.5	0.08	0.5
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD22	16	0.5	0.08	0.5
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD23	16	0.5	0.08	0.5
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD21	16	0.5	0.08	0.5
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD22	16	0.5	0.08	0.5
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD23	16	0.5	0.08	0.5
(2,838)	1:37:A:LEU:HG	1:37:A:LEU:HB2	16	0.5	0.01	0.5
(2,73)	1:81:A:ILE:HD11	1:51:A:PHE:HA	16	0.49	0.08	0.5
(2,73)	1:81:A:ILE:HD12	1:51:A:PHE:HA	16	0.49	0.08	0.5
(2,73)	1:81:A:ILE:HD13	1:51:A:PHE:HA	16	0.49	0.08	0.5
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG21	16	0.49	0.09	0.5
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG22	16	0.49	0.09	0.5
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG23	16	0.49	0.09	0.5
(2,622)	1:28:A:LEU:HB3	1:25:A:LEU:HA	16	0.49	0.02	0.49
(2,818)	1:36:A:VAL:HG11	1:63:A:GLU:HB2	16	0.49	0.03	0.5
(2,818)	1:36:A:VAL:HG12	1:63:A:GLU:HB2	16	0.49	0.03	0.5
(2,818)	1:36:A:VAL:HG13	1:63:A:GLU:HB2	16	0.49	0.03	0.5
(2,567)	1:28:A:LEU:HD11	1:28:A:LEU:HG	16	0.49	0.0	0.49
(2,567)	1:28:A:LEU:HD12	1:28:A:LEU:HG	16	0.49	0.0	0.49
(2,567)	1:28:A:LEU:HD13	1:28:A:LEU:HG	16	0.49	0.0	0.49
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG21	16	0.49	0.05	0.5
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG22	16	0.49	0.05	0.5
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG23	16	0.49	0.05	0.5
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG21	16	0.49	0.05	0.5
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG22	16	0.49	0.05	0.5
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG23	16	0.49	0.05	0.5
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD11	16	0.49	0.03	0.48
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD12	16	0.49	0.03	0.48
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD13	16	0.49	0.03	0.48
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD11	16	0.49	0.03	0.48
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD12	16	0.49	0.03	0.48
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD13	16	0.49	0.03	0.48
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD11	16	0.49	0.03	0.48
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD12	16	0.49	0.03	0.48
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD13	16	0.49	0.03	0.48
(1,318)	1:9:A:LEU:H	1:9:A:LEU:HG	16	0.49	0.01	0.49
(2,434)	1:21:A:GLN:HB3	1:21:A:GLN:HA	16	0.48	0.01	0.48
(2,1332)	1:94:A:LEU:HG	1:94:A:LEU:H	16	0.48	0.03	0.47
(2,460)	1:16:A:LEU:HD21	1:20:A:GLN:HB3	16	0.48	0.05	0.49
(2,460)	1:16:A:LEU:HD22	1:20:A:GLN:HB3	16	0.48	0.05	0.49
(2,460)	1:16:A:LEU:HD23	1:20:A:GLN:HB3	16	0.48	0.05	0.49

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1641)	1:88:A:HIS:HB3	1:47:A:PRO:HB3	16	0.48	0.04	0.48
(2,1423)	1:93:A:HIS:HD2	1:93:A:HIS:HB3	16	0.48	0.02	0.48
(2,952)	1:47:A:PRO:HB3	1:48:A:ALA:HA	16	0.48	0.01	0.48
(2,1625)	1:87:A:PRO:HB2	1:88:A:HIS:H	16	0.48	0.04	0.48
(2,1016)	1:50:A:ALA:HA	1:50:A:ALA:H	16	0.48	0.0	0.48
(1,396)	1:7:A:THR:H	1:7:A:THR:HG21	16	0.47	0.06	0.48
(1,396)	1:7:A:THR:H	1:7:A:THR:HG22	16	0.47	0.06	0.48
(1,396)	1:7:A:THR:H	1:7:A:THR:HG23	16	0.47	0.06	0.48
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB1	16	0.47	0.01	0.47
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB2	16	0.47	0.01	0.47
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB3	16	0.47	0.01	0.47
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD1	16	0.46	0.03	0.46
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD2	16	0.46	0.03	0.46
(1,262)	1:55:A:GLY:H	1:56:A:ILE:H	16	0.46	0.03	0.46
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG21	16	0.46	0.04	0.46
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG22	16	0.46	0.04	0.46
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG23	16	0.46	0.04	0.46
(2,1858)	1:25:A:LEU:HG	1:21:A:GLN:HA	16	0.46	0.08	0.44
(2,1530)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	16	0.46	0.01	0.46
(2,911)	1:43:A:GLU:HB2	1:43:A:GLU:H	16	0.46	0.09	0.48
(2,648)	1:28:A:LEU:HD21	1:71:A:ASN:HB3	16	0.46	0.09	0.44
(2,648)	1:28:A:LEU:HD22	1:71:A:ASN:HB3	16	0.46	0.09	0.44
(2,648)	1:28:A:LEU:HD23	1:71:A:ASN:HB3	16	0.46	0.09	0.44
(2,179)	1:8:A:ASP:HB2	1:8:A:ASP:H	16	0.46	0.03	0.45
(2,508)	1:23:A:GLN:HB3	1:20:A:GLN:HA	16	0.45	0.1	0.44
(2,715)	1:30:A:ALA:HB1	1:45:A:ILE:HB	16	0.45	0.02	0.45
(2,715)	1:30:A:ALA:HB2	1:45:A:ILE:HB	16	0.45	0.02	0.45
(2,715)	1:30:A:ALA:HB3	1:45:A:ILE:HB	16	0.45	0.02	0.45
(2,302)	1:13:A:LEU:HB2	1:13:A:LEU:HB3	16	0.45	0.0	0.45
(2,1519)	1:16:A:LEU:HB2	1:21:A:GLN:HG3	16	0.45	0.12	0.46
(2,199)	1:9:A:LEU:HB3	1:9:A:LEU:HB2	16	0.45	0.0	0.45
(2,1463)	1:73:A:GLY:HA2	1:73:A:GLY:HA3	16	0.45	0.0	0.45
(2,1386)	1:81:A:ILE:HG13	1:81:A:ILE:HG12	16	0.45	0.0	0.45
(2,1294)	1:66:A:ASN:HB2	1:66:A:ASN:HB3	16	0.45	0.0	0.45
(1,113)	1:88:A:HIS:H	1:87:A:PRO:HD2	16	0.44	0.02	0.44
(2,865)	1:38:A:GLY:HA2	1:38:A:GLY:HA3	16	0.44	0.0	0.44
(1,336)	1:29:A:VAL:H	1:28:A:LEU:HB2	16	0.44	0.01	0.44
(2,1564)	1:82:A:PHE:HB3	1:82:A:PHE:HB2	16	0.44	0.0	0.44
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD21	16	0.44	0.04	0.43
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD22	16	0.44	0.04	0.43
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD23	16	0.44	0.04	0.43
(2,299)	1:13:A:LEU:HB2	1:14:A:ASN:H	16	0.44	0.09	0.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,638)	1:45:A:ILE:HG12	1:45:A:ILE:HG13	16	0.44	0.0	0.44
(2,1094)	1:56:A:ILE:HG12	1:56:A:ILE:HB	16	0.44	0.01	0.44
(2,1493)	1:79:A:THR:HB	1:82:A:PHE:HB2	16	0.44	0.09	0.44
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB1	16	0.43	0.01	0.44
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB2	16	0.43	0.01	0.44
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB3	16	0.43	0.01	0.44
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD21	16	0.43	0.15	0.44
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD22	16	0.43	0.15	0.44
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD23	16	0.43	0.15	0.44
(1,451)	1:10:A:ALA:H	1:9:A:LEU:HB3	16	0.43	0.02	0.44
(2,418)	1:21:A:GLN:HB2	1:22:A:GLN:H	16	0.43	0.12	0.42
(2,311)	1:85:A:PRO:HD2	1:85:A:PRO:HD3	16	0.43	0.0	0.43
(2,382)	1:18:A:PRO:HG2	1:18:A:PRO:HG3	16	0.43	0.01	0.43
(2,881)	1:42:A:PRO:HD3	1:42:A:PRO:HD2	16	0.43	0.0	0.43
(1,304)	1:74:A:LEU:H	1:74:A:LEU:HB2	16	0.43	0.07	0.42
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG21	16	0.43	0.02	0.42
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG22	16	0.43	0.02	0.42
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG23	16	0.43	0.02	0.42
(1,208)	1:48:A:ALA:H	1:47:A:PRO:HG3	16	0.42	0.06	0.4
(2,41)	1:82:A:PHE:HD1	1:82:A:PHE:HB3	16	0.42	0.02	0.43
(2,41)	1:82:A:PHE:HD2	1:82:A:PHE:HB3	16	0.42	0.02	0.43
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE1	16	0.42	0.0	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE2	16	0.42	0.0	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE1	16	0.42	0.0	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE2	16	0.42	0.0	0.42
(1,270)	1:81:A:ILE:H	1:81:A:ILE:HG12	16	0.42	0.05	0.42
(2,957)	1:47:A:PRO:HD3	1:47:A:PRO:HD2	16	0.42	0.0	0.42
(2,1827)	1:9:A:LEU:HD21	1:9:A:LEU:HA	16	0.42	0.01	0.42
(2,1827)	1:9:A:LEU:HD22	1:9:A:LEU:HA	16	0.42	0.01	0.42
(2,1827)	1:9:A:LEU:HD23	1:9:A:LEU:HA	16	0.42	0.01	0.42
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG21	16	0.41	0.09	0.42
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG22	16	0.41	0.09	0.42
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG23	16	0.41	0.09	0.42
(1,527)	1:93:A:HIS:H	1:92:A:GLN:HB3	16	0.41	0.07	0.44
(1,414)	1:13:A:LEU:H	1:13:A:LEU:HB3	16	0.41	0.01	0.41
(2,1680)	1:90:A:LEU:HD21	1:51:A:PHE:HZ	16	0.41	0.12	0.46
(2,1680)	1:90:A:LEU:HD22	1:51:A:PHE:HZ	16	0.41	0.12	0.46
(2,1680)	1:90:A:LEU:HD23	1:51:A:PHE:HZ	16	0.41	0.12	0.46
(2,547)	1:25:A:LEU:HA	1:29:A:VAL:H	16	0.41	0.05	0.41
(2,6)	1:9:A:LEU:HD11	1:10:A:ALA:H	16	0.41	0.02	0.41
(2,6)	1:9:A:LEU:HD12	1:10:A:ALA:H	16	0.41	0.02	0.41
(2,6)	1:9:A:LEU:HD13	1:10:A:ALA:H	16	0.41	0.02	0.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1845)	1:51:A:PHE:HE1	1:51:A:PHE:HZ	16	0.4	0.0	0.4
(2,1845)	1:51:A:PHE:HE2	1:51:A:PHE:HZ	16	0.4	0.0	0.4
(1,329)	1:64:A:LEU:H	1:63:A:GLU:HB2	16	0.4	0.08	0.42
(2,412)	1:19:A:GLN:HB2	1:19:A:GLN:H	16	0.4	0.04	0.4
(1,445)	1:3:A:ALA:H	1:3:A:ALA:HA	16	0.4	0.26	0.28
(2,414)	1:9:A:LEU:HA	1:8:A:ASP:HB2	16	0.4	0.05	0.4
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG21	16	0.4	0.02	0.39
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG22	16	0.4	0.02	0.39
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG23	16	0.4	0.02	0.39
(2,335)	1:14:A:ASN:HB2	1:13:A:LEU:HB3	16	0.39	0.04	0.4
(1,33)	1:54:A:LEU:H	1:55:A:GLY:H	16	0.39	0.04	0.4
(2,295)	1:59:A:LEU:HB2	1:60:A:THR:H	16	0.39	0.04	0.39
(1,415)	1:13:A:LEU:H	1:13:A:LEU:HB2	16	0.39	0.01	0.38
(2,1697)	1:91:A:THR:HA	1:94:A:LEU:HB3	16	0.39	0.06	0.39
(2,1881)	1:13:A:LEU:HG	1:9:A:LEU:HG	16	0.38	0.09	0.41
(2,1408)	1:56:A:ILE:HD11	1:54:A:LEU:H	16	0.38	0.04	0.38
(2,1408)	1:56:A:ILE:HD12	1:54:A:LEU:H	16	0.38	0.04	0.38
(2,1408)	1:56:A:ILE:HD13	1:54:A:LEU:H	16	0.38	0.04	0.38
(2,946)	1:47:A:PRO:HD3	1:46:A:SER:HA	16	0.38	0.02	0.38
(2,1763)	1:41:A:THR:HG21	1:40:A:HIS:HB2	16	0.37	0.14	0.36
(2,1763)	1:41:A:THR:HG22	1:40:A:HIS:HB2	16	0.37	0.14	0.36
(2,1763)	1:41:A:THR:HG23	1:40:A:HIS:HB2	16	0.37	0.14	0.36
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD11	16	0.37	0.02	0.38
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD12	16	0.37	0.02	0.38
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD13	16	0.37	0.02	0.38
(2,1524)	1:16:A:LEU:HB3	1:16:A:LEU:HA	16	0.37	0.02	0.36
(2,279)	1:12:A:ARG:HD3	1:12:A:ARG:HA	16	0.36	0.25	0.22
(2,679)	1:29:A:VAL:HG11	1:33:A:THR:HG1	16	0.36	0.04	0.36
(2,679)	1:29:A:VAL:HG12	1:33:A:THR:HG1	16	0.36	0.04	0.36
(2,679)	1:29:A:VAL:HG13	1:33:A:THR:HG1	16	0.36	0.04	0.36
(2,745)	1:33:A:THR:HA	1:30:A:ALA:HA	16	0.36	0.04	0.36
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD21	16	0.36	0.11	0.42
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD22	16	0.36	0.11	0.42
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD23	16	0.36	0.11	0.42
(1,82)	1:86:A:THR:H	1:84:A:HIS:HB2	16	0.36	0.04	0.36
(2,636)	1:28:A:LEU:HG	1:29:A:VAL:HA	16	0.36	0.02	0.36
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD21	16	0.35	0.01	0.36
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD22	16	0.35	0.01	0.36
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD23	16	0.35	0.01	0.36
(2,321)	1:87:A:PRO:HD3	1:86:A:THR:HA	16	0.35	0.01	0.35
(1,368)	1:94:A:LEU:H	1:93:A:HIS:HB3	16	0.35	0.03	0.34
(2,1318)	1:68:A:LEU:HB3	1:68:A:LEU:HA	16	0.35	0.05	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,619)	1:28:A:LEU:HB3	1:28:A:LEU:HB2	16	0.35	0.0	0.35
(2,884)	1:42:A:PRO:HD3	1:42:A:PRO:HB2	16	0.35	0.01	0.35
(1,73)	1:65:A:ARG:H	1:64:A:LEU:H	16	0.34	0.03	0.34
(2,1772)	1:97:A:ARG:HD3	1:97:A:ARG:HD2	16	0.34	0.0	0.34
(1,599)	1:33:A:THR:H	1:33:A:THR:HG1	16	0.34	0.03	0.34
(1,286)	1:14:A:ASN:H	1:13:A:LEU:HB2	16	0.34	0.09	0.35
(2,1086)	1:55:A:GLY:HA3	1:55:A:GLY:HA2	16	0.34	0.0	0.34
(2,466)	1:20:A:GLN:HB2	1:20:A:GLN:HB3	16	0.34	0.0	0.34
(2,471)	1:22:A:GLN:HA	1:25:A:LEU:HB3	16	0.34	0.08	0.34
(2,698)	1:83:A:ASP:HA	1:82:A:PHE:H	16	0.34	0.03	0.33
(2,1729)	1:93:A:HIS:HA	1:90:A:LEU:HA	16	0.34	0.06	0.34
(2,204)	1:9:A:LEU:HB3	1:10:A:ALA:H	16	0.33	0.02	0.34
(1,561)	1:22:A:GLN:H	1:21:A:GLN:HB2	16	0.33	0.12	0.32
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD21	16	0.33	0.08	0.33
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD22	16	0.33	0.08	0.33
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD23	16	0.33	0.08	0.33
(2,1228)	1:63:A:GLU:HG2	1:63:A:GLU:H	16	0.33	0.15	0.3
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB1	16	0.33	0.01	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB2	16	0.33	0.01	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB3	16	0.33	0.01	0.33
(2,1771)	1:97:A:ARG:HG3	1:98:A:LEU:H	16	0.33	0.05	0.33
(2,943)	1:46:A:SER:HA	1:47:A:PRO:HG2	16	0.33	0.02	0.33
(2,366)	1:17:A:SER:HB3	1:17:A:SER:HA	16	0.32	0.03	0.32
(2,309)	1:85:A:PRO:HG3	1:85:A:PRO:HD3	16	0.32	0.0	0.32
(2,306)	1:85:A:PRO:HG2	1:85:A:PRO:HD2	16	0.32	0.0	0.32
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD11	16	0.32	0.04	0.31
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD12	16	0.32	0.04	0.31
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD13	16	0.32	0.04	0.31
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD11	16	0.32	0.04	0.31
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD12	16	0.32	0.04	0.31
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD13	16	0.32	0.04	0.31
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD11	16	0.32	0.04	0.31
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD12	16	0.32	0.04	0.31
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD13	16	0.32	0.04	0.31
(2,690)	1:29:A:VAL:HG11	1:29:A:VAL:H	16	0.32	0.0	0.32
(2,690)	1:29:A:VAL:HG12	1:29:A:VAL:H	16	0.32	0.0	0.32
(2,690)	1:29:A:VAL:HG13	1:29:A:VAL:H	16	0.32	0.0	0.32
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB1	16	0.32	0.02	0.32
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB2	16	0.32	0.02	0.32
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB3	16	0.32	0.02	0.32
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB1	16	0.32	0.02	0.32
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB2	16	0.32	0.02	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB3	16	0.32	0.02	0.32
(2,580)	1:26:A:ALA:HB1	1:28:A:LEU:H	16	0.32	0.02	0.32
(2,580)	1:26:A:ALA:HB2	1:28:A:LEU:H	16	0.32	0.02	0.32
(2,580)	1:26:A:ALA:HB3	1:28:A:LEU:H	16	0.32	0.02	0.32
(2,1363)	1:93:A:HIS:HB3	1:93:A:HIS:H	16	0.32	0.03	0.33
(2,795)	1:29:A:VAL:HG21	1:29:A:VAL:H	16	0.32	0.01	0.32
(2,795)	1:29:A:VAL:HG22	1:29:A:VAL:H	16	0.32	0.01	0.32
(2,795)	1:29:A:VAL:HG23	1:29:A:VAL:H	16	0.32	0.01	0.32
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB1	16	0.32	0.03	0.32
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB2	16	0.32	0.03	0.32
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB3	16	0.32	0.03	0.32
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB1	16	0.32	0.03	0.32
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB2	16	0.32	0.03	0.32
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB3	16	0.32	0.03	0.32
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB1	16	0.32	0.03	0.32
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB2	16	0.32	0.03	0.32
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB3	16	0.32	0.03	0.32
(1,390)	1:65:A:ARG:HE	1:65:A:ARG:HD3	16	0.32	0.14	0.26
(2,433)	1:21:A:GLN:HG2	1:21:A:GLN:HA	16	0.32	0.06	0.3
(2,1030)	1:51:A:PHE:HB2	1:81:A:ILE:HG13	16	0.32	0.05	0.32
(2,1567)	1:83:A:ASP:HB3	1:83:A:ASP:H	16	0.32	0.03	0.32
(2,1194)	1:63:A:GLU:HB2	1:64:A:LEU:H	16	0.32	0.03	0.32
(1,528)	1:54:A:LEU:H	1:54:A:LEU:HB3	16	0.31	0.01	0.31
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB1	16	0.31	0.06	0.32
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB2	16	0.31	0.06	0.32
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB3	16	0.31	0.06	0.32
(1,331)	1:64:A:LEU:H	1:64:A:LEU:HB2	16	0.31	0.02	0.31
(2,950)	1:48:A:ALA:HB1	1:47:A:PRO:HA	16	0.31	0.02	0.31
(2,950)	1:48:A:ALA:HB2	1:47:A:PRO:HA	16	0.31	0.02	0.31
(2,950)	1:48:A:ALA:HB3	1:47:A:PRO:HA	16	0.31	0.02	0.31
(2,1053)	1:52:A:LYS:HG2	1:52:A:LYS:HA	16	0.31	0.05	0.32
(2,116)	1:6:A:ALA:HB1	1:10:A:ALA:H	16	0.31	0.07	0.33
(2,116)	1:6:A:ALA:HB2	1:10:A:ALA:H	16	0.31	0.07	0.33
(2,116)	1:6:A:ALA:HB3	1:10:A:ALA:H	16	0.31	0.07	0.33
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG21	16	0.31	0.06	0.33
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG22	16	0.31	0.06	0.33
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG23	16	0.31	0.06	0.33
(2,1601)	1:86:A:THR:HB	1:87:A:PRO:HD2	16	0.31	0.03	0.3
(2,1888)	1:13:A:LEU:HG	1:13:A:LEU:H	16	0.31	0.04	0.3
(2,904)	1:42:A:PRO:HG3	1:42:A:PRO:HD3	16	0.3	0.03	0.29
(2,564)	1:28:A:LEU:HD11	1:71:A:ASN:HB3	16	0.3	0.05	0.3
(2,564)	1:28:A:LEU:HD12	1:71:A:ASN:HB3	16	0.3	0.05	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,564)	1:28:A:LEU:HD13	1:71:A:ASN:HB3	16	0.3	0.05	0.3
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB1	16	0.3	0.06	0.32
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB2	16	0.3	0.06	0.32
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB3	16	0.3	0.06	0.32
(2,641)	1:54:A:LEU:HG	1:54:A:LEU:HA	16	0.3	0.03	0.29
(2,1412)	1:56:A:ILE:HD11	1:33:A:THR:HB	16	0.3	0.06	0.3
(2,1412)	1:56:A:ILE:HD12	1:33:A:THR:HB	16	0.3	0.06	0.3
(2,1412)	1:56:A:ILE:HD13	1:33:A:THR:HB	16	0.3	0.06	0.3
(1,80)	1:86:A:THR:H	1:85:A:PRO:HD2	16	0.3	0.06	0.3
(2,262)	1:12:A:ARG:HB2	1:12:A:ARG:H	16	0.3	0.02	0.3
(1,552)	1:12:A:ARG:H	1:12:A:ARG:HB3	16	0.3	0.01	0.3
(2,1204)	1:62:A:LEU:HG	1:59:A:LEU:HA	16	0.29	0.06	0.3
(1,312)	1:46:A:SER:H	1:45:A:ILE:HG12	16	0.29	0.01	0.29
(2,1047)	1:52:A:LYS:HB2	1:53:A:ASP:H	16	0.29	0.03	0.29
(1,56)	1:60:A:THR:H	1:59:A:LEU:HB2	16	0.29	0.04	0.29
(1,342)	1:66:A:ASN:H	1:66:A:ASN:HB2	16	0.29	0.05	0.29
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD1	16	0.29	0.03	0.28
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD2	16	0.29	0.03	0.28
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD1	16	0.29	0.03	0.28
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD2	16	0.29	0.03	0.28
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD1	16	0.29	0.03	0.28
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD2	16	0.29	0.03	0.28
(2,1589)	1:85:A:PRO:HB3	1:85:A:PRO:HA	16	0.29	0.0	0.29
(2,1688)	1:91:A:THR:HB	1:91:A:THR:HA	16	0.29	0.0	0.29
(2,1915)	1:91:A:THR:HB	1:91:A:THR:H	16	0.28	0.02	0.29
(2,624)	1:28:A:LEU:HB3	1:28:A:LEU:H	16	0.28	0.01	0.28
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD11	16	0.28	0.04	0.28
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD12	16	0.28	0.04	0.28
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD13	16	0.28	0.04	0.28
(2,1586)	1:85:A:PRO:HG2	1:85:A:PRO:HB2	16	0.28	0.0	0.28
(2,1256)	1:64:A:LEU:HD21	1:64:A:LEU:HB2	16	0.28	0.0	0.28
(2,1256)	1:64:A:LEU:HD22	1:64:A:LEU:HB2	16	0.28	0.0	0.28
(2,1256)	1:64:A:LEU:HD23	1:64:A:LEU:HB2	16	0.28	0.0	0.28
(2,1595)	1:85:A:PRO:HG3	1:85:A:PRO:HB3	16	0.28	0.0	0.28
(1,145)	1:50:A:ALA:H	1:50:A:ALA:HA	16	0.28	0.0	0.28
(2,976)	1:49:A:THR:HB	1:50:A:ALA:H	16	0.28	0.05	0.26
(2,71)	1:81:A:ILE:HD11	1:81:A:ILE:HA	16	0.28	0.03	0.28
(2,71)	1:81:A:ILE:HD12	1:81:A:ILE:HA	16	0.28	0.03	0.28
(2,71)	1:81:A:ILE:HD13	1:81:A:ILE:HA	16	0.28	0.03	0.28
(2,1023)	1:51:A:PHE:HA	1:51:A:PHE:HB3	16	0.27	0.01	0.28
(1,493)	1:25:A:LEU:H	1:26:A:ALA:H	16	0.27	0.01	0.27
(2,563)	1:28:A:LEU:HD11	1:29:A:VAL:HA	16	0.27	0.02	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,563)	1:28:A:LEU:HD12	1:29:A:VAL:HA	16	0.27	0.02	0.28
(2,563)	1:28:A:LEU:HD13	1:29:A:VAL:HA	16	0.27	0.02	0.28
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB1	16	0.27	0.03	0.27
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB2	16	0.27	0.03	0.27
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB3	16	0.27	0.03	0.27
(2,17)	1:95:A:HIS:HD2	1:95:A:HIS:HB2	16	0.27	0.04	0.27
(2,1650)	1:89:A:ALA:HB1	1:85:A:PRO:HD2	16	0.27	0.06	0.28
(2,1650)	1:89:A:ALA:HB2	1:85:A:PRO:HD2	16	0.27	0.06	0.28
(2,1650)	1:89:A:ALA:HB3	1:85:A:PRO:HD2	16	0.27	0.06	0.28
(1,25)	1:83:A:ASP:H	1:84:A:HIS:H	16	0.26	0.05	0.28
(2,447)	1:20:A:GLN:HB3	1:20:A:GLN:HA	16	0.26	0.02	0.26
(1,309)	1:56:A:ILE:H	1:51:A:PHE:HB2	16	0.26	0.04	0.25
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	16	0.26	0.06	0.26
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD12	16	0.26	0.06	0.26
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD13	16	0.26	0.06	0.26
(2,716)	1:30:A:ALA:HB1	1:34:A:ALA:HA	16	0.26	0.03	0.26
(2,716)	1:30:A:ALA:HB2	1:34:A:ALA:HA	16	0.26	0.03	0.26
(2,716)	1:30:A:ALA:HB3	1:34:A:ALA:HA	16	0.26	0.03	0.26
(2,458)	1:20:A:GLN:HB3	1:16:A:LEU:HB3	16	0.25	0.08	0.24
(2,571)	1:32:A:ALA:HA	1:34:A:ALA:H	16	0.25	0.06	0.24
(2,533)	1:24:A:THR:HB	1:25:A:LEU:HB2	16	0.25	0.06	0.24
(2,832)	1:37:A:LEU:HB2	1:37:A:LEU:H	16	0.25	0.03	0.26
(2,785)	1:27:A:THR:HB	1:23:A:GLN:HB2	16	0.25	0.05	0.24
(2,870)	1:42:A:PRO:HG2	1:42:A:PRO:HA	16	0.25	0.01	0.25
(2,1195)	1:63:A:GLU:HB2	1:63:A:GLU:HB3	16	0.25	0.01	0.25
(2,831)	1:37:A:LEU:HA	1:37:A:LEU:HB3	16	0.24	0.01	0.24
(1,239)	1:45:A:ILE:H	1:45:A:ILE:HG13	16	0.24	0.1	0.21
(1,275)	1:81:A:ILE:H	1:82:A:PHE:H	16	0.24	0.03	0.24
(2,921)	1:44:A:SER:HB2	1:44:A:SER:HB3	16	0.24	0.0	0.24
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG21	16	0.24	0.02	0.25
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG22	16	0.24	0.02	0.25
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG23	16	0.24	0.02	0.25
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG21	16	0.24	0.02	0.25
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG22	16	0.24	0.02	0.25
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG23	16	0.24	0.02	0.25
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG21	16	0.24	0.02	0.25
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG22	16	0.24	0.02	0.25
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG23	16	0.24	0.02	0.25
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD11	16	0.24	0.07	0.22
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD12	16	0.24	0.07	0.22
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD13	16	0.24	0.07	0.22
(2,1293)	1:66:A:ASN:HA	1:65:A:ARG:H	16	0.24	0.04	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,477)	1:25:A:LEU:HG	1:25:A:LEU:H	16	0.24	0.05	0.24
(2,827)	1:36:A:VAL:HG11	1:64:A:LEU:H	16	0.23	0.08	0.22
(2,827)	1:36:A:VAL:HG12	1:64:A:LEU:H	16	0.23	0.08	0.22
(2,827)	1:36:A:VAL:HG13	1:64:A:LEU:H	16	0.23	0.08	0.22
(2,298)	1:94:A:LEU:HB2	1:94:A:LEU:H	16	0.23	0.02	0.24
(2,506)	1:23:A:GLN:HB2	1:24:A:THR:H	16	0.23	0.04	0.26
(2,385)	1:18:A:PRO:HB3	1:18:A:PRO:HB2	16	0.23	0.0	0.23
(2,1598)	1:85:A:PRO:HG3	1:85:A:PRO:HG2	16	0.23	0.0	0.23
(1,34)	1:73:A:GLY:H	1:72:A:THR:H	16	0.22	0.02	0.22
(2,1548)	1:81:A:ILE:HG12	1:81:A:ILE:HB	16	0.22	0.01	0.22
(2,18)	1:21:A:GLN:HB3	1:95:A:HIS:HD2	16	0.22	0.04	0.22
(2,388)	1:45:A:ILE:HA	1:46:A:SER:H	16	0.22	0.03	0.22
(2,1523)	1:16:A:LEU:HB2	1:16:A:LEU:HA	16	0.22	0.01	0.22
(2,1445)	1:88:A:HIS:HB2	1:88:A:HIS:H	16	0.21	0.03	0.22
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD11	16	0.21	0.06	0.22
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD12	16	0.21	0.06	0.22
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD13	16	0.21	0.06	0.22
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD11	16	0.21	0.06	0.22
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD12	16	0.21	0.06	0.22
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD13	16	0.21	0.06	0.22
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD11	16	0.21	0.06	0.22
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD12	16	0.21	0.06	0.22
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD13	16	0.21	0.06	0.22
(1,110)	1:52:A:LYS:H	1:52:A:LYS:HG3	16	0.21	0.07	0.2
(2,612)	1:28:A:LEU:HA	1:28:A:LEU:HB2	16	0.21	0.0	0.21
(2,963)	1:93:A:HIS:HB2	1:93:A:HIS:HA	16	0.21	0.01	0.21
(2,344)	1:15:A:GLY:HA3	1:15:A:GLY:H	16	0.21	0.16	0.17
(1,516)	1:82:A:PHE:H	1:82:A:PHE:HB2	16	0.21	0.01	0.2
(2,525)	1:96:A:THR:HB	1:96:A:THR:H	16	0.21	0.03	0.2
(2,1562)	1:82:A:PHE:HB2	1:82:A:PHE:H	16	0.21	0.01	0.2
(2,1885)	1:13:A:LEU:HG	1:13:A:LEU:HA	16	0.21	0.04	0.2
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB1	16	0.21	0.05	0.19
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB2	16	0.21	0.05	0.19
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB3	16	0.21	0.05	0.19
(2,1659)	1:89:A:ALA:HB1	1:90:A:LEU:H	16	0.21	0.05	0.19
(2,1659)	1:89:A:ALA:HB2	1:90:A:LEU:H	16	0.21	0.05	0.19
(2,1659)	1:89:A:ALA:HB3	1:90:A:LEU:H	16	0.21	0.05	0.19
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD21	16	0.2	0.01	0.2
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD22	16	0.2	0.01	0.2
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD23	16	0.2	0.01	0.2
(2,528)	1:35:A:THR:HB	1:35:A:THR:H	16	0.2	0.02	0.21
(2,411)	1:19:A:GLN:HB3	1:19:A:GLN:H	16	0.2	0.03	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1185)	1:62:A:LEU:HB2	1:62:A:LEU:H	16	0.2	0.02	0.2
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG21	16	0.2	0.04	0.19
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG22	16	0.2	0.04	0.19
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG23	16	0.2	0.04	0.19
(2,52)	1:51:A:PHE:HD1	1:85:A:PRO:HA	16	0.2	0.05	0.2
(2,52)	1:51:A:PHE:HD2	1:85:A:PRO:HA	16	0.2	0.05	0.2
(2,33)	1:84:A:HIS:HB2	1:84:A:HIS:HD2	16	0.2	0.02	0.19
(1,74)	1:89:A:ALA:H	1:88:A:HIS:H	16	0.19	0.02	0.19
(2,269)	1:12:A:ARG:HG2	1:13:A:LEU:H	16	0.19	0.05	0.19
(1,134)	1:26:A:ALA:H	1:25:A:LEU:HB2	16	0.19	0.03	0.2
(1,29)	1:62:A:LEU:H	1:61:A:ALA:H	16	0.19	0.02	0.19
(2,1054)	1:52:A:LYS:HG2	1:53:A:ASP:H	16	0.19	0.02	0.19
(2,377)	1:18:A:PRO:HA	1:18:A:PRO:HB3	16	0.18	0.01	0.18
(2,1444)	1:88:A:HIS:HB3	1:88:A:HIS:H	16	0.18	0.04	0.18
(1,171)	1:28:A:LEU:H	1:28:A:LEU:HB3	16	0.18	0.01	0.18
(2,435)	1:21:A:GLN:HA	1:20:A:GLN:HA	16	0.18	0.02	0.18
(1,601)	1:33:A:THR:H	1:34:A:ALA:H	16	0.18	0.02	0.18
(1,532)	1:93:A:HIS:H	1:93:A:HIS:HD2	16	0.18	0.03	0.16
(2,1281)	1:65:A:ARG:HB2	1:65:A:ARG:HA	16	0.17	0.04	0.18
(2,1138)	1:86:A:THR:HA	1:86:A:THR:H	16	0.17	0.0	0.17
(1,386)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	16	0.17	0.0	0.17
(2,1462)	1:73:A:GLY:HA2	1:73:A:GLY:H	16	0.17	0.01	0.17
(2,882)	1:42:A:PRO:HD2	1:42:A:PRO:HG2	16	0.16	0.01	0.16
(2,1073)	1:54:A:LEU:HG	1:54:A:LEU:HB2	16	0.16	0.01	0.16
(2,527)	1:24:A:THR:HB	1:24:A:THR:H	16	0.16	0.02	0.16
(1,125)	1:21:A:GLN:H	1:21:A:GLN:HB2	16	0.16	0.03	0.16
(2,383)	1:18:A:PRO:HB3	1:18:A:PRO:HG3	16	0.16	0.03	0.15
(2,1602)	1:86:A:THR:HB	1:88:A:HIS:H	16	0.16	0.03	0.16
(2,1135)	1:59:A:LEU:HA	1:58:A:SER:HA	16	0.15	0.04	0.14
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB1	16	0.15	0.02	0.15
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB2	16	0.15	0.02	0.15
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB3	16	0.15	0.02	0.15
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG21	16	0.15	0.03	0.15
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG22	16	0.15	0.03	0.15
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG23	16	0.15	0.03	0.15
(1,68)	1:20:A:GLN:H	1:21:A:GLN:H	16	0.15	0.02	0.16
(2,977)	1:49:A:THR:HB	1:49:A:THR:H	16	0.15	0.02	0.15
(2,552)	1:25:A:LEU:HB3	1:25:A:LEU:HA	16	0.15	0.01	0.15
(2,389)	1:19:A:GLN:HA	1:19:A:GLN:H	16	0.15	0.02	0.15
(2,256)	1:12:A:ARG:HB3	1:12:A:ARG:HB2	16	0.15	0.0	0.15
(2,1711)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	16	0.15	0.0	0.15
(2,1662)	1:90:A:LEU:HA	1:90:A:LEU:H	16	0.15	0.01	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,510)	1:49:A:THR:H	1:49:A:THR:HG21	16	0.14	0.01	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG22	16	0.14	0.01	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG23	16	0.14	0.01	0.14
(2,930)	1:45:A:ILE:HB	1:45:A:ILE:HG13	16	0.14	0.01	0.14
(2,51)	1:51:A:PHE:HD1	1:51:A:PHE:HB3	16	0.13	0.01	0.13
(2,51)	1:51:A:PHE:HD2	1:51:A:PHE:HB3	16	0.13	0.01	0.13
(2,874)	1:42:A:PRO:HB3	1:42:A:PRO:HA	16	0.13	0.01	0.13
(2,1689)	1:91:A:THR:HA	1:91:A:THR:H	16	0.13	0.01	0.13
(2,1117)	1:56:A:ILE:HG21	1:56:A:ILE:HB	16	0.13	0.0	0.13
(2,1117)	1:56:A:ILE:HG22	1:56:A:ILE:HB	16	0.13	0.0	0.13
(2,1117)	1:56:A:ILE:HG23	1:56:A:ILE:HB	16	0.13	0.0	0.13
(2,224)	1:50:A:ALA:HB1	1:50:A:ALA:H	16	0.12	0.01	0.12
(2,224)	1:50:A:ALA:HB2	1:50:A:ALA:H	16	0.12	0.01	0.12
(2,224)	1:50:A:ALA:HB3	1:50:A:ALA:H	16	0.12	0.01	0.12
(2,127)	1:7:A:THR:HG21	1:7:A:THR:HA	16	0.12	0.0	0.12
(2,127)	1:7:A:THR:HG22	1:7:A:THR:HA	16	0.12	0.0	0.12
(2,127)	1:7:A:THR:HG23	1:7:A:THR:HA	16	0.12	0.0	0.12
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG21	16	0.12	0.01	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG22	16	0.12	0.01	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG23	16	0.12	0.01	0.11
(2,879)	1:60:A:THR:HB	1:63:A:GLU:HB2	15	1.5	0.05	1.52
(1,146)	1:50:A:ALA:H	1:53:A:ASP:HB3	15	1.33	0.07	1.35
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG11	15	0.84	0.02	0.84
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG12	15	0.84	0.02	0.84
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG13	15	0.84	0.02	0.84
(2,1864)	1:65:A:ARG:HD3	1:66:A:ASN:HA	15	0.83	0.21	0.92
(2,448)	1:63:A:GLU:HB2	1:36:A:VAL:HA	15	0.81	0.1	0.82
(2,901)	1:41:A:THR:HG21	1:40:A:HIS:HD2	15	0.76	0.42	0.62
(2,901)	1:41:A:THR:HG22	1:40:A:HIS:HD2	15	0.76	0.42	0.62
(2,901)	1:41:A:THR:HG23	1:40:A:HIS:HD2	15	0.76	0.42	0.62
(2,1064)	1:53:A:ASP:HB3	1:50:A:ALA:H	15	0.73	0.07	0.75
(2,330)	1:14:A:ASN:HA	1:15:A:GLY:H	15	0.67	0.01	0.67
(1,389)	1:65:A:ARG:HE	1:65:A:ARG:HG2	15	0.66	0.08	0.66
(1,250)	1:99:A:THR:H	1:99:A:THR:HG21	15	0.61	0.19	0.69
(1,250)	1:99:A:THR:H	1:99:A:THR:HG22	15	0.61	0.19	0.69
(1,250)	1:99:A:THR:H	1:99:A:THR:HG23	15	0.61	0.19	0.69
(2,1798)	1:99:A:THR:HG21	1:99:A:THR:H	15	0.61	0.19	0.69
(2,1798)	1:99:A:THR:HG22	1:99:A:THR:H	15	0.61	0.19	0.69
(2,1798)	1:99:A:THR:HG23	1:99:A:THR:H	15	0.61	0.19	0.69
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG21	15	0.57	0.19	0.63
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG22	15	0.57	0.19	0.63
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG23	15	0.57	0.19	0.63

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,158)	1:5:A:ALA:H	1:4:A:SER:HA	15	0.53	0.11	0.57
(2,236)	1:31:A:ALA:HB1	1:42:A:PRO:HB2	15	0.5	0.19	0.58
(2,236)	1:31:A:ALA:HB2	1:42:A:PRO:HB2	15	0.5	0.19	0.58
(2,236)	1:31:A:ALA:HB3	1:42:A:PRO:HB2	15	0.5	0.19	0.58
(1,602)	1:57:A:ASP:H	1:57:A:ASP:HB3	15	0.5	0.16	0.54
(2,449)	1:63:A:GLU:HB2	1:62:A:LEU:H	15	0.49	0.05	0.48
(1,51)	1:15:A:GLY:H	1:14:A:ASN:HA	15	0.47	0.01	0.47
(2,1197)	1:60:A:THR:HG21	1:63:A:GLU:HB2	15	0.47	0.04	0.47
(2,1197)	1:60:A:THR:HG22	1:63:A:GLU:HB2	15	0.47	0.04	0.47
(2,1197)	1:60:A:THR:HG23	1:63:A:GLU:HB2	15	0.47	0.04	0.47
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG21	15	0.45	0.1	0.43
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG22	15	0.45	0.1	0.43
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG23	15	0.45	0.1	0.43
(1,40)	1:16:A:LEU:H	1:15:A:GLY:H	15	0.39	0.08	0.41
(1,189)	1:53:A:ASP:H	1:53:A:ASP:HB3	15	0.36	0.02	0.36
(2,1483)	1:60:A:THR:HA	1:63:A:GLU:HB2	15	0.33	0.03	0.32
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB1	15	0.3	0.14	0.29
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB2	15	0.3	0.14	0.29
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB3	15	0.3	0.14	0.29
(2,511)	1:23:A:GLN:HG3	1:20:A:GLN:HA	15	0.29	0.05	0.28
(2,1720)	1:92:A:GLN:HG3	1:89:A:ALA:HA	15	0.28	0.08	0.3
(1,213)	1:38:A:GLY:H	1:38:A:GLY:HA2	15	0.28	0.06	0.3
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG21	15	0.27	0.04	0.27
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG22	15	0.27	0.04	0.27
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG23	15	0.27	0.04	0.27
(2,932)	1:45:A:ILE:HG13	1:42:A:PRO:HA	15	0.27	0.1	0.25
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD1	15	0.27	0.07	0.25
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD2	15	0.27	0.07	0.25
(2,1663)	1:90:A:LEU:HA	1:84:A:HIS:HB3	15	0.26	0.06	0.25
(1,22)	1:43:A:GLU:H	1:44:A:SER:H	15	0.26	0.1	0.3
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD21	15	0.24	0.04	0.25
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD22	15	0.24	0.04	0.25
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD23	15	0.24	0.04	0.25
(1,23)	1:44:A:SER:H	1:45:A:ILE:H	15	0.24	0.08	0.26
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG21	15	0.23	0.06	0.24
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG22	15	0.23	0.06	0.24
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG23	15	0.23	0.06	0.24
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG21	15	0.23	0.06	0.24
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG22	15	0.23	0.06	0.24
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG23	15	0.23	0.06	0.24
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG21	15	0.23	0.06	0.24
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG22	15	0.23	0.06	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG23	15	0.23	0.06	0.24
(2,1171)	1:61:A:ALA:HB1	1:64:A:LEU:HB3	15	0.23	0.05	0.22
(2,1171)	1:61:A:ALA:HB2	1:64:A:LEU:HB3	15	0.23	0.05	0.22
(2,1171)	1:61:A:ALA:HB3	1:64:A:LEU:HB3	15	0.23	0.05	0.22
(2,1848)	1:95:A:HIS:HD2	1:22:A:GLN:H	15	0.21	0.05	0.23
(2,876)	1:42:A:PRO:HB2	1:43:A:GLU:H	15	0.21	0.05	0.2
(2,1299)	1:66:A:ASN:HB2	1:67:A:THR:H	15	0.21	0.05	0.22
(2,201)	1:6:A:ALA:HA	1:9:A:LEU:HB3	15	0.2	0.04	0.19
(2,1453)	1:40:A:HIS:HA	1:40:A:HIS:HB2	15	0.2	0.05	0.19
(2,1029)	1:51:A:PHE:HB3	1:52:A:LYS:HG2	15	0.2	0.07	0.18
(2,1224)	1:63:A:GLU:HG2	1:63:A:GLU:HA	15	0.19	0.02	0.19
(1,38)	1:73:A:GLY:H	1:74:A:LEU:H	15	0.18	0.03	0.18
(2,845)	1:37:A:LEU:HD11	1:36:A:VAL:H	15	0.18	0.05	0.17
(2,845)	1:37:A:LEU:HD12	1:36:A:VAL:H	15	0.18	0.05	0.17
(2,845)	1:37:A:LEU:HD13	1:36:A:VAL:H	15	0.18	0.05	0.17
(2,1569)	1:83:A:ASP:HB3	1:84:A:HIS:H	15	0.17	0.04	0.17
(2,1850)	1:70:A:HIS:HD2	1:70:A:HIS:HB3	15	0.17	0.03	0.18
(2,1400)	1:45:A:ILE:HD11	1:45:A:ILE:HA	15	0.16	0.02	0.17
(2,1400)	1:45:A:ILE:HD12	1:45:A:ILE:HA	15	0.16	0.02	0.17
(2,1400)	1:45:A:ILE:HD13	1:45:A:ILE:HA	15	0.16	0.02	0.17
(2,362)	1:17:A:SER:HA	1:17:A:SER:H	15	0.11	0.01	0.11
(2,1894)	1:90:A:LEU:HD21	1:93:A:HIS:HA	14	2.03	0.07	2.02
(2,1894)	1:90:A:LEU:HD22	1:93:A:HIS:HA	14	2.03	0.07	2.02
(2,1894)	1:90:A:LEU:HD23	1:93:A:HIS:HA	14	2.03	0.07	2.02
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD21	14	1.59	0.06	1.62
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD22	14	1.59	0.06	1.62
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD23	14	1.59	0.06	1.62
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD11	14	1.36	0.03	1.35
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD12	14	1.36	0.03	1.35
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD13	14	1.36	0.03	1.35
(2,1486)	1:78:A:PRO:HB2	1:79:A:THR:H	14	1.31	0.36	1.37
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD21	14	1.27	0.62	0.89
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD22	14	1.27	0.62	0.89
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD23	14	1.27	0.62	0.89
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD21	14	1.06	0.07	1.08
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD22	14	1.06	0.07	1.08
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD23	14	1.06	0.07	1.08
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD21	14	0.98	0.08	0.98
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD22	14	0.98	0.08	0.98
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD23	14	0.98	0.08	0.98
(2,1878)	1:90:A:LEU:HD11	1:90:A:LEU:HA	14	0.95	0.03	0.95
(2,1878)	1:90:A:LEU:HD12	1:90:A:LEU:HA	14	0.95	0.03	0.95

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1878)	1:90:A:LEU:HD13	1:90:A:LEU:HA	14	0.95	0.03	0.95
(1,609)	1:67:A:THR:H	1:68:A:LEU:HB3	14	0.88	0.03	0.88
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD21	14	0.79	0.28	0.94
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD22	14	0.79	0.28	0.94
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD23	14	0.79	0.28	0.94
(2,1398)	1:45:A:ILE:HD11	1:39:A:HIS:HB2	14	0.73	0.27	0.8
(2,1398)	1:45:A:ILE:HD12	1:39:A:HIS:HB2	14	0.73	0.27	0.8
(2,1398)	1:45:A:ILE:HD13	1:39:A:HIS:HB2	14	0.73	0.27	0.8
(1,127)	1:69:A:THR:H	1:68:A:LEU:HB2	14	0.69	0.16	0.75
(2,1920)	1:76:A:LEU:HB2	1:76:A:LEU:H	14	0.65	0.13	0.66
(2,1673)	1:90:A:LEU:HB3	1:91:A:THR:H	14	0.63	0.06	0.64
(2,1868)	1:65:A:ARG:HD3	1:66:A:ASN:H	14	0.61	0.17	0.7
(2,1676)	1:90:A:LEU:HG	1:90:A:LEU:HB3	14	0.61	0.01	0.61
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD21	14	0.54	0.05	0.52
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD22	14	0.54	0.05	0.52
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD23	14	0.54	0.05	0.52
(2,1506)	1:72:A:THR:HG21	1:68:A:LEU:HB2	14	0.49	0.12	0.53
(2,1506)	1:72:A:THR:HG22	1:68:A:LEU:HB2	14	0.49	0.12	0.53
(2,1506)	1:72:A:THR:HG23	1:68:A:LEU:HB2	14	0.49	0.12	0.53
(2,292)	1:68:A:LEU:HB2	1:65:A:ARG:HA	14	0.41	0.03	0.41
(2,31)	1:39:A:HIS:HD2	1:37:A:LEU:HB3	14	0.41	0.21	0.34
(1,11)	1:96:A:THR:H	1:95:A:HIS:H	14	0.4	0.05	0.42
(2,1677)	1:90:A:LEU:HG	1:90:A:LEU:HA	14	0.38	0.02	0.38
(1,590)	1:96:A:THR:H	1:97:A:ARG:H	14	0.35	0.04	0.36
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD21	14	0.35	0.05	0.36
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD22	14	0.35	0.05	0.36
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD23	14	0.35	0.05	0.36
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD11	14	0.31	0.14	0.3
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD12	14	0.31	0.14	0.3
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD13	14	0.31	0.14	0.3
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD11	14	0.31	0.14	0.3
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD12	14	0.31	0.14	0.3
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD13	14	0.31	0.14	0.3
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD11	14	0.31	0.14	0.3
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD12	14	0.31	0.14	0.3
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD13	14	0.31	0.14	0.3
(2,1879)	1:90:A:LEU:HD11	1:90:A:LEU:H	14	0.3	0.09	0.3
(2,1879)	1:90:A:LEU:HD12	1:90:A:LEU:H	14	0.3	0.09	0.3
(2,1879)	1:90:A:LEU:HD13	1:90:A:LEU:H	14	0.3	0.09	0.3
(2,1898)	1:30:A:ALA:HB1	1:42:A:PRO:HB3	14	0.3	0.09	0.29
(2,1898)	1:30:A:ALA:HB2	1:42:A:PRO:HB3	14	0.3	0.09	0.29
(2,1898)	1:30:A:ALA:HB3	1:42:A:PRO:HB3	14	0.3	0.09	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD11	14	0.29	0.05	0.3
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD12	14	0.29	0.05	0.3
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD13	14	0.29	0.05	0.3
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD11	14	0.29	0.05	0.3
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD12	14	0.29	0.05	0.3
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD13	14	0.29	0.05	0.3
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD11	14	0.29	0.05	0.3
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD12	14	0.29	0.05	0.3
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD13	14	0.29	0.05	0.3
(2,1540)	1:98:A:LEU:HB2	1:95:A:HIS:HA	14	0.29	0.13	0.24
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG11	14	0.28	0.09	0.27
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG12	14	0.28	0.09	0.27
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG13	14	0.28	0.09	0.27
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD11	14	0.27	0.08	0.28
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD12	14	0.27	0.08	0.28
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD13	14	0.27	0.08	0.28
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD11	14	0.26	0.06	0.29
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD12	14	0.26	0.06	0.29
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD13	14	0.26	0.06	0.29
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE1	14	0.25	0.08	0.25
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE2	14	0.25	0.08	0.25
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE1	14	0.25	0.08	0.25
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE2	14	0.25	0.08	0.25
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE1	14	0.25	0.08	0.25
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE2	14	0.25	0.08	0.25
(2,849)	1:74:A:LEU:HD21	1:74:A:LEU:H	14	0.24	0.05	0.22
(2,849)	1:74:A:LEU:HD22	1:74:A:LEU:H	14	0.24	0.05	0.22
(2,849)	1:74:A:LEU:HD23	1:74:A:LEU:H	14	0.24	0.05	0.22
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG21	14	0.23	0.07	0.25
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG22	14	0.23	0.07	0.25
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG23	14	0.23	0.07	0.25
(2,1630)	1:87:A:PRO:HD3	1:51:A:PHE:H	14	0.23	0.05	0.24
(2,1301)	1:66:A:ASN:HB2	1:65:A:ARG:H	14	0.22	0.04	0.22
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD11	14	0.22	0.1	0.22
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD12	14	0.22	0.1	0.22
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD13	14	0.22	0.1	0.22
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD11	14	0.22	0.1	0.22
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD12	14	0.22	0.1	0.22
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD13	14	0.22	0.1	0.22
(2,823)	1:36:A:VAL:HG11	1:33:A:THR:HA	14	0.21	0.05	0.22
(2,823)	1:36:A:VAL:HG12	1:33:A:THR:HA	14	0.21	0.05	0.22
(2,823)	1:36:A:VAL:HG13	1:33:A:THR:HA	14	0.21	0.05	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD21	14	0.21	0.06	0.22
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD22	14	0.21	0.06	0.22
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD23	14	0.21	0.06	0.22
(2,1678)	1:90:A:LEU:HD21	1:90:A:LEU:HB2	14	0.21	0.04	0.22
(2,1678)	1:90:A:LEU:HD22	1:90:A:LEU:HB2	14	0.21	0.04	0.22
(2,1678)	1:90:A:LEU:HD23	1:90:A:LEU:HB2	14	0.21	0.04	0.22
(2,1367)	1:97:A:ARG:HB2	1:98:A:LEU:H	14	0.2	0.06	0.19
(2,1714)	1:92:A:GLN:HG2	1:92:A:GLN:HA	14	0.19	0.05	0.18
(2,1542)	1:81:A:ILE:HA	1:84:A:HIS:H	14	0.19	0.04	0.18
(2,361)	1:16:A:LEU:HD21	1:17:A:SER:H	14	0.17	0.03	0.18
(2,361)	1:16:A:LEU:HD22	1:17:A:SER:H	14	0.17	0.03	0.18
(2,361)	1:16:A:LEU:HD23	1:17:A:SER:H	14	0.17	0.03	0.18
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB1	14	0.17	0.05	0.15
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB2	14	0.17	0.05	0.15
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB3	14	0.17	0.05	0.15
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB1	14	0.17	0.05	0.15
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB2	14	0.17	0.05	0.15
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB3	14	0.17	0.05	0.15
(2,1566)	1:83:A:ASP:HB2	1:83:A:ASP:H	14	0.17	0.04	0.16
(2,1560)	1:82:A:PHE:HB2	1:83:A:ASP:H	14	0.16	0.06	0.15
(2,1769)	1:97:A:ARG:HA	1:97:A:ARG:HG3	14	0.15	0.03	0.15
(1,600)	1:33:A:THR:H	1:30:A:ALA:HA	14	0.15	0.03	0.15
(2,1379)	1:97:A:ARG:HG3	1:97:A:ARG:HB2	14	0.14	0.02	0.14
(2,194)	1:12:A:ARG:HA	1:12:A:ARG:HG2	14	0.12	0.02	0.12
(2,1557)	1:82:A:PHE:HA	1:82:A:PHE:HB3	14	0.11	0.0	0.11
(2,360)	1:16:A:LEU:HD21	1:20:A:GLN:H	13	1.21	0.04	1.21
(2,360)	1:16:A:LEU:HD22	1:20:A:GLN:H	13	1.21	0.04	1.21
(2,360)	1:16:A:LEU:HD23	1:20:A:GLN:H	13	1.21	0.04	1.21
(1,91)	1:71:A:ASN:HD21	1:71:A:ASN:HB2	13	1.07	0.01	1.07
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD21	13	0.93	0.02	0.94
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD22	13	0.93	0.02	0.94
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD23	13	0.93	0.02	0.94
(2,913)	1:43:A:GLU:HG2	1:42:A:PRO:HA	13	0.77	0.26	0.78
(2,682)	1:62:A:LEU:HD11	1:78:A:PRO:HB2	13	0.71	0.24	0.84
(2,682)	1:62:A:LEU:HD12	1:78:A:PRO:HB2	13	0.71	0.24	0.84
(2,682)	1:62:A:LEU:HD13	1:78:A:PRO:HB2	13	0.71	0.24	0.84
(2,1497)	1:79:A:THR:HA	1:79:A:THR:H	13	0.71	0.01	0.7
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD21	13	0.68	0.02	0.68
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD22	13	0.68	0.02	0.68
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD23	13	0.68	0.02	0.68
(2,1538)	1:98:A:LEU:HB3	1:99:A:THR:H	13	0.51	0.28	0.55
(1,45)	1:79:A:THR:H	1:79:A:THR:HA	13	0.51	0.01	0.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1480)	1:78:A:PRO:HA	1:79:A:THR:H	13	0.45	0.06	0.46
(2,356)	1:16:A:LEU:HG	1:16:A:LEU:HB3	13	0.41	0.01	0.41
(2,364)	1:17:A:SER:HB2	1:17:A:SER:H	13	0.39	0.05	0.41
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD21	13	0.39	0.04	0.39
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD22	13	0.39	0.04	0.39
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD23	13	0.39	0.04	0.39
(1,21)	1:7:A:THR:H	1:6:A:ALA:H	13	0.34	0.04	0.33
(2,1481)	1:78:A:PRO:HA	1:80:A:LEU:H	13	0.34	0.05	0.34
(1,17)	1:100:A:GLN:H	1:99:A:THR:H	13	0.28	0.15	0.29
(1,94)	1:71:A:ASN:HD22	1:68:A:LEU:HA	13	0.27	0.03	0.28
(2,1722)	1:92:A:GLN:HG3	1:92:A:GLN:H	13	0.27	0.08	0.28
(1,44)	1:79:A:THR:H	1:78:A:PRO:HA	13	0.25	0.06	0.26
(2,889)	1:42:A:PRO:HD2	1:41:A:THR:HA	13	0.18	0.05	0.16
(1,95)	1:71:A:ASN:HD22	1:71:A:ASN:HA	13	0.18	0.02	0.18
(2,156)	1:71:A:ASN:HA	1:71:A:ASN:HD22	13	0.18	0.02	0.18
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG21	13	0.18	0.06	0.16
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG22	13	0.18	0.06	0.16
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG23	13	0.18	0.06	0.16
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD21	13	0.17	0.05	0.15
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD22	13	0.17	0.05	0.15
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD23	13	0.17	0.05	0.15
(1,350)	1:17:A:SER:H	1:16:A:LEU:HB3	13	0.16	0.04	0.15
(2,1490)	1:79:A:THR:HA	1:79:A:THR:HB	13	0.16	0.03	0.15
(2,1270)	1:65:A:ARG:HA	1:68:A:LEU:HB3	13	0.15	0.02	0.14
(1,103)	1:71:A:ASN:H	1:71:A:ASN:HB2	13	0.15	0.02	0.14
(2,1710)	1:92:A:GLN:HB2	1:89:A:ALA:HA	13	0.14	0.02	0.14
(1,20)	1:35:A:THR:H	1:34:A:ALA:H	13	0.14	0.02	0.14
(1,52)	1:15:A:GLY:H	1:15:A:GLY:HA2	13	0.13	0.01	0.13
(2,1679)	1:90:A:LEU:HD21	1:90:A:LEU:HB3	13	0.13	0.03	0.13
(2,1679)	1:90:A:LEU:HD22	1:90:A:LEU:HB3	13	0.13	0.03	0.13
(2,1679)	1:90:A:LEU:HD23	1:90:A:LEU:HB3	13	0.13	0.03	0.13
(2,900)	1:41:A:THR:HG21	1:43:A:GLU:HB3	12	0.88	0.41	1.08
(2,900)	1:41:A:THR:HG22	1:43:A:GLU:HB3	12	0.88	0.41	1.08
(2,900)	1:41:A:THR:HG23	1:43:A:GLU:HB3	12	0.88	0.41	1.08
(2,1749)	1:95:A:HIS:HA	1:98:A:LEU:HB3	12	0.75	0.03	0.75
(2,1133)	1:58:A:SER:HB3	1:59:A:LEU:HG	12	0.63	0.5	0.36
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD21	12	0.52	0.1	0.53
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD22	12	0.52	0.1	0.53
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD23	12	0.52	0.1	0.53
(2,1044)	1:52:A:LYS:HB2	1:52:A:LYS:HE2	12	0.42	0.28	0.33
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG21	12	0.36	0.08	0.4
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG22	12	0.36	0.08	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG23	12	0.36	0.08	0.4
(2,1433)	1:71:A:ASN:HA	1:70:A:HIS:HD2	12	0.32	0.12	0.32
(2,478)	1:59:A:LEU:HG	1:60:A:THR:H	12	0.31	0.02	0.3
(1,566)	1:98:A:LEU:H	1:98:A:LEU:HB3	12	0.28	0.03	0.28
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD21	12	0.26	0.02	0.27
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD22	12	0.26	0.02	0.27
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD23	12	0.26	0.02	0.27
(2,1402)	1:45:A:ILE:HD11	1:44:A:SER:HB3	12	0.25	0.09	0.23
(2,1402)	1:45:A:ILE:HD12	1:44:A:SER:HB3	12	0.25	0.09	0.23
(2,1402)	1:45:A:ILE:HD13	1:44:A:SER:HB3	12	0.25	0.09	0.23
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG21	12	0.24	0.05	0.25
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG22	12	0.24	0.05	0.25
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG23	12	0.24	0.05	0.25
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG21	12	0.24	0.05	0.25
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG22	12	0.24	0.05	0.25
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG23	12	0.24	0.05	0.25
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG21	12	0.24	0.05	0.25
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG22	12	0.24	0.05	0.25
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG23	12	0.24	0.05	0.25
(2,34)	1:90:A:LEU:HB3	1:51:A:PHE:HZ	12	0.24	0.07	0.24
(2,1157)	1:56:A:ILE:HD11	1:60:A:THR:HB	12	0.22	0.06	0.21
(2,1157)	1:56:A:ILE:HD12	1:60:A:THR:HB	12	0.22	0.06	0.21
(2,1157)	1:56:A:ILE:HD13	1:60:A:THR:HB	12	0.22	0.06	0.21
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD21	12	0.2	0.04	0.21
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD22	12	0.2	0.04	0.21
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD23	12	0.2	0.04	0.21
(2,1188)	1:62:A:LEU:HB3	1:63:A:GLU:H	12	0.16	0.04	0.16
(1,529)	1:65:A:ARG:H	1:64:A:LEU:HB3	12	0.14	0.02	0.14
(2,794)	1:36:A:VAL:HG11	1:36:A:VAL:H	12	0.14	0.02	0.14
(2,794)	1:36:A:VAL:HG12	1:36:A:VAL:H	12	0.14	0.02	0.14
(2,794)	1:36:A:VAL:HG13	1:36:A:VAL:H	12	0.14	0.02	0.14
(2,875)	1:78:A:PRO:HB3	1:78:A:PRO:HA	12	0.14	0.01	0.14
(1,503)	1:100:A:GLN:H	1:99:A:THR:HA	12	0.13	0.01	0.13
(1,551)	1:12:A:ARG:H	1:12:A:ARG:HD3	11	1.04	0.05	1.04
(1,234)	1:102:A:HIS:H	1:101:A:SER:HB2	11	0.99	0.19	1.02
(2,1799)	1:99:A:THR:HG21	1:100:A:GLN:H	11	0.88	0.08	0.86
(2,1799)	1:99:A:THR:HG22	1:100:A:GLN:H	11	0.88	0.08	0.86
(2,1799)	1:99:A:THR:HG23	1:100:A:GLN:H	11	0.88	0.08	0.86
(2,191)	1:9:A:LEU:HA	1:12:A:ARG:HD3	11	0.72	0.06	0.69
(2,139)	1:7:A:THR:HG21	1:4:A:SER:HB3	11	0.65	0.09	0.67
(2,139)	1:7:A:THR:HG22	1:4:A:SER:HB3	11	0.65	0.09	0.67
(2,139)	1:7:A:THR:HG23	1:4:A:SER:HB3	11	0.65	0.09	0.67

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,281)	1:12:A:ARG:HD3	1:12:A:ARG:H	11	0.64	0.05	0.64
(2,923)	1:101:A:SER:HB2	1:102:A:HIS:H	11	0.59	0.19	0.62
(2,394)	1:19:A:GLN:HG2	1:19:A:GLN:HA	11	0.54	0.02	0.54
(1,479)	1:68:A:LEU:H	1:68:A:LEU:HG	11	0.4	0.04	0.41
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD21	11	0.22	0.03	0.22
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD22	11	0.22	0.03	0.22
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD23	11	0.22	0.03	0.22
(2,1334)	1:69:A:THR:HA	1:74:A:LEU:H	11	0.21	0.08	0.18
(2,1203)	1:62:A:LEU:HG	1:63:A:GLU:H	11	0.21	0.09	0.16
(2,220)	1:13:A:LEU:HD21	1:10:A:ALA:HA	11	0.2	0.03	0.2
(2,220)	1:13:A:LEU:HD22	1:10:A:ALA:HA	11	0.2	0.03	0.2
(2,220)	1:13:A:LEU:HD23	1:10:A:ALA:HA	11	0.2	0.03	0.2
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD11	11	0.2	0.05	0.19
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD12	11	0.2	0.05	0.19
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD13	11	0.2	0.05	0.19
(2,997)	1:49:A:THR:HG21	1:54:A:LEU:HG	11	0.17	0.06	0.16
(2,997)	1:49:A:THR:HG22	1:54:A:LEU:HG	11	0.17	0.06	0.16
(2,997)	1:49:A:THR:HG23	1:54:A:LEU:HG	11	0.17	0.06	0.16
(2,1789)	1:99:A:THR:HA	1:98:A:LEU:H	11	0.17	0.04	0.17
(1,571)	1:24:A:THR:H	1:23:A:GLN:HG2	11	0.11	0.01	0.11
(2,404)	1:23:A:GLN:HG2	1:24:A:THR:H	11	0.11	0.01	0.11
(2,416)	1:52:A:LYS:HD2	1:52:A:LYS:HE2	11	0.1	0.0	0.1
(2,141)	1:41:A:THR:HG21	1:43:A:GLU:HG2	10	0.66	0.22	0.76
(2,141)	1:41:A:THR:HG22	1:43:A:GLU:HG2	10	0.66	0.22	0.76
(2,141)	1:41:A:THR:HG23	1:43:A:GLU:HG2	10	0.66	0.22	0.76
(2,229)	1:10:A:ALA:HB1	1:14:A:ASN:HD22	10	0.64	0.07	0.66
(2,229)	1:10:A:ALA:HB2	1:14:A:ASN:HD22	10	0.64	0.07	0.66
(2,229)	1:10:A:ALA:HB3	1:14:A:ASN:HD22	10	0.64	0.07	0.66
(2,1764)	1:97:A:ARG:HD2	1:97:A:ARG:HA	10	0.64	0.06	0.64
(2,1539)	1:98:A:LEU:HB2	1:99:A:THR:H	10	0.56	0.12	0.58
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB1	10	0.4	0.03	0.39
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB2	10	0.4	0.03	0.39
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB3	10	0.4	0.03	0.39
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD21	10	0.31	0.07	0.3
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD22	10	0.31	0.07	0.3
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD23	10	0.31	0.07	0.3
(2,492)	1:22:A:GLN:HG2	1:19:A:GLN:HA	10	0.29	0.11	0.25
(2,1100)	1:81:A:ILE:HG21	1:90:A:LEU:HB2	10	0.28	0.21	0.18
(2,1100)	1:81:A:ILE:HG22	1:90:A:LEU:HB2	10	0.28	0.21	0.18
(2,1100)	1:81:A:ILE:HG23	1:90:A:LEU:HB2	10	0.28	0.21	0.18
(2,403)	1:19:A:GLN:HG2	1:20:A:GLN:H	10	0.24	0.05	0.24
(2,402)	1:22:A:GLN:HB2	1:23:A:GLN:H	10	0.23	0.06	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD11	10	0.22	0.07	0.25
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD12	10	0.22	0.07	0.25
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD13	10	0.22	0.07	0.25
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD11	10	0.22	0.07	0.25
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD12	10	0.22	0.07	0.25
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD13	10	0.22	0.07	0.25
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD11	10	0.22	0.07	0.25
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD12	10	0.22	0.07	0.25
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD13	10	0.22	0.07	0.25
(2,980)	1:49:A:THR:HB	1:54:A:LEU:HG	10	0.22	0.1	0.21
(2,1499)	1:79:A:THR:HA	1:78:A:PRO:HB3	10	0.2	0.13	0.16
(2,857)	1:37:A:LEU:HD21	1:54:A:LEU:H	10	0.18	0.07	0.18
(2,857)	1:37:A:LEU:HD22	1:54:A:LEU:H	10	0.18	0.07	0.18
(2,857)	1:37:A:LEU:HD23	1:54:A:LEU:H	10	0.18	0.07	0.18
(2,274)	1:12:A:ARG:HB2	1:12:A:ARG:HD3	10	0.17	0.04	0.17
(2,496)	1:23:A:GLN:HA	1:23:A:GLN:HG2	10	0.14	0.03	0.15
(1,224)	1:35:A:THR:H	1:35:A:THR:HB	10	0.12	0.01	0.12
(2,250)	1:12:A:ARG:HG2	1:12:A:ARG:HB3	10	0.11	0.01	0.11
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG21	9	0.87	0.1	0.88
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG22	9	0.87	0.1	0.88
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG23	9	0.87	0.1	0.88
(2,891)	1:41:A:THR:HB	1:43:A:GLU:H	9	0.84	0.09	0.79
(1,526)	1:20:A:GLN:H	1:20:A:GLN:HG3	9	0.59	0.04	0.61
(2,1374)	1:97:A:ARG:HD2	1:97:A:ARG:HB3	9	0.48	0.18	0.54
(1,162)	1:46:A:SER:H	1:46:A:SER:HB3	9	0.46	0.02	0.46
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG21	9	0.38	0.02	0.37
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG22	9	0.38	0.02	0.37
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG23	9	0.38	0.02	0.37
(2,494)	1:22:A:GLN:HG2	1:23:A:GLN:H	9	0.26	0.14	0.25
(2,897)	1:41:A:THR:HG21	1:44:A:SER:HB3	9	0.25	0.04	0.24
(2,897)	1:41:A:THR:HG22	1:44:A:SER:HB3	9	0.25	0.04	0.24
(2,897)	1:41:A:THR:HG23	1:44:A:SER:HB3	9	0.25	0.04	0.24
(1,398)	1:44:A:SER:H	1:43:A:GLU:HG2	9	0.23	0.1	0.17
(2,960)	1:47:A:PRO:HD2	1:46:A:SER:HB3	9	0.2	0.05	0.2
(2,296)	1:68:A:LEU:HB2	1:68:A:LEU:H	9	0.2	0.12	0.12
(2,464)	1:20:A:GLN:HG3	1:20:A:GLN:HA	9	0.15	0.03	0.14
(2,133)	1:35:A:THR:HG21	1:36:A:VAL:H	9	0.14	0.02	0.13
(2,133)	1:35:A:THR:HG22	1:36:A:VAL:H	9	0.14	0.02	0.13
(2,133)	1:35:A:THR:HG23	1:36:A:VAL:H	9	0.14	0.02	0.13
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB1	9	0.14	0.03	0.13
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB2	9	0.14	0.03	0.13
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB3	9	0.14	0.03	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,406)	1:48:A:ALA:H	1:47:A:PRO:HA	9	0.13	0.02	0.12
(1,159)	1:5:A:ALA:H	1:5:A:ALA:HA	9	0.13	0.01	0.12
(1,588)	1:96:A:THR:H	1:96:A:THR:HB	9	0.12	0.03	0.11
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG11	9	0.12	0.01	0.12
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG12	9	0.12	0.01	0.12
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG13	9	0.12	0.01	0.12
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG11	9	0.12	0.01	0.12
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG12	9	0.12	0.01	0.12
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG13	9	0.12	0.01	0.12
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG11	9	0.12	0.01	0.12
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG12	9	0.12	0.01	0.12
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG13	9	0.12	0.01	0.12
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD11	9	0.12	0.01	0.11
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD12	9	0.12	0.01	0.11
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD13	9	0.12	0.01	0.11
(2,1809)	1:101:A:SER:HB2	1:100:A:GLN:H	8	0.91	0.15	0.88
(2,355)	1:16:A:LEU:HG	1:20:A:GLN:HG3	8	0.76	0.49	0.54
(2,894)	1:41:A:THR:HB	1:43:A:GLU:HB2	8	0.55	0.16	0.6
(2,370)	1:17:A:SER:HB2	1:20:A:GLN:HG3	8	0.49	0.16	0.48
(2,1468)	1:74:A:LEU:HA	1:75:A:ASP:H	8	0.42	0.1	0.47
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG21	8	0.41	0.1	0.45
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG22	8	0.41	0.1	0.45
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG23	8	0.41	0.1	0.45
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD21	8	0.27	0.19	0.22
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD22	8	0.27	0.19	0.22
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD23	8	0.27	0.19	0.22
(2,7)	1:9:A:LEU:HD11	1:71:A:ASN:HA	8	0.21	0.07	0.2
(2,7)	1:9:A:LEU:HD12	1:71:A:ASN:HA	8	0.21	0.07	0.2
(2,7)	1:9:A:LEU:HD13	1:71:A:ASN:HA	8	0.21	0.07	0.2
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG21	8	0.19	0.16	0.14
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG22	8	0.19	0.16	0.14
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG23	8	0.19	0.16	0.14
(2,1755)	1:92:A:GLN:HA	1:95:A:HIS:HB3	8	0.19	0.04	0.18
(2,237)	1:50:A:ALA:HB1	1:85:A:PRO:HB3	8	0.15	0.02	0.15
(2,237)	1:50:A:ALA:HB2	1:85:A:PRO:HB3	8	0.15	0.02	0.15
(2,237)	1:50:A:ALA:HB3	1:85:A:PRO:HB3	8	0.15	0.02	0.15
(2,314)	1:85:A:PRO:HD2	1:84:A:HIS:H	8	0.14	0.03	0.14
(2,1914)	1:91:A:THR:HB	1:92:A:GLN:H	8	0.14	0.03	0.13
(2,651)	1:28:A:LEU:HD21	1:29:A:VAL:H	8	0.14	0.03	0.14
(2,651)	1:28:A:LEU:HD22	1:29:A:VAL:H	8	0.14	0.03	0.14
(2,651)	1:28:A:LEU:HD23	1:29:A:VAL:H	8	0.14	0.03	0.14
(2,1005)	1:57:A:ASP:HA	1:57:A:ASP:HB2	8	0.14	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,486)	1:22:A:GLN:HG3	1:22:A:GLN:HB2	8	0.12	0.01	0.13
(2,1231)	1:63:A:GLU:HG3	1:64:A:LEU:H	8	0.12	0.02	0.12
(1,24)	1:13:A:LEU:H	1:14:A:ASN:H	8	0.12	0.01	0.12
(2,1765)	1:97:A:ARG:HD3	1:97:A:ARG:HA	7	0.81	0.16	0.86
(2,337)	1:11:A:ALA:HA	1:14:A:ASN:HB2	7	0.33	0.08	0.33
(1,233)	1:102:A:HIS:H	1:102:A:HIS:HB2	7	0.32	0.1	0.34
(2,19)	1:102:A:HIS:HB3	1:102:A:HIS:HD2	7	0.3	0.07	0.3
(2,896)	1:41:A:THR:HG21	1:42:A:PRO:HD2	7	0.25	0.02	0.25
(2,896)	1:41:A:THR:HG22	1:42:A:PRO:HD2	7	0.25	0.02	0.25
(2,896)	1:41:A:THR:HG23	1:42:A:PRO:HD2	7	0.25	0.02	0.25
(1,249)	1:99:A:THR:H	1:98:A:LEU:HB2	7	0.22	0.08	0.21
(1,376)	1:58:A:SER:H	1:58:A:SER:HB3	7	0.2	0.05	0.18
(2,483)	1:22:A:GLN:HG2	1:22:A:GLN:HB3	7	0.2	0.05	0.22
(2,565)	1:28:A:LEU:HD11	1:71:A:ASN:HB2	7	0.14	0.03	0.13
(2,565)	1:28:A:LEU:HD12	1:71:A:ASN:HB2	7	0.14	0.03	0.13
(2,565)	1:28:A:LEU:HD13	1:71:A:ASN:HB2	7	0.14	0.03	0.13
(1,347)	1:17:A:SER:H	1:17:A:SER:HB2	7	0.13	0.02	0.13
(2,1234)	1:64:A:LEU:HA	1:65:A:ARG:HA	7	0.12	0.0	0.12
(2,1753)	1:95:A:HIS:HB2	1:95:A:HIS:HA	7	0.11	0.01	0.11
(2,1773)	1:97:A:ARG:HD2	1:100:A:GLN:H	6	0.72	0.17	0.76
(2,892)	1:43:A:GLU:HG2	1:41:A:THR:HB	6	0.7	0.34	0.8
(1,409)	1:4:A:SER:H	1:4:A:SER:HB2	6	0.34	0.11	0.38
(2,198)	1:9:A:LEU:HB2	1:98:A:LEU:HD21	6	0.24	0.1	0.22
(2,198)	1:9:A:LEU:HB2	1:98:A:LEU:HD22	6	0.24	0.1	0.22
(2,198)	1:9:A:LEU:HB2	1:98:A:LEU:HD23	6	0.24	0.1	0.22
(2,20)	1:102:A:HIS:HB2	1:102:A:HIS:HD2	6	0.24	0.06	0.26
(1,443)	1:75:A:ASP:H	1:74:A:LEU:HB2	6	0.23	0.03	0.23
(1,442)	1:75:A:ASP:H	1:75:A:ASP:HB3	6	0.18	0.09	0.16
(2,1473)	1:75:A:ASP:HB3	1:75:A:ASP:H	6	0.18	0.09	0.16
(2,1803)	1:100:A:GLN:HB2	1:100:A:GLN:H	6	0.18	0.04	0.2
(2,1844)	1:15:A:GLY:HA3	1:14:A:ASN:HB2	6	0.18	0.03	0.18
(1,440)	1:75:A:ASP:H	1:74:A:LEU:HA	6	0.18	0.01	0.18
(2,872)	1:42:A:PRO:HA	1:30:A:ALA:HB1	6	0.17	0.05	0.16
(2,872)	1:42:A:PRO:HA	1:30:A:ALA:HB2	6	0.17	0.05	0.16
(2,872)	1:42:A:PRO:HA	1:30:A:ALA:HB3	6	0.17	0.05	0.16
(2,1668)	1:90:A:LEU:HA	1:94:A:LEU:HD11	6	0.17	0.04	0.16
(2,1668)	1:90:A:LEU:HA	1:94:A:LEU:HD12	6	0.17	0.04	0.16
(2,1668)	1:90:A:LEU:HA	1:94:A:LEU:HD13	6	0.17	0.04	0.16
(2,1835)	1:13:A:LEU:HD21	1:95:A:HIS:HD2	6	0.16	0.04	0.17
(2,1835)	1:13:A:LEU:HD22	1:95:A:HIS:HD2	6	0.16	0.04	0.17
(2,1835)	1:13:A:LEU:HD23	1:95:A:HIS:HD2	6	0.16	0.04	0.17
(2,1174)	1:61:A:ALA:HB1	1:58:A:SER:HB2	6	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1174)	1:61:A:ALA:HB2	1:58:A:SER:HB2	6	0.14	0.02	0.14
(2,1174)	1:61:A:ALA:HB3	1:58:A:SER:HB2	6	0.14	0.02	0.14
(2,1500)	1:72:A:THR:HG21	1:74:A:LEU:H	6	0.13	0.01	0.14
(2,1500)	1:72:A:THR:HG22	1:74:A:LEU:H	6	0.13	0.01	0.14
(2,1500)	1:72:A:THR:HG23	1:74:A:LEU:H	6	0.13	0.01	0.14
(2,1907)	1:55:A:GLY:HA2	1:56:A:ILE:HB	6	0.13	0.03	0.12
(2,1887)	1:13:A:LEU:HG	1:14:A:ASN:H	6	0.12	0.01	0.12
(2,1051)	1:52:A:LYS:HG2	1:52:A:LYS:HB2	6	0.1	0.0	0.1
(2,280)	1:12:A:ARG:HD3	1:13:A:LEU:H	5	1.06	0.02	1.05
(1,444)	1:75:A:ASP:H	1:74:A:LEU:HD21	5	0.81	0.08	0.81
(1,444)	1:75:A:ASP:H	1:74:A:LEU:HD22	5	0.81	0.08	0.81
(1,444)	1:75:A:ASP:H	1:74:A:LEU:HD23	5	0.81	0.08	0.81
(2,1695)	1:91:A:THR:HA	1:90:A:LEU:HG	5	0.65	0.63	0.19
(2,851)	1:74:A:LEU:HD21	1:75:A:ASP:H	5	0.61	0.08	0.61
(2,851)	1:74:A:LEU:HD22	1:75:A:ASP:H	5	0.61	0.08	0.61
(2,851)	1:74:A:LEU:HD23	1:75:A:ASP:H	5	0.61	0.08	0.61
(2,92)	1:4:A:SER:HA	1:3:A:ALA:HB1	5	0.53	0.2	0.41
(2,92)	1:4:A:SER:HA	1:3:A:ALA:HB2	5	0.53	0.2	0.41
(2,92)	1:4:A:SER:HA	1:3:A:ALA:HB3	5	0.53	0.2	0.41
(2,1429)	1:102:A:HIS:HD2	1:101:A:SER:HB2	5	0.48	0.23	0.46
(2,273)	1:12:A:ARG:HB3	1:12:A:ARG:HD3	5	0.47	0.02	0.48
(2,276)	1:12:A:ARG:HD3	1:9:A:LEU:HD11	5	0.4	0.11	0.42
(2,276)	1:12:A:ARG:HD3	1:9:A:LEU:HD12	5	0.4	0.11	0.42
(2,276)	1:12:A:ARG:HD3	1:9:A:LEU:HD13	5	0.4	0.11	0.42
(2,96)	1:4:A:SER:HB3	1:7:A:THR:HB	5	0.32	0.14	0.4
(2,487)	1:22:A:GLN:HG3	1:95:A:HIS:HB2	5	0.31	0.17	0.33
(2,1007)	1:39:A:HIS:HA	1:39:A:HIS:HD2	5	0.25	0.05	0.23
(1,500)	1:100:A:GLN:H	1:100:A:GLN:HB3	5	0.22	0.09	0.27
(2,22)	1:40:A:HIS:HD2	1:40:A:HIS:HB2	5	0.21	0.06	0.24
(1,130)	1:69:A:THR:H	1:69:A:THR:HB	5	0.14	0.03	0.15
(2,1350)	1:70:A:HIS:HB3	1:71:A:ASN:H	5	0.14	0.03	0.14
(2,76)	1:81:A:ILE:HD11	1:51:A:PHE:HE1	5	0.14	0.01	0.14
(2,76)	1:81:A:ILE:HD11	1:51:A:PHE:HE2	5	0.14	0.01	0.14
(2,76)	1:81:A:ILE:HD12	1:51:A:PHE:HE1	5	0.14	0.01	0.14
(2,76)	1:81:A:ILE:HD12	1:51:A:PHE:HE2	5	0.14	0.01	0.14
(2,76)	1:81:A:ILE:HD13	1:51:A:PHE:HE1	5	0.14	0.01	0.14
(2,76)	1:81:A:ILE:HD13	1:51:A:PHE:HE2	5	0.14	0.01	0.14
(2,765)	1:61:A:ALA:HA	1:56:A:ILE:HB	5	0.14	0.03	0.12
(2,1849)	1:84:A:HIS:HD2	1:84:A:HIS:H	5	0.14	0.03	0.13
(2,1154)	1:60:A:THR:HB	1:63:A:GLU:H	5	0.13	0.02	0.13
(2,1248)	1:64:A:LEU:HD11	1:90:A:LEU:HB3	5	0.13	0.02	0.12
(2,1248)	1:64:A:LEU:HD12	1:90:A:LEU:HB3	5	0.13	0.02	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1248)	1:64:A:LEU:HD13	1:90:A:LEU:HB3	5	0.13	0.02	0.12
(1,5)	1:88:A:HIS:H	1:89:A:ALA:H	5	0.12	0.01	0.12
(2,640)	1:45:A:ILE:HG21	1:45:A:ILE:HG12	5	0.1	0.0	0.1
(2,640)	1:45:A:ILE:HG22	1:45:A:ILE:HG12	5	0.1	0.0	0.1
(2,640)	1:45:A:ILE:HG23	1:45:A:ILE:HG12	5	0.1	0.0	0.1
(2,1841)	1:98:A:LEU:HD21	1:95:A:HIS:HD2	4	1.57	0.51	1.62
(2,1841)	1:98:A:LEU:HD22	1:95:A:HIS:HD2	4	1.57	0.51	1.62
(2,1841)	1:98:A:LEU:HD23	1:95:A:HIS:HD2	4	1.57	0.51	1.62
(2,1784)	1:98:A:LEU:HD11	1:94:A:LEU:HA	4	1.21	0.07	1.22
(2,1784)	1:98:A:LEU:HD12	1:94:A:LEU:HA	4	1.21	0.07	1.22
(2,1784)	1:98:A:LEU:HD13	1:94:A:LEU:HA	4	1.21	0.07	1.22
(1,422)	1:66:A:ASN:HD21	1:66:A:ASN:H	4	0.85	0.04	0.86
(2,686)	1:62:A:LEU:HD11	1:66:A:ASN:HD21	4	0.83	0.04	0.84
(2,686)	1:62:A:LEU:HD12	1:66:A:ASN:HD21	4	0.83	0.04	0.84
(2,686)	1:62:A:LEU:HD13	1:66:A:ASN:HD21	4	0.83	0.04	0.84
(2,1782)	1:98:A:LEU:HD21	1:98:A:LEU:HA	4	0.75	0.01	0.74
(2,1782)	1:98:A:LEU:HD22	1:98:A:LEU:HA	4	0.75	0.01	0.74
(2,1782)	1:98:A:LEU:HD23	1:98:A:LEU:HA	4	0.75	0.01	0.74
(2,914)	1:43:A:GLU:HG2	1:43:A:GLU:H	4	0.68	0.09	0.68
(2,82)	1:3:A:ALA:HA	1:4:A:SER:H	4	0.67	0.5	0.67
(2,1143)	1:59:A:LEU:HD11	1:59:A:LEU:HA	4	0.64	0.01	0.64
(2,1143)	1:59:A:LEU:HD12	1:59:A:LEU:HA	4	0.64	0.01	0.64
(2,1143)	1:59:A:LEU:HD13	1:59:A:LEU:HA	4	0.64	0.01	0.64
(2,1259)	1:64:A:LEU:HD21	1:90:A:LEU:HD21	4	0.51	0.37	0.5
(2,1259)	1:64:A:LEU:HD21	1:90:A:LEU:HD22	4	0.51	0.37	0.5
(2,1259)	1:64:A:LEU:HD21	1:90:A:LEU:HD23	4	0.51	0.37	0.5
(2,1259)	1:64:A:LEU:HD22	1:90:A:LEU:HD21	4	0.51	0.37	0.5
(2,1259)	1:64:A:LEU:HD22	1:90:A:LEU:HD22	4	0.51	0.37	0.5
(2,1259)	1:64:A:LEU:HD22	1:90:A:LEU:HD23	4	0.51	0.37	0.5
(2,1259)	1:64:A:LEU:HD23	1:90:A:LEU:HD21	4	0.51	0.37	0.5
(2,1259)	1:64:A:LEU:HD23	1:90:A:LEU:HD22	4	0.51	0.37	0.5
(2,1259)	1:64:A:LEU:HD23	1:90:A:LEU:HD23	4	0.51	0.37	0.5
(2,1531)	1:98:A:LEU:HB3	1:98:A:LEU:HD11	4	0.5	0.02	0.49
(2,1531)	1:98:A:LEU:HB3	1:98:A:LEU:HD12	4	0.5	0.02	0.49
(2,1531)	1:98:A:LEU:HB3	1:98:A:LEU:HD13	4	0.5	0.02	0.49
(1,568)	1:98:A:LEU:H	1:98:A:LEU:HD11	4	0.33	0.03	0.32
(1,568)	1:98:A:LEU:H	1:98:A:LEU:HD12	4	0.33	0.03	0.32
(1,568)	1:98:A:LEU:H	1:98:A:LEU:HD13	4	0.33	0.03	0.32
(2,1783)	1:98:A:LEU:HD11	1:98:A:LEU:H	4	0.33	0.03	0.32
(2,1783)	1:98:A:LEU:HD12	1:98:A:LEU:H	4	0.33	0.03	0.32
(2,1783)	1:98:A:LEU:HD13	1:98:A:LEU:H	4	0.33	0.03	0.32
(1,438)	1:75:A:ASP:H	1:76:A:LEU:H	4	0.3	0.07	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7)	1:61:A:ALA:H	1:57:A:ASP:H	4	0.25	0.04	0.26
(2,489)	1:22:A:GLN:HG3	1:22:A:GLN:HA	4	0.23	0.06	0.21
(2,111)	1:6:A:ALA:HB1	1:4:A:SER:HB3	4	0.22	0.05	0.2
(2,111)	1:6:A:ALA:HB2	1:4:A:SER:HB3	4	0.22	0.05	0.2
(2,111)	1:6:A:ALA:HB3	1:4:A:SER:HB3	4	0.22	0.05	0.2
(2,490)	1:22:A:GLN:HG2	1:22:A:GLN:HA	4	0.18	0.06	0.18
(2,401)	1:22:A:GLN:HB3	1:23:A:GLN:H	4	0.18	0.03	0.16
(2,1736)	1:94:A:LEU:HA	1:93:A:HIS:HD2	4	0.17	0.08	0.14
(1,292)	1:37:A:LEU:H	1:36:A:VAL:HG11	4	0.16	0.08	0.12
(1,292)	1:37:A:LEU:H	1:36:A:VAL:HG12	4	0.16	0.08	0.12
(1,292)	1:37:A:LEU:H	1:36:A:VAL:HG13	4	0.16	0.08	0.12
(2,24)	1:39:A:HIS:HD2	1:39:A:HIS:HB2	4	0.16	0.05	0.14
(2,265)	1:12:A:ARG:HG2	1:11:A:ALA:HB1	4	0.14	0.04	0.14
(2,265)	1:12:A:ARG:HG2	1:11:A:ALA:HB2	4	0.14	0.04	0.14
(2,265)	1:12:A:ARG:HG2	1:11:A:ALA:HB3	4	0.14	0.04	0.14
(2,1448)	1:95:A:HIS:HB3	1:95:A:HIS:H	4	0.14	0.02	0.14
(2,1096)	1:56:A:ILE:HG12	1:64:A:LEU:HD11	4	0.14	0.06	0.12
(2,1096)	1:56:A:ILE:HG12	1:64:A:LEU:HD12	4	0.14	0.06	0.12
(2,1096)	1:56:A:ILE:HG12	1:64:A:LEU:HD13	4	0.14	0.06	0.12
(2,1006)	1:57:A:ASP:HA	1:57:A:ASP:H	4	0.14	0.02	0.13
(2,731)	1:31:A:ALA:HA	1:42:A:PRO:HG2	4	0.13	0.01	0.14
(2,1276)	1:65:A:ARG:HA	1:62:A:LEU:HA	4	0.13	0.03	0.12
(2,1836)	1:13:A:LEU:HD21	1:13:A:LEU:H	4	0.13	0.02	0.13
(2,1836)	1:13:A:LEU:HD22	1:13:A:LEU:H	4	0.13	0.02	0.13
(2,1836)	1:13:A:LEU:HD23	1:13:A:LEU:H	4	0.13	0.02	0.13
(2,1409)	1:56:A:ILE:HD11	1:37:A:LEU:H	4	0.12	0.02	0.12
(2,1409)	1:56:A:ILE:HD12	1:37:A:LEU:H	4	0.12	0.02	0.12
(2,1409)	1:56:A:ILE:HD13	1:37:A:LEU:H	4	0.12	0.02	0.12
(2,927)	1:56:A:ILE:HD11	1:56:A:ILE:HA	4	0.12	0.01	0.12
(2,927)	1:56:A:ILE:HD12	1:56:A:ILE:HA	4	0.12	0.01	0.12
(2,927)	1:56:A:ILE:HD13	1:56:A:ILE:HA	4	0.12	0.01	0.12
(1,105)	1:73:A:GLY:H	1:94:A:LEU:HD21	4	0.12	0.01	0.11
(1,105)	1:73:A:GLY:H	1:94:A:LEU:HD22	4	0.12	0.01	0.11
(1,105)	1:73:A:GLY:H	1:94:A:LEU:HD23	4	0.12	0.01	0.11
(2,1278)	1:65:A:ARG:HA	1:65:A:ARG:H	4	0.11	0.0	0.11
(2,1813)	1:81:A:ILE:HG12	1:81:A:ILE:HD11	4	0.1	0.0	0.1
(2,1813)	1:81:A:ILE:HG12	1:81:A:ILE:HD12	4	0.1	0.0	0.1
(2,1813)	1:81:A:ILE:HG12	1:81:A:ILE:HD13	4	0.1	0.0	0.1
(2,155)	1:71:A:ASN:HA	1:71:A:ASN:HD21	3	1.28	0.03	1.27
(1,92)	1:71:A:ASN:HD21	1:71:A:ASN:HA	3	1.08	0.03	1.07
(1,392)	1:38:A:GLY:H	1:37:A:LEU:HB2	3	0.98	0.08	0.95
(2,1718)	1:100:A:GLN:HG2	1:99:A:THR:HB	3	0.81	0.46	1.04

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,254)	1:79:A:THR:H	1:78:A:PRO:HB3	3	0.76	0.01	0.76
(2,358)	1:16:A:LEU:HD21	1:13:A:LEU:HA	3	0.76	0.01	0.76
(2,358)	1:16:A:LEU:HD22	1:13:A:LEU:HA	3	0.76	0.01	0.76
(2,358)	1:16:A:LEU:HD23	1:13:A:LEU:HA	3	0.76	0.01	0.76
(2,1871)	1:16:A:LEU:HD21	1:15:A:GLY:HA2	3	0.74	0.08	0.7
(2,1871)	1:16:A:LEU:HD22	1:15:A:GLY:HA2	3	0.74	0.08	0.7
(2,1871)	1:16:A:LEU:HD23	1:15:A:GLY:HA2	3	0.74	0.08	0.7
(2,1793)	1:100:A:GLN:HG3	1:99:A:THR:HG21	3	0.53	0.22	0.51
(2,1793)	1:100:A:GLN:HG3	1:99:A:THR:HG22	3	0.53	0.22	0.51
(2,1793)	1:100:A:GLN:HG3	1:99:A:THR:HG23	3	0.53	0.22	0.51
(2,365)	1:17:A:SER:HB3	1:17:A:SER:H	3	0.51	0.03	0.53
(2,1431)	1:67:A:THR:HB	1:71:A:ASN:HD21	3	0.5	0.07	0.46
(2,1505)	1:72:A:THR:HG21	1:71:A:ASN:HB2	3	0.46	0.07	0.47
(2,1505)	1:72:A:THR:HG22	1:71:A:ASN:HB2	3	0.46	0.07	0.47
(2,1505)	1:72:A:THR:HG23	1:71:A:ASN:HB2	3	0.46	0.07	0.47
(2,1446)	1:95:A:HIS:HB3	1:96:A:THR:H	3	0.45	0.22	0.5
(2,1173)	1:61:A:ALA:HB1	1:58:A:SER:HA	3	0.39	0.14	0.47
(2,1173)	1:61:A:ALA:HB2	1:58:A:SER:HA	3	0.39	0.14	0.47
(2,1173)	1:61:A:ALA:HB3	1:58:A:SER:HA	3	0.39	0.14	0.47
(1,128)	1:69:A:THR:H	1:69:A:THR:HG21	3	0.38	0.08	0.34
(1,128)	1:69:A:THR:H	1:69:A:THR:HG22	3	0.38	0.08	0.34
(1,128)	1:69:A:THR:H	1:69:A:THR:HG23	3	0.38	0.08	0.34
(2,114)	1:6:A:ALA:HB1	1:7:A:THR:H	3	0.35	0.07	0.33
(2,114)	1:6:A:ALA:HB2	1:7:A:THR:H	3	0.35	0.07	0.33
(2,114)	1:6:A:ALA:HB3	1:7:A:THR:H	3	0.35	0.07	0.33
(2,353)	1:16:A:LEU:HG	1:16:A:LEU:HA	3	0.3	0.01	0.29
(1,258)	1:72:A:THR:H	1:71:A:ASN:HB2	3	0.27	0.02	0.29
(1,185)	1:16:A:LEU:H	1:16:A:LEU:HD21	3	0.26	0.09	0.3
(1,185)	1:16:A:LEU:H	1:16:A:LEU:HD22	3	0.26	0.09	0.3
(1,185)	1:16:A:LEU:H	1:16:A:LEU:HD23	3	0.26	0.09	0.3
(1,89)	1:71:A:ASN:HD21	1:71:A:ASN:HB3	3	0.23	0.02	0.23
(2,1426)	1:88:A:HIS:HD2	1:92:A:GLN:HG3	3	0.21	0.02	0.21
(2,922)	1:44:A:SER:HB2	1:41:A:THR:HG21	3	0.2	0.03	0.19
(2,922)	1:44:A:SER:HB2	1:41:A:THR:HG22	3	0.2	0.03	0.19
(2,922)	1:44:A:SER:HB2	1:41:A:THR:HG23	3	0.2	0.03	0.19
(2,1741)	1:94:A:LEU:HA	1:74:A:LEU:HB2	3	0.19	0.07	0.17
(2,465)	1:20:A:GLN:HG3	1:20:A:GLN:H	3	0.19	0.02	0.2
(2,1819)	1:5:A:ALA:HB1	1:8:A:ASP:HB2	3	0.19	0.03	0.17
(2,1819)	1:5:A:ALA:HB2	1:8:A:ASP:HB2	3	0.19	0.03	0.17
(2,1819)	1:5:A:ALA:HB3	1:8:A:ASP:HB2	3	0.19	0.03	0.17
(2,1274)	1:65:A:ARG:HA	1:65:A:ARG:HG2	3	0.18	0.05	0.16
(1,475)	1:68:A:LEU:H	1:68:A:LEU:HB2	3	0.17	0.02	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,359)	1:16:A:LEU:HD21	1:21:A:GLN:HG2	3	0.17	0.02	0.18
(2,359)	1:16:A:LEU:HD22	1:21:A:GLN:HG2	3	0.17	0.02	0.18
(2,359)	1:16:A:LEU:HD23	1:21:A:GLN:HG2	3	0.17	0.02	0.18
(1,484)	1:68:A:LEU:H	1:67:A:THR:HB	3	0.16	0.01	0.17
(2,354)	1:16:A:LEU:HG	1:16:A:LEU:H	3	0.14	0.03	0.13
(2,351)	1:16:A:LEU:HA	1:16:A:LEU:HD21	3	0.14	0.02	0.14
(2,351)	1:16:A:LEU:HA	1:16:A:LEU:HD22	3	0.14	0.02	0.14
(2,351)	1:16:A:LEU:HA	1:16:A:LEU:HD23	3	0.14	0.02	0.14
(2,736)	1:26:A:ALA:HA	1:91:A:THR:HG21	3	0.14	0.02	0.15
(2,736)	1:26:A:ALA:HA	1:91:A:THR:HG22	3	0.14	0.02	0.15
(2,736)	1:26:A:ALA:HA	1:91:A:THR:HG23	3	0.14	0.02	0.15
(2,1320)	1:68:A:LEU:HG	1:68:A:LEU:HB2	3	0.12	0.0	0.12
(2,1244)	1:64:A:LEU:HB3	1:64:A:LEU:HD11	3	0.12	0.03	0.1
(2,1244)	1:64:A:LEU:HB3	1:64:A:LEU:HD12	3	0.12	0.03	0.1
(2,1244)	1:64:A:LEU:HB3	1:64:A:LEU:HD13	3	0.12	0.03	0.1
(2,1303)	1:66:A:ASN:HB3	1:66:A:ASN:HD21	3	0.11	0.0	0.11
(2,1439)	1:72:A:THR:HB	1:74:A:LEU:HB2	3	0.11	0.01	0.12
(2,267)	1:12:A:ARG:HG3	1:13:A:LEU:H	3	0.11	0.01	0.11
(1,356)	1:91:A:THR:H	1:91:A:THR:HB	3	0.1	0.0	0.1
(2,1834)	1:64:A:LEU:HD11	1:90:A:LEU:HD11	2	1.04	0.08	1.04
(2,1834)	1:64:A:LEU:HD11	1:90:A:LEU:HD12	2	1.04	0.08	1.04
(2,1834)	1:64:A:LEU:HD11	1:90:A:LEU:HD13	2	1.04	0.08	1.04
(2,1834)	1:64:A:LEU:HD12	1:90:A:LEU:HD11	2	1.04	0.08	1.04
(2,1834)	1:64:A:LEU:HD12	1:90:A:LEU:HD12	2	1.04	0.08	1.04
(2,1834)	1:64:A:LEU:HD12	1:90:A:LEU:HD13	2	1.04	0.08	1.04
(2,1834)	1:64:A:LEU:HD13	1:90:A:LEU:HD11	2	1.04	0.08	1.04
(2,1834)	1:64:A:LEU:HD13	1:90:A:LEU:HD12	2	1.04	0.08	1.04
(2,1834)	1:64:A:LEU:HD13	1:90:A:LEU:HD13	2	1.04	0.08	1.04
(2,1325)	1:68:A:LEU:HG	1:65:A:ARG:HA	2	0.97	0.05	0.97
(2,1892)	1:90:A:LEU:HG	1:90:A:LEU:H	2	0.88	0.07	0.88
(1,410)	1:4:A:SER:H	1:2:A:ALA:HB1	2	0.84	0.02	0.84
(1,410)	1:4:A:SER:H	1:2:A:ALA:HB2	2	0.84	0.02	0.84
(1,410)	1:4:A:SER:H	1:2:A:ALA:HB3	2	0.84	0.02	0.84
(1,501)	1:100:A:GLN:H	1:100:A:GLN:HG3	2	0.73	0.2	0.73
(2,1319)	1:68:A:LEU:HB3	1:68:A:LEU:H	2	0.62	0.02	0.62
(2,1620)	1:87:A:PRO:HA	1:90:A:LEU:HB3	2	0.6	0.09	0.6
(1,408)	1:4:A:SER:H	1:3:A:ALA:HA	2	0.57	0.02	0.57
(2,1854)	1:74:A:LEU:HG	1:74:A:LEU:HB2	2	0.54	0.01	0.54
(2,1043)	1:52:A:LYS:HB3	1:52:A:LYS:HE2	2	0.51	0.16	0.51
(2,240)	1:10:A:ALA:HB1	1:98:A:LEU:HD21	2	0.5	0.03	0.5
(2,240)	1:10:A:ALA:HB1	1:98:A:LEU:HD22	2	0.5	0.03	0.5
(2,240)	1:10:A:ALA:HB1	1:98:A:LEU:HD23	2	0.5	0.03	0.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,240)	1:10:A:ALA:HB2	1:98:A:LEU:HD21	2	0.5	0.03	0.5
(2,240)	1:10:A:ALA:HB2	1:98:A:LEU:HD22	2	0.5	0.03	0.5
(2,240)	1:10:A:ALA:HB2	1:98:A:LEU:HD23	2	0.5	0.03	0.5
(2,240)	1:10:A:ALA:HB3	1:98:A:LEU:HD21	2	0.5	0.03	0.5
(2,240)	1:10:A:ALA:HB3	1:98:A:LEU:HD22	2	0.5	0.03	0.5
(2,240)	1:10:A:ALA:HB3	1:98:A:LEU:HD23	2	0.5	0.03	0.5
(2,1873)	1:98:A:LEU:HD21	1:10:A:ALA:HA	2	0.48	0.01	0.48
(2,1873)	1:98:A:LEU:HD22	1:10:A:ALA:HA	2	0.48	0.01	0.48
(2,1873)	1:98:A:LEU:HD23	1:10:A:ALA:HA	2	0.48	0.01	0.48
(2,235)	1:50:A:ALA:HB1	1:52:A:LYS:HE2	2	0.42	0.13	0.42
(2,235)	1:50:A:ALA:HB2	1:52:A:LYS:HE2	2	0.42	0.13	0.42
(2,235)	1:50:A:ALA:HB3	1:52:A:LYS:HE2	2	0.42	0.13	0.42
(1,569)	1:98:A:LEU:H	1:98:A:LEU:HD21	2	0.34	0.01	0.34
(1,569)	1:98:A:LEU:H	1:98:A:LEU:HD22	2	0.34	0.01	0.34
(1,569)	1:98:A:LEU:H	1:98:A:LEU:HD23	2	0.34	0.01	0.34
(2,1547)	1:90:A:LEU:HD21	1:81:A:ILE:HA	2	0.32	0.01	0.32
(2,1547)	1:90:A:LEU:HD22	1:81:A:ILE:HA	2	0.32	0.01	0.32
(2,1547)	1:90:A:LEU:HD23	1:81:A:ILE:HA	2	0.32	0.01	0.32
(1,586)	1:96:A:THR:H	1:95:A:HIS:HB3	2	0.3	0.1	0.3
(1,490)	1:102:A:HIS:H	1:102:A:HIS:HB3	2	0.29	0.11	0.29
(2,372)	1:18:A:PRO:HA	1:18:A:PRO:HD3	2	0.29	0.05	0.29
(1,248)	1:99:A:THR:H	1:98:A:LEU:HB3	2	0.28	0.06	0.28
(2,1806)	1:100:A:GLN:HG3	1:97:A:ARG:HA	2	0.24	0.12	0.24
(1,478)	1:68:A:LEU:H	1:68:A:LEU:HB3	2	0.22	0.02	0.22
(2,36)	1:82:A:PHE:HZ	1:58:A:SER:HA	2	0.22	0.05	0.22
(2,1656)	1:89:A:ALA:HB1	1:51:A:PHE:HE1	2	0.21	0.01	0.21
(2,1656)	1:89:A:ALA:HB1	1:51:A:PHE:HE2	2	0.21	0.01	0.21
(2,1656)	1:89:A:ALA:HB2	1:51:A:PHE:HE1	2	0.21	0.01	0.21
(2,1656)	1:89:A:ALA:HB2	1:51:A:PHE:HE2	2	0.21	0.01	0.21
(2,1656)	1:89:A:ALA:HB3	1:51:A:PHE:HE1	2	0.21	0.01	0.21
(2,1656)	1:89:A:ALA:HB3	1:51:A:PHE:HE2	2	0.21	0.01	0.21
(1,354)	1:91:A:THR:H	1:90:A:LEU:HB2	2	0.21	0.0	0.21
(2,481)	1:22:A:GLN:HB3	1:19:A:GLN:HA	2	0.2	0.08	0.2
(2,1339)	1:69:A:THR:HA	1:74:A:LEU:HB2	2	0.2	0.03	0.2
(1,219)	1:7:A:THR:H	1:6:A:ALA:HB1	2	0.19	0.06	0.19
(1,219)	1:7:A:THR:H	1:6:A:ALA:HB2	2	0.19	0.06	0.19
(1,219)	1:7:A:THR:H	1:6:A:ALA:HB3	2	0.19	0.06	0.19
(2,1666)	1:90:A:LEU:HB3	1:90:A:LEU:HA	2	0.18	0.02	0.18
(2,1544)	1:81:A:ILE:HA	1:84:A:HIS:HB2	2	0.18	0.04	0.18
(1,348)	1:17:A:SER:H	1:20:A:GLN:HB3	2	0.16	0.01	0.16
(1,273)	1:81:A:ILE:H	1:78:A:PRO:HA	2	0.15	0.03	0.15
(2,136)	1:7:A:THR:HG21	1:8:A:ASP:H	2	0.15	0.0	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,136)	1:7:A:THR:HG22	1:8:A:ASP:H	2	0.15	0.0	0.15
(2,136)	1:7:A:THR:HG23	1:8:A:ASP:H	2	0.15	0.0	0.15
(2,376)	1:18:A:PRO:HA	1:21:A:GLN:HG2	2	0.15	0.02	0.15
(2,735)	1:50:A:ALA:HB1	1:85:A:PRO:HB2	2	0.15	0.03	0.15
(2,735)	1:50:A:ALA:HB2	1:85:A:PRO:HB2	2	0.15	0.03	0.15
(2,735)	1:50:A:ALA:HB3	1:85:A:PRO:HB2	2	0.15	0.03	0.15
(1,592)	1:101:A:SER:H	1:101:A:SER:HB2	2	0.14	0.03	0.14
(2,1172)	1:61:A:ALA:HB1	1:81:A:ILE:HB	2	0.14	0.0	0.14
(2,1172)	1:61:A:ALA:HB2	1:81:A:ILE:HB	2	0.14	0.0	0.14
(2,1172)	1:61:A:ALA:HB3	1:81:A:ILE:HB	2	0.14	0.0	0.14
(2,1404)	1:45:A:ILE:HD11	1:33:A:THR:H	2	0.14	0.02	0.14
(2,1404)	1:45:A:ILE:HD12	1:33:A:THR:H	2	0.14	0.02	0.14
(2,1404)	1:45:A:ILE:HD13	1:33:A:THR:H	2	0.14	0.02	0.14
(1,346)	1:17:A:SER:H	1:17:A:SER:HB3	2	0.14	0.01	0.14
(2,1440)	1:72:A:THR:HB	1:9:A:LEU:HD21	2	0.14	0.01	0.14
(2,1440)	1:72:A:THR:HB	1:9:A:LEU:HD22	2	0.14	0.01	0.14
(2,1440)	1:72:A:THR:HB	1:9:A:LEU:HD23	2	0.14	0.01	0.14
(1,353)	1:91:A:THR:H	1:90:A:LEU:HB3	2	0.13	0.02	0.13
(1,539)	1:92:A:GLN:H	1:92:A:GLN:HG3	2	0.13	0.03	0.13
(1,3)	1:52:A:LYS:H	1:51:A:PHE:H	2	0.12	0.02	0.12
(1,242)	1:45:A:ILE:H	1:42:A:PRO:HA	2	0.12	0.01	0.12
(2,763)	1:61:A:ALA:HA	1:64:A:LEU:HA	2	0.12	0.01	0.12
(2,1004)	1:57:A:ASP:HB3	1:57:A:ASP:HA	2	0.12	0.01	0.12
(2,784)	1:35:A:THR:HB	1:37:A:LEU:H	2	0.12	0.0	0.12
(2,1380)	1:97:A:ARG:HB3	1:97:A:ARG:HG3	2	0.12	0.01	0.12
(1,19)	1:35:A:THR:H	1:36:A:VAL:H	2	0.12	0.0	0.12
(1,472)	1:8:A:ASP:H	1:8:A:ASP:HB2	2	0.12	0.0	0.12
(2,10)	1:95:A:HIS:HD2	1:25:A:LEU:HD11	2	0.11	0.0	0.11
(2,10)	1:95:A:HIS:HD2	1:25:A:LEU:HD12	2	0.11	0.0	0.11
(2,10)	1:95:A:HIS:HD2	1:25:A:LEU:HD13	2	0.11	0.0	0.11
(2,702)	1:83:A:ASP:HB2	1:83:A:ASP:HA	2	0.11	0.0	0.11
(2,959)	1:47:A:PRO:HD3	1:46:A:SER:HB3	2	0.11	0.01	0.11
(2,1701)	1:29:A:VAL:HG21	1:28:A:LEU:HD21	2	0.11	0.0	0.11
(2,1701)	1:29:A:VAL:HG21	1:28:A:LEU:HD22	2	0.11	0.0	0.11
(2,1701)	1:29:A:VAL:HG21	1:28:A:LEU:HD23	2	0.11	0.0	0.11
(2,1701)	1:29:A:VAL:HG22	1:28:A:LEU:HD21	2	0.11	0.0	0.11
(2,1701)	1:29:A:VAL:HG22	1:28:A:LEU:HD22	2	0.11	0.0	0.11
(2,1701)	1:29:A:VAL:HG22	1:28:A:LEU:HD23	2	0.11	0.0	0.11
(2,1701)	1:29:A:VAL:HG23	1:28:A:LEU:HD21	2	0.11	0.0	0.11
(2,1701)	1:29:A:VAL:HG23	1:28:A:LEU:HD22	2	0.11	0.0	0.11
(2,1701)	1:29:A:VAL:HG23	1:28:A:LEU:HD23	2	0.11	0.0	0.11
(2,548)	1:25:A:LEU:HA	1:24:A:THR:HB	2	0.11	0.0	0.11

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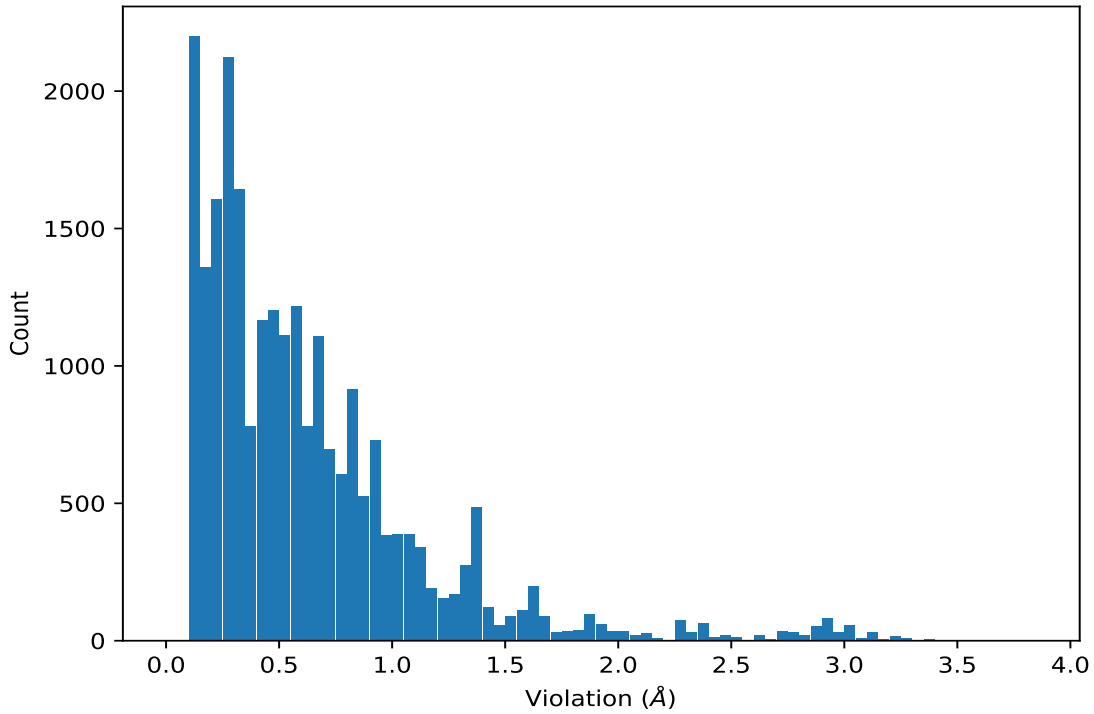
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1295)	1:66:A:ASN:HB3	1:66:A:ASN:HA	2	0.11	0.0	0.11
(1,594)	1:33:A:THR:H	1:32:A:ALA:HB1	2	0.1	0.0	0.1
(1,594)	1:33:A:THR:H	1:32:A:ALA:HB2	2	0.1	0.0	0.1
(1,594)	1:33:A:THR:H	1:32:A:ALA:HB3	2	0.1	0.0	0.1

[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)
(2,1794)	1:99:A:THR:HG21	1:101:A:SER:HB2	13	3.81
(2,1794)	1:99:A:THR:HG22	1:101:A:SER:HB2	13	3.81
(2,1794)	1:99:A:THR:HG23	1:101:A:SER:HB2	13	3.81
(2,1797)	1:99:A:THR:HG21	1:95:A:HIS:HD2	6	3.71
(2,1797)	1:99:A:THR:HG22	1:95:A:HIS:HD2	6	3.71
(2,1797)	1:99:A:THR:HG23	1:95:A:HIS:HD2	6	3.71
(2,1797)	1:99:A:THR:HG21	1:95:A:HIS:HD2	7	3.65
(2,1797)	1:99:A:THR:HG22	1:95:A:HIS:HD2	7	3.65
(2,1797)	1:99:A:THR:HG23	1:95:A:HIS:HD2	7	3.65
(2,1794)	1:99:A:THR:HG21	1:101:A:SER:HB2	5	3.56
(2,1794)	1:99:A:THR:HG22	1:101:A:SER:HB2	5	3.56
(2,1794)	1:99:A:THR:HG23	1:101:A:SER:HB2	5	3.56
(2,1797)	1:99:A:THR:HG21	1:95:A:HIS:HD2	1	3.53
(2,1797)	1:99:A:THR:HG22	1:95:A:HIS:HD2	1	3.53
(2,1797)	1:99:A:THR:HG23	1:95:A:HIS:HD2	1	3.53
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD21	8	3.46
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD22	8	3.46
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD23	8	3.46
(2,1794)	1:99:A:THR:HG21	1:101:A:SER:HB2	6	3.42
(2,1794)	1:99:A:THR:HG22	1:101:A:SER:HB2	6	3.42
(2,1794)	1:99:A:THR:HG23	1:101:A:SER:HB2	6	3.42
(2,1797)	1:99:A:THR:HG21	1:95:A:HIS:HD2	16	3.38
(2,1797)	1:99:A:THR:HG22	1:95:A:HIS:HD2	16	3.38
(2,1797)	1:99:A:THR:HG23	1:95:A:HIS:HD2	16	3.38
(2,1797)	1:99:A:THR:HG21	1:95:A:HIS:HD2	14	3.36
(2,1797)	1:99:A:THR:HG22	1:95:A:HIS:HD2	14	3.36
(2,1797)	1:99:A:THR:HG23	1:95:A:HIS:HD2	14	3.36
(2,1797)	1:99:A:THR:HG21	1:95:A:HIS:HD2	13	3.34
(2,1797)	1:99:A:THR:HG22	1:95:A:HIS:HD2	13	3.34
(2,1797)	1:99:A:THR:HG23	1:95:A:HIS:HD2	13	3.34
(2,1797)	1:99:A:THR:HG21	1:95:A:HIS:HD2	12	3.3
(2,1797)	1:99:A:THR:HG22	1:95:A:HIS:HD2	12	3.3
(2,1797)	1:99:A:THR:HG23	1:95:A:HIS:HD2	12	3.3
(2,1797)	1:99:A:THR:HG21	1:95:A:HIS:HD2	15	3.3
(2,1797)	1:99:A:THR:HG22	1:95:A:HIS:HD2	15	3.3
(2,1797)	1:99:A:THR:HG23	1:95:A:HIS:HD2	15	3.3
(2,1794)	1:99:A:THR:HG21	1:101:A:SER:HB2	8	3.29
(2,1794)	1:99:A:THR:HG22	1:101:A:SER:HB2	8	3.29
(2,1794)	1:99:A:THR:HG23	1:101:A:SER:HB2	8	3.29
(2,1322)	1:68:A:LEU:HG	1:64:A:LEU:HG	3	3.25
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD21	16	3.24
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD22	16	3.24
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD23	16	3.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD21	4	3.23
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD22	4	3.23
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD23	4	3.23
(2,1797)	1:99:A:THR:HG21	1:95:A:HIS:HD2	3	3.22
(2,1797)	1:99:A:THR:HG22	1:95:A:HIS:HD2	3	3.22
(2,1797)	1:99:A:THR:HG23	1:95:A:HIS:HD2	3	3.22
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD21	7	3.21
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD22	7	3.21
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD23	7	3.21
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD21	11	3.21
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD22	11	3.21
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD23	11	3.21
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD21	12	3.21
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD22	12	3.21
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD23	12	3.21
(2,1794)	1:99:A:THR:HG21	1:101:A:SER:HB2	2	3.17
(2,1794)	1:99:A:THR:HG22	1:101:A:SER:HB2	2	3.17
(2,1794)	1:99:A:THR:HG23	1:101:A:SER:HB2	2	3.17
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD21	5	3.16
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD22	5	3.16
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD23	5	3.16
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD21	13	3.15
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD22	13	3.15
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD23	13	3.15
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD21	15	3.15
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD22	15	3.15
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD23	15	3.15
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD21	9	3.14
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD22	9	3.14
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD23	9	3.14
(2,1797)	1:99:A:THR:HG21	1:95:A:HIS:HD2	11	3.13
(2,1797)	1:99:A:THR:HG22	1:95:A:HIS:HD2	11	3.13
(2,1797)	1:99:A:THR:HG23	1:95:A:HIS:HD2	11	3.13
(2,1794)	1:99:A:THR:HG21	1:101:A:SER:HB2	11	3.13
(2,1794)	1:99:A:THR:HG22	1:101:A:SER:HB2	11	3.13
(2,1794)	1:99:A:THR:HG23	1:101:A:SER:HB2	11	3.13
(2,1322)	1:68:A:LEU:HG	1:64:A:LEU:HG	11	3.13
(2,1794)	1:99:A:THR:HG21	1:101:A:SER:HB2	12	3.12
(2,1794)	1:99:A:THR:HG22	1:101:A:SER:HB2	12	3.12
(2,1794)	1:99:A:THR:HG23	1:101:A:SER:HB2	12	3.12
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD21	10	3.12
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD22	10	3.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD23	10	3.12
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD21	14	3.12
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD22	14	3.12
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD23	14	3.12
(2,1794)	1:99:A:THR:HG21	1:101:A:SER:HB2	16	3.11
(2,1794)	1:99:A:THR:HG22	1:101:A:SER:HB2	16	3.11
(2,1794)	1:99:A:THR:HG23	1:101:A:SER:HB2	16	3.11
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD21	2	3.1
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD22	2	3.1
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD23	2	3.1
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD21	6	3.09
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD22	6	3.09
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD23	6	3.09
(2,1794)	1:99:A:THR:HG21	1:101:A:SER:HB2	7	3.08
(2,1794)	1:99:A:THR:HG22	1:101:A:SER:HB2	7	3.08
(2,1794)	1:99:A:THR:HG23	1:101:A:SER:HB2	7	3.08
(2,683)	1:29:A:VAL:HG11	1:28:A:LEU:HB2	12	3.06
(2,683)	1:29:A:VAL:HG12	1:28:A:LEU:HB2	12	3.06
(2,683)	1:29:A:VAL:HG13	1:28:A:LEU:HB2	12	3.06
(2,1797)	1:99:A:THR:HG21	1:95:A:HIS:HD2	10	3.05
(2,1797)	1:99:A:THR:HG22	1:95:A:HIS:HD2	10	3.05
(2,1797)	1:99:A:THR:HG23	1:95:A:HIS:HD2	10	3.05
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD21	1	3.05
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD22	1	3.05
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD23	1	3.05
(2,683)	1:29:A:VAL:HG11	1:28:A:LEU:HB2	11	3.05
(2,683)	1:29:A:VAL:HG12	1:28:A:LEU:HB2	11	3.05
(2,683)	1:29:A:VAL:HG13	1:28:A:LEU:HB2	11	3.05
(2,683)	1:29:A:VAL:HG11	1:28:A:LEU:HB2	13	3.05
(2,683)	1:29:A:VAL:HG12	1:28:A:LEU:HB2	13	3.05
(2,683)	1:29:A:VAL:HG13	1:28:A:LEU:HB2	13	3.05
(2,683)	1:29:A:VAL:HG11	1:28:A:LEU:HB2	1	3.04
(2,683)	1:29:A:VAL:HG12	1:28:A:LEU:HB2	1	3.04
(2,683)	1:29:A:VAL:HG13	1:28:A:LEU:HB2	1	3.04
(2,683)	1:29:A:VAL:HG11	1:28:A:LEU:HB2	3	3.04
(2,683)	1:29:A:VAL:HG12	1:28:A:LEU:HB2	3	3.04
(2,683)	1:29:A:VAL:HG13	1:28:A:LEU:HB2	3	3.04
(2,683)	1:29:A:VAL:HG11	1:28:A:LEU:HB2	6	3.04
(2,683)	1:29:A:VAL:HG12	1:28:A:LEU:HB2	6	3.04
(2,683)	1:29:A:VAL:HG13	1:28:A:LEU:HB2	6	3.04
(2,683)	1:29:A:VAL:HG11	1:28:A:LEU:HB2	8	3.04
(2,683)	1:29:A:VAL:HG12	1:28:A:LEU:HB2	8	3.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,683)	1:29:A:VAL:HG13	1:28:A:LEU:HB2	8	3.04
(2,683)	1:29:A:VAL:HG11	1:28:A:LEU:HB2	15	3.04
(2,683)	1:29:A:VAL:HG12	1:28:A:LEU:HB2	15	3.04
(2,683)	1:29:A:VAL:HG13	1:28:A:LEU:HB2	15	3.04
(2,683)	1:29:A:VAL:HG11	1:28:A:LEU:HB2	16	3.04
(2,683)	1:29:A:VAL:HG12	1:28:A:LEU:HB2	16	3.04
(2,683)	1:29:A:VAL:HG13	1:28:A:LEU:HB2	16	3.04
(2,683)	1:29:A:VAL:HG11	1:28:A:LEU:HB2	4	3.03
(2,683)	1:29:A:VAL:HG12	1:28:A:LEU:HB2	4	3.03
(2,683)	1:29:A:VAL:HG13	1:28:A:LEU:HB2	4	3.03
(2,683)	1:29:A:VAL:HG11	1:28:A:LEU:HB2	5	3.03
(2,683)	1:29:A:VAL:HG12	1:28:A:LEU:HB2	5	3.03
(2,683)	1:29:A:VAL:HG13	1:28:A:LEU:HB2	5	3.03
(2,683)	1:29:A:VAL:HG11	1:28:A:LEU:HB2	7	3.03
(2,683)	1:29:A:VAL:HG12	1:28:A:LEU:HB2	7	3.03
(2,683)	1:29:A:VAL:HG13	1:28:A:LEU:HB2	7	3.03
(2,683)	1:29:A:VAL:HG11	1:28:A:LEU:HB2	10	3.03
(2,683)	1:29:A:VAL:HG12	1:28:A:LEU:HB2	10	3.03
(2,683)	1:29:A:VAL:HG13	1:28:A:LEU:HB2	10	3.03
(2,683)	1:29:A:VAL:HG11	1:28:A:LEU:HB2	14	3.03
(2,683)	1:29:A:VAL:HG12	1:28:A:LEU:HB2	14	3.03
(2,683)	1:29:A:VAL:HG13	1:28:A:LEU:HB2	14	3.03
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD21	3	3.02
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD22	3	3.02
(2,1198)	1:63:A:GLU:HB2	1:62:A:LEU:HD23	3	3.02
(2,683)	1:29:A:VAL:HG11	1:28:A:LEU:HB2	9	3.02
(2,683)	1:29:A:VAL:HG12	1:28:A:LEU:HB2	9	3.02
(2,683)	1:29:A:VAL:HG13	1:28:A:LEU:HB2	9	3.02
(2,683)	1:29:A:VAL:HG11	1:28:A:LEU:HB2	2	3.01
(2,683)	1:29:A:VAL:HG12	1:28:A:LEU:HB2	2	3.01
(2,683)	1:29:A:VAL:HG13	1:28:A:LEU:HB2	2	3.01
(2,1797)	1:99:A:THR:HG21	1:95:A:HIS:HD2	4	3.0
(2,1797)	1:99:A:THR:HG22	1:95:A:HIS:HD2	4	3.0
(2,1797)	1:99:A:THR:HG23	1:95:A:HIS:HD2	4	3.0
(2,1794)	1:99:A:THR:HG21	1:101:A:SER:HB2	9	2.97
(2,1794)	1:99:A:THR:HG22	1:101:A:SER:HB2	9	2.97
(2,1794)	1:99:A:THR:HG23	1:101:A:SER:HB2	9	2.97
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD11	12	2.96
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD12	12	2.96
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD13	12	2.96
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD11	12	2.96
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD12	12	2.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD13	12	2.96
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD11	12	2.96
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD12	12	2.96
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD13	12	2.96
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD11	11	2.95
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD12	11	2.95
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD13	11	2.95
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD11	11	2.95
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD12	11	2.95
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD13	11	2.95
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD11	11	2.95
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD12	11	2.95
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD13	11	2.95
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD11	16	2.95
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD12	16	2.95
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD13	16	2.95
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD11	16	2.95
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD12	16	2.95
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD13	16	2.95
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD11	16	2.95
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD12	16	2.95
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD13	16	2.95
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD11	1	2.94
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD12	1	2.94
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD13	1	2.94
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD11	1	2.94
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD12	1	2.94
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD13	1	2.94
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD11	1	2.94
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD12	1	2.94
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD13	1	2.94
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD11	15	2.94
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD12	15	2.94
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD13	15	2.94
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD11	15	2.94
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD12	15	2.94
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD13	15	2.94
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD11	15	2.94
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD12	15	2.94
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD13	15	2.94
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD11	3	2.93
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD12	3	2.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD13	3	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD11	3	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD12	3	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD13	3	2.93
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD11	3	2.93
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD12	3	2.93
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD13	3	2.93
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD11	4	2.93
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD12	4	2.93
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD13	4	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD11	4	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD12	4	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD13	4	2.93
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD11	4	2.93
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD12	4	2.93
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD13	4	2.93
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD11	5	2.93
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD12	5	2.93
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD13	5	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD11	5	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD12	5	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD13	5	2.93
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD11	5	2.93
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD12	5	2.93
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD13	5	2.93
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD11	6	2.93
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD12	6	2.93
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD13	6	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD11	6	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD12	6	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD13	6	2.93
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD11	6	2.93
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD12	6	2.93
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD13	6	2.93
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD11	7	2.93
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD12	7	2.93
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD13	7	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD11	7	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD12	7	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD13	7	2.93
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD11	7	2.93
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD12	7	2.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD13	7	2.93
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD11	8	2.93
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD12	8	2.93
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD13	8	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD11	8	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD12	8	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD13	8	2.93
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD11	8	2.93
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD12	8	2.93
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD13	8	2.93
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD11	13	2.93
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD12	13	2.93
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD13	13	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD11	13	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD12	13	2.93
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD13	13	2.93
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD11	13	2.93
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD12	13	2.93
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD13	13	2.93
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD11	2	2.9
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD12	2	2.9
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD13	2	2.9
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD11	2	2.9
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD12	2	2.9
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD13	2	2.9
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD11	2	2.9
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD12	2	2.9
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD13	2	2.9
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD11	14	2.9
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD12	14	2.9
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD13	14	2.9
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD11	14	2.9
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD12	14	2.9
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD13	14	2.9
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD11	14	2.9
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD12	14	2.9
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD13	14	2.9
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD11	9	2.89
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD12	9	2.89
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD13	9	2.89
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD11	9	2.89
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD12	9	2.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD13	9	2.89
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD11	9	2.89
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD12	9	2.89
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD13	9	2.89
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD11	10	2.89
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD12	10	2.89
(2,685)	1:29:A:VAL:HG11	1:28:A:LEU:HD13	10	2.89
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD11	10	2.89
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD12	10	2.89
(2,685)	1:29:A:VAL:HG12	1:28:A:LEU:HD13	10	2.89
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD11	10	2.89
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD12	10	2.89
(2,685)	1:29:A:VAL:HG13	1:28:A:LEU:HD13	10	2.89
(2,647)	1:28:A:LEU:HD21	1:32:A:ALA:HA	16	2.88
(2,647)	1:28:A:LEU:HD22	1:32:A:ALA:HA	16	2.88
(2,647)	1:28:A:LEU:HD23	1:32:A:ALA:HA	16	2.88
(2,1794)	1:99:A:THR:HG21	1:101:A:SER:HB2	14	2.86
(2,1794)	1:99:A:THR:HG22	1:101:A:SER:HB2	14	2.86
(2,1794)	1:99:A:THR:HG23	1:101:A:SER:HB2	14	2.86
(2,647)	1:28:A:LEU:HD21	1:32:A:ALA:HA	12	2.86
(2,647)	1:28:A:LEU:HD22	1:32:A:ALA:HA	12	2.86
(2,647)	1:28:A:LEU:HD23	1:32:A:ALA:HA	12	2.86
(2,647)	1:28:A:LEU:HD21	1:32:A:ALA:HA	15	2.86
(2,647)	1:28:A:LEU:HD22	1:32:A:ALA:HA	15	2.86
(2,647)	1:28:A:LEU:HD23	1:32:A:ALA:HA	15	2.86
(2,647)	1:28:A:LEU:HD21	1:32:A:ALA:HA	3	2.85
(2,647)	1:28:A:LEU:HD22	1:32:A:ALA:HA	3	2.85
(2,647)	1:28:A:LEU:HD23	1:32:A:ALA:HA	3	2.85
(2,647)	1:28:A:LEU:HD21	1:32:A:ALA:HA	4	2.84
(2,647)	1:28:A:LEU:HD22	1:32:A:ALA:HA	4	2.84
(2,647)	1:28:A:LEU:HD23	1:32:A:ALA:HA	4	2.84
(2,647)	1:28:A:LEU:HD21	1:32:A:ALA:HA	10	2.84
(2,647)	1:28:A:LEU:HD22	1:32:A:ALA:HA	10	2.84
(2,647)	1:28:A:LEU:HD23	1:32:A:ALA:HA	10	2.84
(2,647)	1:28:A:LEU:HD21	1:32:A:ALA:HA	7	2.83
(2,647)	1:28:A:LEU:HD22	1:32:A:ALA:HA	7	2.83
(2,647)	1:28:A:LEU:HD23	1:32:A:ALA:HA	7	2.83
(2,647)	1:28:A:LEU:HD21	1:32:A:ALA:HA	1	2.82
(2,647)	1:28:A:LEU:HD22	1:32:A:ALA:HA	1	2.82
(2,647)	1:28:A:LEU:HD23	1:32:A:ALA:HA	1	2.82
(2,647)	1:28:A:LEU:HD21	1:32:A:ALA:HA	8	2.82
(2,647)	1:28:A:LEU:HD22	1:32:A:ALA:HA	8	2.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,647)	1:28:A:LEU:HD23	1:32:A:ALA:HA	8	2.82
(2,647)	1:28:A:LEU:HD21	1:32:A:ALA:HA	5	2.81
(2,647)	1:28:A:LEU:HD22	1:32:A:ALA:HA	5	2.81
(2,647)	1:28:A:LEU:HD23	1:32:A:ALA:HA	5	2.81
(2,647)	1:28:A:LEU:HD21	1:32:A:ALA:HA	6	2.81
(2,647)	1:28:A:LEU:HD22	1:32:A:ALA:HA	6	2.81
(2,647)	1:28:A:LEU:HD23	1:32:A:ALA:HA	6	2.81
(2,647)	1:28:A:LEU:HD21	1:32:A:ALA:HA	2	2.8
(2,647)	1:28:A:LEU:HD22	1:32:A:ALA:HA	2	2.8
(2,647)	1:28:A:LEU:HD23	1:32:A:ALA:HA	2	2.8
(2,647)	1:28:A:LEU:HD21	1:32:A:ALA:HA	14	2.8
(2,647)	1:28:A:LEU:HD22	1:32:A:ALA:HA	14	2.8
(2,647)	1:28:A:LEU:HD23	1:32:A:ALA:HA	14	2.8
(2,647)	1:28:A:LEU:HD21	1:32:A:ALA:HA	13	2.79
(2,647)	1:28:A:LEU:HD22	1:32:A:ALA:HA	13	2.79
(2,647)	1:28:A:LEU:HD23	1:32:A:ALA:HA	13	2.79
(2,647)	1:28:A:LEU:HD21	1:32:A:ALA:HA	9	2.78
(2,647)	1:28:A:LEU:HD22	1:32:A:ALA:HA	9	2.78
(2,647)	1:28:A:LEU:HD23	1:32:A:ALA:HA	9	2.78
(2,647)	1:28:A:LEU:HD21	1:32:A:ALA:HA	11	2.78
(2,647)	1:28:A:LEU:HD22	1:32:A:ALA:HA	11	2.78
(2,647)	1:28:A:LEU:HD23	1:32:A:ALA:HA	11	2.78
(2,646)	1:28:A:LEU:HD21	1:33:A:THR:H	9	2.77
(2,646)	1:28:A:LEU:HD22	1:33:A:THR:H	9	2.77
(2,646)	1:28:A:LEU:HD23	1:33:A:THR:H	9	2.77
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD21	2	2.77
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD22	2	2.77
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD23	2	2.77
(2,646)	1:28:A:LEU:HD21	1:33:A:THR:H	1	2.75
(2,646)	1:28:A:LEU:HD22	1:33:A:THR:H	1	2.75
(2,646)	1:28:A:LEU:HD23	1:33:A:THR:H	1	2.75
(2,646)	1:28:A:LEU:HD21	1:33:A:THR:H	4	2.75
(2,646)	1:28:A:LEU:HD22	1:33:A:THR:H	4	2.75
(2,646)	1:28:A:LEU:HD23	1:33:A:THR:H	4	2.75
(2,646)	1:28:A:LEU:HD21	1:33:A:THR:H	8	2.75
(2,646)	1:28:A:LEU:HD22	1:33:A:THR:H	8	2.75
(2,646)	1:28:A:LEU:HD23	1:33:A:THR:H	8	2.75
(2,1287)	1:66:A:ASN:HA	1:68:A:LEU:HB3	1	2.73
(2,1287)	1:66:A:ASN:HA	1:68:A:LEU:HB3	12	2.73
(2,646)	1:28:A:LEU:HD21	1:33:A:THR:H	2	2.73
(2,646)	1:28:A:LEU:HD22	1:33:A:THR:H	2	2.73
(2,646)	1:28:A:LEU:HD23	1:33:A:THR:H	2	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,646)	1:28:A:LEU:HD21	1:33:A:THR:H	3	2.73
(2,646)	1:28:A:LEU:HD22	1:33:A:THR:H	3	2.73
(2,646)	1:28:A:LEU:HD23	1:33:A:THR:H	3	2.73
(2,646)	1:28:A:LEU:HD21	1:33:A:THR:H	5	2.73
(2,646)	1:28:A:LEU:HD22	1:33:A:THR:H	5	2.73
(2,646)	1:28:A:LEU:HD23	1:33:A:THR:H	5	2.73
(2,646)	1:28:A:LEU:HD21	1:33:A:THR:H	15	2.73
(2,646)	1:28:A:LEU:HD22	1:33:A:THR:H	15	2.73
(2,646)	1:28:A:LEU:HD23	1:33:A:THR:H	15	2.73
(2,646)	1:28:A:LEU:HD21	1:33:A:THR:H	16	2.73
(2,646)	1:28:A:LEU:HD22	1:33:A:THR:H	16	2.73
(2,646)	1:28:A:LEU:HD23	1:33:A:THR:H	16	2.73
(2,1287)	1:66:A:ASN:HA	1:68:A:LEU:HB3	13	2.72
(2,646)	1:28:A:LEU:HD21	1:33:A:THR:H	7	2.72
(2,646)	1:28:A:LEU:HD22	1:33:A:THR:H	7	2.72
(2,646)	1:28:A:LEU:HD23	1:33:A:THR:H	7	2.72
(2,646)	1:28:A:LEU:HD21	1:33:A:THR:H	10	2.71
(2,646)	1:28:A:LEU:HD22	1:33:A:THR:H	10	2.71
(2,646)	1:28:A:LEU:HD23	1:33:A:THR:H	10	2.71
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD21	14	2.71
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD22	14	2.71
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD23	14	2.71
(2,646)	1:28:A:LEU:HD21	1:33:A:THR:H	6	2.7
(2,646)	1:28:A:LEU:HD22	1:33:A:THR:H	6	2.7
(2,646)	1:28:A:LEU:HD23	1:33:A:THR:H	6	2.7
(2,646)	1:28:A:LEU:HD21	1:33:A:THR:H	11	2.7
(2,646)	1:28:A:LEU:HD22	1:33:A:THR:H	11	2.7
(2,646)	1:28:A:LEU:HD23	1:33:A:THR:H	11	2.7
(2,646)	1:28:A:LEU:HD21	1:33:A:THR:H	14	2.7
(2,646)	1:28:A:LEU:HD22	1:33:A:THR:H	14	2.7
(2,646)	1:28:A:LEU:HD23	1:33:A:THR:H	14	2.7
(2,646)	1:28:A:LEU:HD21	1:33:A:THR:H	12	2.67
(2,646)	1:28:A:LEU:HD22	1:33:A:THR:H	12	2.67
(2,646)	1:28:A:LEU:HD23	1:33:A:THR:H	12	2.67
(2,1287)	1:66:A:ASN:HA	1:68:A:LEU:HB3	6	2.66
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD21	5	2.66
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD22	5	2.66
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD23	5	2.66
(2,1797)	1:99:A:THR:HG21	1:95:A:HIS:HD2	2	2.65
(2,1797)	1:99:A:THR:HG22	1:95:A:HIS:HD2	2	2.65
(2,1797)	1:99:A:THR:HG23	1:95:A:HIS:HD2	2	2.65
(2,646)	1:28:A:LEU:HD21	1:33:A:THR:H	13	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,646)	1:28:A:LEU:HD22	1:33:A:THR:H	13	2.65
(2,646)	1:28:A:LEU:HD23	1:33:A:THR:H	13	2.65
(2,1287)	1:66:A:ASN:HA	1:68:A:LEU:HB3	4	2.64
(2,1287)	1:66:A:ASN:HA	1:68:A:LEU:HB3	7	2.64
(2,105)	1:5:A:ALA:HB1	1:3:A:ALA:HA	5	2.64
(2,105)	1:5:A:ALA:HB2	1:3:A:ALA:HA	5	2.64
(2,105)	1:5:A:ALA:HB3	1:3:A:ALA:HA	5	2.64
(2,1287)	1:66:A:ASN:HA	1:68:A:LEU:HB3	2	2.63
(2,1287)	1:66:A:ASN:HA	1:68:A:LEU:HB3	16	2.63
(2,1287)	1:66:A:ASN:HA	1:68:A:LEU:HB3	5	2.62
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD21	3	2.61
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD22	3	2.61
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD23	3	2.61
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD21	6	2.6
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD22	6	2.6
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD23	6	2.6
(2,1287)	1:66:A:ASN:HA	1:68:A:LEU:HB3	15	2.59
(2,1287)	1:66:A:ASN:HA	1:68:A:LEU:HB3	14	2.55
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB1	11	2.51
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB2	11	2.51
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB3	11	2.51
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB1	11	2.51
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB2	11	2.51
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB3	11	2.51
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB1	11	2.51
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB2	11	2.51
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB3	11	2.51
(2,1287)	1:66:A:ASN:HA	1:68:A:LEU:HB3	9	2.51
(2,1797)	1:99:A:THR:HG21	1:95:A:HIS:HD2	9	2.5
(2,1797)	1:99:A:THR:HG22	1:95:A:HIS:HD2	9	2.5
(2,1797)	1:99:A:THR:HG23	1:95:A:HIS:HD2	9	2.5
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB1	14	2.49
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB2	14	2.49
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB3	14	2.49
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB1	14	2.49
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB2	14	2.49
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB3	14	2.49
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB1	14	2.49
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB2	14	2.49
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB3	14	2.49
(2,1287)	1:66:A:ASN:HA	1:68:A:LEU:HB3	8	2.49
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB1	8	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB2	8	2.46
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB3	8	2.46
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB1	8	2.46
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB2	8	2.46
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB3	8	2.46
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB1	8	2.46
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB2	8	2.46
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB3	8	2.46
(2,1287)	1:66:A:ASN:HA	1:68:A:LEU:HB3	10	2.46
(2,1287)	1:66:A:ASN:HA	1:68:A:LEU:HB3	11	2.44
(2,1321)	1:68:A:LEU:HG	1:64:A:LEU:HB2	3	2.42
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB1	3	2.41
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB2	3	2.41
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB3	3	2.41
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB1	3	2.41
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB2	3	2.41
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB3	3	2.41
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB1	3	2.41
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB2	3	2.41
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB3	3	2.41
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB1	5	2.39
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB2	5	2.39
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB3	5	2.39
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB1	5	2.39
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB2	5	2.39
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB3	5	2.39
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB1	5	2.39
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB2	5	2.39
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB3	5	2.39
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB1	15	2.39
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB2	15	2.39
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB3	15	2.39
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB1	15	2.39
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB2	15	2.39
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB3	15	2.39
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB1	15	2.39
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB2	15	2.39
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB3	15	2.39
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB1	10	2.38
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB2	10	2.38
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB3	10	2.38
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB1	10	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB2	10	2.38
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB3	10	2.38
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB1	10	2.38
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB2	10	2.38
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB3	10	2.38
(2,1321)	1:68:A:LEU:HG	1:64:A:LEU:HB2	11	2.38
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB1	1	2.37
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB2	1	2.37
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB3	1	2.37
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB1	1	2.37
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB2	1	2.37
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB3	1	2.37
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB1	1	2.37
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB2	1	2.37
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB3	1	2.37
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB1	13	2.37
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB2	13	2.37
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB3	13	2.37
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB1	13	2.37
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB2	13	2.37
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB3	13	2.37
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB1	13	2.37
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB2	13	2.37
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB3	13	2.37
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB1	7	2.36
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB2	7	2.36
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB3	7	2.36
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB1	7	2.36
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB2	7	2.36
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB3	7	2.36
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB1	7	2.36
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB2	7	2.36
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB3	7	2.36
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB1	2	2.35
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB2	2	2.35
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB3	2	2.35
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB1	2	2.35
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB2	2	2.35
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB3	2	2.35
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB1	2	2.35
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB2	2	2.35
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB3	2	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB1	6	2.34
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB2	6	2.34
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB3	6	2.34
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB1	6	2.34
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB2	6	2.34
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB3	6	2.34
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB1	6	2.34
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB2	6	2.34
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB3	6	2.34
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB1	16	2.34
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB2	16	2.34
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB3	16	2.34
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB1	16	2.34
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB2	16	2.34
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB3	16	2.34
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB1	16	2.34
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB2	16	2.34
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB3	16	2.34
(2,105)	1:5:A:ALA:HB1	1:3:A:ALA:HA	14	2.34
(2,105)	1:5:A:ALA:HB2	1:3:A:ALA:HA	14	2.34
(2,105)	1:5:A:ALA:HB3	1:3:A:ALA:HA	14	2.34
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB1	9	2.31
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB2	9	2.31
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB3	9	2.31
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB1	9	2.31
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB2	9	2.31
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB3	9	2.31
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB1	9	2.31
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB2	9	2.31
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB3	9	2.31
(2,1287)	1:66:A:ASN:HA	1:68:A:LEU:HB3	3	2.3
(2,677)	1:29:A:VAL:HG11	1:28:A:LEU:HA	2	2.3
(2,677)	1:29:A:VAL:HG12	1:28:A:LEU:HA	2	2.3
(2,677)	1:29:A:VAL:HG13	1:28:A:LEU:HA	2	2.3
(2,677)	1:29:A:VAL:HG11	1:28:A:LEU:HA	6	2.3
(2,677)	1:29:A:VAL:HG12	1:28:A:LEU:HA	6	2.3
(2,677)	1:29:A:VAL:HG13	1:28:A:LEU:HA	6	2.3
(2,677)	1:29:A:VAL:HG11	1:28:A:LEU:HA	7	2.3
(2,677)	1:29:A:VAL:HG12	1:28:A:LEU:HA	7	2.3
(2,677)	1:29:A:VAL:HG13	1:28:A:LEU:HA	7	2.3
(2,677)	1:29:A:VAL:HG11	1:28:A:LEU:HA	8	2.3
(2,677)	1:29:A:VAL:HG12	1:28:A:LEU:HA	8	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,677)	1:29:A:VAL:HG13	1:28:A:LEU:HA	8	2.3
(2,677)	1:29:A:VAL:HG11	1:28:A:LEU:HA	9	2.3
(2,677)	1:29:A:VAL:HG12	1:28:A:LEU:HA	9	2.3
(2,677)	1:29:A:VAL:HG13	1:28:A:LEU:HA	9	2.3
(2,677)	1:29:A:VAL:HG11	1:28:A:LEU:HA	10	2.3
(2,677)	1:29:A:VAL:HG12	1:28:A:LEU:HA	10	2.3
(2,677)	1:29:A:VAL:HG13	1:28:A:LEU:HA	10	2.3
(2,677)	1:29:A:VAL:HG11	1:28:A:LEU:HA	13	2.3
(2,677)	1:29:A:VAL:HG12	1:28:A:LEU:HA	13	2.3
(2,677)	1:29:A:VAL:HG13	1:28:A:LEU:HA	13	2.3
(2,677)	1:29:A:VAL:HG11	1:28:A:LEU:HA	14	2.3
(2,677)	1:29:A:VAL:HG12	1:28:A:LEU:HA	14	2.3
(2,677)	1:29:A:VAL:HG13	1:28:A:LEU:HA	14	2.3
(2,677)	1:29:A:VAL:HG11	1:28:A:LEU:HA	15	2.3
(2,677)	1:29:A:VAL:HG12	1:28:A:LEU:HA	15	2.3
(2,677)	1:29:A:VAL:HG13	1:28:A:LEU:HA	15	2.3
(2,677)	1:29:A:VAL:HG11	1:28:A:LEU:HA	16	2.3
(2,677)	1:29:A:VAL:HG12	1:28:A:LEU:HA	16	2.3
(2,677)	1:29:A:VAL:HG13	1:28:A:LEU:HA	16	2.3
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB1	4	2.29
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB2	4	2.29
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB3	4	2.29
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB1	4	2.29
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB2	4	2.29
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB3	4	2.29
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB1	4	2.29
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB2	4	2.29
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB3	4	2.29
(2,677)	1:29:A:VAL:HG11	1:28:A:LEU:HA	1	2.29
(2,677)	1:29:A:VAL:HG12	1:28:A:LEU:HA	1	2.29
(2,677)	1:29:A:VAL:HG13	1:28:A:LEU:HA	1	2.29
(2,677)	1:29:A:VAL:HG11	1:28:A:LEU:HA	3	2.29
(2,677)	1:29:A:VAL:HG12	1:28:A:LEU:HA	3	2.29
(2,677)	1:29:A:VAL:HG13	1:28:A:LEU:HA	3	2.29
(2,677)	1:29:A:VAL:HG11	1:28:A:LEU:HA	4	2.29
(2,677)	1:29:A:VAL:HG12	1:28:A:LEU:HA	4	2.29
(2,677)	1:29:A:VAL:HG13	1:28:A:LEU:HA	4	2.29
(2,677)	1:29:A:VAL:HG11	1:28:A:LEU:HA	5	2.29
(2,677)	1:29:A:VAL:HG12	1:28:A:LEU:HA	5	2.29
(2,677)	1:29:A:VAL:HG13	1:28:A:LEU:HA	5	2.29
(2,677)	1:29:A:VAL:HG11	1:28:A:LEU:HA	11	2.29
(2,677)	1:29:A:VAL:HG12	1:28:A:LEU:HA	11	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,677)	1:29:A:VAL:HG13	1:28:A:LEU:HA	11	2.29
(2,677)	1:29:A:VAL:HG11	1:28:A:LEU:HA	12	2.29
(2,677)	1:29:A:VAL:HG12	1:28:A:LEU:HA	12	2.29
(2,677)	1:29:A:VAL:HG13	1:28:A:LEU:HA	12	2.29
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB1	12	2.28
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB2	12	2.28
(2,1839)	1:13:A:LEU:HD21	1:11:A:ALA:HB3	12	2.28
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB1	12	2.28
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB2	12	2.28
(2,1839)	1:13:A:LEU:HD22	1:11:A:ALA:HB3	12	2.28
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB1	12	2.28
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB2	12	2.28
(2,1839)	1:13:A:LEU:HD23	1:11:A:ALA:HB3	12	2.28
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD21	6	2.28
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD22	6	2.28
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD23	6	2.28
(2,1797)	1:99:A:THR:HG21	1:95:A:HIS:HD2	8	2.25
(2,1797)	1:99:A:THR:HG22	1:95:A:HIS:HD2	8	2.25
(2,1797)	1:99:A:THR:HG23	1:95:A:HIS:HD2	8	2.25
(2,105)	1:5:A:ALA:HB1	1:3:A:ALA:HA	15	2.25
(2,105)	1:5:A:ALA:HB2	1:3:A:ALA:HA	15	2.25
(2,105)	1:5:A:ALA:HB3	1:3:A:ALA:HA	15	2.25
(2,368)	1:17:A:SER:HB3	1:18:A:PRO:HB3	4	2.2
(2,368)	1:17:A:SER:HB3	1:18:A:PRO:HB3	5	2.18
(2,368)	1:17:A:SER:HB3	1:18:A:PRO:HB3	15	2.18
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD21	3	2.17
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD22	3	2.17
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD23	3	2.17
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD21	11	2.16
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD22	11	2.16
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD23	11	2.16
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD21	9	2.14
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD22	9	2.14
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD23	9	2.14
(2,105)	1:5:A:ALA:HB1	1:3:A:ALA:HA	7	2.14
(2,105)	1:5:A:ALA:HB2	1:3:A:ALA:HA	7	2.14
(2,105)	1:5:A:ALA:HB3	1:3:A:ALA:HA	7	2.14
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD21	15	2.12
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD22	15	2.12
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD23	15	2.12
(2,1894)	1:90:A:LEU:HD21	1:93:A:HIS:HA	10	2.11
(2,1894)	1:90:A:LEU:HD22	1:93:A:HIS:HA	10	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1894)	1:90:A:LEU:HD23	1:93:A:HIS:HA	10	2.11
(2,1794)	1:99:A:THR:HG21	1:101:A:SER:HB2	15	2.11
(2,1794)	1:99:A:THR:HG22	1:101:A:SER:HB2	15	2.11
(2,1794)	1:99:A:THR:HG23	1:101:A:SER:HB2	15	2.11
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD21	12	2.11
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD22	12	2.11
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD23	12	2.11
(2,1894)	1:90:A:LEU:HD21	1:93:A:HIS:HA	1	2.1
(2,1894)	1:90:A:LEU:HD22	1:93:A:HIS:HA	1	2.1
(2,1894)	1:90:A:LEU:HD23	1:93:A:HIS:HA	1	2.1
(2,1894)	1:90:A:LEU:HD21	1:93:A:HIS:HA	5	2.1
(2,1894)	1:90:A:LEU:HD22	1:93:A:HIS:HA	5	2.1
(2,1894)	1:90:A:LEU:HD23	1:93:A:HIS:HA	5	2.1
(2,1841)	1:98:A:LEU:HD21	1:95:A:HIS:HD2	9	2.1
(2,1841)	1:98:A:LEU:HD22	1:95:A:HIS:HD2	9	2.1
(2,1841)	1:98:A:LEU:HD23	1:95:A:HIS:HD2	9	2.1
(2,1894)	1:90:A:LEU:HD21	1:93:A:HIS:HA	4	2.09
(2,1894)	1:90:A:LEU:HD22	1:93:A:HIS:HA	4	2.09
(2,1894)	1:90:A:LEU:HD23	1:93:A:HIS:HA	4	2.09
(2,1894)	1:90:A:LEU:HD21	1:93:A:HIS:HA	6	2.09
(2,1894)	1:90:A:LEU:HD22	1:93:A:HIS:HA	6	2.09
(2,1894)	1:90:A:LEU:HD23	1:93:A:HIS:HA	6	2.09
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD21	5	2.09
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD22	5	2.09
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD23	5	2.09
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD21	9	2.09
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD22	9	2.09
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD23	9	2.09
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD21	10	2.08
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD22	10	2.08
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD23	10	2.08
(2,171)	1:53:A:ASP:HB2	1:51:A:PHE:HA	1	2.08
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD21	13	2.07
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD22	13	2.07
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD23	13	2.07
(2,1894)	1:90:A:LEU:HD21	1:93:A:HIS:HA	12	2.05
(2,1894)	1:90:A:LEU:HD22	1:93:A:HIS:HA	12	2.05
(2,1894)	1:90:A:LEU:HD23	1:93:A:HIS:HA	12	2.05
(2,1841)	1:98:A:LEU:HD21	1:95:A:HIS:HD2	5	2.05
(2,1841)	1:98:A:LEU:HD22	1:95:A:HIS:HD2	5	2.05
(2,1841)	1:98:A:LEU:HD23	1:95:A:HIS:HD2	5	2.05
(2,1894)	1:90:A:LEU:HD21	1:93:A:HIS:HA	14	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1894)	1:90:A:LEU:HD22	1:93:A:HIS:HA	14	2.03
(2,1894)	1:90:A:LEU:HD23	1:93:A:HIS:HA	14	2.03
(2,1797)	1:99:A:THR:HG21	1:95:A:HIS:HD2	5	2.03
(2,1797)	1:99:A:THR:HG22	1:95:A:HIS:HD2	5	2.03
(2,1797)	1:99:A:THR:HG23	1:95:A:HIS:HD2	5	2.03
(2,852)	1:74:A:LEU:HD21	1:73:A:GLY:HA2	4	2.03
(2,852)	1:74:A:LEU:HD22	1:73:A:GLY:HA2	4	2.03
(2,852)	1:74:A:LEU:HD23	1:73:A:GLY:HA2	4	2.03
(2,1894)	1:90:A:LEU:HD21	1:93:A:HIS:HA	13	2.02
(2,1894)	1:90:A:LEU:HD22	1:93:A:HIS:HA	13	2.02
(2,1894)	1:90:A:LEU:HD23	1:93:A:HIS:HA	13	2.02
(2,1894)	1:90:A:LEU:HD21	1:93:A:HIS:HA	15	2.02
(2,1894)	1:90:A:LEU:HD22	1:93:A:HIS:HA	15	2.02
(2,1894)	1:90:A:LEU:HD23	1:93:A:HIS:HA	15	2.02
(2,852)	1:74:A:LEU:HD21	1:73:A:GLY:HA2	1	2.02
(2,852)	1:74:A:LEU:HD22	1:73:A:GLY:HA2	1	2.02
(2,852)	1:74:A:LEU:HD23	1:73:A:GLY:HA2	1	2.02
(2,1894)	1:90:A:LEU:HD21	1:93:A:HIS:HA	7	2.01
(2,1894)	1:90:A:LEU:HD22	1:93:A:HIS:HA	7	2.01
(2,1894)	1:90:A:LEU:HD23	1:93:A:HIS:HA	7	2.01
(2,1794)	1:99:A:THR:HG21	1:101:A:SER:HB2	10	2.01
(2,1794)	1:99:A:THR:HG22	1:101:A:SER:HB2	10	2.01
(2,1794)	1:99:A:THR:HG23	1:101:A:SER:HB2	10	2.01
(2,852)	1:74:A:LEU:HD21	1:73:A:GLY:HA2	16	2.0
(2,852)	1:74:A:LEU:HD22	1:73:A:GLY:HA2	16	2.0
(2,852)	1:74:A:LEU:HD23	1:73:A:GLY:HA2	16	2.0
(2,1894)	1:90:A:LEU:HD21	1:93:A:HIS:HA	3	1.99
(2,1894)	1:90:A:LEU:HD22	1:93:A:HIS:HA	3	1.99
(2,1894)	1:90:A:LEU:HD23	1:93:A:HIS:HA	3	1.99
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD21	2	1.99
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD22	2	1.99
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD23	2	1.99
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD21	14	1.99
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD22	14	1.99
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD23	14	1.99
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD21	4	1.99
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD22	4	1.99
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD23	4	1.99
(2,852)	1:74:A:LEU:HD21	1:73:A:GLY:HA2	10	1.98
(2,852)	1:74:A:LEU:HD22	1:73:A:GLY:HA2	10	1.98
(2,852)	1:74:A:LEU:HD23	1:73:A:GLY:HA2	10	1.98
(2,852)	1:74:A:LEU:HD21	1:73:A:GLY:HA2	14	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,852)	1:74:A:LEU:HD22	1:73:A:GLY:HA2	14	1.98
(2,852)	1:74:A:LEU:HD23	1:73:A:GLY:HA2	14	1.98
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD21	15	1.98
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD22	15	1.98
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD23	15	1.98
(2,852)	1:74:A:LEU:HD21	1:73:A:GLY:HA2	7	1.96
(2,852)	1:74:A:LEU:HD22	1:73:A:GLY:HA2	7	1.96
(2,852)	1:74:A:LEU:HD23	1:73:A:GLY:HA2	7	1.96
(2,852)	1:74:A:LEU:HD21	1:73:A:GLY:HA2	13	1.96
(2,852)	1:74:A:LEU:HD22	1:73:A:GLY:HA2	13	1.96
(2,852)	1:74:A:LEU:HD23	1:73:A:GLY:HA2	13	1.96
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD21	2	1.96
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD22	2	1.96
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD23	2	1.96
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD21	14	1.96
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD22	14	1.96
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD23	14	1.96
(2,1894)	1:90:A:LEU:HD21	1:93:A:HIS:HA	2	1.95
(2,1894)	1:90:A:LEU:HD22	1:93:A:HIS:HA	2	1.95
(2,1894)	1:90:A:LEU:HD23	1:93:A:HIS:HA	2	1.95
(2,1011)	1:75:A:ASP:HA	1:74:A:LEU:HG	11	1.95
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD21	3	1.95
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD22	3	1.95
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD23	3	1.95
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD21	13	1.95
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD22	13	1.95
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD23	13	1.95
(2,105)	1:5:A:ALA:HB1	1:3:A:ALA:HA	1	1.95
(2,105)	1:5:A:ALA:HB2	1:3:A:ALA:HA	1	1.95
(2,105)	1:5:A:ALA:HB3	1:3:A:ALA:HA	1	1.95
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG21	5	1.95
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG22	5	1.95
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG23	5	1.95
(2,1794)	1:99:A:THR:HG21	1:101:A:SER:HB2	4	1.94
(2,1794)	1:99:A:THR:HG22	1:101:A:SER:HB2	4	1.94
(2,1794)	1:99:A:THR:HG23	1:101:A:SER:HB2	4	1.94
(2,852)	1:74:A:LEU:HD21	1:73:A:GLY:HA2	6	1.94
(2,852)	1:74:A:LEU:HD22	1:73:A:GLY:HA2	6	1.94
(2,852)	1:74:A:LEU:HD23	1:73:A:GLY:HA2	6	1.94
(2,852)	1:74:A:LEU:HD21	1:73:A:GLY:HA2	9	1.94
(2,852)	1:74:A:LEU:HD22	1:73:A:GLY:HA2	9	1.94
(2,852)	1:74:A:LEU:HD23	1:73:A:GLY:HA2	9	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD21	7	1.94
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD22	7	1.94
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD23	7	1.94
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD21	11	1.94
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD22	11	1.94
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD23	11	1.94
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD21	6	1.93
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD22	6	1.93
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD23	6	1.93
(2,1302)	1:66:A:ASN:HB3	1:65:A:ARG:H	2	1.93
(2,852)	1:74:A:LEU:HD21	1:73:A:GLY:HA2	2	1.93
(2,852)	1:74:A:LEU:HD22	1:73:A:GLY:HA2	2	1.93
(2,852)	1:74:A:LEU:HD23	1:73:A:GLY:HA2	2	1.93
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD21	16	1.93
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD22	16	1.93
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD23	16	1.93
(2,1894)	1:90:A:LEU:HD21	1:93:A:HIS:HA	11	1.92
(2,1894)	1:90:A:LEU:HD22	1:93:A:HIS:HA	11	1.92
(2,1894)	1:90:A:LEU:HD23	1:93:A:HIS:HA	11	1.92
(2,1302)	1:66:A:ASN:HB3	1:65:A:ARG:H	14	1.92
(2,852)	1:74:A:LEU:HD21	1:73:A:GLY:HA2	3	1.92
(2,852)	1:74:A:LEU:HD22	1:73:A:GLY:HA2	3	1.92
(2,852)	1:74:A:LEU:HD23	1:73:A:GLY:HA2	3	1.92
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD21	1	1.92
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD22	1	1.92
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD23	1	1.92
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD21	10	1.92
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD22	10	1.92
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD23	10	1.92
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD21	9	1.92
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD22	9	1.92
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD23	9	1.92
(2,852)	1:74:A:LEU:HD21	1:73:A:GLY:HA2	12	1.91
(2,852)	1:74:A:LEU:HD22	1:73:A:GLY:HA2	12	1.91
(2,852)	1:74:A:LEU:HD23	1:73:A:GLY:HA2	12	1.91
(2,1894)	1:90:A:LEU:HD21	1:93:A:HIS:HA	16	1.9
(2,1894)	1:90:A:LEU:HD22	1:93:A:HIS:HA	16	1.9
(2,1894)	1:90:A:LEU:HD23	1:93:A:HIS:HA	16	1.9
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD21	15	1.9
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD22	15	1.9
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD23	15	1.9
(2,1794)	1:99:A:THR:HG21	1:101:A:SER:HB2	1	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1794)	1:99:A:THR:HG22	1:101:A:SER:HB2	1	1.9
(2,1794)	1:99:A:THR:HG23	1:101:A:SER:HB2	1	1.9
(2,1302)	1:66:A:ASN:HB3	1:65:A:ARG:H	5	1.9
(2,1302)	1:66:A:ASN:HB3	1:65:A:ARG:H	6	1.9
(2,852)	1:74:A:LEU:HD21	1:73:A:GLY:HA2	8	1.9
(2,852)	1:74:A:LEU:HD22	1:73:A:GLY:HA2	8	1.9
(2,852)	1:74:A:LEU:HD23	1:73:A:GLY:HA2	8	1.9
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD21	8	1.9
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD22	8	1.9
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD23	8	1.9
(2,105)	1:5:A:ALA:HB1	1:3:A:ALA:HA	8	1.9
(2,105)	1:5:A:ALA:HB2	1:3:A:ALA:HA	8	1.9
(2,105)	1:5:A:ALA:HB3	1:3:A:ALA:HA	8	1.9
(2,1302)	1:66:A:ASN:HB3	1:65:A:ARG:H	1	1.89
(2,1302)	1:66:A:ASN:HB3	1:65:A:ARG:H	9	1.89
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD21	5	1.89
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD22	5	1.89
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD23	5	1.89
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD21	4	1.88
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD22	4	1.88
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD23	4	1.88
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD21	7	1.88
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD22	7	1.88
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD23	7	1.88
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD21	11	1.88
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD22	11	1.88
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD23	11	1.88
(2,852)	1:74:A:LEU:HD21	1:73:A:GLY:HA2	5	1.88
(2,852)	1:74:A:LEU:HD22	1:73:A:GLY:HA2	5	1.88
(2,852)	1:74:A:LEU:HD23	1:73:A:GLY:HA2	5	1.88
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG11	3	1.88
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG12	3	1.88
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG13	3	1.88
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD21	12	1.88
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD22	12	1.88
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD23	12	1.88
(2,105)	1:5:A:ALA:HB1	1:3:A:ALA:HA	6	1.88
(2,105)	1:5:A:ALA:HB2	1:3:A:ALA:HA	6	1.88
(2,105)	1:5:A:ALA:HB3	1:3:A:ALA:HA	6	1.88
(2,1880)	1:90:A:LEU:HD11	1:92:A:GLN:H	9	1.87
(2,1880)	1:90:A:LEU:HD12	1:92:A:GLN:H	9	1.87
(2,1880)	1:90:A:LEU:HD13	1:92:A:GLN:H	9	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD21	1	1.87
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD22	1	1.87
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD23	1	1.87
(2,1302)	1:66:A:ASN:HB3	1:65:A:ARG:H	13	1.87
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD11	7	1.87
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD12	7	1.87
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD13	7	1.87
(2,105)	1:5:A:ALA:HB1	1:3:A:ALA:HA	10	1.87
(2,105)	1:5:A:ALA:HB2	1:3:A:ALA:HA	10	1.87
(2,105)	1:5:A:ALA:HB3	1:3:A:ALA:HA	10	1.87
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD21	13	1.86
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD22	13	1.86
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD23	13	1.86
(2,1302)	1:66:A:ASN:HB3	1:65:A:ARG:H	3	1.86
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD11	6	1.86
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD12	6	1.86
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD13	6	1.86
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD11	11	1.86
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD12	11	1.86
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD13	11	1.86
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD11	12	1.86
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD12	12	1.86
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD13	12	1.86
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD11	16	1.86
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD12	16	1.86
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD13	16	1.86
(2,1302)	1:66:A:ASN:HB3	1:65:A:ARG:H	10	1.85
(2,1302)	1:66:A:ASN:HB3	1:65:A:ARG:H	15	1.85
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD11	1	1.85
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD12	1	1.85
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD13	1	1.85
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD11	3	1.85
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD12	3	1.85
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD13	3	1.85
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD11	5	1.85
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD12	5	1.85
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD13	5	1.85
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD11	13	1.85
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD12	13	1.85
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD13	13	1.85
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD11	15	1.85
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD12	15	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD13	15	1.85
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD21	6	1.85
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD22	6	1.85
(2,522)	1:24:A:THR:HA	1:13:A:LEU:HD23	6	1.85
(2,1011)	1:75:A:ASP:HA	1:74:A:LEU:HG	15	1.84
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD11	4	1.84
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD12	4	1.84
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD13	4	1.84
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD11	8	1.84
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD12	8	1.84
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD13	8	1.84
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD11	10	1.84
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD12	10	1.84
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD13	10	1.84
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD21	1	1.84
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD22	1	1.84
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD23	1	1.84
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD21	3	1.83
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD22	3	1.83
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD23	3	1.83
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD21	9	1.83
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD22	9	1.83
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD23	9	1.83
(2,1302)	1:66:A:ASN:HB3	1:65:A:ARG:H	12	1.83
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD11	2	1.83
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD12	2	1.83
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD13	2	1.83
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD11	14	1.83
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD12	14	1.83
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD13	14	1.83
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD11	9	1.82
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD12	9	1.82
(2,652)	1:29:A:VAL:HB	1:28:A:LEU:HD13	9	1.82
(2,1302)	1:66:A:ASN:HB3	1:65:A:ARG:H	4	1.81
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD21	8	1.8
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD22	8	1.8
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD23	8	1.8
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD21	12	1.8
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD22	12	1.8
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD23	12	1.8
(2,1785)	1:98:A:LEU:HD11	1:95:A:HIS:HB2	8	1.8
(2,1785)	1:98:A:LEU:HD12	1:95:A:HIS:HB2	8	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1785)	1:98:A:LEU:HD13	1:95:A:HIS:HB2	8	1.8
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD21	5	1.79
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD22	5	1.79
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD23	5	1.79
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG11	7	1.79
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG12	7	1.79
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG13	7	1.79
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG11	9	1.79
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG12	9	1.79
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG13	9	1.79
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG11	11	1.79
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG12	11	1.79
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG13	11	1.79
(2,1880)	1:90:A:LEU:HD11	1:92:A:GLN:H	8	1.78
(2,1880)	1:90:A:LEU:HD12	1:92:A:GLN:H	8	1.78
(2,1880)	1:90:A:LEU:HD13	1:92:A:GLN:H	8	1.78
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD21	10	1.78
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD22	10	1.78
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD23	10	1.78
(2,1302)	1:66:A:ASN:HB3	1:65:A:ARG:H	11	1.78
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG21	12	1.78
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG22	12	1.78
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG23	12	1.78
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG11	5	1.77
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG12	5	1.77
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG13	5	1.77
(2,1302)	1:66:A:ASN:HB3	1:65:A:ARG:H	8	1.76
(2,1302)	1:66:A:ASN:HB3	1:65:A:ARG:H	16	1.76
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG11	8	1.76
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG12	8	1.76
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG13	8	1.76
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD21	15	1.75
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD22	15	1.75
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD23	15	1.75
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG11	10	1.74
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG12	10	1.74
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG13	10	1.74
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG11	12	1.74
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG12	12	1.74
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG13	12	1.74
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG11	16	1.74
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG12	16	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG13	16	1.74
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD11	11	1.73
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD12	11	1.73
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD13	11	1.73
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD21	10	1.73
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD22	10	1.73
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD23	10	1.73
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD21	16	1.72
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD22	16	1.72
(2,1843)	1:66:A:ASN:HA	1:62:A:LEU:HD23	16	1.72
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD11	3	1.72
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD12	3	1.72
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD13	3	1.72
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG11	1	1.71
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG12	1	1.71
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG13	1	1.71
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG11	4	1.71
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG12	4	1.71
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG13	4	1.71
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG11	6	1.71
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG12	6	1.71
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG13	6	1.71
(2,1302)	1:66:A:ASN:HB3	1:65:A:ARG:H	7	1.7
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG11	15	1.7
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG12	15	1.7
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG13	15	1.7
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG11	13	1.69
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG12	13	1.69
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG13	13	1.69
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD11	1	1.68
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD12	1	1.68
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD13	1	1.68
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD21	7	1.68
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD22	7	1.68
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD23	7	1.68
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD21	6	1.67
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD22	6	1.67
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD23	6	1.67
(2,688)	1:29:A:VAL:HG11	1:28:A:LEU:H	3	1.67
(2,688)	1:29:A:VAL:HG12	1:28:A:LEU:H	3	1.67
(2,688)	1:29:A:VAL:HG13	1:28:A:LEU:H	3	1.67
(2,688)	1:29:A:VAL:HG11	1:28:A:LEU:H	5	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,688)	1:29:A:VAL:HG12	1:28:A:LEU:H	5	1.67
(2,688)	1:29:A:VAL:HG13	1:28:A:LEU:H	5	1.67
(2,688)	1:29:A:VAL:HG11	1:28:A:LEU:H	13	1.67
(2,688)	1:29:A:VAL:HG12	1:28:A:LEU:H	13	1.67
(2,688)	1:29:A:VAL:HG13	1:28:A:LEU:H	13	1.67
(2,688)	1:29:A:VAL:HG11	1:28:A:LEU:H	15	1.67
(2,688)	1:29:A:VAL:HG12	1:28:A:LEU:H	15	1.67
(2,688)	1:29:A:VAL:HG13	1:28:A:LEU:H	15	1.67
(2,688)	1:29:A:VAL:HG11	1:28:A:LEU:H	16	1.67
(2,688)	1:29:A:VAL:HG12	1:28:A:LEU:H	16	1.67
(2,688)	1:29:A:VAL:HG13	1:28:A:LEU:H	16	1.67
(2,568)	1:28:A:LEU:HD11	1:25:A:LEU:HB3	2	1.67
(2,568)	1:28:A:LEU:HD12	1:25:A:LEU:HB3	2	1.67
(2,568)	1:28:A:LEU:HD13	1:25:A:LEU:HB3	2	1.67
(2,568)	1:28:A:LEU:HD11	1:25:A:LEU:HB3	5	1.67
(2,568)	1:28:A:LEU:HD12	1:25:A:LEU:HB3	5	1.67
(2,568)	1:28:A:LEU:HD13	1:25:A:LEU:HB3	5	1.67
(2,568)	1:28:A:LEU:HD11	1:25:A:LEU:HB3	6	1.67
(2,568)	1:28:A:LEU:HD12	1:25:A:LEU:HB3	6	1.67
(2,568)	1:28:A:LEU:HD13	1:25:A:LEU:HB3	6	1.67
(2,568)	1:28:A:LEU:HD11	1:25:A:LEU:HB3	7	1.67
(2,568)	1:28:A:LEU:HD12	1:25:A:LEU:HB3	7	1.67
(2,568)	1:28:A:LEU:HD13	1:25:A:LEU:HB3	7	1.67
(2,568)	1:28:A:LEU:HD11	1:25:A:LEU:HB3	11	1.67
(2,568)	1:28:A:LEU:HD12	1:25:A:LEU:HB3	11	1.67
(2,568)	1:28:A:LEU:HD13	1:25:A:LEU:HB3	11	1.67
(2,109)	1:6:A:ALA:HB1	1:8:A:ASP:HB3	8	1.67
(2,109)	1:6:A:ALA:HB2	1:8:A:ASP:HB3	8	1.67
(2,109)	1:6:A:ALA:HB3	1:8:A:ASP:HB3	8	1.67
(2,688)	1:29:A:VAL:HG11	1:28:A:LEU:H	1	1.66
(2,688)	1:29:A:VAL:HG12	1:28:A:LEU:H	1	1.66
(2,688)	1:29:A:VAL:HG13	1:28:A:LEU:H	1	1.66
(2,688)	1:29:A:VAL:HG11	1:28:A:LEU:H	2	1.66
(2,688)	1:29:A:VAL:HG12	1:28:A:LEU:H	2	1.66
(2,688)	1:29:A:VAL:HG13	1:28:A:LEU:H	2	1.66
(2,688)	1:29:A:VAL:HG11	1:28:A:LEU:H	4	1.66
(2,688)	1:29:A:VAL:HG12	1:28:A:LEU:H	4	1.66
(2,688)	1:29:A:VAL:HG13	1:28:A:LEU:H	4	1.66
(2,688)	1:29:A:VAL:HG11	1:28:A:LEU:H	7	1.66
(2,688)	1:29:A:VAL:HG12	1:28:A:LEU:H	7	1.66
(2,688)	1:29:A:VAL:HG13	1:28:A:LEU:H	7	1.66
(2,688)	1:29:A:VAL:HG11	1:28:A:LEU:H	11	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,688)	1:29:A:VAL:HG12	1:28:A:LEU:H	11	1.66
(2,688)	1:29:A:VAL:HG13	1:28:A:LEU:H	11	1.66
(2,688)	1:29:A:VAL:HG11	1:28:A:LEU:H	12	1.66
(2,688)	1:29:A:VAL:HG12	1:28:A:LEU:H	12	1.66
(2,688)	1:29:A:VAL:HG13	1:28:A:LEU:H	12	1.66
(2,568)	1:28:A:LEU:HD11	1:25:A:LEU:HB3	1	1.66
(2,568)	1:28:A:LEU:HD12	1:25:A:LEU:HB3	1	1.66
(2,568)	1:28:A:LEU:HD13	1:25:A:LEU:HB3	1	1.66
(2,568)	1:28:A:LEU:HD11	1:25:A:LEU:HB3	3	1.66
(2,568)	1:28:A:LEU:HD12	1:25:A:LEU:HB3	3	1.66
(2,568)	1:28:A:LEU:HD13	1:25:A:LEU:HB3	3	1.66
(2,568)	1:28:A:LEU:HD11	1:25:A:LEU:HB3	9	1.66
(2,568)	1:28:A:LEU:HD12	1:25:A:LEU:HB3	9	1.66
(2,568)	1:28:A:LEU:HD13	1:25:A:LEU:HB3	9	1.66
(2,568)	1:28:A:LEU:HD11	1:25:A:LEU:HB3	10	1.66
(2,568)	1:28:A:LEU:HD12	1:25:A:LEU:HB3	10	1.66
(2,568)	1:28:A:LEU:HD13	1:25:A:LEU:HB3	10	1.66
(2,568)	1:28:A:LEU:HD11	1:25:A:LEU:HB3	14	1.66
(2,568)	1:28:A:LEU:HD12	1:25:A:LEU:HB3	14	1.66
(2,568)	1:28:A:LEU:HD13	1:25:A:LEU:HB3	14	1.66
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG11	14	1.66
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG12	14	1.66
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG13	14	1.66
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG21	13	1.66
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG22	13	1.66
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG23	13	1.66
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD21	4	1.65
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD22	4	1.65
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD23	4	1.65
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD21	5	1.65
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD22	5	1.65
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD23	5	1.65
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD11	11	1.65
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD12	11	1.65
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD13	11	1.65
(2,688)	1:29:A:VAL:HG11	1:28:A:LEU:H	6	1.65
(2,688)	1:29:A:VAL:HG12	1:28:A:LEU:H	6	1.65
(2,688)	1:29:A:VAL:HG13	1:28:A:LEU:H	6	1.65
(2,688)	1:29:A:VAL:HG11	1:28:A:LEU:H	8	1.65
(2,688)	1:29:A:VAL:HG12	1:28:A:LEU:H	8	1.65
(2,688)	1:29:A:VAL:HG13	1:28:A:LEU:H	8	1.65
(2,688)	1:29:A:VAL:HG11	1:28:A:LEU:H	10	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,688)	1:29:A:VAL:HG12	1:28:A:LEU:H	10	1.65
(2,688)	1:29:A:VAL:HG13	1:28:A:LEU:H	10	1.65
(2,688)	1:29:A:VAL:HG11	1:28:A:LEU:H	14	1.65
(2,688)	1:29:A:VAL:HG12	1:28:A:LEU:H	14	1.65
(2,688)	1:29:A:VAL:HG13	1:28:A:LEU:H	14	1.65
(2,568)	1:28:A:LEU:HD11	1:25:A:LEU:HB3	8	1.65
(2,568)	1:28:A:LEU:HD12	1:25:A:LEU:HB3	8	1.65
(2,568)	1:28:A:LEU:HD13	1:25:A:LEU:HB3	8	1.65
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD21	8	1.65
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD22	8	1.65
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD23	8	1.65
(2,1558)	1:82:A:PHE:HA	1:85:A:PRO:HB2	9	1.64
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD21	12	1.64
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD22	12	1.64
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD23	12	1.64
(2,688)	1:29:A:VAL:HG11	1:28:A:LEU:H	9	1.64
(2,688)	1:29:A:VAL:HG12	1:28:A:LEU:H	9	1.64
(2,688)	1:29:A:VAL:HG13	1:28:A:LEU:H	9	1.64
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD21	4	1.64
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD22	4	1.64
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD23	4	1.64
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD21	4	1.64
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD22	4	1.64
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD23	4	1.64
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD21	4	1.64
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD22	4	1.64
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD23	4	1.64
(2,568)	1:28:A:LEU:HD11	1:25:A:LEU:HB3	4	1.64
(2,568)	1:28:A:LEU:HD12	1:25:A:LEU:HB3	4	1.64
(2,568)	1:28:A:LEU:HD13	1:25:A:LEU:HB3	4	1.64
(2,568)	1:28:A:LEU:HD11	1:25:A:LEU:HB3	16	1.64
(2,568)	1:28:A:LEU:HD12	1:25:A:LEU:HB3	16	1.64
(2,568)	1:28:A:LEU:HD13	1:25:A:LEU:HB3	16	1.64
(2,1794)	1:99:A:THR:HG21	1:101:A:SER:HB2	3	1.63
(2,1794)	1:99:A:THR:HG22	1:101:A:SER:HB2	3	1.63
(2,1794)	1:99:A:THR:HG23	1:101:A:SER:HB2	3	1.63
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD21	1	1.63
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD22	1	1.63
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD23	1	1.63
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD11	7	1.63
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD12	7	1.63
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD13	7	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD21	10	1.63
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD22	10	1.63
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD23	10	1.63
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD21	10	1.63
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD22	10	1.63
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD23	10	1.63
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD21	10	1.63
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD22	10	1.63
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD23	10	1.63
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD21	14	1.63
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD22	14	1.63
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD23	14	1.63
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD21	14	1.63
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD22	14	1.63
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD23	14	1.63
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD21	14	1.63
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD22	14	1.63
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD23	14	1.63
(2,109)	1:6:A:ALA:HB1	1:8:A:ASP:HB3	7	1.63
(2,109)	1:6:A:ALA:HB2	1:8:A:ASP:HB3	7	1.63
(2,109)	1:6:A:ALA:HB3	1:8:A:ASP:HB3	7	1.63
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD21	2	1.63
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD22	2	1.63
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD23	2	1.63
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD21	4	1.63
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD22	4	1.63
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD23	4	1.63
(2,1785)	1:98:A:LEU:HD11	1:95:A:HIS:HB2	11	1.62
(2,1785)	1:98:A:LEU:HD12	1:95:A:HIS:HB2	11	1.62
(2,1785)	1:98:A:LEU:HD13	1:95:A:HIS:HB2	11	1.62
(2,1558)	1:82:A:PHE:HA	1:85:A:PRO:HB2	15	1.62
(2,1486)	1:78:A:PRO:HB2	1:79:A:THR:H	14	1.62
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD21	13	1.62
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD22	13	1.62
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD23	13	1.62
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD21	15	1.62
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD22	15	1.62
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD23	15	1.62
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD21	5	1.62
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD22	5	1.62
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD23	5	1.62
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD21	5	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD22	5	1.62
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD23	5	1.62
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD21	5	1.62
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD22	5	1.62
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD23	5	1.62
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD21	6	1.62
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD22	6	1.62
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD23	6	1.62
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD21	6	1.62
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD22	6	1.62
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD23	6	1.62
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD21	6	1.62
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD22	6	1.62
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD23	6	1.62
(2,568)	1:28:A:LEU:HD11	1:25:A:LEU:HB3	15	1.62
(2,568)	1:28:A:LEU:HD12	1:25:A:LEU:HB3	15	1.62
(2,568)	1:28:A:LEU:HD13	1:25:A:LEU:HB3	15	1.62
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG11	2	1.62
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG12	2	1.62
(2,555)	1:25:A:LEU:HB2	1:29:A:VAL:HG13	2	1.62
(2,109)	1:6:A:ALA:HB1	1:8:A:ASP:HB3	4	1.62
(2,109)	1:6:A:ALA:HB2	1:8:A:ASP:HB3	4	1.62
(2,109)	1:6:A:ALA:HB3	1:8:A:ASP:HB3	4	1.62
(2,109)	1:6:A:ALA:HB1	1:8:A:ASP:HB3	5	1.62
(2,109)	1:6:A:ALA:HB2	1:8:A:ASP:HB3	5	1.62
(2,109)	1:6:A:ALA:HB3	1:8:A:ASP:HB3	5	1.62
(2,109)	1:6:A:ALA:HB1	1:8:A:ASP:HB3	12	1.62
(2,109)	1:6:A:ALA:HB2	1:8:A:ASP:HB3	12	1.62
(2,109)	1:6:A:ALA:HB3	1:8:A:ASP:HB3	12	1.62
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD21	12	1.62
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD22	12	1.62
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD23	12	1.62
(2,1486)	1:78:A:PRO:HB2	1:79:A:THR:H	2	1.61
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD21	10	1.61
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD22	10	1.61
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD23	10	1.61
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD21	1	1.61
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD22	1	1.61
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD23	1	1.61
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD21	1	1.61
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD22	1	1.61
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD23	1	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD21	1	1.61
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD22	1	1.61
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD23	1	1.61
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD21	2	1.61
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD22	2	1.61
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD23	2	1.61
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD21	2	1.61
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD22	2	1.61
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD23	2	1.61
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD21	2	1.61
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD22	2	1.61
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD23	2	1.61
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD21	16	1.61
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD22	16	1.61
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD23	16	1.61
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD21	16	1.61
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD22	16	1.61
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD23	16	1.61
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD21	16	1.61
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD22	16	1.61
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD23	16	1.61
(2,568)	1:28:A:LEU:HD11	1:25:A:LEU:HB3	12	1.61
(2,568)	1:28:A:LEU:HD12	1:25:A:LEU:HB3	12	1.61
(2,568)	1:28:A:LEU:HD13	1:25:A:LEU:HB3	12	1.61
(2,109)	1:6:A:ALA:HB1	1:8:A:ASP:HB3	2	1.61
(2,109)	1:6:A:ALA:HB2	1:8:A:ASP:HB3	2	1.61
(2,109)	1:6:A:ALA:HB3	1:8:A:ASP:HB3	2	1.61
(2,109)	1:6:A:ALA:HB1	1:8:A:ASP:HB3	13	1.61
(2,109)	1:6:A:ALA:HB2	1:8:A:ASP:HB3	13	1.61
(2,109)	1:6:A:ALA:HB3	1:8:A:ASP:HB3	13	1.61
(2,1486)	1:78:A:PRO:HB2	1:79:A:THR:H	3	1.6
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD21	3	1.6
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD22	3	1.6
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD23	3	1.6
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD21	7	1.6
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD22	7	1.6
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD23	7	1.6
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD21	7	1.6
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD22	7	1.6
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD23	7	1.6
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD21	7	1.6
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD22	7	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD23	7	1.6
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD21	15	1.6
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD22	15	1.6
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD23	15	1.6
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD21	15	1.6
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD22	15	1.6
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD23	15	1.6
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD21	15	1.6
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD22	15	1.6
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD23	15	1.6
(2,355)	1:16:A:LEU:HG	1:20:A:GLN:HG3	11	1.6
(2,109)	1:6:A:ALA:HB1	1:8:A:ASP:HB3	14	1.6
(2,109)	1:6:A:ALA:HB2	1:8:A:ASP:HB3	14	1.6
(2,109)	1:6:A:ALA:HB3	1:8:A:ASP:HB3	14	1.6
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB1	12	1.59
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB2	12	1.59
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB3	12	1.59
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB1	12	1.59
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB2	12	1.59
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB3	12	1.59
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB1	12	1.59
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB2	12	1.59
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB3	12	1.59
(2,1486)	1:78:A:PRO:HB2	1:79:A:THR:H	13	1.59
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG21	6	1.59
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG22	6	1.59
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG23	6	1.59
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG21	6	1.59
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG22	6	1.59
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG23	6	1.59
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG21	6	1.59
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG22	6	1.59
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG23	6	1.59
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD21	8	1.59
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD22	8	1.59
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD23	8	1.59
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD21	8	1.59
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD22	8	1.59
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD23	8	1.59
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD21	8	1.59
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD22	8	1.59
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD23	8	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD21	9	1.59
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD22	9	1.59
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD23	9	1.59
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD21	9	1.59
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD22	9	1.59
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD23	9	1.59
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD21	9	1.59
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD22	9	1.59
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD23	9	1.59
(2,568)	1:28:A:LEU:HD11	1:25:A:LEU:HB3	13	1.59
(2,568)	1:28:A:LEU:HD12	1:25:A:LEU:HB3	13	1.59
(2,568)	1:28:A:LEU:HD13	1:25:A:LEU:HB3	13	1.59
(2,355)	1:16:A:LEU:HG	1:20:A:GLN:HG3	3	1.59
(2,109)	1:6:A:ALA:HB1	1:8:A:ASP:HB3	6	1.59
(2,109)	1:6:A:ALA:HB2	1:8:A:ASP:HB3	6	1.59
(2,109)	1:6:A:ALA:HB3	1:8:A:ASP:HB3	6	1.59
(2,109)	1:6:A:ALA:HB1	1:8:A:ASP:HB3	10	1.59
(2,109)	1:6:A:ALA:HB2	1:8:A:ASP:HB3	10	1.59
(2,109)	1:6:A:ALA:HB3	1:8:A:ASP:HB3	10	1.59
(2,109)	1:6:A:ALA:HB1	1:8:A:ASP:HB3	11	1.59
(2,109)	1:6:A:ALA:HB2	1:8:A:ASP:HB3	11	1.59
(2,109)	1:6:A:ALA:HB3	1:8:A:ASP:HB3	11	1.59
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD21	14	1.58
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD22	14	1.58
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD23	14	1.58
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD21	12	1.58
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD22	12	1.58
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD23	12	1.58
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD21	12	1.58
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD22	12	1.58
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD23	12	1.58
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD21	12	1.58
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD22	12	1.58
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD23	12	1.58
(2,109)	1:6:A:ALA:HB1	1:8:A:ASP:HB3	9	1.58
(2,109)	1:6:A:ALA:HB2	1:8:A:ASP:HB3	9	1.58
(2,109)	1:6:A:ALA:HB3	1:8:A:ASP:HB3	9	1.58
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG21	8	1.57
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG22	8	1.57
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG23	8	1.57
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG21	8	1.57
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG22	8	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG23	8	1.57
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG21	8	1.57
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG22	8	1.57
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG23	8	1.57
(2,879)	1:60:A:THR:HB	1:63:A:GLU:HB2	5	1.57
(2,105)	1:5:A:ALA:HB1	1:3:A:ALA:HA	3	1.57
(2,105)	1:5:A:ALA:HB2	1:3:A:ALA:HA	3	1.57
(2,105)	1:5:A:ALA:HB3	1:3:A:ALA:HA	3	1.57
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD11	5	1.56
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD12	5	1.56
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD13	5	1.56
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG21	7	1.56
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG22	7	1.56
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG23	7	1.56
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG21	7	1.56
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG22	7	1.56
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG23	7	1.56
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG21	7	1.56
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG22	7	1.56
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG23	7	1.56
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD11	13	1.55
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD12	13	1.55
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD13	13	1.55
(2,879)	1:60:A:THR:HB	1:63:A:GLU:HB2	2	1.55
(2,879)	1:60:A:THR:HB	1:63:A:GLU:HB2	13	1.55
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD21	13	1.55
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD22	13	1.55
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD23	13	1.55
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD21	13	1.55
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD22	13	1.55
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD23	13	1.55
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD21	13	1.55
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD22	13	1.55
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD23	13	1.55
(2,109)	1:6:A:ALA:HB1	1:8:A:ASP:HB3	1	1.55
(2,109)	1:6:A:ALA:HB2	1:8:A:ASP:HB3	1	1.55
(2,109)	1:6:A:ALA:HB3	1:8:A:ASP:HB3	1	1.55
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD21	13	1.55
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD22	13	1.55
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD23	13	1.55
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD21	2	1.54
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD22	2	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD23	2	1.54
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD11	4	1.54
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD12	4	1.54
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD13	4	1.54
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD11	12	1.54
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD12	12	1.54
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD13	12	1.54
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG21	10	1.54
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG22	10	1.54
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG23	10	1.54
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG21	10	1.54
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG22	10	1.54
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG23	10	1.54
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG21	10	1.54
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG22	10	1.54
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG23	10	1.54
(2,879)	1:60:A:THR:HB	1:63:A:GLU:HB2	9	1.54
(2,879)	1:60:A:THR:HB	1:63:A:GLU:HB2	11	1.54
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD21	3	1.54
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD22	3	1.54
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD23	3	1.54
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD21	3	1.54
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD22	3	1.54
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD23	3	1.54
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD21	3	1.54
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD22	3	1.54
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD23	3	1.54
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG21	4	1.54
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG22	4	1.54
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG23	4	1.54
(2,1558)	1:82:A:PHE:HA	1:85:A:PRO:HB2	1	1.53
(2,1785)	1:98:A:LEU:HD11	1:95:A:HIS:HB2	10	1.52
(2,1785)	1:98:A:LEU:HD12	1:95:A:HIS:HB2	10	1.52
(2,1785)	1:98:A:LEU:HD13	1:95:A:HIS:HB2	10	1.52
(2,1558)	1:82:A:PHE:HA	1:85:A:PRO:HB2	13	1.52
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD21	7	1.52
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD22	7	1.52
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD23	7	1.52
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD11	10	1.52
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD12	10	1.52
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD13	10	1.52
(2,901)	1:41:A:THR:HG21	1:40:A:HIS:HD2	3	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,901)	1:41:A:THR:HG22	1:40:A:HIS:HD2	3	1.52
(2,901)	1:41:A:THR:HG23	1:40:A:HIS:HD2	3	1.52
(2,879)	1:60:A:THR:HB	1:63:A:GLU:HB2	6	1.52
(2,879)	1:60:A:THR:HB	1:63:A:GLU:HB2	12	1.52
(2,879)	1:60:A:THR:HB	1:63:A:GLU:HB2	15	1.52
(2,105)	1:5:A:ALA:HB1	1:3:A:ALA:HA	16	1.52
(2,105)	1:5:A:ALA:HB2	1:3:A:ALA:HA	16	1.52
(2,105)	1:5:A:ALA:HB3	1:3:A:ALA:HA	16	1.52
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD21	11	1.51
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD22	11	1.51
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD23	11	1.51
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD11	16	1.51
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD12	16	1.51
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD13	16	1.51
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG21	2	1.51
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG22	2	1.51
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG23	2	1.51
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG21	2	1.51
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG22	2	1.51
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG23	2	1.51
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG21	2	1.51
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG22	2	1.51
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG23	2	1.51
(2,879)	1:60:A:THR:HB	1:63:A:GLU:HB2	4	1.51
(2,879)	1:60:A:THR:HB	1:63:A:GLU:HB2	10	1.5
(2,879)	1:60:A:THR:HB	1:63:A:GLU:HB2	16	1.5
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE1	9	1.5
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE2	9	1.5
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE1	9	1.5
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE2	9	1.5
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE1	9	1.5
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE2	9	1.5
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD21	11	1.5
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD22	11	1.5
(2,650)	1:31:A:ALA:HB1	1:28:A:LEU:HD23	11	1.5
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD21	11	1.5
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD22	11	1.5
(2,650)	1:31:A:ALA:HB2	1:28:A:LEU:HD23	11	1.5
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD21	11	1.5
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD22	11	1.5
(2,650)	1:31:A:ALA:HB3	1:28:A:LEU:HD23	11	1.5
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG21	6	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG22	6	1.5
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG23	6	1.5
(2,1558)	1:82:A:PHE:HA	1:85:A:PRO:HB2	10	1.49
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD11	6	1.49
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD12	6	1.49
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD13	6	1.49
(2,901)	1:41:A:THR:HG21	1:40:A:HIS:HD2	9	1.48
(2,901)	1:41:A:THR:HG22	1:40:A:HIS:HD2	9	1.48
(2,901)	1:41:A:THR:HG23	1:40:A:HIS:HD2	9	1.48
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD21	3	1.48
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD22	3	1.48
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD23	3	1.48
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD11	14	1.47
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD12	14	1.47
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD13	14	1.47
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG21	3	1.47
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG22	3	1.47
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG23	3	1.47
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG21	3	1.47
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG22	3	1.47
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG23	3	1.47
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG21	3	1.47
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG22	3	1.47
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG23	3	1.47
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG21	14	1.47
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG22	14	1.47
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG23	14	1.47
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG21	14	1.47
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG22	14	1.47
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG23	14	1.47
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG21	14	1.47
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG22	14	1.47
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG23	14	1.47
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD21	11	1.47
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD22	11	1.47
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD23	11	1.47
(2,1785)	1:98:A:LEU:HD11	1:95:A:HIS:HB2	15	1.46
(2,1785)	1:98:A:LEU:HD12	1:95:A:HIS:HB2	15	1.46
(2,1785)	1:98:A:LEU:HD13	1:95:A:HIS:HB2	15	1.46
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG21	12	1.46
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG22	12	1.46
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG23	12	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG21	12	1.46
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG22	12	1.46
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG23	12	1.46
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG21	12	1.46
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG22	12	1.46
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG23	12	1.46
(2,879)	1:60:A:THR:HB	1:63:A:GLU:HB2	3	1.46
(2,879)	1:60:A:THR:HB	1:63:A:GLU:HB2	14	1.46
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG21	1	1.46
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG22	1	1.46
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG23	1	1.46
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD21	14	1.46
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD22	14	1.46
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD23	14	1.46
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD21	16	1.46
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD22	16	1.46
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD23	16	1.46
(2,1785)	1:98:A:LEU:HD11	1:95:A:HIS:HB2	2	1.45
(2,1785)	1:98:A:LEU:HD12	1:95:A:HIS:HB2	2	1.45
(2,1785)	1:98:A:LEU:HD13	1:95:A:HIS:HB2	2	1.45
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD21	16	1.45
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD22	16	1.45
(2,1360)	1:93:A:HIS:HB2	1:90:A:LEU:HD23	16	1.45
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG21	9	1.45
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG22	9	1.45
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG23	9	1.45
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB1	16	1.44
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB2	16	1.44
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB3	16	1.44
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB1	16	1.44
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB2	16	1.44
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB3	16	1.44
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB1	16	1.44
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB2	16	1.44
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB3	16	1.44
(2,1486)	1:78:A:PRO:HB2	1:79:A:THR:H	16	1.44
(2,1322)	1:68:A:LEU:HG	1:64:A:LEU:HG	16	1.44
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD11	15	1.44
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD12	15	1.44
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD13	15	1.44
(2,1695)	1:91:A:THR:HA	1:90:A:LEU:HG	8	1.43
(2,1622)	1:29:A:VAL:HG21	1:87:A:PRO:HA	7	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1622)	1:29:A:VAL:HG22	1:87:A:PRO:HA	7	1.43
(2,1622)	1:29:A:VAL:HG23	1:87:A:PRO:HA	7	1.43
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB1	4	1.43
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB2	4	1.43
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB3	4	1.43
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB1	4	1.43
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB2	4	1.43
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB3	4	1.43
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB1	4	1.43
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB2	4	1.43
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB3	4	1.43
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD11	1	1.43
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD12	1	1.43
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD13	1	1.43
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG21	4	1.43
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG22	4	1.43
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG23	4	1.43
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG21	4	1.43
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG22	4	1.43
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG23	4	1.43
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG21	4	1.43
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG22	4	1.43
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG23	4	1.43
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG21	15	1.43
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG22	15	1.43
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG23	15	1.43
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG21	15	1.43
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG22	15	1.43
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG23	15	1.43
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG21	15	1.43
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG22	15	1.43
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG23	15	1.43
(2,109)	1:6:A:ALA:HB1	1:8:A:ASP:HB3	15	1.43
(2,109)	1:6:A:ALA:HB2	1:8:A:ASP:HB3	15	1.43
(2,109)	1:6:A:ALA:HB3	1:8:A:ASP:HB3	15	1.43
(2,1818)	1:5:A:ALA:HB1	1:4:A:SER:HB2	15	1.42
(2,1818)	1:5:A:ALA:HB2	1:4:A:SER:HB2	15	1.42
(2,1818)	1:5:A:ALA:HB3	1:4:A:SER:HB2	15	1.42
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB1	7	1.42
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB2	7	1.42
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB3	7	1.42
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB1	7	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB2	7	1.42
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB3	7	1.42
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB1	7	1.42
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB2	7	1.42
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB3	7	1.42
(2,1322)	1:68:A:LEU:HG	1:64:A:LEU:HG	8	1.42
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD11	2	1.42
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD12	2	1.42
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD13	2	1.42
(2,901)	1:41:A:THR:HG21	1:40:A:HIS:HD2	2	1.42
(2,901)	1:41:A:THR:HG22	1:40:A:HIS:HD2	2	1.42
(2,901)	1:41:A:THR:HG23	1:40:A:HIS:HD2	2	1.42
(2,879)	1:60:A:THR:HB	1:63:A:GLU:HB2	7	1.42
(1,146)	1:50:A:ALA:H	1:53:A:ASP:HB3	13	1.42
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG11	12	1.41
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG12	12	1.41
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG13	12	1.41
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG11	12	1.41
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG12	12	1.41
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG13	12	1.41
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG11	12	1.41
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG12	12	1.41
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG13	12	1.41
(2,1818)	1:5:A:ALA:HB1	1:4:A:SER:HB2	4	1.41
(2,1818)	1:5:A:ALA:HB2	1:4:A:SER:HB2	4	1.41
(2,1818)	1:5:A:ALA:HB3	1:4:A:SER:HB2	4	1.41
(2,1785)	1:98:A:LEU:HD11	1:95:A:HIS:HB2	4	1.41
(2,1785)	1:98:A:LEU:HD12	1:95:A:HIS:HB2	4	1.41
(2,1785)	1:98:A:LEU:HD13	1:95:A:HIS:HB2	4	1.41
(2,1695)	1:91:A:THR:HA	1:90:A:LEU:HG	9	1.41
(2,1672)	1:51:A:PHE:HZ	1:90:A:LEU:HB2	7	1.41
(2,1622)	1:29:A:VAL:HG21	1:87:A:PRO:HA	9	1.41
(2,1622)	1:29:A:VAL:HG22	1:87:A:PRO:HA	9	1.41
(2,1622)	1:29:A:VAL:HG23	1:87:A:PRO:HA	9	1.41
(2,1322)	1:68:A:LEU:HG	1:64:A:LEU:HG	13	1.41
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD11	16	1.41
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD12	16	1.41
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD13	16	1.41
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD11	3	1.41
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD12	3	1.41
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD13	3	1.41
(2,1260)	1:64:A:LEU:HD21	1:61:A:ALA:HA	6	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1260)	1:64:A:LEU:HD22	1:61:A:ALA:HA	6	1.41
(2,1260)	1:64:A:LEU:HD23	1:61:A:ALA:HA	6	1.41
(2,1260)	1:64:A:LEU:HD21	1:61:A:ALA:HA	8	1.41
(2,1260)	1:64:A:LEU:HD22	1:61:A:ALA:HA	8	1.41
(2,1260)	1:64:A:LEU:HD23	1:61:A:ALA:HA	8	1.41
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD11	10	1.41
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD12	10	1.41
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD13	10	1.41
(2,109)	1:6:A:ALA:HB1	1:8:A:ASP:HB3	3	1.41
(2,109)	1:6:A:ALA:HB2	1:8:A:ASP:HB3	3	1.41
(2,109)	1:6:A:ALA:HB3	1:8:A:ASP:HB3	3	1.41
(1,146)	1:50:A:ALA:H	1:53:A:ASP:HB3	7	1.41
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG11	1	1.4
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG12	1	1.4
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG13	1	1.4
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG11	1	1.4
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG12	1	1.4
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG13	1	1.4
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG11	1	1.4
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG12	1	1.4
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG13	1	1.4
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG11	8	1.4
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG12	8	1.4
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG13	8	1.4
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG11	8	1.4
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG12	8	1.4
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG13	8	1.4
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG11	8	1.4
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG12	8	1.4
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG13	8	1.4
(2,1818)	1:5:A:ALA:HB1	1:4:A:SER:HB2	1	1.4
(2,1818)	1:5:A:ALA:HB2	1:4:A:SER:HB2	1	1.4
(2,1818)	1:5:A:ALA:HB3	1:4:A:SER:HB2	1	1.4
(2,1622)	1:29:A:VAL:HG21	1:87:A:PRO:HA	6	1.4
(2,1622)	1:29:A:VAL:HG22	1:87:A:PRO:HA	6	1.4
(2,1622)	1:29:A:VAL:HG23	1:87:A:PRO:HA	6	1.4
(2,1486)	1:78:A:PRO:HB2	1:79:A:THR:H	10	1.4
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD11	7	1.4
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD12	7	1.4
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD13	7	1.4
(2,1260)	1:64:A:LEU:HD21	1:61:A:ALA:HA	5	1.4
(2,1260)	1:64:A:LEU:HD22	1:61:A:ALA:HA	5	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1260)	1:64:A:LEU:HD23	1:61:A:ALA:HA	5	1.4
(2,1260)	1:64:A:LEU:HD21	1:61:A:ALA:HA	12	1.4
(2,1260)	1:64:A:LEU:HD22	1:61:A:ALA:HA	12	1.4
(2,1260)	1:64:A:LEU:HD23	1:61:A:ALA:HA	12	1.4
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG21	9	1.4
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG22	9	1.4
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG23	9	1.4
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG21	9	1.4
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG22	9	1.4
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG23	9	1.4
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG21	9	1.4
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG22	9	1.4
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG23	9	1.4
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG21	11	1.4
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG22	11	1.4
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG23	11	1.4
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG21	11	1.4
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG22	11	1.4
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG23	11	1.4
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG21	11	1.4
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG22	11	1.4
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG23	11	1.4
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG11	4	1.39
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG12	4	1.39
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG13	4	1.39
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG11	4	1.39
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG12	4	1.39
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG13	4	1.39
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG11	4	1.39
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG12	4	1.39
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG13	4	1.39
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG11	11	1.39
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG12	11	1.39
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG13	11	1.39
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG11	11	1.39
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG12	11	1.39
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG13	11	1.39
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG11	11	1.39
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG12	11	1.39
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG13	11	1.39
(2,1818)	1:5:A:ALA:HB1	1:4:A:SER:HB2	7	1.39
(2,1818)	1:5:A:ALA:HB2	1:4:A:SER:HB2	7	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1818)	1:5:A:ALA:HB3	1:4:A:SER:HB2	7	1.39
(2,1672)	1:51:A:PHE:HZ	1:90:A:LEU:HB2	16	1.39
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB1	5	1.39
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB2	5	1.39
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB3	5	1.39
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB1	5	1.39
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB2	5	1.39
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB3	5	1.39
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB1	5	1.39
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB2	5	1.39
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB3	5	1.39
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB1	6	1.39
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB2	6	1.39
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB3	6	1.39
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB1	6	1.39
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB2	6	1.39
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB3	6	1.39
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB1	6	1.39
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB2	6	1.39
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB3	6	1.39
(2,1486)	1:78:A:PRO:HB2	1:79:A:THR:H	5	1.39
(2,1260)	1:64:A:LEU:HD21	1:61:A:ALA:HA	4	1.39
(2,1260)	1:64:A:LEU:HD22	1:61:A:ALA:HA	4	1.39
(2,1260)	1:64:A:LEU:HD23	1:61:A:ALA:HA	4	1.39
(2,1260)	1:64:A:LEU:HD21	1:61:A:ALA:HA	10	1.39
(2,1260)	1:64:A:LEU:HD22	1:61:A:ALA:HA	10	1.39
(2,1260)	1:64:A:LEU:HD23	1:61:A:ALA:HA	10	1.39
(2,1260)	1:64:A:LEU:HD21	1:61:A:ALA:HA	13	1.39
(2,1260)	1:64:A:LEU:HD22	1:61:A:ALA:HA	13	1.39
(2,1260)	1:64:A:LEU:HD23	1:61:A:ALA:HA	13	1.39
(2,1260)	1:64:A:LEU:HD21	1:61:A:ALA:HA	14	1.39
(2,1260)	1:64:A:LEU:HD22	1:61:A:ALA:HA	14	1.39
(2,1260)	1:64:A:LEU:HD23	1:61:A:ALA:HA	14	1.39
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD11	14	1.39
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD12	14	1.39
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD13	14	1.39
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG21	5	1.39
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG22	5	1.39
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG23	5	1.39
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG21	5	1.39
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG22	5	1.39
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG23	5	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG21	5	1.39
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG22	5	1.39
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG23	5	1.39
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG21	16	1.39
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG22	16	1.39
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG23	16	1.39
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG21	16	1.39
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG22	16	1.39
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG23	16	1.39
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG21	16	1.39
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG22	16	1.39
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG23	16	1.39
(2,879)	1:60:A:THR:HB	1:63:A:GLU:HB2	1	1.39
(2,285)	1:13:A:LEU:HA	1:21:A:GLN:HG2	5	1.39
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD21	11	1.39
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD22	11	1.39
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD23	11	1.39
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD11	4	1.39
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD12	4	1.39
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD13	4	1.39
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD11	4	1.39
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD12	4	1.39
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD13	4	1.39
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD11	4	1.39
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD12	4	1.39
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD13	4	1.39
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD11	13	1.39
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD12	13	1.39
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD13	13	1.39
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD11	13	1.39
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD12	13	1.39
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD13	13	1.39
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD11	13	1.39
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD12	13	1.39
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD13	13	1.39
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD21	6	1.39
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD22	6	1.39
(1,559)	1:23:A:GLN:H	1:13:A:LEU:HD23	6	1.39
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG11	3	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG12	3	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG13	3	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG11	3	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG12	3	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG13	3	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG11	3	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG12	3	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG13	3	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG11	5	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG12	5	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG13	5	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG11	5	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG12	5	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG13	5	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG11	5	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG12	5	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG13	5	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG11	6	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG12	6	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG13	6	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG11	6	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG12	6	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG13	6	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG11	6	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG12	6	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG13	6	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG11	7	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG12	7	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG13	7	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG11	7	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG12	7	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG13	7	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG11	7	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG12	7	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG13	7	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG11	9	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG12	9	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG13	9	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG11	9	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG12	9	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG13	9	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG11	9	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG12	9	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG13	9	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG11	10	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG12	10	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG13	10	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG11	10	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG12	10	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG13	10	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG11	10	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG12	10	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG13	10	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG11	14	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG12	14	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG13	14	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG11	14	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG12	14	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG13	14	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG11	14	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG12	14	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG13	14	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG11	15	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG12	15	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG13	15	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG11	15	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG12	15	1.38
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG13	15	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG11	15	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG12	15	1.38
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG13	15	1.38
(2,1818)	1:5:A:ALA:HB1	1:4:A:SER:HB2	13	1.38
(2,1818)	1:5:A:ALA:HB2	1:4:A:SER:HB2	13	1.38
(2,1818)	1:5:A:ALA:HB3	1:4:A:SER:HB2	13	1.38
(2,1785)	1:98:A:LEU:HD11	1:95:A:HIS:HB2	5	1.38
(2,1785)	1:98:A:LEU:HD12	1:95:A:HIS:HB2	5	1.38
(2,1785)	1:98:A:LEU:HD13	1:95:A:HIS:HB2	5	1.38
(2,1672)	1:51:A:PHE:HZ	1:90:A:LEU:HB2	10	1.38
(2,1322)	1:68:A:LEU:HG	1:64:A:LEU:HG	4	1.38
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD11	8	1.38
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD12	8	1.38
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD13	8	1.38
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD11	13	1.38
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD12	13	1.38
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD13	13	1.38
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD11	13	1.38
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD12	13	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD13	13	1.38
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD11	10	1.38
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD12	10	1.38
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD13	10	1.38
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD11	10	1.38
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD12	10	1.38
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD13	10	1.38
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD11	10	1.38
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD12	10	1.38
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD13	10	1.38
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD11	15	1.38
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD12	15	1.38
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD13	15	1.38
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD11	15	1.38
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD12	15	1.38
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD13	15	1.38
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD11	15	1.38
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD12	15	1.38
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD13	15	1.38
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD11	16	1.38
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD12	16	1.38
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD13	16	1.38
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD11	16	1.38
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD12	16	1.38
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD13	16	1.38
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD11	16	1.38
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD12	16	1.38
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD13	16	1.38
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG21	8	1.38
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG22	8	1.38
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG23	8	1.38
(1,146)	1:50:A:ALA:H	1:53:A:ASP:HB3	2	1.38
(1,146)	1:50:A:ALA:H	1:53:A:ASP:HB3	5	1.38
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG11	2	1.37
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG12	2	1.37
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG13	2	1.37
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG11	2	1.37
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG12	2	1.37
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG13	2	1.37
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG11	2	1.37
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG12	2	1.37
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG13	2	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG11	16	1.37
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG12	16	1.37
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG13	16	1.37
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG11	16	1.37
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG12	16	1.37
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG13	16	1.37
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG11	16	1.37
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG12	16	1.37
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG13	16	1.37
(2,1818)	1:5:A:ALA:HB1	1:4:A:SER:HB2	12	1.37
(2,1818)	1:5:A:ALA:HB2	1:4:A:SER:HB2	12	1.37
(2,1818)	1:5:A:ALA:HB3	1:4:A:SER:HB2	12	1.37
(2,1622)	1:29:A:VAL:HG21	1:87:A:PRO:HA	2	1.37
(2,1622)	1:29:A:VAL:HG22	1:87:A:PRO:HA	2	1.37
(2,1622)	1:29:A:VAL:HG23	1:87:A:PRO:HA	2	1.37
(2,1558)	1:82:A:PHE:HA	1:85:A:PRO:HB2	2	1.37
(2,1558)	1:82:A:PHE:HA	1:85:A:PRO:HB2	14	1.37
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB1	2	1.37
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB2	2	1.37
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB3	2	1.37
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB1	2	1.37
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB2	2	1.37
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB3	2	1.37
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB1	2	1.37
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB2	2	1.37
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB3	2	1.37
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB1	8	1.37
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB2	8	1.37
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB3	8	1.37
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB1	8	1.37
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB2	8	1.37
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB3	8	1.37
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB1	8	1.37
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB2	8	1.37
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB3	8	1.37
(2,1478)	1:75:A:ASP:HB2	1:74:A:LEU:HB2	5	1.37
(2,1322)	1:68:A:LEU:HG	1:64:A:LEU:HG	6	1.37
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD11	5	1.37
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD12	5	1.37
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD13	5	1.37
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD11	6	1.37
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD12	6	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD13	6	1.37
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD11	12	1.37
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD12	12	1.37
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD13	12	1.37
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG21	1	1.37
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG22	1	1.37
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG23	1	1.37
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG21	1	1.37
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG22	1	1.37
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG23	1	1.37
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG21	1	1.37
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG22	1	1.37
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG23	1	1.37
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE1	7	1.37
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE2	7	1.37
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE1	7	1.37
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE2	7	1.37
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE1	7	1.37
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE2	7	1.37
(2,789)	1:29:A:VAL:HG21	1:33:A:THR:HG1	1	1.37
(2,789)	1:29:A:VAL:HG22	1:33:A:THR:HG1	1	1.37
(2,789)	1:29:A:VAL:HG23	1:33:A:THR:HG1	1	1.37
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD11	5	1.37
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD12	5	1.37
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD13	5	1.37
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD11	5	1.37
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD12	5	1.37
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD13	5	1.37
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD11	5	1.37
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD12	5	1.37
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD13	5	1.37
(1,146)	1:50:A:ALA:H	1:53:A:ASP:HB3	12	1.37
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG11	13	1.36
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG12	13	1.36
(2,1877)	1:28:A:LEU:HD21	1:29:A:VAL:HG13	13	1.36
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG11	13	1.36
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG12	13	1.36
(2,1877)	1:28:A:LEU:HD22	1:29:A:VAL:HG13	13	1.36
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG11	13	1.36
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG12	13	1.36
(2,1877)	1:28:A:LEU:HD23	1:29:A:VAL:HG13	13	1.36
(2,1622)	1:29:A:VAL:HG21	1:87:A:PRO:HA	16	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1622)	1:29:A:VAL:HG22	1:87:A:PRO:HA	16	1.36
(2,1622)	1:29:A:VAL:HG23	1:87:A:PRO:HA	16	1.36
(2,1558)	1:82:A:PHE:HA	1:85:A:PRO:HB2	7	1.36
(2,1478)	1:75:A:ASP:HB2	1:74:A:LEU:HB2	13	1.36
(2,1322)	1:68:A:LEU:HG	1:64:A:LEU:HG	15	1.36
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD11	4	1.36
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD12	4	1.36
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD13	4	1.36
(2,1260)	1:64:A:LEU:HD21	1:61:A:ALA:HA	9	1.36
(2,1260)	1:64:A:LEU:HD22	1:61:A:ALA:HA	9	1.36
(2,1260)	1:64:A:LEU:HD23	1:61:A:ALA:HA	9	1.36
(2,1260)	1:64:A:LEU:HD21	1:61:A:ALA:HA	16	1.36
(2,1260)	1:64:A:LEU:HD22	1:61:A:ALA:HA	16	1.36
(2,1260)	1:64:A:LEU:HD23	1:61:A:ALA:HA	16	1.36
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE1	8	1.36
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE2	8	1.36
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE1	8	1.36
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE2	8	1.36
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE1	8	1.36
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE2	8	1.36
(2,789)	1:29:A:VAL:HG21	1:33:A:THR:HG1	9	1.36
(2,789)	1:29:A:VAL:HG22	1:33:A:THR:HG1	9	1.36
(2,789)	1:29:A:VAL:HG23	1:33:A:THR:HG1	9	1.36
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD21	10	1.36
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD22	10	1.36
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD23	10	1.36
(2,109)	1:6:A:ALA:HB1	1:8:A:ASP:HB3	16	1.36
(2,109)	1:6:A:ALA:HB2	1:8:A:ASP:HB3	16	1.36
(2,109)	1:6:A:ALA:HB3	1:8:A:ASP:HB3	16	1.36
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD11	7	1.36
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD12	7	1.36
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD13	7	1.36
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD11	7	1.36
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD12	7	1.36
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD13	7	1.36
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD11	7	1.36
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD12	7	1.36
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD13	7	1.36
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD11	8	1.36
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD12	8	1.36
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD13	8	1.36
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD11	8	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD12	8	1.36
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD13	8	1.36
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD11	8	1.36
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD12	8	1.36
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD13	8	1.36
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD11	12	1.36
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD12	12	1.36
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD13	12	1.36
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD11	12	1.36
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD12	12	1.36
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD13	12	1.36
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD11	12	1.36
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD12	12	1.36
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD13	12	1.36
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD21	1	1.36
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD22	1	1.36
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD23	1	1.36
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD21	15	1.36
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD22	15	1.36
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD23	15	1.36
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD21	16	1.36
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD22	16	1.36
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD23	16	1.36
(1,146)	1:50:A:ALA:H	1:53:A:ASP:HB3	11	1.36
(2,1818)	1:5:A:ALA:HB1	1:4:A:SER:HB2	5	1.35
(2,1818)	1:5:A:ALA:HB2	1:4:A:SER:HB2	5	1.35
(2,1818)	1:5:A:ALA:HB3	1:4:A:SER:HB2	5	1.35
(2,1672)	1:51:A:PHE:HZ	1:90:A:LEU:HB2	3	1.35
(2,1672)	1:51:A:PHE:HZ	1:90:A:LEU:HB2	11	1.35
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB1	10	1.35
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB2	10	1.35
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB3	10	1.35
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB1	10	1.35
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB2	10	1.35
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB3	10	1.35
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB1	10	1.35
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB2	10	1.35
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB3	10	1.35
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB1	14	1.35
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB2	14	1.35
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB3	14	1.35
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB1	14	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB2	14	1.35
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB3	14	1.35
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB1	14	1.35
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB2	14	1.35
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB3	14	1.35
(2,1486)	1:78:A:PRO:HB2	1:79:A:THR:H	11	1.35
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD11	2	1.35
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD12	2	1.35
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD13	2	1.35
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD11	4	1.35
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD12	4	1.35
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD13	4	1.35
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD11	7	1.35
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD12	7	1.35
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD13	7	1.35
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD11	10	1.35
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD12	10	1.35
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD13	10	1.35
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD11	15	1.35
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD12	15	1.35
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD13	15	1.35
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG21	13	1.35
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG22	13	1.35
(2,1000)	1:49:A:THR:HG21	1:45:A:ILE:HG23	13	1.35
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG21	13	1.35
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG22	13	1.35
(2,1000)	1:49:A:THR:HG22	1:45:A:ILE:HG23	13	1.35
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG21	13	1.35
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG22	13	1.35
(2,1000)	1:49:A:THR:HG23	1:45:A:ILE:HG23	13	1.35
(2,105)	1:5:A:ALA:HB1	1:3:A:ALA:HA	4	1.35
(2,105)	1:5:A:ALA:HB2	1:3:A:ALA:HA	4	1.35
(2,105)	1:5:A:ALA:HB3	1:3:A:ALA:HA	4	1.35
(1,146)	1:50:A:ALA:H	1:53:A:ASP:HB3	3	1.35
(1,146)	1:50:A:ALA:H	1:53:A:ASP:HB3	15	1.35
(2,1818)	1:5:A:ALA:HB1	1:4:A:SER:HB2	10	1.34
(2,1818)	1:5:A:ALA:HB2	1:4:A:SER:HB2	10	1.34
(2,1818)	1:5:A:ALA:HB3	1:4:A:SER:HB2	10	1.34
(2,1672)	1:51:A:PHE:HZ	1:90:A:LEU:HB2	2	1.34
(2,1672)	1:51:A:PHE:HZ	1:90:A:LEU:HB2	14	1.34
(2,1672)	1:51:A:PHE:HZ	1:90:A:LEU:HB2	15	1.34
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB1	9	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB2	9	1.34
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB3	9	1.34
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB1	9	1.34
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB2	9	1.34
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB3	9	1.34
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB1	9	1.34
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB2	9	1.34
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB3	9	1.34
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB1	15	1.34
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB2	15	1.34
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB3	15	1.34
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB1	15	1.34
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB2	15	1.34
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB3	15	1.34
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB1	15	1.34
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB2	15	1.34
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB3	15	1.34
(2,1478)	1:75:A:ASP:HB2	1:74:A:LEU:HB2	10	1.34
(2,1269)	1:65:A:ARG:HA	1:64:A:LEU:HG	2	1.34
(2,1269)	1:65:A:ARG:HA	1:64:A:LEU:HG	6	1.34
(2,1260)	1:64:A:LEU:HD21	1:61:A:ALA:HA	15	1.34
(2,1260)	1:64:A:LEU:HD22	1:61:A:ALA:HA	15	1.34
(2,1260)	1:64:A:LEU:HD23	1:61:A:ALA:HA	15	1.34
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD11	11	1.34
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD12	11	1.34
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD13	11	1.34
(2,1133)	1:58:A:SER:HB3	1:59:A:LEU:HG	16	1.34
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE1	1	1.34
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE2	1	1.34
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE1	1	1.34
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE2	1	1.34
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE1	1	1.34
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE2	1	1.34
(2,789)	1:29:A:VAL:HG21	1:33:A:THR:HG1	5	1.34
(2,789)	1:29:A:VAL:HG22	1:33:A:THR:HG1	5	1.34
(2,789)	1:29:A:VAL:HG23	1:33:A:THR:HG1	5	1.34
(2,789)	1:29:A:VAL:HG21	1:33:A:THR:HG1	8	1.34
(2,789)	1:29:A:VAL:HG22	1:33:A:THR:HG1	8	1.34
(2,789)	1:29:A:VAL:HG23	1:33:A:THR:HG1	8	1.34
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD21	8	1.34
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD22	8	1.34
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD23	8	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD11	6	1.34
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD12	6	1.34
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD13	6	1.34
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD11	6	1.34
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD12	6	1.34
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD13	6	1.34
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD11	6	1.34
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD12	6	1.34
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD13	6	1.34
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD11	11	1.34
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD12	11	1.34
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD13	11	1.34
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD11	11	1.34
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD12	11	1.34
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD13	11	1.34
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD11	11	1.34
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD12	11	1.34
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD13	11	1.34
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD21	9	1.34
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD22	9	1.34
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD23	9	1.34
(2,1818)	1:5:A:ALA:HB1	1:4:A:SER:HB2	6	1.33
(2,1818)	1:5:A:ALA:HB2	1:4:A:SER:HB2	6	1.33
(2,1818)	1:5:A:ALA:HB3	1:4:A:SER:HB2	6	1.33
(2,1785)	1:98:A:LEU:HD11	1:95:A:HIS:HB2	12	1.33
(2,1785)	1:98:A:LEU:HD12	1:95:A:HIS:HB2	12	1.33
(2,1785)	1:98:A:LEU:HD13	1:95:A:HIS:HB2	12	1.33
(2,1785)	1:98:A:LEU:HD11	1:95:A:HIS:HB2	14	1.33
(2,1785)	1:98:A:LEU:HD12	1:95:A:HIS:HB2	14	1.33
(2,1785)	1:98:A:LEU:HD13	1:95:A:HIS:HB2	14	1.33
(2,1672)	1:51:A:PHE:HZ	1:90:A:LEU:HB2	6	1.33
(2,1622)	1:29:A:VAL:HG21	1:87:A:PRO:HA	5	1.33
(2,1622)	1:29:A:VAL:HG22	1:87:A:PRO:HA	5	1.33
(2,1622)	1:29:A:VAL:HG23	1:87:A:PRO:HA	5	1.33
(2,1622)	1:29:A:VAL:HG21	1:87:A:PRO:HA	10	1.33
(2,1622)	1:29:A:VAL:HG22	1:87:A:PRO:HA	10	1.33
(2,1622)	1:29:A:VAL:HG23	1:87:A:PRO:HA	10	1.33
(2,1558)	1:82:A:PHE:HA	1:85:A:PRO:HB2	6	1.33
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB1	13	1.33
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB2	13	1.33
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB3	13	1.33
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB1	13	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB2	13	1.33
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB3	13	1.33
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB1	13	1.33
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB2	13	1.33
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB3	13	1.33
(2,1322)	1:68:A:LEU:HG	1:64:A:LEU:HG	5	1.33
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD11	5	1.33
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD12	5	1.33
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD13	5	1.33
(2,1269)	1:65:A:ARG:HA	1:64:A:LEU:HG	14	1.33
(2,1260)	1:64:A:LEU:HD21	1:61:A:ALA:HA	2	1.33
(2,1260)	1:64:A:LEU:HD22	1:61:A:ALA:HA	2	1.33
(2,1260)	1:64:A:LEU:HD23	1:61:A:ALA:HA	2	1.33
(2,1260)	1:64:A:LEU:HD21	1:61:A:ALA:HA	7	1.33
(2,1260)	1:64:A:LEU:HD22	1:61:A:ALA:HA	7	1.33
(2,1260)	1:64:A:LEU:HD23	1:61:A:ALA:HA	7	1.33
(2,893)	1:41:A:THR:HB	1:42:A:PRO:HG3	5	1.33
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE1	6	1.33
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE2	6	1.33
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE1	6	1.33
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE2	6	1.33
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE1	6	1.33
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE2	6	1.33
(2,493)	1:22:A:GLN:HG3	1:23:A:GLN:H	9	1.33
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD11	2	1.33
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD12	2	1.33
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD13	2	1.33
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD11	2	1.33
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD12	2	1.33
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD13	2	1.33
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD11	2	1.33
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD12	2	1.33
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD13	2	1.33
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD21	5	1.33
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD22	5	1.33
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD23	5	1.33
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD21	11	1.33
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD22	11	1.33
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD23	11	1.33
(1,146)	1:50:A:ALA:H	1:53:A:ASP:HB3	4	1.33
(2,1818)	1:5:A:ALA:HB1	1:4:A:SER:HB2	9	1.32
(2,1818)	1:5:A:ALA:HB2	1:4:A:SER:HB2	9	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1818)	1:5:A:ALA:HB3	1:4:A:SER:HB2	9	1.32
(2,1672)	1:51:A:PHE:HZ	1:90:A:LEU:HB2	5	1.32
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB1	1	1.32
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB2	1	1.32
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB3	1	1.32
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB1	1	1.32
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB2	1	1.32
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB3	1	1.32
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB1	1	1.32
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB2	1	1.32
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB3	1	1.32
(2,1486)	1:78:A:PRO:HB2	1:79:A:THR:H	8	1.32
(2,1478)	1:75:A:ASP:HB2	1:74:A:LEU:HB2	16	1.32
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD11	13	1.32
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD12	13	1.32
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD13	13	1.32
(2,1269)	1:65:A:ARG:HA	1:64:A:LEU:HG	9	1.32
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD11	16	1.32
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD12	16	1.32
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD13	16	1.32
(2,900)	1:41:A:THR:HG21	1:43:A:GLU:HB3	3	1.32
(2,900)	1:41:A:THR:HG22	1:43:A:GLU:HB3	3	1.32
(2,900)	1:41:A:THR:HG23	1:43:A:GLU:HB3	3	1.32
(2,789)	1:29:A:VAL:HG21	1:33:A:THR:HG1	11	1.32
(2,789)	1:29:A:VAL:HG22	1:33:A:THR:HG1	11	1.32
(2,789)	1:29:A:VAL:HG23	1:33:A:THR:HG1	11	1.32
(2,493)	1:22:A:GLN:HG3	1:23:A:GLN:H	6	1.32
(2,493)	1:22:A:GLN:HG3	1:23:A:GLN:H	13	1.32
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD21	15	1.32
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD22	15	1.32
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD23	15	1.32
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD21	16	1.32
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD22	16	1.32
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD23	16	1.32
(2,155)	1:71:A:ASN:HA	1:71:A:ASN:HD21	12	1.32
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD11	14	1.32
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD12	14	1.32
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD13	14	1.32
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD11	14	1.32
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD12	14	1.32
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD13	14	1.32
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD11	14	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD12	14	1.32
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD13	14	1.32
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD21	4	1.32
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD22	4	1.32
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD23	4	1.32
(1,384)	1:71:A:ASN:HD21	1:71:A:ASN:H	8	1.32
(1,146)	1:50:A:ALA:H	1:53:A:ASP:HB3	6	1.32
(2,1672)	1:51:A:PHE:HZ	1:90:A:LEU:HB2	13	1.31
(2,1322)	1:68:A:LEU:HG	1:64:A:LEU:HG	1	1.31
(2,1322)	1:68:A:LEU:HG	1:64:A:LEU:HG	14	1.31
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD11	9	1.31
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD12	9	1.31
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD13	9	1.31
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD11	11	1.31
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD12	11	1.31
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD13	11	1.31
(2,1269)	1:65:A:ARG:HA	1:64:A:LEU:HG	1	1.31
(2,1269)	1:65:A:ARG:HA	1:64:A:LEU:HG	4	1.31
(2,1269)	1:65:A:ARG:HA	1:64:A:LEU:HG	10	1.31
(2,1269)	1:65:A:ARG:HA	1:64:A:LEU:HG	13	1.31
(2,1260)	1:64:A:LEU:HD21	1:61:A:ALA:HA	1	1.31
(2,1260)	1:64:A:LEU:HD22	1:61:A:ALA:HA	1	1.31
(2,1260)	1:64:A:LEU:HD23	1:61:A:ALA:HA	1	1.31
(2,1260)	1:64:A:LEU:HD21	1:61:A:ALA:HA	3	1.31
(2,1260)	1:64:A:LEU:HD22	1:61:A:ALA:HA	3	1.31
(2,1260)	1:64:A:LEU:HD23	1:61:A:ALA:HA	3	1.31
(2,1260)	1:64:A:LEU:HD21	1:61:A:ALA:HA	11	1.31
(2,1260)	1:64:A:LEU:HD22	1:61:A:ALA:HA	11	1.31
(2,1260)	1:64:A:LEU:HD23	1:61:A:ALA:HA	11	1.31
(2,1133)	1:58:A:SER:HB3	1:59:A:LEU:HG	6	1.31
(2,893)	1:41:A:THR:HB	1:42:A:PRO:HG3	6	1.31
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE1	5	1.31
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE2	5	1.31
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE1	5	1.31
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE2	5	1.31
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE1	5	1.31
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE2	5	1.31
(2,789)	1:29:A:VAL:HG21	1:33:A:THR:HG1	4	1.31
(2,789)	1:29:A:VAL:HG22	1:33:A:THR:HG1	4	1.31
(2,789)	1:29:A:VAL:HG23	1:33:A:THR:HG1	4	1.31
(2,789)	1:29:A:VAL:HG21	1:33:A:THR:HG1	7	1.31
(2,789)	1:29:A:VAL:HG22	1:33:A:THR:HG1	7	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,789)	1:29:A:VAL:HG23	1:33:A:THR:HG1	7	1.31
(2,493)	1:22:A:GLN:HG3	1:23:A:GLN:H	11	1.31
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD11	1	1.31
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD12	1	1.31
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD13	1	1.31
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD11	1	1.31
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD12	1	1.31
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD13	1	1.31
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD11	1	1.31
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD12	1	1.31
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD13	1	1.31
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD11	3	1.31
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD12	3	1.31
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD13	3	1.31
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD11	3	1.31
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD12	3	1.31
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD13	3	1.31
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD11	3	1.31
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD12	3	1.31
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD13	3	1.31
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD21	3	1.31
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD22	3	1.31
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD23	3	1.31
(1,384)	1:71:A:ASN:HD21	1:71:A:ASN:H	16	1.31
(2,1672)	1:51:A:PHE:HZ	1:90:A:LEU:HB2	12	1.3
(2,1321)	1:68:A:LEU:HG	1:64:A:LEU:HB2	10	1.3
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD11	10	1.3
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD12	10	1.3
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD13	10	1.3
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD11	12	1.3
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD12	12	1.3
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD13	12	1.3
(2,1269)	1:65:A:ARG:HA	1:64:A:LEU:HG	5	1.3
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD11	3	1.3
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD12	3	1.3
(2,1243)	1:64:A:LEU:HG	1:90:A:LEU:HD13	3	1.3
(2,1163)	1:60:A:THR:HA	1:64:A:LEU:HB3	6	1.3
(2,1163)	1:60:A:THR:HA	1:64:A:LEU:HB3	10	1.3
(2,789)	1:29:A:VAL:HG21	1:33:A:THR:HG1	15	1.3
(2,789)	1:29:A:VAL:HG22	1:33:A:THR:HG1	15	1.3
(2,789)	1:29:A:VAL:HG23	1:33:A:THR:HG1	15	1.3
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD11	9	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD12	9	1.3
(2,108)	1:6:A:ALA:HB1	1:9:A:LEU:HD13	9	1.3
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD11	9	1.3
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD12	9	1.3
(2,108)	1:6:A:ALA:HB2	1:9:A:LEU:HD13	9	1.3
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD11	9	1.3
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD12	9	1.3
(2,108)	1:6:A:ALA:HB3	1:9:A:LEU:HD13	9	1.3
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD21	6	1.3
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD22	6	1.3
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD23	6	1.3
(1,384)	1:71:A:ASN:HD21	1:71:A:ASN:H	9	1.3
(1,146)	1:50:A:ALA:H	1:53:A:ASP:HB3	16	1.3
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD21	8	1.3
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD22	8	1.3
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD23	8	1.3
(2,1818)	1:5:A:ALA:HB1	1:4:A:SER:HB2	14	1.29
(2,1818)	1:5:A:ALA:HB2	1:4:A:SER:HB2	14	1.29
(2,1818)	1:5:A:ALA:HB3	1:4:A:SER:HB2	14	1.29
(2,1785)	1:98:A:LEU:HD11	1:95:A:HIS:HB2	9	1.29
(2,1785)	1:98:A:LEU:HD12	1:95:A:HIS:HB2	9	1.29
(2,1785)	1:98:A:LEU:HD13	1:95:A:HIS:HB2	9	1.29
(2,1784)	1:98:A:LEU:HD11	1:94:A:LEU:HA	5	1.29
(2,1784)	1:98:A:LEU:HD12	1:94:A:LEU:HA	5	1.29
(2,1784)	1:98:A:LEU:HD13	1:94:A:LEU:HA	5	1.29
(2,1622)	1:29:A:VAL:HG21	1:87:A:PRO:HA	3	1.29
(2,1622)	1:29:A:VAL:HG22	1:87:A:PRO:HA	3	1.29
(2,1622)	1:29:A:VAL:HG23	1:87:A:PRO:HA	3	1.29
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB1	3	1.29
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB2	3	1.29
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB3	3	1.29
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB1	3	1.29
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB2	3	1.29
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB3	3	1.29
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB1	3	1.29
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB2	3	1.29
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB3	3	1.29
(2,1478)	1:75:A:ASP:HB2	1:74:A:LEU:HB2	3	1.29
(2,1269)	1:65:A:ARG:HA	1:64:A:LEU:HG	7	1.29
(2,1269)	1:65:A:ARG:HA	1:64:A:LEU:HG	12	1.29
(2,1163)	1:60:A:THR:HA	1:64:A:LEU:HB3	8	1.29
(2,1133)	1:58:A:SER:HB3	1:59:A:LEU:HG	3	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1133)	1:58:A:SER:HB3	1:59:A:LEU:HG	10	1.29
(2,893)	1:41:A:THR:HB	1:42:A:PRO:HG3	1	1.29
(2,893)	1:41:A:THR:HB	1:42:A:PRO:HG3	4	1.29
(2,893)	1:41:A:THR:HB	1:42:A:PRO:HG3	16	1.29
(2,789)	1:29:A:VAL:HG21	1:33:A:THR:HG1	2	1.29
(2,789)	1:29:A:VAL:HG22	1:33:A:THR:HG1	2	1.29
(2,789)	1:29:A:VAL:HG23	1:33:A:THR:HG1	2	1.29
(2,789)	1:29:A:VAL:HG21	1:33:A:THR:HG1	6	1.29
(2,789)	1:29:A:VAL:HG22	1:33:A:THR:HG1	6	1.29
(2,789)	1:29:A:VAL:HG23	1:33:A:THR:HG1	6	1.29
(2,493)	1:22:A:GLN:HG3	1:23:A:GLN:H	16	1.29
(2,360)	1:16:A:LEU:HD21	1:20:A:GLN:H	1	1.29
(2,360)	1:16:A:LEU:HD22	1:20:A:GLN:H	1	1.29
(2,360)	1:16:A:LEU:HD23	1:20:A:GLN:H	1	1.29
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG21	5	1.29
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG22	5	1.29
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG23	5	1.29
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD21	2	1.29
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD22	2	1.29
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD23	2	1.29
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD21	12	1.29
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD22	12	1.29
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD23	12	1.29
(2,1672)	1:51:A:PHE:HZ	1:90:A:LEU:HB2	4	1.28
(2,1322)	1:68:A:LEU:HG	1:64:A:LEU:HG	2	1.28
(2,1322)	1:68:A:LEU:HG	1:64:A:LEU:HG	10	1.28
(2,1163)	1:60:A:THR:HA	1:64:A:LEU:HB3	1	1.28
(2,893)	1:41:A:THR:HB	1:42:A:PRO:HG3	12	1.28
(2,789)	1:29:A:VAL:HG21	1:33:A:THR:HG1	3	1.28
(2,789)	1:29:A:VAL:HG22	1:33:A:THR:HG1	3	1.28
(2,789)	1:29:A:VAL:HG23	1:33:A:THR:HG1	3	1.28
(2,789)	1:29:A:VAL:HG21	1:33:A:THR:HG1	16	1.28
(2,789)	1:29:A:VAL:HG22	1:33:A:THR:HG1	16	1.28
(2,789)	1:29:A:VAL:HG23	1:33:A:THR:HG1	16	1.28
(2,285)	1:13:A:LEU:HA	1:21:A:GLN:HG2	1	1.28
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD21	9	1.28
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD22	9	1.28
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD23	9	1.28
(1,605)	1:43:A:GLU:H	1:42:A:PRO:HD2	8	1.28
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD21	10	1.28
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD22	10	1.28
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD23	10	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD21	13	1.28
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD22	13	1.28
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD23	13	1.28
(2,1622)	1:29:A:VAL:HG21	1:87:A:PRO:HA	1	1.27
(2,1622)	1:29:A:VAL:HG22	1:87:A:PRO:HA	1	1.27
(2,1622)	1:29:A:VAL:HG23	1:87:A:PRO:HA	1	1.27
(2,1622)	1:29:A:VAL:HG21	1:87:A:PRO:HA	11	1.27
(2,1622)	1:29:A:VAL:HG22	1:87:A:PRO:HA	11	1.27
(2,1622)	1:29:A:VAL:HG23	1:87:A:PRO:HA	11	1.27
(2,1486)	1:78:A:PRO:HB2	1:79:A:THR:H	4	1.27
(2,1163)	1:60:A:THR:HA	1:64:A:LEU:HB3	12	1.27
(2,893)	1:41:A:THR:HB	1:42:A:PRO:HG3	13	1.27
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE1	10	1.27
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE2	10	1.27
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE1	10	1.27
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE2	10	1.27
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE1	10	1.27
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE2	10	1.27
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE1	15	1.27
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE2	15	1.27
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE1	15	1.27
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE2	15	1.27
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE1	15	1.27
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE2	15	1.27
(2,493)	1:22:A:GLN:HG3	1:23:A:GLN:H	2	1.27
(2,360)	1:16:A:LEU:HD21	1:20:A:GLN:H	8	1.27
(2,360)	1:16:A:LEU:HD22	1:20:A:GLN:H	8	1.27
(2,360)	1:16:A:LEU:HD23	1:20:A:GLN:H	8	1.27
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD21	4	1.27
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD22	4	1.27
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD23	4	1.27
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD21	7	1.27
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD22	7	1.27
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD23	7	1.27
(2,155)	1:71:A:ASN:HA	1:71:A:ASN:HD21	11	1.27
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD21	14	1.27
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD22	14	1.27
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD23	14	1.27
(1,146)	1:50:A:ALA:H	1:53:A:ASP:HB3	8	1.27
(1,146)	1:50:A:ALA:H	1:53:A:ASP:HB3	9	1.27
(2,1785)	1:98:A:LEU:HD11	1:95:A:HIS:HB2	13	1.26
(2,1785)	1:98:A:LEU:HD12	1:95:A:HIS:HB2	13	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1785)	1:98:A:LEU:HD13	1:95:A:HIS:HB2	13	1.26
(2,1784)	1:98:A:LEU:HD11	1:94:A:LEU:HA	9	1.26
(2,1784)	1:98:A:LEU:HD12	1:94:A:LEU:HA	9	1.26
(2,1784)	1:98:A:LEU:HD13	1:94:A:LEU:HA	9	1.26
(2,1322)	1:68:A:LEU:HG	1:64:A:LEU:HG	9	1.26
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD11	15	1.26
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD12	15	1.26
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD13	15	1.26
(2,1269)	1:65:A:ARG:HA	1:64:A:LEU:HG	8	1.26
(2,1163)	1:60:A:THR:HA	1:64:A:LEU:HB3	2	1.26
(2,1163)	1:60:A:THR:HA	1:64:A:LEU:HB3	5	1.26
(2,1163)	1:60:A:THR:HA	1:64:A:LEU:HB3	13	1.26
(2,1163)	1:60:A:THR:HA	1:64:A:LEU:HB3	14	1.26
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE1	4	1.26
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE2	4	1.26
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE1	4	1.26
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE2	4	1.26
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE1	4	1.26
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE2	4	1.26
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD11	15	1.26
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD12	15	1.26
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD13	15	1.26
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD21	7	1.26
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD22	7	1.26
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD23	7	1.26
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD21	8	1.26
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD22	8	1.26
(1,418)	1:52:A:LYS:H	1:54:A:LEU:HD23	8	1.26
(1,384)	1:71:A:ASN:HD21	1:71:A:ASN:H	15	1.26
(1,146)	1:50:A:ALA:H	1:53:A:ASP:HB3	10	1.26
(2,1486)	1:78:A:PRO:HB2	1:79:A:THR:H	6	1.25
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD11	11	1.25
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD12	11	1.25
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD13	11	1.25
(2,1321)	1:68:A:LEU:HG	1:64:A:LEU:HB2	7	1.25
(2,1321)	1:68:A:LEU:HG	1:64:A:LEU:HB2	12	1.25
(2,1269)	1:65:A:ARG:HA	1:64:A:LEU:HG	16	1.25
(2,1163)	1:60:A:THR:HA	1:64:A:LEU:HB3	4	1.25
(2,1163)	1:60:A:THR:HA	1:64:A:LEU:HB3	7	1.25
(2,1163)	1:60:A:THR:HA	1:64:A:LEU:HB3	16	1.25
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE1	11	1.25
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE2	11	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE1	11	1.25
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE2	11	1.25
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE1	11	1.25
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE2	11	1.25
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE1	16	1.25
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE2	16	1.25
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE1	16	1.25
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE2	16	1.25
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE1	16	1.25
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE2	16	1.25
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD11	8	1.25
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD12	8	1.25
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD13	8	1.25
(2,285)	1:13:A:LEU:HA	1:21:A:GLN:HG2	8	1.25
(1,384)	1:71:A:ASN:HD21	1:71:A:ASN:H	2	1.25
(1,384)	1:71:A:ASN:HD21	1:71:A:ASN:H	14	1.25
(1,234)	1:102:A:HIS:H	1:101:A:SER:HB2	8	1.25
(2,1321)	1:68:A:LEU:HG	1:64:A:LEU:HB2	8	1.24
(2,1163)	1:60:A:THR:HA	1:64:A:LEU:HB3	9	1.24
(2,900)	1:41:A:THR:HG21	1:43:A:GLU:HB3	9	1.24
(2,900)	1:41:A:THR:HG22	1:43:A:GLU:HB3	9	1.24
(2,900)	1:41:A:THR:HG23	1:43:A:GLU:HB3	9	1.24
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD11	7	1.24
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD12	7	1.24
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD13	7	1.24
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD11	12	1.24
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD12	12	1.24
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD13	12	1.24
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD21	13	1.24
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD22	13	1.24
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD23	13	1.24
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG21	14	1.24
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG22	14	1.24
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG23	14	1.24
(2,171)	1:53:A:ASP:HB2	1:51:A:PHE:HA	11	1.24
(2,155)	1:71:A:ASN:HA	1:71:A:ASN:HD21	13	1.24
(2,1809)	1:101:A:SER:HB2	1:100:A:GLN:H	6	1.23
(2,1672)	1:51:A:PHE:HZ	1:90:A:LEU:HB2	1	1.23
(2,1558)	1:82:A:PHE:HA	1:85:A:PRO:HB2	5	1.23
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD11	1	1.23
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD12	1	1.23
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD13	1	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD11	14	1.23
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD12	14	1.23
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD13	14	1.23
(2,1269)	1:65:A:ARG:HA	1:64:A:LEU:HG	15	1.23
(2,789)	1:29:A:VAL:HG21	1:33:A:THR:HG1	12	1.23
(2,789)	1:29:A:VAL:HG22	1:33:A:THR:HG1	12	1.23
(2,789)	1:29:A:VAL:HG23	1:33:A:THR:HG1	12	1.23
(2,789)	1:29:A:VAL:HG21	1:33:A:THR:HG1	13	1.23
(2,789)	1:29:A:VAL:HG22	1:33:A:THR:HG1	13	1.23
(2,789)	1:29:A:VAL:HG23	1:33:A:THR:HG1	13	1.23
(2,789)	1:29:A:VAL:HG21	1:33:A:THR:HG1	14	1.23
(2,789)	1:29:A:VAL:HG22	1:33:A:THR:HG1	14	1.23
(2,789)	1:29:A:VAL:HG23	1:33:A:THR:HG1	14	1.23
(2,493)	1:22:A:GLN:HG3	1:23:A:GLN:H	12	1.23
(2,360)	1:16:A:LEU:HD21	1:20:A:GLN:H	2	1.23
(2,360)	1:16:A:LEU:HD22	1:20:A:GLN:H	2	1.23
(2,360)	1:16:A:LEU:HD23	1:20:A:GLN:H	2	1.23
(2,360)	1:16:A:LEU:HD21	1:20:A:GLN:H	7	1.23
(2,360)	1:16:A:LEU:HD22	1:20:A:GLN:H	7	1.23
(2,360)	1:16:A:LEU:HD23	1:20:A:GLN:H	7	1.23
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD21	1	1.23
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD22	1	1.23
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD23	1	1.23
(1,191)	1:62:A:LEU:H	1:65:A:ARG:HB2	11	1.23
(2,1718)	1:100:A:GLN:HG2	1:99:A:THR:HB	2	1.22
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD11	9	1.22
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD12	9	1.22
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD13	9	1.22
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD11	9	1.22
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD12	9	1.22
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD13	9	1.22
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD11	9	1.22
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD12	9	1.22
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD13	9	1.22
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB1	11	1.22
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB2	11	1.22
(2,1509)	1:72:A:THR:HG21	1:32:A:ALA:HB3	11	1.22
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB1	11	1.22
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB2	11	1.22
(2,1509)	1:72:A:THR:HG22	1:32:A:ALA:HB3	11	1.22
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB1	11	1.22
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB2	11	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1509)	1:72:A:THR:HG23	1:32:A:ALA:HB3	11	1.22
(2,1322)	1:68:A:LEU:HG	1:64:A:LEU:HG	7	1.22
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD11	3	1.22
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD12	3	1.22
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD13	3	1.22
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG21	7	1.22
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG22	7	1.22
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG23	7	1.22
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE1	2	1.22
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE2	2	1.22
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE1	2	1.22
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE2	2	1.22
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE1	2	1.22
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE2	2	1.22
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE1	13	1.22
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE2	13	1.22
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE1	13	1.22
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE2	13	1.22
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE1	13	1.22
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE2	13	1.22
(2,789)	1:29:A:VAL:HG21	1:33:A:THR:HG1	10	1.22
(2,789)	1:29:A:VAL:HG22	1:33:A:THR:HG1	10	1.22
(2,789)	1:29:A:VAL:HG23	1:33:A:THR:HG1	10	1.22
(2,360)	1:16:A:LEU:HD21	1:20:A:GLN:H	9	1.22
(2,360)	1:16:A:LEU:HD22	1:20:A:GLN:H	9	1.22
(2,360)	1:16:A:LEU:HD23	1:20:A:GLN:H	9	1.22
(2,360)	1:16:A:LEU:HD21	1:20:A:GLN:H	10	1.22
(2,360)	1:16:A:LEU:HD22	1:20:A:GLN:H	10	1.22
(2,360)	1:16:A:LEU:HD23	1:20:A:GLN:H	10	1.22
(2,285)	1:13:A:LEU:HA	1:21:A:GLN:HG2	14	1.22
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG21	9	1.22
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG22	9	1.22
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG23	9	1.22
(2,105)	1:5:A:ALA:HB1	1:3:A:ALA:HA	9	1.22
(2,105)	1:5:A:ALA:HB2	1:3:A:ALA:HA	9	1.22
(2,105)	1:5:A:ALA:HB3	1:3:A:ALA:HA	9	1.22
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG21	14	1.22
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG22	14	1.22
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG23	14	1.22
(1,605)	1:43:A:GLU:H	1:42:A:PRO:HD2	14	1.22
(1,259)	1:55:A:GLY:H	1:56:A:ILE:HG13	4	1.22
(1,259)	1:55:A:GLY:H	1:56:A:ILE:HG13	9	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1622)	1:29:A:VAL:HG21	1:87:A:PRO:HA	4	1.21
(2,1622)	1:29:A:VAL:HG22	1:87:A:PRO:HA	4	1.21
(2,1622)	1:29:A:VAL:HG23	1:87:A:PRO:HA	4	1.21
(2,1622)	1:29:A:VAL:HG21	1:87:A:PRO:HA	13	1.21
(2,1622)	1:29:A:VAL:HG22	1:87:A:PRO:HA	13	1.21
(2,1622)	1:29:A:VAL:HG23	1:87:A:PRO:HA	13	1.21
(2,1622)	1:29:A:VAL:HG21	1:87:A:PRO:HA	14	1.21
(2,1622)	1:29:A:VAL:HG22	1:87:A:PRO:HA	14	1.21
(2,1622)	1:29:A:VAL:HG23	1:87:A:PRO:HA	14	1.21
(2,1558)	1:82:A:PHE:HA	1:85:A:PRO:HB2	4	1.21
(2,1321)	1:68:A:LEU:HG	1:64:A:LEU:HB2	16	1.21
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD11	2	1.21
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD12	2	1.21
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD13	2	1.21
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD11	6	1.21
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD12	6	1.21
(2,1285)	1:65:A:ARG:HB3	1:62:A:LEU:HD13	6	1.21
(2,1269)	1:65:A:ARG:HA	1:64:A:LEU:HG	3	1.21
(2,1229)	1:63:A:GLU:HG3	1:65:A:ARG:H	8	1.21
(2,1163)	1:60:A:THR:HA	1:64:A:LEU:HB3	15	1.21
(2,944)	1:46:A:SER:HA	1:47:A:PRO:HB2	4	1.21
(2,944)	1:46:A:SER:HA	1:47:A:PRO:HB2	13	1.21
(2,360)	1:16:A:LEU:HD21	1:20:A:GLN:H	5	1.21
(2,360)	1:16:A:LEU:HD22	1:20:A:GLN:H	5	1.21
(2,360)	1:16:A:LEU:HD23	1:20:A:GLN:H	5	1.21
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG21	1	1.21
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG22	1	1.21
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG23	1	1.21
(2,216)	1:10:A:ALA:HA	1:12:A:ARG:HB2	5	1.21
(2,105)	1:5:A:ALA:HB1	1:3:A:ALA:HA	12	1.21
(2,105)	1:5:A:ALA:HB2	1:3:A:ALA:HA	12	1.21
(2,105)	1:5:A:ALA:HB3	1:3:A:ALA:HA	12	1.21
(1,605)	1:43:A:GLU:H	1:42:A:PRO:HD2	11	1.21
(1,384)	1:71:A:ASN:HD21	1:71:A:ASN:H	6	1.21
(1,259)	1:55:A:GLY:H	1:56:A:ILE:HG13	1	1.21
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD21	1	1.21
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD22	1	1.21
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD23	1	1.21
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD21	2	1.21
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD22	2	1.21
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD23	2	1.21
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD21	5	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD22	5	1.21
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD23	5	1.21
(2,1672)	1:51:A:PHE:HZ	1:90:A:LEU:HB2	9	1.2
(2,1622)	1:29:A:VAL:HG21	1:87:A:PRO:HA	15	1.2
(2,1622)	1:29:A:VAL:HG22	1:87:A:PRO:HA	15	1.2
(2,1622)	1:29:A:VAL:HG23	1:87:A:PRO:HA	15	1.2
(2,1558)	1:82:A:PHE:HA	1:85:A:PRO:HB2	12	1.2
(2,1498)	1:79:A:THR:HA	1:82:A:PHE:HB2	5	1.2
(2,1321)	1:68:A:LEU:HG	1:64:A:LEU:HB2	13	1.2
(2,1163)	1:60:A:THR:HA	1:64:A:LEU:HB3	3	1.2
(2,1156)	1:60:A:THR:HB	1:59:A:LEU:HB3	1	1.2
(2,944)	1:46:A:SER:HA	1:47:A:PRO:HB2	5	1.2
(2,944)	1:46:A:SER:HA	1:47:A:PRO:HB2	12	1.2
(2,944)	1:46:A:SER:HA	1:47:A:PRO:HB2	15	1.2
(2,900)	1:41:A:THR:HG21	1:43:A:GLU:HB3	11	1.2
(2,900)	1:41:A:THR:HG22	1:43:A:GLU:HB3	11	1.2
(2,900)	1:41:A:THR:HG23	1:43:A:GLU:HB3	11	1.2
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG21	8	1.2
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG22	8	1.2
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG23	8	1.2
(2,493)	1:22:A:GLN:HG3	1:23:A:GLN:H	14	1.2
(2,360)	1:16:A:LEU:HD21	1:20:A:GLN:H	4	1.2
(2,360)	1:16:A:LEU:HD22	1:20:A:GLN:H	4	1.2
(2,360)	1:16:A:LEU:HD23	1:20:A:GLN:H	4	1.2
(2,285)	1:13:A:LEU:HA	1:21:A:GLN:HG2	9	1.2
(2,216)	1:10:A:ALA:HA	1:12:A:ARG:HB2	9	1.2
(1,605)	1:43:A:GLU:H	1:42:A:PRO:HD2	10	1.2
(1,384)	1:71:A:ASN:HD21	1:71:A:ASN:H	1	1.2
(2,1841)	1:98:A:LEU:HD21	1:95:A:HIS:HD2	1	1.19
(2,1841)	1:98:A:LEU:HD22	1:95:A:HIS:HD2	1	1.19
(2,1841)	1:98:A:LEU:HD23	1:95:A:HIS:HD2	1	1.19
(2,1785)	1:98:A:LEU:HD11	1:95:A:HIS:HB2	3	1.19
(2,1785)	1:98:A:LEU:HD12	1:95:A:HIS:HB2	3	1.19
(2,1785)	1:98:A:LEU:HD13	1:95:A:HIS:HB2	3	1.19
(2,1558)	1:82:A:PHE:HA	1:85:A:PRO:HB2	16	1.19
(2,1486)	1:78:A:PRO:HB2	1:79:A:THR:H	12	1.19
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD21	9	1.19
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD22	9	1.19
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD23	9	1.19
(2,1322)	1:68:A:LEU:HG	1:64:A:LEU:HG	12	1.19
(2,944)	1:46:A:SER:HA	1:47:A:PRO:HB2	9	1.19
(2,360)	1:16:A:LEU:HD21	1:20:A:GLN:H	14	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,360)	1:16:A:LEU:HD22	1:20:A:GLN:H	14	1.19
(2,360)	1:16:A:LEU:HD23	1:20:A:GLN:H	14	1.19
(2,360)	1:16:A:LEU:HD21	1:20:A:GLN:H	16	1.19
(2,360)	1:16:A:LEU:HD22	1:20:A:GLN:H	16	1.19
(2,360)	1:16:A:LEU:HD23	1:20:A:GLN:H	16	1.19
(2,285)	1:13:A:LEU:HA	1:21:A:GLN:HG2	2	1.19
(2,171)	1:53:A:ASP:HB2	1:51:A:PHE:HA	3	1.19
(2,171)	1:53:A:ASP:HB2	1:51:A:PHE:HA	13	1.19
(2,82)	1:3:A:ALA:HA	1:4:A:SER:H	4	1.19
(2,15)	1:95:A:HIS:HD2	1:22:A:GLN:HA	7	1.19
(1,605)	1:43:A:GLU:H	1:42:A:PRO:HD2	9	1.19
(1,605)	1:43:A:GLU:H	1:42:A:PRO:HD2	15	1.19
(1,384)	1:71:A:ASN:HD21	1:71:A:ASN:H	10	1.19
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD21	4	1.19
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD22	4	1.19
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD23	4	1.19
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD21	9	1.19
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD22	9	1.19
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD23	9	1.19
(2,1784)	1:98:A:LEU:HD11	1:94:A:LEU:HA	7	1.18
(2,1784)	1:98:A:LEU:HD12	1:94:A:LEU:HA	7	1.18
(2,1784)	1:98:A:LEU:HD13	1:94:A:LEU:HA	7	1.18
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD11	5	1.18
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD12	5	1.18
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD13	5	1.18
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD11	5	1.18
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD12	5	1.18
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD13	5	1.18
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD11	5	1.18
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD12	5	1.18
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD13	5	1.18
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD11	15	1.18
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD12	15	1.18
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD13	15	1.18
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD11	15	1.18
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD12	15	1.18
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD13	15	1.18
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD11	15	1.18
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD12	15	1.18
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD13	15	1.18
(2,1498)	1:79:A:THR:HA	1:82:A:PHE:HB2	13	1.18
(2,1478)	1:75:A:ASP:HB2	1:74:A:LEU:HB2	11	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1321)	1:68:A:LEU:HG	1:64:A:LEU:HB2	15	1.18
(2,944)	1:46:A:SER:HA	1:47:A:PRO:HB2	8	1.18
(2,944)	1:46:A:SER:HA	1:47:A:PRO:HB2	16	1.18
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD11	4	1.18
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD12	4	1.18
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD13	4	1.18
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD11	16	1.18
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD12	16	1.18
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD13	16	1.18
(2,493)	1:22:A:GLN:HG3	1:23:A:GLN:H	3	1.18
(2,360)	1:16:A:LEU:HD21	1:20:A:GLN:H	15	1.18
(2,360)	1:16:A:LEU:HD22	1:20:A:GLN:H	15	1.18
(2,360)	1:16:A:LEU:HD23	1:20:A:GLN:H	15	1.18
(2,285)	1:13:A:LEU:HA	1:21:A:GLN:HG2	3	1.18
(2,285)	1:13:A:LEU:HA	1:21:A:GLN:HG2	11	1.18
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG21	15	1.18
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG22	15	1.18
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG23	15	1.18
(2,171)	1:53:A:ASP:HB2	1:51:A:PHE:HA	7	1.18
(2,15)	1:95:A:HIS:HD2	1:22:A:GLN:HA	13	1.18
(1,605)	1:43:A:GLU:H	1:42:A:PRO:HD2	3	1.18
(1,259)	1:55:A:GLY:H	1:56:A:ILE:HG13	8	1.18
(2,1768)	1:97:A:ARG:HG3	1:96:A:THR:HB	14	1.17
(2,1558)	1:82:A:PHE:HA	1:85:A:PRO:HB2	8	1.17
(2,1498)	1:79:A:THR:HA	1:82:A:PHE:HB2	10	1.17
(2,1327)	1:68:A:LEU:HG	1:68:A:LEU:H	13	1.17
(2,1321)	1:68:A:LEU:HG	1:64:A:LEU:HB2	4	1.17
(2,944)	1:46:A:SER:HA	1:47:A:PRO:HB2	1	1.17
(2,944)	1:46:A:SER:HA	1:47:A:PRO:HB2	14	1.17
(2,901)	1:41:A:THR:HG21	1:40:A:HIS:HD2	8	1.17
(2,901)	1:41:A:THR:HG22	1:40:A:HIS:HD2	8	1.17
(2,901)	1:41:A:THR:HG23	1:40:A:HIS:HD2	8	1.17
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG21	1	1.17
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG22	1	1.17
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG23	1	1.17
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG21	6	1.17
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG22	6	1.17
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG23	6	1.17
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE1	3	1.17
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE2	3	1.17
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE1	3	1.17
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE2	3	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE1	3	1.17
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE2	3	1.17
(2,493)	1:22:A:GLN:HG3	1:23:A:GLN:H	4	1.17
(2,360)	1:16:A:LEU:HD21	1:20:A:GLN:H	13	1.17
(2,360)	1:16:A:LEU:HD22	1:20:A:GLN:H	13	1.17
(2,360)	1:16:A:LEU:HD23	1:20:A:GLN:H	13	1.17
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD11	12	1.17
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD12	12	1.17
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD13	12	1.17
(2,247)	1:9:A:LEU:HD11	1:12:A:ARG:HB3	12	1.17
(2,247)	1:9:A:LEU:HD12	1:12:A:ARG:HB3	12	1.17
(2,247)	1:9:A:LEU:HD13	1:12:A:ARG:HB3	12	1.17
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG21	11	1.17
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG22	11	1.17
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG23	11	1.17
(2,171)	1:53:A:ASP:HB2	1:51:A:PHE:HA	9	1.17
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG21	10	1.17
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG22	10	1.17
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG23	10	1.17
(2,15)	1:95:A:HIS:HD2	1:22:A:GLN:HA	1	1.17
(2,15)	1:95:A:HIS:HD2	1:22:A:GLN:HA	2	1.17
(2,15)	1:95:A:HIS:HD2	1:22:A:GLN:HA	16	1.17
(1,384)	1:71:A:ASN:HD21	1:71:A:ASN:H	4	1.17
(1,259)	1:55:A:GLY:H	1:56:A:ILE:HG13	16	1.17
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD11	8	1.16
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD12	8	1.16
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD13	8	1.16
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD11	8	1.16
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD12	8	1.16
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD13	8	1.16
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD11	8	1.16
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD12	8	1.16
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD13	8	1.16
(2,1498)	1:79:A:THR:HA	1:82:A:PHE:HB2	16	1.16
(2,1478)	1:75:A:ASP:HB2	1:74:A:LEU:HB2	4	1.16
(2,944)	1:46:A:SER:HA	1:47:A:PRO:HB2	2	1.16
(2,944)	1:46:A:SER:HA	1:47:A:PRO:HB2	11	1.16
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE1	14	1.16
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE2	14	1.16
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE1	14	1.16
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE2	14	1.16
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE1	14	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE2	14	1.16
(2,285)	1:13:A:LEU:HA	1:21:A:GLN:HG2	7	1.16
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD11	10	1.16
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD12	10	1.16
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD13	10	1.16
(2,247)	1:9:A:LEU:HD11	1:12:A:ARG:HB3	8	1.16
(2,247)	1:9:A:LEU:HD12	1:12:A:ARG:HB3	8	1.16
(2,247)	1:9:A:LEU:HD13	1:12:A:ARG:HB3	8	1.16
(2,247)	1:9:A:LEU:HD11	1:12:A:ARG:HB3	10	1.16
(2,247)	1:9:A:LEU:HD12	1:12:A:ARG:HB3	10	1.16
(2,247)	1:9:A:LEU:HD13	1:12:A:ARG:HB3	10	1.16
(2,247)	1:9:A:LEU:HD11	1:12:A:ARG:HB3	13	1.16
(2,247)	1:9:A:LEU:HD12	1:12:A:ARG:HB3	13	1.16
(2,247)	1:9:A:LEU:HD13	1:12:A:ARG:HB3	13	1.16
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG21	3	1.16
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG22	3	1.16
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG23	3	1.16
(2,218)	1:10:A:ALA:HA	1:13:A:LEU:HB2	16	1.16
(2,15)	1:95:A:HIS:HD2	1:22:A:GLN:HA	10	1.16
(1,384)	1:71:A:ASN:HD21	1:71:A:ASN:H	3	1.16
(1,259)	1:55:A:GLY:H	1:56:A:ILE:HG13	5	1.16
(1,259)	1:55:A:GLY:H	1:56:A:ILE:HG13	7	1.16
(1,259)	1:55:A:GLY:H	1:56:A:ILE:HG13	14	1.16
(1,234)	1:102:A:HIS:H	1:101:A:SER:HB2	16	1.16
(1,146)	1:50:A:ALA:H	1:53:A:ASP:HB3	14	1.16
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD21	10	1.15
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD22	10	1.15
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD23	10	1.15
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD21	10	1.15
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD22	10	1.15
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD23	10	1.15
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD21	10	1.15
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD22	10	1.15
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD23	10	1.15
(2,1622)	1:29:A:VAL:HG21	1:87:A:PRO:HA	8	1.15
(2,1622)	1:29:A:VAL:HG22	1:87:A:PRO:HA	8	1.15
(2,1622)	1:29:A:VAL:HG23	1:87:A:PRO:HA	8	1.15
(2,1269)	1:65:A:ARG:HA	1:64:A:LEU:HG	11	1.15
(2,944)	1:46:A:SER:HA	1:47:A:PRO:HB2	3	1.15
(2,944)	1:46:A:SER:HA	1:47:A:PRO:HB2	7	1.15
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD11	3	1.15
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD12	3	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD13	3	1.15
(2,360)	1:16:A:LEU:HD21	1:20:A:GLN:H	12	1.15
(2,360)	1:16:A:LEU:HD22	1:20:A:GLN:H	12	1.15
(2,360)	1:16:A:LEU:HD23	1:20:A:GLN:H	12	1.15
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD21	12	1.15
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD22	12	1.15
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD23	12	1.15
(2,285)	1:13:A:LEU:HA	1:21:A:GLN:HG2	12	1.15
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG21	2	1.15
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG22	2	1.15
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG23	2	1.15
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG21	8	1.15
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG22	8	1.15
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG23	8	1.15
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG21	13	1.15
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG22	13	1.15
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG23	13	1.15
(2,171)	1:53:A:ASP:HB2	1:51:A:PHE:HA	6	1.15
(2,82)	1:3:A:ALA:HA	1:4:A:SER:H	10	1.15
(2,15)	1:95:A:HIS:HD2	1:22:A:GLN:HA	8	1.15
(1,234)	1:102:A:HIS:H	1:101:A:SER:HB2	11	1.15
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD21	7	1.15
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD22	7	1.15
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD23	7	1.15
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD21	16	1.15
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD22	16	1.15
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD23	16	1.15
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD11	10	1.14
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD12	10	1.14
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD13	10	1.14
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD11	10	1.14
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD12	10	1.14
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD13	10	1.14
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD11	10	1.14
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD12	10	1.14
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD13	10	1.14
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD11	14	1.14
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD12	14	1.14
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD13	14	1.14
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD11	14	1.14
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD12	14	1.14
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD13	14	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD11	14	1.14
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD12	14	1.14
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD13	14	1.14
(2,1622)	1:29:A:VAL:HG21	1:87:A:PRO:HA	12	1.14
(2,1622)	1:29:A:VAL:HG22	1:87:A:PRO:HA	12	1.14
(2,1622)	1:29:A:VAL:HG23	1:87:A:PRO:HA	12	1.14
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD21	14	1.14
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD22	14	1.14
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD23	14	1.14
(2,1327)	1:68:A:LEU:HG	1:68:A:LEU:H	15	1.14
(2,1321)	1:68:A:LEU:HG	1:64:A:LEU:HB2	5	1.14
(2,1321)	1:68:A:LEU:HG	1:64:A:LEU:HB2	6	1.14
(2,944)	1:46:A:SER:HA	1:47:A:PRO:HB2	6	1.14
(2,944)	1:46:A:SER:HA	1:47:A:PRO:HB2	10	1.14
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG21	5	1.14
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG22	5	1.14
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG23	5	1.14
(2,539)	1:24:A:THR:HG21	1:28:A:LEU:HG	2	1.14
(2,539)	1:24:A:THR:HG22	1:28:A:LEU:HG	2	1.14
(2,539)	1:24:A:THR:HG23	1:28:A:LEU:HG	2	1.14
(2,469)	1:22:A:GLN:HA	1:25:A:LEU:HA	1	1.14
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD11	8	1.14
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD12	8	1.14
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD13	8	1.14
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD11	13	1.14
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD12	13	1.14
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD13	13	1.14
(2,218)	1:10:A:ALA:HA	1:13:A:LEU:HB2	6	1.14
(2,218)	1:10:A:ALA:HA	1:13:A:LEU:HB2	7	1.14
(1,384)	1:71:A:ASN:HD21	1:71:A:ASN:H	7	1.14
(1,259)	1:55:A:GLY:H	1:56:A:ILE:HG13	15	1.14
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD21	10	1.14
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD22	10	1.14
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD23	10	1.14
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD21	1	1.13
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD22	1	1.13
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD23	1	1.13
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD21	4	1.13
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD22	4	1.13
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD23	4	1.13
(2,1163)	1:60:A:THR:HA	1:64:A:LEU:HB3	11	1.13
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE1	12	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,800)	1:29:A:VAL:HG21	1:51:A:PHE:HE2	12	1.13
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE1	12	1.13
(2,800)	1:29:A:VAL:HG22	1:51:A:PHE:HE2	12	1.13
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE1	12	1.13
(2,800)	1:29:A:VAL:HG23	1:51:A:PHE:HE2	12	1.13
(2,562)	1:28:A:LEU:HD11	1:25:A:LEU:HA	2	1.13
(2,562)	1:28:A:LEU:HD12	1:25:A:LEU:HA	2	1.13
(2,562)	1:28:A:LEU:HD13	1:25:A:LEU:HA	2	1.13
(2,285)	1:13:A:LEU:HA	1:21:A:GLN:HG2	6	1.13
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD11	4	1.13
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD12	4	1.13
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD13	4	1.13
(2,171)	1:53:A:ASP:HB2	1:51:A:PHE:HA	2	1.13
(2,105)	1:5:A:ALA:HB1	1:3:A:ALA:HA	13	1.13
(2,105)	1:5:A:ALA:HB2	1:3:A:ALA:HA	13	1.13
(2,105)	1:5:A:ALA:HB3	1:3:A:ALA:HA	13	1.13
(2,15)	1:95:A:HIS:HD2	1:22:A:GLN:HA	6	1.13
(2,15)	1:95:A:HIS:HD2	1:22:A:GLN:HA	9	1.13
(2,15)	1:95:A:HIS:HD2	1:22:A:GLN:HA	11	1.13
(1,605)	1:43:A:GLU:H	1:42:A:PRO:HD2	7	1.13
(1,384)	1:71:A:ASN:HD21	1:71:A:ASN:H	5	1.13
(1,259)	1:55:A:GLY:H	1:56:A:ILE:HG13	12	1.13
(1,259)	1:55:A:GLY:H	1:56:A:ILE:HG13	13	1.13
(1,234)	1:102:A:HIS:H	1:101:A:SER:HB2	13	1.13
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD21	11	1.12
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD22	11	1.12
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD23	11	1.12
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD21	11	1.12
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD22	11	1.12
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD23	11	1.12
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD21	11	1.12
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD22	11	1.12
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD23	11	1.12
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD21	15	1.12
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD22	15	1.12
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD23	15	1.12
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD21	15	1.12
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD22	15	1.12
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD23	15	1.12
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD21	15	1.12
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD22	15	1.12
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD23	15	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1784)	1:98:A:LEU:HD11	1:94:A:LEU:HA	1	1.12
(2,1784)	1:98:A:LEU:HD12	1:94:A:LEU:HA	1	1.12
(2,1784)	1:98:A:LEU:HD13	1:94:A:LEU:HA	1	1.12
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD11	1	1.12
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD12	1	1.12
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD13	1	1.12
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD11	1	1.12
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD12	1	1.12
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD13	1	1.12
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD11	1	1.12
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD12	1	1.12
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD13	1	1.12
(2,1486)	1:78:A:PRO:HB2	1:79:A:THR:H	9	1.12
(2,1327)	1:68:A:LEU:HG	1:68:A:LEU:H	1	1.12
(2,900)	1:41:A:THR:HG21	1:43:A:GLU:HB3	7	1.12
(2,900)	1:41:A:THR:HG22	1:43:A:GLU:HB3	7	1.12
(2,900)	1:41:A:THR:HG23	1:43:A:GLU:HB3	7	1.12
(2,900)	1:41:A:THR:HG21	1:43:A:GLU:HB3	15	1.12
(2,900)	1:41:A:THR:HG22	1:43:A:GLU:HB3	15	1.12
(2,900)	1:41:A:THR:HG23	1:43:A:GLU:HB3	15	1.12
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD11	11	1.12
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD12	11	1.12
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD13	11	1.12
(2,562)	1:28:A:LEU:HD11	1:25:A:LEU:HA	1	1.12
(2,562)	1:28:A:LEU:HD12	1:25:A:LEU:HA	1	1.12
(2,562)	1:28:A:LEU:HD13	1:25:A:LEU:HA	1	1.12
(2,562)	1:28:A:LEU:HD11	1:25:A:LEU:HA	14	1.12
(2,562)	1:28:A:LEU:HD12	1:25:A:LEU:HA	14	1.12
(2,562)	1:28:A:LEU:HD13	1:25:A:LEU:HA	14	1.12
(2,539)	1:24:A:THR:HG21	1:28:A:LEU:HG	9	1.12
(2,539)	1:24:A:THR:HG22	1:28:A:LEU:HG	9	1.12
(2,539)	1:24:A:THR:HG23	1:28:A:LEU:HG	9	1.12
(2,539)	1:24:A:THR:HG21	1:28:A:LEU:HG	10	1.12
(2,539)	1:24:A:THR:HG22	1:28:A:LEU:HG	10	1.12
(2,539)	1:24:A:THR:HG23	1:28:A:LEU:HG	10	1.12
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD11	16	1.12
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD12	16	1.12
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD13	16	1.12
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG21	10	1.12
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG22	10	1.12
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG23	10	1.12
(2,218)	1:10:A:ALA:HA	1:13:A:LEU:HB2	3	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,218)	1:10:A:ALA:HA	1:13:A:LEU:HB2	4	1.12
(2,218)	1:10:A:ALA:HA	1:13:A:LEU:HB2	11	1.12
(2,171)	1:53:A:ASP:HB2	1:51:A:PHE:HA	14	1.12
(2,171)	1:53:A:ASP:HB2	1:51:A:PHE:HA	15	1.12
(2,171)	1:53:A:ASP:HB2	1:51:A:PHE:HA	16	1.12
(2,15)	1:95:A:HIS:HD2	1:22:A:GLN:HA	4	1.12
(1,551)	1:12:A:ARG:H	1:12:A:ARG:HD3	1	1.12
(1,92)	1:71:A:ASN:HD21	1:71:A:ASN:HA	12	1.12
(2,1897)	1:32:A:ALA:HB1	1:28:A:LEU:H	11	1.11
(2,1897)	1:32:A:ALA:HB2	1:28:A:LEU:H	11	1.11
(2,1897)	1:32:A:ALA:HB3	1:28:A:LEU:H	11	1.11
(2,1834)	1:64:A:LEU:HD11	1:90:A:LEU:HD11	8	1.11
(2,1834)	1:64:A:LEU:HD11	1:90:A:LEU:HD12	8	1.11
(2,1834)	1:64:A:LEU:HD11	1:90:A:LEU:HD13	8	1.11
(2,1834)	1:64:A:LEU:HD12	1:90:A:LEU:HD11	8	1.11
(2,1834)	1:64:A:LEU:HD12	1:90:A:LEU:HD12	8	1.11
(2,1834)	1:64:A:LEU:HD12	1:90:A:LEU:HD13	8	1.11
(2,1834)	1:64:A:LEU:HD13	1:90:A:LEU:HD11	8	1.11
(2,1834)	1:64:A:LEU:HD13	1:90:A:LEU:HD12	8	1.11
(2,1834)	1:64:A:LEU:HD13	1:90:A:LEU:HD13	8	1.11
(2,1785)	1:98:A:LEU:HD11	1:95:A:HIS:HB2	6	1.11
(2,1785)	1:98:A:LEU:HD12	1:95:A:HIS:HB2	6	1.11
(2,1785)	1:98:A:LEU:HD13	1:95:A:HIS:HB2	6	1.11
(2,1785)	1:98:A:LEU:HD11	1:95:A:HIS:HB2	16	1.11
(2,1785)	1:98:A:LEU:HD12	1:95:A:HIS:HB2	16	1.11
(2,1785)	1:98:A:LEU:HD13	1:95:A:HIS:HB2	16	1.11
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD11	13	1.11
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD12	13	1.11
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD13	13	1.11
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD11	13	1.11
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD12	13	1.11
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD13	13	1.11
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD11	13	1.11
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD12	13	1.11
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD13	13	1.11
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD11	16	1.11
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD12	16	1.11
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD13	16	1.11
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD11	16	1.11
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD12	16	1.11
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD13	16	1.11
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD11	16	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD12	16	1.11
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD13	16	1.11
(2,1478)	1:75:A:ASP:HB2	1:74:A:LEU:HB2	15	1.11
(2,1327)	1:68:A:LEU:HG	1:68:A:LEU:H	2	1.11
(2,1327)	1:68:A:LEU:HG	1:68:A:LEU:H	4	1.11
(2,1327)	1:68:A:LEU:HG	1:68:A:LEU:H	6	1.11
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD11	3	1.11
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD12	3	1.11
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD13	3	1.11
(2,1321)	1:68:A:LEU:HG	1:64:A:LEU:HB2	1	1.11
(2,797)	1:29:A:VAL:HG21	1:33:A:THR:H	1	1.11
(2,797)	1:29:A:VAL:HG22	1:33:A:THR:H	1	1.11
(2,797)	1:29:A:VAL:HG23	1:33:A:THR:H	1	1.11
(2,539)	1:24:A:THR:HG21	1:28:A:LEU:HG	1	1.11
(2,539)	1:24:A:THR:HG22	1:28:A:LEU:HG	1	1.11
(2,539)	1:24:A:THR:HG23	1:28:A:LEU:HG	1	1.11
(2,539)	1:24:A:THR:HG21	1:28:A:LEU:HG	8	1.11
(2,539)	1:24:A:THR:HG22	1:28:A:LEU:HG	8	1.11
(2,539)	1:24:A:THR:HG23	1:28:A:LEU:HG	8	1.11
(2,539)	1:24:A:THR:HG21	1:28:A:LEU:HG	14	1.11
(2,539)	1:24:A:THR:HG22	1:28:A:LEU:HG	14	1.11
(2,539)	1:24:A:THR:HG23	1:28:A:LEU:HG	14	1.11
(2,493)	1:22:A:GLN:HG3	1:23:A:GLN:H	7	1.11
(2,444)	1:21:A:GLN:HG3	1:21:A:GLN:H	14	1.11
(2,381)	1:18:A:PRO:HB2	1:19:A:GLN:H	11	1.11
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD11	2	1.11
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD12	2	1.11
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD13	2	1.11
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD11	9	1.11
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD12	9	1.11
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD13	9	1.11
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD11	11	1.11
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD12	11	1.11
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD13	11	1.11
(2,247)	1:9:A:LEU:HD11	1:12:A:ARG:HB3	11	1.11
(2,247)	1:9:A:LEU:HD12	1:12:A:ARG:HB3	11	1.11
(2,247)	1:9:A:LEU:HD13	1:12:A:ARG:HB3	11	1.11
(2,218)	1:10:A:ALA:HA	1:13:A:LEU:HB2	10	1.11
(2,218)	1:10:A:ALA:HA	1:13:A:LEU:HB2	13	1.11
(2,15)	1:95:A:HIS:HD2	1:22:A:GLN:HA	15	1.11
(1,259)	1:55:A:GLY:H	1:56:A:ILE:HG13	6	1.11
(1,259)	1:55:A:GLY:H	1:56:A:ILE:HG13	11	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD21	13	1.11
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD22	13	1.11
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD23	13	1.11
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD21	14	1.11
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD22	14	1.11
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD23	14	1.11
(2,1897)	1:32:A:ALA:HB1	1:28:A:LEU:H	3	1.1
(2,1897)	1:32:A:ALA:HB2	1:28:A:LEU:H	3	1.1
(2,1897)	1:32:A:ALA:HB3	1:28:A:LEU:H	3	1.1
(2,1897)	1:32:A:ALA:HB1	1:28:A:LEU:H	12	1.1
(2,1897)	1:32:A:ALA:HB2	1:28:A:LEU:H	12	1.1
(2,1897)	1:32:A:ALA:HB3	1:28:A:LEU:H	12	1.1
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD11	2	1.1
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD12	2	1.1
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD13	2	1.1
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD11	2	1.1
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD12	2	1.1
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD13	2	1.1
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD11	2	1.1
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD12	2	1.1
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD13	2	1.1
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD11	7	1.1
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD12	7	1.1
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD13	7	1.1
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD11	7	1.1
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD12	7	1.1
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD13	7	1.1
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD11	7	1.1
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD12	7	1.1
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD13	7	1.1
(2,1624)	1:87:A:PRO:HB2	1:26:A:ALA:HA	9	1.1
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD21	6	1.1
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD22	6	1.1
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD23	6	1.1
(2,1327)	1:68:A:LEU:HG	1:68:A:LEU:H	5	1.1
(2,1156)	1:60:A:THR:HB	1:59:A:LEU:HB3	11	1.1
(2,913)	1:43:A:GLU:HG2	1:42:A:PRO:HA	4	1.1
(2,900)	1:41:A:THR:HG21	1:43:A:GLU:HB3	8	1.1
(2,900)	1:41:A:THR:HG22	1:43:A:GLU:HB3	8	1.1
(2,900)	1:41:A:THR:HG23	1:43:A:GLU:HB3	8	1.1
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG21	10	1.1
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG22	10	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG23	10	1.1
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG21	15	1.1
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG22	15	1.1
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG23	15	1.1
(2,562)	1:28:A:LEU:HD11	1:25:A:LEU:HA	9	1.1
(2,562)	1:28:A:LEU:HD12	1:25:A:LEU:HA	9	1.1
(2,562)	1:28:A:LEU:HD13	1:25:A:LEU:HA	9	1.1
(2,562)	1:28:A:LEU:HD11	1:25:A:LEU:HA	10	1.1
(2,562)	1:28:A:LEU:HD12	1:25:A:LEU:HA	10	1.1
(2,562)	1:28:A:LEU:HD13	1:25:A:LEU:HA	10	1.1
(2,539)	1:24:A:THR:HG21	1:28:A:LEU:HG	6	1.1
(2,539)	1:24:A:THR:HG22	1:28:A:LEU:HG	6	1.1
(2,539)	1:24:A:THR:HG23	1:28:A:LEU:HG	6	1.1
(2,539)	1:24:A:THR:HG21	1:28:A:LEU:HG	7	1.1
(2,539)	1:24:A:THR:HG22	1:28:A:LEU:HG	7	1.1
(2,539)	1:24:A:THR:HG23	1:28:A:LEU:HG	7	1.1
(2,539)	1:24:A:THR:HG21	1:28:A:LEU:HG	12	1.1
(2,539)	1:24:A:THR:HG22	1:28:A:LEU:HG	12	1.1
(2,539)	1:24:A:THR:HG23	1:28:A:LEU:HG	12	1.1
(2,539)	1:24:A:THR:HG21	1:28:A:LEU:HG	15	1.1
(2,539)	1:24:A:THR:HG22	1:28:A:LEU:HG	15	1.1
(2,539)	1:24:A:THR:HG23	1:28:A:LEU:HG	15	1.1
(2,285)	1:13:A:LEU:HA	1:21:A:GLN:HG2	16	1.1
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD11	7	1.1
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD12	7	1.1
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD13	7	1.1
(2,171)	1:53:A:ASP:HB2	1:51:A:PHE:HA	12	1.1
(1,605)	1:43:A:GLU:H	1:42:A:PRO:HD2	2	1.1
(1,551)	1:12:A:ARG:H	1:12:A:ARG:HD3	8	1.1
(2,1897)	1:32:A:ALA:HB1	1:28:A:LEU:H	1	1.09
(2,1897)	1:32:A:ALA:HB2	1:28:A:LEU:H	1	1.09
(2,1897)	1:32:A:ALA:HB3	1:28:A:LEU:H	1	1.09
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD21	9	1.09
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD22	9	1.09
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD23	9	1.09
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD21	9	1.09
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD22	9	1.09
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD23	9	1.09
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD21	9	1.09
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD22	9	1.09
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD23	9	1.09
(2,1799)	1:99:A:THR:HG21	1:100:A:GLN:H	6	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1799)	1:99:A:THR:HG22	1:100:A:GLN:H	6	1.09
(2,1799)	1:99:A:THR:HG23	1:100:A:GLN:H	6	1.09
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD21	6	1.09
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD22	6	1.09
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD23	6	1.09
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD11	4	1.09
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD12	4	1.09
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD13	4	1.09
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD11	4	1.09
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD12	4	1.09
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD13	4	1.09
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD11	4	1.09
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD12	4	1.09
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD13	4	1.09
(2,1624)	1:87:A:PRO:HB2	1:26:A:ALA:HA	7	1.09
(2,1498)	1:79:A:THR:HA	1:82:A:PHE:HB2	11	1.09
(2,1498)	1:79:A:THR:HA	1:82:A:PHE:HB2	12	1.09
(2,1398)	1:45:A:ILE:HD11	1:39:A:HIS:HB2	7	1.09
(2,1398)	1:45:A:ILE:HD12	1:39:A:HIS:HB2	7	1.09
(2,1398)	1:45:A:ILE:HD13	1:39:A:HIS:HB2	7	1.09
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD21	10	1.09
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD22	10	1.09
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD23	10	1.09
(2,1327)	1:68:A:LEU:HG	1:68:A:LEU:H	16	1.09
(2,1321)	1:68:A:LEU:HG	1:64:A:LEU:HB2	14	1.09
(2,1134)	1:58:A:SER:HB3	1:59:A:LEU:H	12	1.09
(2,973)	1:48:A:ALA:HB1	1:49:A:THR:HB	9	1.09
(2,973)	1:48:A:ALA:HB2	1:49:A:THR:HB	9	1.09
(2,973)	1:48:A:ALA:HB3	1:49:A:THR:HB	9	1.09
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG21	4	1.09
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG22	4	1.09
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG23	4	1.09
(2,797)	1:29:A:VAL:HG21	1:33:A:THR:H	5	1.09
(2,797)	1:29:A:VAL:HG22	1:33:A:THR:H	5	1.09
(2,797)	1:29:A:VAL:HG23	1:33:A:THR:H	5	1.09
(2,797)	1:29:A:VAL:HG21	1:33:A:THR:H	9	1.09
(2,797)	1:29:A:VAL:HG22	1:33:A:THR:H	9	1.09
(2,797)	1:29:A:VAL:HG23	1:33:A:THR:H	9	1.09
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD11	1	1.09
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD12	1	1.09
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD13	1	1.09
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD11	2	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD12	2	1.09
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD13	2	1.09
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD11	14	1.09
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD12	14	1.09
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD13	14	1.09
(2,620)	1:28:A:LEU:HB2	1:29:A:VAL:HB	6	1.09
(2,620)	1:28:A:LEU:HB2	1:29:A:VAL:HB	11	1.09
(2,620)	1:28:A:LEU:HB2	1:29:A:VAL:HB	13	1.09
(2,562)	1:28:A:LEU:HD11	1:25:A:LEU:HA	5	1.09
(2,562)	1:28:A:LEU:HD12	1:25:A:LEU:HA	5	1.09
(2,562)	1:28:A:LEU:HD13	1:25:A:LEU:HA	5	1.09
(2,562)	1:28:A:LEU:HD11	1:25:A:LEU:HA	6	1.09
(2,562)	1:28:A:LEU:HD12	1:25:A:LEU:HA	6	1.09
(2,562)	1:28:A:LEU:HD13	1:25:A:LEU:HA	6	1.09
(2,539)	1:24:A:THR:HG21	1:28:A:LEU:HG	4	1.09
(2,539)	1:24:A:THR:HG22	1:28:A:LEU:HG	4	1.09
(2,539)	1:24:A:THR:HG23	1:28:A:LEU:HG	4	1.09
(2,285)	1:13:A:LEU:HA	1:21:A:GLN:HG2	10	1.09
(2,280)	1:12:A:ARG:HD3	1:13:A:LEU:H	14	1.09
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD21	12	1.09
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD22	12	1.09
(2,278)	1:12:A:ARG:HD3	1:13:A:LEU:HD23	12	1.09
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD11	14	1.09
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD12	14	1.09
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD13	14	1.09
(2,218)	1:10:A:ALA:HA	1:13:A:LEU:HB2	12	1.09
(2,218)	1:10:A:ALA:HA	1:13:A:LEU:HB2	15	1.09
(2,216)	1:10:A:ALA:HA	1:12:A:ARG:HB2	7	1.09
(2,171)	1:53:A:ASP:HB2	1:51:A:PHE:HA	5	1.09
(2,171)	1:53:A:ASP:HB2	1:51:A:PHE:HA	10	1.09
(2,15)	1:95:A:HIS:HD2	1:22:A:GLN:HA	5	1.09
(1,392)	1:38:A:GLY:H	1:37:A:LEU:HB2	16	1.09
(1,326)	1:61:A:ALA:H	1:64:A:LEU:HB3	6	1.09
(1,326)	1:61:A:ALA:H	1:64:A:LEU:HB3	13	1.09
(1,234)	1:102:A:HIS:H	1:101:A:SER:HB2	7	1.09
(1,91)	1:71:A:ASN:HD21	1:71:A:ASN:HB2	5	1.09
(2,1897)	1:32:A:ALA:HB1	1:28:A:LEU:H	7	1.08
(2,1897)	1:32:A:ALA:HB2	1:28:A:LEU:H	7	1.08
(2,1897)	1:32:A:ALA:HB3	1:28:A:LEU:H	7	1.08
(2,1897)	1:32:A:ALA:HB1	1:28:A:LEU:H	8	1.08
(2,1897)	1:32:A:ALA:HB2	1:28:A:LEU:H	8	1.08
(2,1897)	1:32:A:ALA:HB3	1:28:A:LEU:H	8	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1897)	1:32:A:ALA:HB1	1:28:A:LEU:H	13	1.08
(2,1897)	1:32:A:ALA:HB2	1:28:A:LEU:H	13	1.08
(2,1897)	1:32:A:ALA:HB3	1:28:A:LEU:H	13	1.08
(2,1897)	1:32:A:ALA:HB1	1:28:A:LEU:H	15	1.08
(2,1897)	1:32:A:ALA:HB2	1:28:A:LEU:H	15	1.08
(2,1897)	1:32:A:ALA:HB3	1:28:A:LEU:H	15	1.08
(2,1897)	1:32:A:ALA:HB1	1:28:A:LEU:H	16	1.08
(2,1897)	1:32:A:ALA:HB2	1:28:A:LEU:H	16	1.08
(2,1897)	1:32:A:ALA:HB3	1:28:A:LEU:H	16	1.08
(2,1558)	1:82:A:PHE:HA	1:85:A:PRO:HB2	11	1.08
(2,1478)	1:75:A:ASP:HB2	1:74:A:LEU:HB2	1	1.08
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD21	2	1.08
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD22	2	1.08
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD23	2	1.08
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD21	10	1.08
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD22	10	1.08
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD23	10	1.08
(2,892)	1:43:A:GLU:HG2	1:41:A:THR:HB	5	1.08
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG21	16	1.08
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG22	16	1.08
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG23	16	1.08
(2,620)	1:28:A:LEU:HB2	1:29:A:VAL:HB	3	1.08
(2,620)	1:28:A:LEU:HB2	1:29:A:VAL:HB	7	1.08
(2,620)	1:28:A:LEU:HB2	1:29:A:VAL:HB	10	1.08
(2,620)	1:28:A:LEU:HB2	1:29:A:VAL:HB	12	1.08
(2,620)	1:28:A:LEU:HB2	1:29:A:VAL:HB	16	1.08
(2,562)	1:28:A:LEU:HD11	1:25:A:LEU:HA	4	1.08
(2,562)	1:28:A:LEU:HD12	1:25:A:LEU:HA	4	1.08
(2,562)	1:28:A:LEU:HD13	1:25:A:LEU:HA	4	1.08
(2,562)	1:28:A:LEU:HD11	1:25:A:LEU:HA	7	1.08
(2,562)	1:28:A:LEU:HD12	1:25:A:LEU:HA	7	1.08
(2,562)	1:28:A:LEU:HD13	1:25:A:LEU:HA	7	1.08
(2,562)	1:28:A:LEU:HD11	1:25:A:LEU:HA	8	1.08
(2,562)	1:28:A:LEU:HD12	1:25:A:LEU:HA	8	1.08
(2,562)	1:28:A:LEU:HD13	1:25:A:LEU:HA	8	1.08
(2,539)	1:24:A:THR:HG21	1:28:A:LEU:HG	3	1.08
(2,539)	1:24:A:THR:HG22	1:28:A:LEU:HG	3	1.08
(2,539)	1:24:A:THR:HG23	1:28:A:LEU:HG	3	1.08
(2,469)	1:22:A:GLN:HA	1:25:A:LEU:HA	5	1.08
(2,280)	1:12:A:ARG:HD3	1:13:A:LEU:H	5	1.08
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG21	4	1.08
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG22	4	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG23	4	1.08
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG21	7	1.08
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG22	7	1.08
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG23	7	1.08
(2,218)	1:10:A:ALA:HA	1:13:A:LEU:HB2	5	1.08
(2,171)	1:53:A:ASP:HB2	1:51:A:PHE:HA	4	1.08
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG21	7	1.08
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG22	7	1.08
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG23	7	1.08
(1,551)	1:12:A:ARG:H	1:12:A:ARG:HD3	11	1.08
(1,326)	1:61:A:ALA:H	1:64:A:LEU:HB3	12	1.08
(1,91)	1:71:A:ASN:HD21	1:71:A:ASN:HB2	1	1.08
(1,91)	1:71:A:ASN:HD21	1:71:A:ASN:HB2	3	1.08
(1,91)	1:71:A:ASN:HD21	1:71:A:ASN:HB2	4	1.08
(1,91)	1:71:A:ASN:HD21	1:71:A:ASN:HB2	9	1.08
(1,91)	1:71:A:ASN:HD21	1:71:A:ASN:HB2	14	1.08
(2,1897)	1:32:A:ALA:HB1	1:28:A:LEU:H	4	1.07
(2,1897)	1:32:A:ALA:HB2	1:28:A:LEU:H	4	1.07
(2,1897)	1:32:A:ALA:HB3	1:28:A:LEU:H	4	1.07
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD11	4	1.07
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD12	4	1.07
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD13	4	1.07
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD11	4	1.07
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD12	4	1.07
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD13	4	1.07
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD11	4	1.07
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD12	4	1.07
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD13	4	1.07
(2,1508)	1:72:A:THR:HG21	1:74:A:LEU:HB3	14	1.07
(2,1508)	1:72:A:THR:HG22	1:74:A:LEU:HB3	14	1.07
(2,1508)	1:72:A:THR:HG23	1:74:A:LEU:HB3	14	1.07
(2,1478)	1:75:A:ASP:HB2	1:74:A:LEU:HB2	6	1.07
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD21	16	1.07
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD22	16	1.07
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD23	16	1.07
(2,1327)	1:68:A:LEU:HG	1:68:A:LEU:H	14	1.07
(2,1156)	1:60:A:THR:HB	1:59:A:LEU:HB3	5	1.07
(2,1044)	1:52:A:LYS:HB2	1:52:A:LYS:HE2	14	1.07
(2,900)	1:41:A:THR:HG21	1:43:A:GLU:HB3	2	1.07
(2,900)	1:41:A:THR:HG22	1:43:A:GLU:HB3	2	1.07
(2,900)	1:41:A:THR:HG23	1:43:A:GLU:HB3	2	1.07
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG21	11	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG22	11	1.07
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG23	11	1.07
(2,797)	1:29:A:VAL:HG21	1:33:A:THR:H	4	1.07
(2,797)	1:29:A:VAL:HG22	1:33:A:THR:H	4	1.07
(2,797)	1:29:A:VAL:HG23	1:33:A:THR:H	4	1.07
(2,797)	1:29:A:VAL:HG21	1:33:A:THR:H	6	1.07
(2,797)	1:29:A:VAL:HG22	1:33:A:THR:H	6	1.07
(2,797)	1:29:A:VAL:HG23	1:33:A:THR:H	6	1.07
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD11	5	1.07
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD12	5	1.07
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD13	5	1.07
(2,620)	1:28:A:LEU:HB2	1:29:A:VAL:HB	1	1.07
(2,620)	1:28:A:LEU:HB2	1:29:A:VAL:HB	5	1.07
(2,620)	1:28:A:LEU:HB2	1:29:A:VAL:HB	9	1.07
(2,562)	1:28:A:LEU:HD11	1:25:A:LEU:HA	11	1.07
(2,562)	1:28:A:LEU:HD12	1:25:A:LEU:HA	11	1.07
(2,562)	1:28:A:LEU:HD13	1:25:A:LEU:HA	11	1.07
(2,539)	1:24:A:THR:HG21	1:28:A:LEU:HG	5	1.07
(2,539)	1:24:A:THR:HG22	1:28:A:LEU:HG	5	1.07
(2,539)	1:24:A:THR:HG23	1:28:A:LEU:HG	5	1.07
(2,539)	1:24:A:THR:HG21	1:28:A:LEU:HG	13	1.07
(2,539)	1:24:A:THR:HG22	1:28:A:LEU:HG	13	1.07
(2,539)	1:24:A:THR:HG23	1:28:A:LEU:HG	13	1.07
(2,469)	1:22:A:GLN:HA	1:25:A:LEU:HA	8	1.07
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD11	1	1.07
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD12	1	1.07
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD13	1	1.07
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD11	5	1.07
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD12	5	1.07
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD13	5	1.07
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD11	6	1.07
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD12	6	1.07
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD13	6	1.07
(2,218)	1:10:A:ALA:HA	1:13:A:LEU:HB2	1	1.07
(2,218)	1:10:A:ALA:HA	1:13:A:LEU:HB2	8	1.07
(2,218)	1:10:A:ALA:HA	1:13:A:LEU:HB2	14	1.07
(1,551)	1:12:A:ARG:H	1:12:A:ARG:HD3	9	1.07
(1,551)	1:12:A:ARG:H	1:12:A:ARG:HD3	13	1.07
(1,259)	1:55:A:GLY:H	1:56:A:ILE:HG13	2	1.07
(1,259)	1:55:A:GLY:H	1:56:A:ILE:HG13	10	1.07
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD21	12	1.07
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD22	12	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD23	12	1.07
(1,92)	1:71:A:ASN:HD21	1:71:A:ASN:HA	11	1.07
(1,91)	1:71:A:ASN:HD21	1:71:A:ASN:HB2	2	1.07
(1,91)	1:71:A:ASN:HD21	1:71:A:ASN:HB2	8	1.07
(1,91)	1:71:A:ASN:HD21	1:71:A:ASN:HB2	10	1.07
(1,91)	1:71:A:ASN:HD21	1:71:A:ASN:HB2	15	1.07
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD21	16	1.06
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD22	16	1.06
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD23	16	1.06
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD21	16	1.06
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD22	16	1.06
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD23	16	1.06
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD21	16	1.06
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD22	16	1.06
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD23	16	1.06
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD11	7	1.06
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD12	7	1.06
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD13	7	1.06
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD11	7	1.06
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD12	7	1.06
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD13	7	1.06
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD11	7	1.06
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD12	7	1.06
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD13	7	1.06
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD11	10	1.06
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD12	10	1.06
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD13	10	1.06
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD11	10	1.06
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD12	10	1.06
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD13	10	1.06
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD11	10	1.06
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD12	10	1.06
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD13	10	1.06
(2,1498)	1:79:A:THR:HA	1:82:A:PHE:HB2	2	1.06
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD21	7	1.06
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD22	7	1.06
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD23	7	1.06
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD21	1	1.06
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD22	1	1.06
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD23	1	1.06
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD21	4	1.06
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD22	4	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD23	4	1.06
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD21	5	1.06
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD22	5	1.06
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD23	5	1.06
(2,1321)	1:68:A:LEU:HG	1:64:A:LEU:HB2	9	1.06
(2,797)	1:29:A:VAL:HG21	1:33:A:THR:H	3	1.06
(2,797)	1:29:A:VAL:HG22	1:33:A:THR:H	3	1.06
(2,797)	1:29:A:VAL:HG23	1:33:A:THR:H	3	1.06
(2,797)	1:29:A:VAL:HG21	1:33:A:THR:H	7	1.06
(2,797)	1:29:A:VAL:HG22	1:33:A:THR:H	7	1.06
(2,797)	1:29:A:VAL:HG23	1:33:A:THR:H	7	1.06
(2,797)	1:29:A:VAL:HG21	1:33:A:THR:H	8	1.06
(2,797)	1:29:A:VAL:HG22	1:33:A:THR:H	8	1.06
(2,797)	1:29:A:VAL:HG23	1:33:A:THR:H	8	1.06
(2,797)	1:29:A:VAL:HG21	1:33:A:THR:H	15	1.06
(2,797)	1:29:A:VAL:HG22	1:33:A:THR:H	15	1.06
(2,797)	1:29:A:VAL:HG23	1:33:A:THR:H	15	1.06
(2,797)	1:29:A:VAL:HG21	1:33:A:THR:H	16	1.06
(2,797)	1:29:A:VAL:HG22	1:33:A:THR:H	16	1.06
(2,797)	1:29:A:VAL:HG23	1:33:A:THR:H	16	1.06
(2,682)	1:62:A:LEU:HD11	1:78:A:PRO:HB2	11	1.06
(2,682)	1:62:A:LEU:HD12	1:78:A:PRO:HB2	11	1.06
(2,682)	1:62:A:LEU:HD13	1:78:A:PRO:HB2	11	1.06
(2,620)	1:28:A:LEU:HB2	1:29:A:VAL:HB	8	1.06
(2,620)	1:28:A:LEU:HB2	1:29:A:VAL:HB	14	1.06
(2,620)	1:28:A:LEU:HB2	1:29:A:VAL:HB	15	1.06
(2,562)	1:28:A:LEU:HD11	1:25:A:LEU:HA	12	1.06
(2,562)	1:28:A:LEU:HD12	1:25:A:LEU:HA	12	1.06
(2,562)	1:28:A:LEU:HD13	1:25:A:LEU:HA	12	1.06
(2,562)	1:28:A:LEU:HD11	1:25:A:LEU:HA	15	1.06
(2,562)	1:28:A:LEU:HD12	1:25:A:LEU:HA	15	1.06
(2,562)	1:28:A:LEU:HD13	1:25:A:LEU:HA	15	1.06
(2,539)	1:24:A:THR:HG21	1:28:A:LEU:HG	16	1.06
(2,539)	1:24:A:THR:HG22	1:28:A:LEU:HG	16	1.06
(2,539)	1:24:A:THR:HG23	1:28:A:LEU:HG	16	1.06
(2,444)	1:21:A:GLN:HG3	1:21:A:GLN:H	16	1.06
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD11	15	1.06
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD12	15	1.06
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD13	15	1.06
(2,247)	1:9:A:LEU:HD11	1:12:A:ARG:HB3	16	1.06
(2,247)	1:9:A:LEU:HD12	1:12:A:ARG:HB3	16	1.06
(2,247)	1:9:A:LEU:HD13	1:12:A:ARG:HB3	16	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,218)	1:10:A:ALA:HA	1:13:A:LEU:HB2	2	1.06
(2,218)	1:10:A:ALA:HA	1:13:A:LEU:HB2	9	1.06
(2,117)	1:6:A:ALA:HA	1:4:A:SER:HA	2	1.06
(1,326)	1:61:A:ALA:H	1:64:A:LEU:HB3	5	1.06
(1,259)	1:55:A:GLY:H	1:56:A:ILE:HG13	3	1.06
(1,91)	1:71:A:ASN:HD21	1:71:A:ASN:HB2	6	1.06
(1,91)	1:71:A:ASN:HD21	1:71:A:ASN:HB2	7	1.06
(1,91)	1:71:A:ASN:HD21	1:71:A:ASN:HB2	16	1.06
(2,1897)	1:32:A:ALA:HB1	1:28:A:LEU:H	5	1.05
(2,1897)	1:32:A:ALA:HB2	1:28:A:LEU:H	5	1.05
(2,1897)	1:32:A:ALA:HB3	1:28:A:LEU:H	5	1.05
(2,1897)	1:32:A:ALA:HB1	1:28:A:LEU:H	6	1.05
(2,1897)	1:32:A:ALA:HB2	1:28:A:LEU:H	6	1.05
(2,1897)	1:32:A:ALA:HB3	1:28:A:LEU:H	6	1.05
(2,1897)	1:32:A:ALA:HB1	1:28:A:LEU:H	10	1.05
(2,1897)	1:32:A:ALA:HB2	1:28:A:LEU:H	10	1.05
(2,1897)	1:32:A:ALA:HB3	1:28:A:LEU:H	10	1.05
(2,1880)	1:90:A:LEU:HD11	1:92:A:GLN:H	16	1.05
(2,1880)	1:90:A:LEU:HD12	1:92:A:GLN:H	16	1.05
(2,1880)	1:90:A:LEU:HD13	1:92:A:GLN:H	16	1.05
(2,1768)	1:97:A:ARG:HG3	1:96:A:THR:HB	13	1.05
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD11	11	1.05
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD12	11	1.05
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD13	11	1.05
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD11	11	1.05
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD12	11	1.05
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD13	11	1.05
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD11	11	1.05
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD12	11	1.05
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD13	11	1.05
(2,1508)	1:72:A:THR:HG21	1:74:A:LEU:HB3	9	1.05
(2,1508)	1:72:A:THR:HG22	1:74:A:LEU:HB3	9	1.05
(2,1508)	1:72:A:THR:HG23	1:74:A:LEU:HB3	9	1.05
(2,1498)	1:79:A:THR:HA	1:82:A:PHE:HB2	4	1.05
(2,1327)	1:68:A:LEU:HG	1:68:A:LEU:H	8	1.05
(2,1321)	1:68:A:LEU:HG	1:64:A:LEU:HB2	2	1.05
(2,1156)	1:60:A:THR:HB	1:59:A:LEU:HB3	15	1.05
(2,1076)	1:54:A:LEU:HD21	1:56:A:ILE:H	10	1.05
(2,1076)	1:54:A:LEU:HD22	1:56:A:ILE:H	10	1.05
(2,1076)	1:54:A:LEU:HD23	1:56:A:ILE:H	10	1.05
(2,990)	1:67:A:THR:HG21	1:70:A:HIS:H	5	1.05
(2,990)	1:67:A:THR:HG22	1:70:A:HIS:H	5	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,990)	1:67:A:THR:HG23	1:70:A:HIS:H	5	1.05
(2,973)	1:48:A:ALA:HB1	1:49:A:THR:HB	1	1.05
(2,973)	1:48:A:ALA:HB2	1:49:A:THR:HB	1	1.05
(2,973)	1:48:A:ALA:HB3	1:49:A:THR:HB	1	1.05
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG21	2	1.05
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG22	2	1.05
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG23	2	1.05
(2,797)	1:29:A:VAL:HG21	1:33:A:THR:H	2	1.05
(2,797)	1:29:A:VAL:HG22	1:33:A:THR:H	2	1.05
(2,797)	1:29:A:VAL:HG23	1:33:A:THR:H	2	1.05
(2,797)	1:29:A:VAL:HG21	1:33:A:THR:H	11	1.05
(2,797)	1:29:A:VAL:HG22	1:33:A:THR:H	11	1.05
(2,797)	1:29:A:VAL:HG23	1:33:A:THR:H	11	1.05
(2,797)	1:29:A:VAL:HG21	1:33:A:THR:H	14	1.05
(2,797)	1:29:A:VAL:HG22	1:33:A:THR:H	14	1.05
(2,797)	1:29:A:VAL:HG23	1:33:A:THR:H	14	1.05
(2,620)	1:28:A:LEU:HB2	1:29:A:VAL:HB	2	1.05
(2,620)	1:28:A:LEU:HB2	1:29:A:VAL:HB	4	1.05
(2,562)	1:28:A:LEU:HD11	1:25:A:LEU:HA	3	1.05
(2,562)	1:28:A:LEU:HD12	1:25:A:LEU:HA	3	1.05
(2,562)	1:28:A:LEU:HD13	1:25:A:LEU:HA	3	1.05
(2,539)	1:24:A:THR:HG21	1:28:A:LEU:HG	11	1.05
(2,539)	1:24:A:THR:HG22	1:28:A:LEU:HG	11	1.05
(2,539)	1:24:A:THR:HG23	1:28:A:LEU:HG	11	1.05
(2,444)	1:21:A:GLN:HG3	1:21:A:GLN:H	12	1.05
(2,444)	1:21:A:GLN:HG3	1:21:A:GLN:H	15	1.05
(2,285)	1:13:A:LEU:HA	1:21:A:GLN:HG2	15	1.05
(2,280)	1:12:A:ARG:HD3	1:13:A:LEU:H	2	1.05
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD11	3	1.05
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD12	3	1.05
(2,266)	1:12:A:ARG:HG3	1:9:A:LEU:HD13	3	1.05
(2,247)	1:9:A:LEU:HD11	1:12:A:ARG:HB3	4	1.05
(2,247)	1:9:A:LEU:HD12	1:12:A:ARG:HB3	4	1.05
(2,247)	1:9:A:LEU:HD13	1:12:A:ARG:HB3	4	1.05
(2,247)	1:9:A:LEU:HD11	1:12:A:ARG:HB3	14	1.05
(2,247)	1:9:A:LEU:HD12	1:12:A:ARG:HB3	14	1.05
(2,247)	1:9:A:LEU:HD13	1:12:A:ARG:HB3	14	1.05
(2,216)	1:10:A:ALA:HA	1:12:A:ARG:HB2	1	1.05
(1,326)	1:61:A:ALA:H	1:64:A:LEU:HB3	4	1.05
(1,326)	1:61:A:ALA:H	1:64:A:LEU:HB3	14	1.05
(2,1897)	1:32:A:ALA:HB1	1:28:A:LEU:H	9	1.04
(2,1897)	1:32:A:ALA:HB2	1:28:A:LEU:H	9	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1897)	1:32:A:ALA:HB3	1:28:A:LEU:H	9	1.04
(2,1897)	1:32:A:ALA:HB1	1:28:A:LEU:H	14	1.04
(2,1897)	1:32:A:ALA:HB2	1:28:A:LEU:H	14	1.04
(2,1897)	1:32:A:ALA:HB3	1:28:A:LEU:H	14	1.04
(2,1768)	1:97:A:ARG:HG3	1:96:A:THR:HB	10	1.04
(2,1718)	1:100:A:GLN:HG2	1:99:A:THR:HB	6	1.04
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD11	5	1.04
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD12	5	1.04
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD13	5	1.04
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD11	5	1.04
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD12	5	1.04
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD13	5	1.04
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD11	5	1.04
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD12	5	1.04
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD13	5	1.04
(2,1498)	1:79:A:THR:HA	1:82:A:PHE:HB2	6	1.04
(2,1193)	1:62:A:LEU:HB3	1:65:A:ARG:HB2	11	1.04
(2,1156)	1:60:A:THR:HB	1:59:A:LEU:HB3	2	1.04
(2,1076)	1:54:A:LEU:HD21	1:56:A:ILE:H	7	1.04
(2,1076)	1:54:A:LEU:HD22	1:56:A:ILE:H	7	1.04
(2,1076)	1:54:A:LEU:HD23	1:56:A:ILE:H	7	1.04
(2,1076)	1:54:A:LEU:HD21	1:56:A:ILE:H	13	1.04
(2,1076)	1:54:A:LEU:HD22	1:56:A:ILE:H	13	1.04
(2,1076)	1:54:A:LEU:HD23	1:56:A:ILE:H	13	1.04
(2,1011)	1:75:A:ASP:HA	1:74:A:LEU:HG	3	1.04
(2,1011)	1:75:A:ASP:HA	1:74:A:LEU:HG	5	1.04
(2,990)	1:67:A:THR:HG21	1:70:A:HIS:H	2	1.04
(2,990)	1:67:A:THR:HG22	1:70:A:HIS:H	2	1.04
(2,990)	1:67:A:THR:HG23	1:70:A:HIS:H	2	1.04
(2,990)	1:67:A:THR:HG21	1:70:A:HIS:H	4	1.04
(2,990)	1:67:A:THR:HG22	1:70:A:HIS:H	4	1.04
(2,990)	1:67:A:THR:HG23	1:70:A:HIS:H	4	1.04
(2,990)	1:67:A:THR:HG21	1:70:A:HIS:H	6	1.04
(2,990)	1:67:A:THR:HG22	1:70:A:HIS:H	6	1.04
(2,990)	1:67:A:THR:HG23	1:70:A:HIS:H	6	1.04
(2,990)	1:67:A:THR:HG21	1:70:A:HIS:H	12	1.04
(2,990)	1:67:A:THR:HG22	1:70:A:HIS:H	12	1.04
(2,990)	1:67:A:THR:HG23	1:70:A:HIS:H	12	1.04
(2,973)	1:48:A:ALA:HB1	1:49:A:THR:HB	6	1.04
(2,973)	1:48:A:ALA:HB2	1:49:A:THR:HB	6	1.04
(2,973)	1:48:A:ALA:HB3	1:49:A:THR:HB	6	1.04
(2,973)	1:48:A:ALA:HB1	1:49:A:THR:HB	15	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,973)	1:48:A:ALA:HB2	1:49:A:THR:HB	15	1.04
(2,973)	1:48:A:ALA:HB3	1:49:A:THR:HB	15	1.04
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG21	13	1.04
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG22	13	1.04
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG23	13	1.04
(2,797)	1:29:A:VAL:HG21	1:33:A:THR:H	10	1.04
(2,797)	1:29:A:VAL:HG22	1:33:A:THR:H	10	1.04
(2,797)	1:29:A:VAL:HG23	1:33:A:THR:H	10	1.04
(2,562)	1:28:A:LEU:HD11	1:25:A:LEU:HA	13	1.04
(2,562)	1:28:A:LEU:HD12	1:25:A:LEU:HA	13	1.04
(2,562)	1:28:A:LEU:HD13	1:25:A:LEU:HA	13	1.04
(2,493)	1:22:A:GLN:HG3	1:23:A:GLN:H	8	1.04
(2,444)	1:21:A:GLN:HG3	1:21:A:GLN:H	4	1.04
(2,285)	1:13:A:LEU:HA	1:21:A:GLN:HG2	4	1.04
(2,280)	1:12:A:ARG:HD3	1:13:A:LEU:H	3	1.04
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG21	6	1.04
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG22	6	1.04
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG23	6	1.04
(1,551)	1:12:A:ARG:H	1:12:A:ARG:HD3	10	1.04
(1,92)	1:71:A:ASN:HD21	1:71:A:ASN:HA	13	1.04
(2,1897)	1:32:A:ALA:HB1	1:28:A:LEU:H	2	1.03
(2,1897)	1:32:A:ALA:HB2	1:28:A:LEU:H	2	1.03
(2,1897)	1:32:A:ALA:HB3	1:28:A:LEU:H	2	1.03
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD21	12	1.03
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD22	12	1.03
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD23	12	1.03
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD21	12	1.03
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD22	12	1.03
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD23	12	1.03
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD21	12	1.03
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD22	12	1.03
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD23	12	1.03
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD21	13	1.03
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD22	13	1.03
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD23	13	1.03
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD21	13	1.03
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD22	13	1.03
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD23	13	1.03
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD21	13	1.03
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD22	13	1.03
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD23	13	1.03
(2,1809)	1:101:A:SER:HB2	1:100:A:GLN:H	11	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD11	3	1.03
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD12	3	1.03
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD13	3	1.03
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD11	3	1.03
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD12	3	1.03
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD13	3	1.03
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD11	3	1.03
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD12	3	1.03
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD13	3	1.03
(2,1538)	1:98:A:LEU:HB3	1:99:A:THR:H	9	1.03
(2,1478)	1:75:A:ASP:HB2	1:74:A:LEU:HB2	14	1.03
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD21	13	1.03
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD22	13	1.03
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD23	13	1.03
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD21	6	1.03
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD22	6	1.03
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD23	6	1.03
(2,1268)	1:65:A:ARG:HA	1:64:A:LEU:HB2	11	1.03
(2,1156)	1:60:A:THR:HB	1:59:A:LEU:HB3	13	1.03
(2,1156)	1:60:A:THR:HB	1:59:A:LEU:HB3	14	1.03
(2,1120)	1:56:A:ILE:HG21	1:54:A:LEU:HB3	7	1.03
(2,1120)	1:56:A:ILE:HG22	1:54:A:LEU:HB3	7	1.03
(2,1120)	1:56:A:ILE:HG23	1:54:A:LEU:HB3	7	1.03
(2,1055)	1:52:A:LYS:HG3	1:52:A:LYS:H	2	1.03
(2,1055)	1:52:A:LYS:HG3	1:52:A:LYS:H	16	1.03
(2,1020)	1:51:A:PHE:HA	1:54:A:LEU:HB2	8	1.03
(2,990)	1:67:A:THR:HG21	1:70:A:HIS:H	11	1.03
(2,990)	1:67:A:THR:HG22	1:70:A:HIS:H	11	1.03
(2,990)	1:67:A:THR:HG23	1:70:A:HIS:H	11	1.03
(2,797)	1:29:A:VAL:HG21	1:33:A:THR:H	12	1.03
(2,797)	1:29:A:VAL:HG22	1:33:A:THR:H	12	1.03
(2,797)	1:29:A:VAL:HG23	1:33:A:THR:H	12	1.03
(2,562)	1:28:A:LEU:HD11	1:25:A:LEU:HA	16	1.03
(2,562)	1:28:A:LEU:HD12	1:25:A:LEU:HA	16	1.03
(2,562)	1:28:A:LEU:HD13	1:25:A:LEU:HA	16	1.03
(2,493)	1:22:A:GLN:HG3	1:23:A:GLN:H	15	1.03
(2,469)	1:22:A:GLN:HA	1:25:A:LEU:HA	7	1.03
(2,444)	1:21:A:GLN:HG3	1:21:A:GLN:H	2	1.03
(2,280)	1:12:A:ARG:HD3	1:13:A:LEU:H	6	1.03
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG21	16	1.03
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG22	16	1.03
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG23	16	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,171)	1:53:A:ASP:HB2	1:51:A:PHE:HA	8	1.03
(2,117)	1:6:A:ALA:HA	1:4:A:SER:HA	11	1.03
(2,15)	1:95:A:HIS:HD2	1:22:A:GLN:HA	3	1.03
(2,15)	1:95:A:HIS:HD2	1:22:A:GLN:HA	12	1.03
(1,326)	1:61:A:ALA:H	1:64:A:LEU:HB3	10	1.03
(2,1880)	1:90:A:LEU:HD11	1:92:A:GLN:H	1	1.02
(2,1880)	1:90:A:LEU:HD12	1:92:A:GLN:H	1	1.02
(2,1880)	1:90:A:LEU:HD13	1:92:A:GLN:H	1	1.02
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD21	7	1.02
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD22	7	1.02
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD23	7	1.02
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD21	7	1.02
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD22	7	1.02
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD23	7	1.02
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD21	7	1.02
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD22	7	1.02
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD23	7	1.02
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD21	8	1.02
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD22	8	1.02
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD23	8	1.02
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD21	8	1.02
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD22	8	1.02
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD23	8	1.02
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD21	8	1.02
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD22	8	1.02
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD23	8	1.02
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD11	6	1.02
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD12	6	1.02
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD13	6	1.02
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD11	6	1.02
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD12	6	1.02
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD13	6	1.02
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD11	6	1.02
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD12	6	1.02
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD13	6	1.02
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD11	12	1.02
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD12	12	1.02
(2,1702)	1:91:A:THR:HG21	1:94:A:LEU:HD13	12	1.02
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD11	12	1.02
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD12	12	1.02
(2,1702)	1:91:A:THR:HG22	1:94:A:LEU:HD13	12	1.02
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD11	12	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD12	12	1.02
(2,1702)	1:91:A:THR:HG23	1:94:A:LEU:HD13	12	1.02
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD11	8	1.02
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD12	8	1.02
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD13	8	1.02
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD11	8	1.02
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD12	8	1.02
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD13	8	1.02
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD11	8	1.02
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD12	8	1.02
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD13	8	1.02
(2,1624)	1:87:A:PRO:HB2	1:26:A:ALA:HA	5	1.02
(2,1398)	1:45:A:ILE:HD11	1:39:A:HIS:HB2	10	1.02
(2,1398)	1:45:A:ILE:HD12	1:39:A:HIS:HB2	10	1.02
(2,1398)	1:45:A:ILE:HD13	1:39:A:HIS:HB2	10	1.02
(2,1325)	1:68:A:LEU:HG	1:65:A:ARG:HA	11	1.02
(2,1156)	1:60:A:THR:HB	1:59:A:LEU:HB3	3	1.02
(2,1156)	1:60:A:THR:HB	1:59:A:LEU:HB3	4	1.02
(2,1156)	1:60:A:THR:HB	1:59:A:LEU:HB3	6	1.02
(2,1156)	1:60:A:THR:HB	1:59:A:LEU:HB3	8	1.02
(2,1120)	1:56:A:ILE:HG21	1:54:A:LEU:HB3	1	1.02
(2,1120)	1:56:A:ILE:HG22	1:54:A:LEU:HB3	1	1.02
(2,1120)	1:56:A:ILE:HG23	1:54:A:LEU:HB3	1	1.02
(2,1120)	1:56:A:ILE:HG21	1:54:A:LEU:HB3	9	1.02
(2,1120)	1:56:A:ILE:HG22	1:54:A:LEU:HB3	9	1.02
(2,1120)	1:56:A:ILE:HG23	1:54:A:LEU:HB3	9	1.02
(2,1120)	1:56:A:ILE:HG21	1:54:A:LEU:HB3	16	1.02
(2,1120)	1:56:A:ILE:HG22	1:54:A:LEU:HB3	16	1.02
(2,1120)	1:56:A:ILE:HG23	1:54:A:LEU:HB3	16	1.02
(2,1076)	1:54:A:LEU:HD21	1:56:A:ILE:H	3	1.02
(2,1076)	1:54:A:LEU:HD22	1:56:A:ILE:H	3	1.02
(2,1076)	1:54:A:LEU:HD23	1:56:A:ILE:H	3	1.02
(2,1076)	1:54:A:LEU:HD21	1:56:A:ILE:H	9	1.02
(2,1076)	1:54:A:LEU:HD22	1:56:A:ILE:H	9	1.02
(2,1076)	1:54:A:LEU:HD23	1:56:A:ILE:H	9	1.02
(2,1076)	1:54:A:LEU:HD21	1:56:A:ILE:H	12	1.02
(2,1076)	1:54:A:LEU:HD22	1:56:A:ILE:H	12	1.02
(2,1076)	1:54:A:LEU:HD23	1:56:A:ILE:H	12	1.02
(2,1076)	1:54:A:LEU:HD21	1:56:A:ILE:H	14	1.02
(2,1076)	1:54:A:LEU:HD22	1:56:A:ILE:H	14	1.02
(2,1076)	1:54:A:LEU:HD23	1:56:A:ILE:H	14	1.02
(2,1020)	1:51:A:PHE:HA	1:54:A:LEU:HB2	1	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,990)	1:67:A:THR:HG21	1:70:A:HIS:H	8	1.02
(2,990)	1:67:A:THR:HG22	1:70:A:HIS:H	8	1.02
(2,990)	1:67:A:THR:HG23	1:70:A:HIS:H	8	1.02
(2,973)	1:48:A:ALA:HB1	1:49:A:THR:HB	3	1.02
(2,973)	1:48:A:ALA:HB2	1:49:A:THR:HB	3	1.02
(2,973)	1:48:A:ALA:HB3	1:49:A:THR:HB	3	1.02
(2,973)	1:48:A:ALA:HB1	1:49:A:THR:HB	10	1.02
(2,973)	1:48:A:ALA:HB2	1:49:A:THR:HB	10	1.02
(2,973)	1:48:A:ALA:HB3	1:49:A:THR:HB	10	1.02
(2,973)	1:48:A:ALA:HB1	1:49:A:THR:HB	16	1.02
(2,973)	1:48:A:ALA:HB2	1:49:A:THR:HB	16	1.02
(2,973)	1:48:A:ALA:HB3	1:49:A:THR:HB	16	1.02
(2,900)	1:41:A:THR:HG21	1:43:A:GLU:HB3	14	1.02
(2,900)	1:41:A:THR:HG22	1:43:A:GLU:HB3	14	1.02
(2,900)	1:41:A:THR:HG23	1:43:A:GLU:HB3	14	1.02
(2,893)	1:41:A:THR:HB	1:42:A:PRO:HG3	3	1.02
(2,893)	1:41:A:THR:HB	1:42:A:PRO:HG3	9	1.02
(2,444)	1:21:A:GLN:HG3	1:21:A:GLN:H	6	1.02
(2,444)	1:21:A:GLN:HG3	1:21:A:GLN:H	13	1.02
(2,247)	1:9:A:LEU:HD11	1:12:A:ARG:HB3	2	1.02
(2,247)	1:9:A:LEU:HD12	1:12:A:ARG:HB3	2	1.02
(2,247)	1:9:A:LEU:HD13	1:12:A:ARG:HB3	2	1.02
(2,247)	1:9:A:LEU:HD11	1:12:A:ARG:HB3	15	1.02
(2,247)	1:9:A:LEU:HD12	1:12:A:ARG:HB3	15	1.02
(2,247)	1:9:A:LEU:HD13	1:12:A:ARG:HB3	15	1.02
(2,216)	1:10:A:ALA:HA	1:12:A:ARG:HB2	2	1.02
(2,216)	1:10:A:ALA:HA	1:12:A:ARG:HB2	4	1.02
(2,216)	1:10:A:ALA:HA	1:12:A:ARG:HB2	8	1.02
(2,216)	1:10:A:ALA:HA	1:12:A:ARG:HB2	11	1.02
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD21	6	1.02
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD22	6	1.02
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD23	6	1.02
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD21	6	1.02
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD22	6	1.02
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD23	6	1.02
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD21	7	1.02
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD22	7	1.02
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD23	7	1.02
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD21	7	1.02
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD22	7	1.02
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD23	7	1.02
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD21	10	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD22	10	1.02
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD23	10	1.02
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD21	10	1.02
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD22	10	1.02
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD23	10	1.02
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD21	13	1.02
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD22	13	1.02
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD23	13	1.02
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD21	13	1.02
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD22	13	1.02
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD23	13	1.02
(1,551)	1:12:A:ARG:H	1:12:A:ARG:HD3	12	1.02
(1,551)	1:12:A:ARG:H	1:12:A:ARG:HD3	15	1.02
(1,234)	1:102:A:HIS:H	1:101:A:SER:HB2	9	1.02
(2,1880)	1:90:A:LEU:HD11	1:92:A:GLN:H	3	1.01
(2,1880)	1:90:A:LEU:HD12	1:92:A:GLN:H	3	1.01
(2,1880)	1:90:A:LEU:HD13	1:92:A:GLN:H	3	1.01
(2,1880)	1:90:A:LEU:HD11	1:92:A:GLN:H	11	1.01
(2,1880)	1:90:A:LEU:HD12	1:92:A:GLN:H	11	1.01
(2,1880)	1:90:A:LEU:HD13	1:92:A:GLN:H	11	1.01
(2,1880)	1:90:A:LEU:HD11	1:92:A:GLN:H	12	1.01
(2,1880)	1:90:A:LEU:HD12	1:92:A:GLN:H	12	1.01
(2,1880)	1:90:A:LEU:HD13	1:92:A:GLN:H	12	1.01
(2,1880)	1:90:A:LEU:HD11	1:92:A:GLN:H	15	1.01
(2,1880)	1:90:A:LEU:HD12	1:92:A:GLN:H	15	1.01
(2,1880)	1:90:A:LEU:HD13	1:92:A:GLN:H	15	1.01
(2,1864)	1:65:A:ARG:HD3	1:66:A:ASN:HA	10	1.01
(2,1863)	1:65:A:ARG:HD3	1:65:A:ARG:HE	11	1.01
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD21	3	1.01
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD22	3	1.01
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD23	3	1.01
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD21	3	1.01
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD22	3	1.01
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD23	3	1.01
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD21	3	1.01
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD22	3	1.01
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD23	3	1.01
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD11	1	1.01
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD12	1	1.01
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD13	1	1.01
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD11	1	1.01
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD12	1	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD13	1	1.01
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD11	1	1.01
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD12	1	1.01
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD13	1	1.01
(2,1508)	1:72:A:THR:HG21	1:74:A:LEU:HB3	2	1.01
(2,1508)	1:72:A:THR:HG22	1:74:A:LEU:HB3	2	1.01
(2,1508)	1:72:A:THR:HG23	1:74:A:LEU:HB3	2	1.01
(2,1508)	1:72:A:THR:HG21	1:74:A:LEU:HB3	6	1.01
(2,1508)	1:72:A:THR:HG22	1:74:A:LEU:HB3	6	1.01
(2,1508)	1:72:A:THR:HG23	1:74:A:LEU:HB3	6	1.01
(2,1478)	1:75:A:ASP:HB2	1:74:A:LEU:HB2	12	1.01
(2,1327)	1:68:A:LEU:HG	1:68:A:LEU:H	9	1.01
(2,1156)	1:60:A:THR:HB	1:59:A:LEU:HB3	10	1.01
(2,1156)	1:60:A:THR:HB	1:59:A:LEU:HB3	12	1.01
(2,1076)	1:54:A:LEU:HD21	1:56:A:ILE:H	2	1.01
(2,1076)	1:54:A:LEU:HD22	1:56:A:ILE:H	2	1.01
(2,1076)	1:54:A:LEU:HD23	1:56:A:ILE:H	2	1.01
(2,973)	1:48:A:ALA:HB1	1:49:A:THR:HB	5	1.01
(2,973)	1:48:A:ALA:HB2	1:49:A:THR:HB	5	1.01
(2,973)	1:48:A:ALA:HB3	1:49:A:THR:HB	5	1.01
(2,797)	1:29:A:VAL:HG21	1:33:A:THR:H	13	1.01
(2,797)	1:29:A:VAL:HG22	1:33:A:THR:H	13	1.01
(2,797)	1:29:A:VAL:HG23	1:33:A:THR:H	13	1.01
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD11	6	1.01
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD12	6	1.01
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD13	6	1.01
(2,469)	1:22:A:GLN:HA	1:25:A:LEU:HA	15	1.01
(2,285)	1:13:A:LEU:HA	1:21:A:GLN:HG2	13	1.01
(2,247)	1:9:A:LEU:HD11	1:12:A:ARG:HB3	1	1.01
(2,247)	1:9:A:LEU:HD12	1:12:A:ARG:HB3	1	1.01
(2,247)	1:9:A:LEU:HD13	1:12:A:ARG:HB3	1	1.01
(2,247)	1:9:A:LEU:HD11	1:12:A:ARG:HB3	9	1.01
(2,247)	1:9:A:LEU:HD12	1:12:A:ARG:HB3	9	1.01
(2,247)	1:9:A:LEU:HD13	1:12:A:ARG:HB3	9	1.01
(1,326)	1:61:A:ALA:H	1:64:A:LEU:HB3	2	1.01
(1,326)	1:61:A:ALA:H	1:64:A:LEU:HB3	7	1.01
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD21	15	1.01
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD22	15	1.01
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD23	15	1.01
(2,1864)	1:65:A:ARG:HD3	1:66:A:ASN:HA	5	1.0
(2,1864)	1:65:A:ARG:HD3	1:66:A:ASN:HA	6	1.0
(2,1578)	1:89:A:ALA:HB1	1:84:A:HIS:HB3	9	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1578)	1:89:A:ALA:HB2	1:84:A:HIS:HB3	9	1.0
(2,1578)	1:89:A:ALA:HB3	1:84:A:HIS:HB3	9	1.0
(2,1518)	1:16:A:LEU:HB3	1:21:A:GLN:HG3	1	1.0
(2,1498)	1:79:A:THR:HA	1:82:A:PHE:HB2	14	1.0
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD21	12	1.0
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD22	12	1.0
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD23	12	1.0
(2,1156)	1:60:A:THR:HB	1:59:A:LEU:HB3	16	1.0
(2,1120)	1:56:A:ILE:HG21	1:54:A:LEU:HB3	4	1.0
(2,1120)	1:56:A:ILE:HG22	1:54:A:LEU:HB3	4	1.0
(2,1120)	1:56:A:ILE:HG23	1:54:A:LEU:HB3	4	1.0
(2,1120)	1:56:A:ILE:HG21	1:54:A:LEU:HB3	10	1.0
(2,1120)	1:56:A:ILE:HG22	1:54:A:LEU:HB3	10	1.0
(2,1120)	1:56:A:ILE:HG23	1:54:A:LEU:HB3	10	1.0
(2,1120)	1:56:A:ILE:HG21	1:54:A:LEU:HB3	11	1.0
(2,1120)	1:56:A:ILE:HG22	1:54:A:LEU:HB3	11	1.0
(2,1120)	1:56:A:ILE:HG23	1:54:A:LEU:HB3	11	1.0
(2,1120)	1:56:A:ILE:HG21	1:54:A:LEU:HB3	13	1.0
(2,1120)	1:56:A:ILE:HG22	1:54:A:LEU:HB3	13	1.0
(2,1120)	1:56:A:ILE:HG23	1:54:A:LEU:HB3	13	1.0
(2,1076)	1:54:A:LEU:HD21	1:56:A:ILE:H	4	1.0
(2,1076)	1:54:A:LEU:HD22	1:56:A:ILE:H	4	1.0
(2,1076)	1:54:A:LEU:HD23	1:56:A:ILE:H	4	1.0
(2,1055)	1:52:A:LYS:HG3	1:52:A:LYS:H	7	1.0
(2,990)	1:67:A:THR:HG21	1:70:A:HIS:H	9	1.0
(2,990)	1:67:A:THR:HG22	1:70:A:HIS:H	9	1.0
(2,990)	1:67:A:THR:HG23	1:70:A:HIS:H	9	1.0
(2,973)	1:48:A:ALA:HB1	1:49:A:THR:HB	4	1.0
(2,973)	1:48:A:ALA:HB2	1:49:A:THR:HB	4	1.0
(2,973)	1:48:A:ALA:HB3	1:49:A:THR:HB	4	1.0
(2,973)	1:48:A:ALA:HB1	1:49:A:THR:HB	7	1.0
(2,973)	1:48:A:ALA:HB2	1:49:A:THR:HB	7	1.0
(2,973)	1:48:A:ALA:HB3	1:49:A:THR:HB	7	1.0
(2,973)	1:48:A:ALA:HB1	1:49:A:THR:HB	11	1.0
(2,973)	1:48:A:ALA:HB2	1:49:A:THR:HB	11	1.0
(2,973)	1:48:A:ALA:HB3	1:49:A:THR:HB	11	1.0
(2,913)	1:43:A:GLU:HG2	1:42:A:PRO:HA	1	1.0
(2,891)	1:41:A:THR:HB	1:43:A:GLU:H	10	1.0
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG21	15	1.0
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG22	15	1.0
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG23	15	1.0
(2,493)	1:22:A:GLN:HG3	1:23:A:GLN:H	5	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,203)	1:72:A:THR:HA	1:9:A:LEU:HB2	3	1.0
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD21	2	1.0
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD22	2	1.0
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD23	2	1.0
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD21	2	1.0
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD22	2	1.0
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD23	2	1.0
(1,326)	1:61:A:ALA:H	1:64:A:LEU:HB3	9	1.0
(1,326)	1:61:A:ALA:H	1:64:A:LEU:HB3	16	1.0
(2,1880)	1:90:A:LEU:HD11	1:92:A:GLN:H	5	0.99
(2,1880)	1:90:A:LEU:HD12	1:92:A:GLN:H	5	0.99
(2,1880)	1:90:A:LEU:HD13	1:92:A:GLN:H	5	0.99
(2,1880)	1:90:A:LEU:HD11	1:92:A:GLN:H	14	0.99
(2,1880)	1:90:A:LEU:HD12	1:92:A:GLN:H	14	0.99
(2,1880)	1:90:A:LEU:HD13	1:92:A:GLN:H	14	0.99
(2,1878)	1:90:A:LEU:HD11	1:90:A:LEU:HA	15	0.99
(2,1878)	1:90:A:LEU:HD12	1:90:A:LEU:HA	15	0.99
(2,1878)	1:90:A:LEU:HD13	1:90:A:LEU:HA	15	0.99
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD21	1	0.99
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD22	1	0.99
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD23	1	0.99
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD21	1	0.99
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD22	1	0.99
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD23	1	0.99
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD21	1	0.99
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD22	1	0.99
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD23	1	0.99
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD21	4	0.99
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD22	4	0.99
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD23	4	0.99
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD21	13	0.99
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD22	13	0.99
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD23	13	0.99
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD21	12	0.99
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD22	12	0.99
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD23	12	0.99
(2,1268)	1:65:A:ARG:HA	1:64:A:LEU:HB2	3	0.99
(2,1156)	1:60:A:THR:HB	1:59:A:LEU:HB3	7	0.99
(2,1120)	1:56:A:ILE:HG21	1:54:A:LEU:HB3	5	0.99
(2,1120)	1:56:A:ILE:HG22	1:54:A:LEU:HB3	5	0.99
(2,1120)	1:56:A:ILE:HG23	1:54:A:LEU:HB3	5	0.99
(2,1120)	1:56:A:ILE:HG21	1:54:A:LEU:HB3	12	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1120)	1:56:A:ILE:HG22	1:54:A:LEU:HB3	12	0.99
(2,1120)	1:56:A:ILE:HG23	1:54:A:LEU:HB3	12	0.99
(2,1076)	1:54:A:LEU:HD21	1:56:A:ILE:H	1	0.99
(2,1076)	1:54:A:LEU:HD22	1:56:A:ILE:H	1	0.99
(2,1076)	1:54:A:LEU:HD23	1:56:A:ILE:H	1	0.99
(2,1076)	1:54:A:LEU:HD21	1:56:A:ILE:H	11	0.99
(2,1076)	1:54:A:LEU:HD22	1:56:A:ILE:H	11	0.99
(2,1076)	1:54:A:LEU:HD23	1:56:A:ILE:H	11	0.99
(2,1020)	1:51:A:PHE:HA	1:54:A:LEU:HB2	5	0.99
(2,990)	1:67:A:THR:HG21	1:70:A:HIS:H	1	0.99
(2,990)	1:67:A:THR:HG22	1:70:A:HIS:H	1	0.99
(2,990)	1:67:A:THR:HG23	1:70:A:HIS:H	1	0.99
(2,990)	1:67:A:THR:HG21	1:70:A:HIS:H	7	0.99
(2,990)	1:67:A:THR:HG22	1:70:A:HIS:H	7	0.99
(2,990)	1:67:A:THR:HG23	1:70:A:HIS:H	7	0.99
(2,973)	1:48:A:ALA:HB1	1:49:A:THR:HB	2	0.99
(2,973)	1:48:A:ALA:HB2	1:49:A:THR:HB	2	0.99
(2,973)	1:48:A:ALA:HB3	1:49:A:THR:HB	2	0.99
(2,973)	1:48:A:ALA:HB1	1:49:A:THR:HB	12	0.99
(2,973)	1:48:A:ALA:HB2	1:49:A:THR:HB	12	0.99
(2,973)	1:48:A:ALA:HB3	1:49:A:THR:HB	12	0.99
(2,893)	1:41:A:THR:HB	1:42:A:PRO:HG3	2	0.99
(2,893)	1:41:A:THR:HB	1:42:A:PRO:HG3	8	0.99
(2,893)	1:41:A:THR:HB	1:42:A:PRO:HG3	14	0.99
(2,893)	1:41:A:THR:HB	1:42:A:PRO:HG3	15	0.99
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD11	7	0.99
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD12	7	0.99
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD13	7	0.99
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD11	7	0.99
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD12	7	0.99
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD13	7	0.99
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD11	7	0.99
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD12	7	0.99
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD13	7	0.99
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD21	9	0.99
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD22	9	0.99
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD23	9	0.99
(2,459)	1:20:A:GLN:HB2	1:16:A:LEU:HB3	13	0.99
(2,282)	1:13:A:LEU:HA	1:21:A:GLN:HA	14	0.99
(2,247)	1:9:A:LEU:HD11	1:12:A:ARG:HB3	7	0.99
(2,247)	1:9:A:LEU:HD12	1:12:A:ARG:HB3	7	0.99
(2,247)	1:9:A:LEU:HD13	1:12:A:ARG:HB3	7	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,216)	1:10:A:ALA:HA	1:12:A:ARG:HB2	10	0.99
(2,216)	1:10:A:ALA:HA	1:12:A:ARG:HB2	12	0.99
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG21	11	0.99
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG22	11	0.99
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG23	11	0.99
(1,551)	1:12:A:ARG:H	1:12:A:ARG:HD3	4	0.99
(2,1878)	1:90:A:LEU:HD11	1:90:A:LEU:HA	2	0.98
(2,1878)	1:90:A:LEU:HD12	1:90:A:LEU:HA	2	0.98
(2,1878)	1:90:A:LEU:HD13	1:90:A:LEU:HA	2	0.98
(2,1878)	1:90:A:LEU:HD11	1:90:A:LEU:HA	6	0.98
(2,1878)	1:90:A:LEU:HD12	1:90:A:LEU:HA	6	0.98
(2,1878)	1:90:A:LEU:HD13	1:90:A:LEU:HA	6	0.98
(2,1878)	1:90:A:LEU:HD11	1:90:A:LEU:HA	13	0.98
(2,1878)	1:90:A:LEU:HD12	1:90:A:LEU:HA	13	0.98
(2,1878)	1:90:A:LEU:HD13	1:90:A:LEU:HA	13	0.98
(2,1864)	1:65:A:ARG:HD3	1:66:A:ASN:HA	2	0.98
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD21	5	0.98
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD22	5	0.98
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD23	5	0.98
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD21	5	0.98
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD22	5	0.98
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD23	5	0.98
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD21	5	0.98
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD22	5	0.98
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD23	5	0.98
(2,1624)	1:87:A:PRO:HB2	1:26:A:ALA:HA	6	0.98
(2,1478)	1:75:A:ASP:HB2	1:74:A:LEU:HB2	8	0.98
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD21	3	0.98
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD22	3	0.98
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD23	3	0.98
(2,1398)	1:45:A:ILE:HD11	1:39:A:HIS:HB2	11	0.98
(2,1398)	1:45:A:ILE:HD12	1:39:A:HIS:HB2	11	0.98
(2,1398)	1:45:A:ILE:HD13	1:39:A:HIS:HB2	11	0.98
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD21	7	0.98
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD22	7	0.98
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD23	7	0.98
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD21	14	0.98
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD22	14	0.98
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD23	14	0.98
(2,1192)	1:62:A:LEU:HB2	1:65:A:ARG:HB2	11	0.98
(2,1120)	1:56:A:ILE:HG21	1:54:A:LEU:HB3	2	0.98
(2,1120)	1:56:A:ILE:HG22	1:54:A:LEU:HB3	2	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1120)	1:56:A:ILE:HG23	1:54:A:LEU:HB3	2	0.98
(2,1076)	1:54:A:LEU:HD21	1:56:A:ILE:H	8	0.98
(2,1076)	1:54:A:LEU:HD22	1:56:A:ILE:H	8	0.98
(2,1076)	1:54:A:LEU:HD23	1:56:A:ILE:H	8	0.98
(2,1020)	1:51:A:PHE:HA	1:54:A:LEU:HB2	4	0.98
(2,1020)	1:51:A:PHE:HA	1:54:A:LEU:HB2	15	0.98
(2,990)	1:67:A:THR:HG21	1:70:A:HIS:H	13	0.98
(2,990)	1:67:A:THR:HG22	1:70:A:HIS:H	13	0.98
(2,990)	1:67:A:THR:HG23	1:70:A:HIS:H	13	0.98
(2,990)	1:67:A:THR:HG21	1:70:A:HIS:H	14	0.98
(2,990)	1:67:A:THR:HG22	1:70:A:HIS:H	14	0.98
(2,990)	1:67:A:THR:HG23	1:70:A:HIS:H	14	0.98
(2,973)	1:48:A:ALA:HB1	1:49:A:THR:HB	14	0.98
(2,973)	1:48:A:ALA:HB2	1:49:A:THR:HB	14	0.98
(2,973)	1:48:A:ALA:HB3	1:49:A:THR:HB	14	0.98
(2,893)	1:41:A:THR:HB	1:42:A:PRO:HG3	7	0.98
(2,893)	1:41:A:THR:HB	1:42:A:PRO:HG3	11	0.98
(2,892)	1:43:A:GLU:HG2	1:41:A:THR:HB	12	0.98
(2,891)	1:41:A:THR:HB	1:43:A:GLU:H	2	0.98
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG21	14	0.98
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG22	14	0.98
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG23	14	0.98
(2,469)	1:22:A:GLN:HA	1:25:A:LEU:HA	2	0.98
(2,469)	1:22:A:GLN:HA	1:25:A:LEU:HA	4	0.98
(2,469)	1:22:A:GLN:HA	1:25:A:LEU:HA	10	0.98
(2,469)	1:22:A:GLN:HA	1:25:A:LEU:HA	14	0.98
(2,459)	1:20:A:GLN:HB2	1:16:A:LEU:HB3	14	0.98
(2,448)	1:63:A:GLU:HB2	1:36:A:VAL:HA	4	0.98
(2,444)	1:21:A:GLN:HG3	1:21:A:GLN:H	10	0.98
(2,282)	1:13:A:LEU:HA	1:21:A:GLN:HA	15	0.98
(2,247)	1:9:A:LEU:HD11	1:12:A:ARG:HB3	3	0.98
(2,247)	1:9:A:LEU:HD12	1:12:A:ARG:HB3	3	0.98
(2,247)	1:9:A:LEU:HD13	1:12:A:ARG:HB3	3	0.98
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD21	3	0.98
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD22	3	0.98
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD23	3	0.98
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD21	3	0.98
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD22	3	0.98
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD23	3	0.98
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD21	12	0.98
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD22	12	0.98
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD23	12	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD21	12	0.98
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD22	12	0.98
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD23	12	0.98
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD21	16	0.98
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD22	16	0.98
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD23	16	0.98
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD21	16	0.98
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD22	16	0.98
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD23	16	0.98
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG21	15	0.98
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG22	15	0.98
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG23	15	0.98
(1,234)	1:102:A:HIS:H	1:101:A:SER:HB2	14	0.98
(2,1878)	1:90:A:LEU:HD11	1:90:A:LEU:HA	14	0.97
(2,1878)	1:90:A:LEU:HD12	1:90:A:LEU:HA	14	0.97
(2,1878)	1:90:A:LEU:HD13	1:90:A:LEU:HA	14	0.97
(2,1864)	1:65:A:ARG:HD3	1:66:A:ASN:HA	12	0.97
(2,1864)	1:65:A:ARG:HD3	1:66:A:ASN:HA	14	0.97
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD21	4	0.97
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD22	4	0.97
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD23	4	0.97
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD21	4	0.97
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD22	4	0.97
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD23	4	0.97
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD21	4	0.97
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD22	4	0.97
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD23	4	0.97
(2,1799)	1:99:A:THR:HG21	1:100:A:GLN:H	9	0.97
(2,1799)	1:99:A:THR:HG22	1:100:A:GLN:H	9	0.97
(2,1799)	1:99:A:THR:HG23	1:100:A:GLN:H	9	0.97
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD21	15	0.97
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD22	15	0.97
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD23	15	0.97
(2,1508)	1:72:A:THR:HG21	1:74:A:LEU:HB3	4	0.97
(2,1508)	1:72:A:THR:HG22	1:74:A:LEU:HB3	4	0.97
(2,1508)	1:72:A:THR:HG23	1:74:A:LEU:HB3	4	0.97
(2,1508)	1:72:A:THR:HG21	1:74:A:LEU:HB3	7	0.97
(2,1508)	1:72:A:THR:HG22	1:74:A:LEU:HB3	7	0.97
(2,1508)	1:72:A:THR:HG23	1:74:A:LEU:HB3	7	0.97
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD21	8	0.97
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD22	8	0.97
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD23	8	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1398)	1:45:A:ILE:HD11	1:39:A:HIS:HB2	16	0.97
(2,1398)	1:45:A:ILE:HD12	1:39:A:HIS:HB2	16	0.97
(2,1398)	1:45:A:ILE:HD13	1:39:A:HIS:HB2	16	0.97
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD21	15	0.97
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD22	15	0.97
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD23	15	0.97
(2,1193)	1:62:A:LEU:HB3	1:65:A:ARG:HB2	12	0.97
(2,1120)	1:56:A:ILE:HG21	1:54:A:LEU:HB3	3	0.97
(2,1120)	1:56:A:ILE:HG22	1:54:A:LEU:HB3	3	0.97
(2,1120)	1:56:A:ILE:HG23	1:54:A:LEU:HB3	3	0.97
(2,1120)	1:56:A:ILE:HG21	1:54:A:LEU:HB3	8	0.97
(2,1120)	1:56:A:ILE:HG22	1:54:A:LEU:HB3	8	0.97
(2,1120)	1:56:A:ILE:HG23	1:54:A:LEU:HB3	8	0.97
(2,1120)	1:56:A:ILE:HG21	1:54:A:LEU:HB3	15	0.97
(2,1120)	1:56:A:ILE:HG22	1:54:A:LEU:HB3	15	0.97
(2,1120)	1:56:A:ILE:HG23	1:54:A:LEU:HB3	15	0.97
(2,1076)	1:54:A:LEU:HD21	1:56:A:ILE:H	16	0.97
(2,1076)	1:54:A:LEU:HD22	1:56:A:ILE:H	16	0.97
(2,1076)	1:54:A:LEU:HD23	1:56:A:ILE:H	16	0.97
(2,1055)	1:52:A:LYS:HG3	1:52:A:LYS:H	9	0.97
(2,1055)	1:52:A:LYS:HG3	1:52:A:LYS:H	11	0.97
(2,1044)	1:52:A:LYS:HB2	1:52:A:LYS:HE2	15	0.97
(2,1020)	1:51:A:PHE:HA	1:54:A:LEU:HB2	7	0.97
(2,1020)	1:51:A:PHE:HA	1:54:A:LEU:HB2	9	0.97
(2,1011)	1:75:A:ASP:HA	1:74:A:LEU:HG	10	0.97
(2,990)	1:67:A:THR:HG21	1:70:A:HIS:H	3	0.97
(2,990)	1:67:A:THR:HG22	1:70:A:HIS:H	3	0.97
(2,990)	1:67:A:THR:HG23	1:70:A:HIS:H	3	0.97
(2,913)	1:43:A:GLU:HG2	1:42:A:PRO:HA	5	0.97
(2,913)	1:43:A:GLU:HG2	1:42:A:PRO:HA	12	0.97
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG21	9	0.97
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG22	9	0.97
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG23	9	0.97
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG21	9	0.97
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG22	9	0.97
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG23	9	0.97
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG21	9	0.97
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG22	9	0.97
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG23	9	0.97
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG21	7	0.97
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG22	7	0.97
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG23	7	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,493)	1:22:A:GLN:HG3	1:23:A:GLN:H	1	0.97
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD21	7	0.97
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD22	7	0.97
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD23	7	0.97
(2,459)	1:20:A:GLN:HB2	1:16:A:LEU:HB3	5	0.97
(2,459)	1:20:A:GLN:HB2	1:16:A:LEU:HB3	6	0.97
(2,444)	1:21:A:GLN:HG3	1:21:A:GLN:H	9	0.97
(2,238)	1:50:A:ALA:HB1	1:52:A:LYS:HB3	5	0.97
(2,238)	1:50:A:ALA:HB2	1:52:A:LYS:HB3	5	0.97
(2,238)	1:50:A:ALA:HB3	1:52:A:LYS:HB3	5	0.97
(2,216)	1:10:A:ALA:HA	1:12:A:ARG:HB2	15	0.97
(2,130)	1:7:A:THR:HB	1:8:A:ASP:H	3	0.97
(2,130)	1:7:A:THR:HB	1:8:A:ASP:H	16	0.97
(1,326)	1:61:A:ALA:H	1:64:A:LEU:HB3	1	0.97
(1,326)	1:61:A:ALA:H	1:64:A:LEU:HB3	8	0.97
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD21	10	0.97
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD22	10	0.97
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD23	10	0.97
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD11	10	0.97
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD12	10	0.97
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD13	10	0.97
(2,1878)	1:90:A:LEU:HD11	1:90:A:LEU:HA	16	0.96
(2,1878)	1:90:A:LEU:HD12	1:90:A:LEU:HA	16	0.96
(2,1878)	1:90:A:LEU:HD13	1:90:A:LEU:HA	16	0.96
(2,1864)	1:65:A:ARG:HD3	1:66:A:ASN:HA	3	0.96
(2,1841)	1:98:A:LEU:HD21	1:95:A:HIS:HD2	7	0.96
(2,1841)	1:98:A:LEU:HD22	1:95:A:HIS:HD2	7	0.96
(2,1841)	1:98:A:LEU:HD23	1:95:A:HIS:HD2	7	0.96
(2,1834)	1:64:A:LEU:HD11	1:90:A:LEU:HD11	9	0.96
(2,1834)	1:64:A:LEU:HD11	1:90:A:LEU:HD12	9	0.96
(2,1834)	1:64:A:LEU:HD11	1:90:A:LEU:HD13	9	0.96
(2,1834)	1:64:A:LEU:HD12	1:90:A:LEU:HD11	9	0.96
(2,1834)	1:64:A:LEU:HD12	1:90:A:LEU:HD12	9	0.96
(2,1834)	1:64:A:LEU:HD12	1:90:A:LEU:HD13	9	0.96
(2,1834)	1:64:A:LEU:HD13	1:90:A:LEU:HD11	9	0.96
(2,1834)	1:64:A:LEU:HD13	1:90:A:LEU:HD12	9	0.96
(2,1834)	1:64:A:LEU:HD13	1:90:A:LEU:HD13	9	0.96
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD21	10	0.96
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD22	10	0.96
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD23	10	0.96
(2,1765)	1:97:A:ARG:HD3	1:97:A:ARG:HA	8	0.96
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD11	6	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD12	6	0.96
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD13	6	0.96
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD11	6	0.96
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD12	6	0.96
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD13	6	0.96
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD11	6	0.96
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD12	6	0.96
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD13	6	0.96
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD11	9	0.96
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD12	9	0.96
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD13	9	0.96
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD11	9	0.96
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD12	9	0.96
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD13	9	0.96
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD11	9	0.96
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD12	9	0.96
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD13	9	0.96
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD11	12	0.96
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD12	12	0.96
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD13	12	0.96
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD11	12	0.96
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD12	12	0.96
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD13	12	0.96
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD11	12	0.96
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD12	12	0.96
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD13	12	0.96
(2,1684)	1:90:A:LEU:HD21	1:91:A:THR:HA	8	0.96
(2,1684)	1:90:A:LEU:HD22	1:91:A:THR:HA	8	0.96
(2,1684)	1:90:A:LEU:HD23	1:91:A:THR:HA	8	0.96
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD21	13	0.96
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD22	13	0.96
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD23	13	0.96
(2,1284)	1:65:A:ARG:HB3	1:66:A:ASN:H	1	0.96
(2,1076)	1:54:A:LEU:HD21	1:56:A:ILE:H	5	0.96
(2,1076)	1:54:A:LEU:HD22	1:56:A:ILE:H	5	0.96
(2,1076)	1:54:A:LEU:HD23	1:56:A:ILE:H	5	0.96
(2,1076)	1:54:A:LEU:HD21	1:56:A:ILE:H	6	0.96
(2,1076)	1:54:A:LEU:HD22	1:56:A:ILE:H	6	0.96
(2,1076)	1:54:A:LEU:HD23	1:56:A:ILE:H	6	0.96
(2,1076)	1:54:A:LEU:HD21	1:56:A:ILE:H	15	0.96
(2,1076)	1:54:A:LEU:HD22	1:56:A:ILE:H	15	0.96
(2,1076)	1:54:A:LEU:HD23	1:56:A:ILE:H	15	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1020)	1:51:A:PHE:HA	1:54:A:LEU:HB2	11	0.96
(2,1020)	1:51:A:PHE:HA	1:54:A:LEU:HB2	14	0.96
(2,973)	1:48:A:ALA:HB1	1:49:A:THR:HB	13	0.96
(2,973)	1:48:A:ALA:HB2	1:49:A:THR:HB	13	0.96
(2,973)	1:48:A:ALA:HB3	1:49:A:THR:HB	13	0.96
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG21	3	0.96
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG22	3	0.96
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG23	3	0.96
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG21	11	0.96
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG22	11	0.96
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG23	11	0.96
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG21	11	0.96
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG22	11	0.96
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG23	11	0.96
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG21	11	0.96
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG22	11	0.96
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG23	11	0.96
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG21	13	0.96
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG22	13	0.96
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG23	13	0.96
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG21	13	0.96
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG22	13	0.96
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG23	13	0.96
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG21	13	0.96
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG22	13	0.96
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG23	13	0.96
(2,493)	1:22:A:GLN:HG3	1:23:A:GLN:H	10	0.96
(2,469)	1:22:A:GLN:HA	1:25:A:LEU:HA	3	0.96
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD21	1	0.96
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD22	1	0.96
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD23	1	0.96
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD21	15	0.96
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD22	15	0.96
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD23	15	0.96
(2,459)	1:20:A:GLN:HB2	1:16:A:LEU:HB3	8	0.96
(2,459)	1:20:A:GLN:HB2	1:16:A:LEU:HB3	9	0.96
(2,459)	1:20:A:GLN:HB2	1:16:A:LEU:HB3	10	0.96
(2,282)	1:13:A:LEU:HA	1:21:A:GLN:HA	10	0.96
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG21	12	0.96
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG22	12	0.96
(2,246)	1:12:A:ARG:HB2	1:24:A:THR:HG23	12	0.96
(2,238)	1:50:A:ALA:HB1	1:52:A:LYS:HB3	15	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,238)	1:50:A:ALA:HB2	1:52:A:LYS:HB3	15	0.96
(2,238)	1:50:A:ALA:HB3	1:52:A:LYS:HB3	15	0.96
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD21	14	0.96
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD22	14	0.96
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD23	14	0.96
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD21	14	0.96
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD22	14	0.96
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD23	14	0.96
(2,15)	1:95:A:HIS:HD2	1:22:A:GLN:HA	14	0.96
(1,605)	1:43:A:GLU:H	1:42:A:PRO:HD2	13	0.96
(1,605)	1:43:A:GLU:H	1:42:A:PRO:HD2	16	0.96
(1,551)	1:12:A:ARG:H	1:12:A:ARG:HD3	16	0.96
(1,326)	1:61:A:ALA:H	1:64:A:LEU:HB3	15	0.96
(1,205)	1:48:A:ALA:H	1:47:A:PRO:HD2	6	0.96
(2,1892)	1:90:A:LEU:HG	1:90:A:LEU:H	8	0.95
(2,1880)	1:90:A:LEU:HD11	1:92:A:GLN:H	4	0.95
(2,1880)	1:90:A:LEU:HD12	1:92:A:GLN:H	4	0.95
(2,1880)	1:90:A:LEU:HD13	1:92:A:GLN:H	4	0.95
(2,1880)	1:90:A:LEU:HD11	1:92:A:GLN:H	7	0.95
(2,1880)	1:90:A:LEU:HD12	1:92:A:GLN:H	7	0.95
(2,1880)	1:90:A:LEU:HD13	1:92:A:GLN:H	7	0.95
(2,1880)	1:90:A:LEU:HD11	1:92:A:GLN:H	10	0.95
(2,1880)	1:90:A:LEU:HD12	1:92:A:GLN:H	10	0.95
(2,1880)	1:90:A:LEU:HD13	1:92:A:GLN:H	10	0.95
(2,1880)	1:90:A:LEU:HD11	1:92:A:GLN:H	13	0.95
(2,1880)	1:90:A:LEU:HD12	1:92:A:GLN:H	13	0.95
(2,1880)	1:90:A:LEU:HD13	1:92:A:GLN:H	13	0.95
(2,1878)	1:90:A:LEU:HD11	1:90:A:LEU:HA	3	0.95
(2,1878)	1:90:A:LEU:HD12	1:90:A:LEU:HA	3	0.95
(2,1878)	1:90:A:LEU:HD13	1:90:A:LEU:HA	3	0.95
(2,1878)	1:90:A:LEU:HD11	1:90:A:LEU:HA	7	0.95
(2,1878)	1:90:A:LEU:HD12	1:90:A:LEU:HA	7	0.95
(2,1878)	1:90:A:LEU:HD13	1:90:A:LEU:HA	7	0.95
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD21	14	0.95
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD22	14	0.95
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD23	14	0.95
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD21	14	0.95
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD22	14	0.95
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD23	14	0.95
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD21	14	0.95
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD22	14	0.95
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD23	14	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD21	2	0.95
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD22	2	0.95
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD23	2	0.95
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD11	16	0.95
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD12	16	0.95
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD13	16	0.95
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD11	16	0.95
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD12	16	0.95
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD13	16	0.95
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD11	16	0.95
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD12	16	0.95
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD13	16	0.95
(2,1558)	1:82:A:PHE:HA	1:85:A:PRO:HB2	3	0.95
(2,1508)	1:72:A:THR:HG21	1:74:A:LEU:HB3	16	0.95
(2,1508)	1:72:A:THR:HG22	1:74:A:LEU:HB3	16	0.95
(2,1508)	1:72:A:THR:HG23	1:74:A:LEU:HB3	16	0.95
(2,1284)	1:65:A:ARG:HB3	1:66:A:ASN:H	2	0.95
(2,1284)	1:65:A:ARG:HB3	1:66:A:ASN:H	5	0.95
(2,1284)	1:65:A:ARG:HB3	1:66:A:ASN:H	7	0.95
(2,1268)	1:65:A:ARG:HA	1:64:A:LEU:HB2	8	0.95
(2,1156)	1:60:A:THR:HB	1:59:A:LEU:HB3	9	0.95
(2,1120)	1:56:A:ILE:HG21	1:54:A:LEU:HB3	6	0.95
(2,1120)	1:56:A:ILE:HG22	1:54:A:LEU:HB3	6	0.95
(2,1120)	1:56:A:ILE:HG23	1:54:A:LEU:HB3	6	0.95
(2,1120)	1:56:A:ILE:HG21	1:54:A:LEU:HB3	14	0.95
(2,1120)	1:56:A:ILE:HG22	1:54:A:LEU:HB3	14	0.95
(2,1120)	1:56:A:ILE:HG23	1:54:A:LEU:HB3	14	0.95
(2,1020)	1:51:A:PHE:HA	1:54:A:LEU:HB2	2	0.95
(2,1020)	1:51:A:PHE:HA	1:54:A:LEU:HB2	6	0.95
(2,1020)	1:51:A:PHE:HA	1:54:A:LEU:HB2	12	0.95
(2,990)	1:67:A:THR:HG21	1:70:A:HIS:H	10	0.95
(2,990)	1:67:A:THR:HG22	1:70:A:HIS:H	10	0.95
(2,990)	1:67:A:THR:HG23	1:70:A:HIS:H	10	0.95
(2,893)	1:41:A:THR:HB	1:42:A:PRO:HG3	10	0.95
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB1	4	0.95
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB2	4	0.95
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB3	4	0.95
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG21	2	0.95
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG22	2	0.95
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG23	2	0.95
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG21	2	0.95
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG22	2	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG23	2	0.95
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG21	2	0.95
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG22	2	0.95
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG23	2	0.95
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG21	3	0.95
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG22	3	0.95
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG23	3	0.95
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG21	3	0.95
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG22	3	0.95
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG23	3	0.95
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG21	3	0.95
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG22	3	0.95
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG23	3	0.95
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG21	4	0.95
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG22	4	0.95
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG23	4	0.95
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG21	4	0.95
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG22	4	0.95
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG23	4	0.95
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG21	4	0.95
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG22	4	0.95
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG23	4	0.95
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG21	7	0.95
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG22	7	0.95
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG23	7	0.95
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG21	7	0.95
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG22	7	0.95
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG23	7	0.95
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG21	7	0.95
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG22	7	0.95
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG23	7	0.95
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG21	8	0.95
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG22	8	0.95
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG23	8	0.95
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG21	8	0.95
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG22	8	0.95
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG23	8	0.95
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG21	8	0.95
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG22	8	0.95
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG23	8	0.95
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG21	14	0.95
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG22	14	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG23	14	0.95
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG21	14	0.95
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG22	14	0.95
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG23	14	0.95
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG21	14	0.95
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG22	14	0.95
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG23	14	0.95
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD11	6	0.95
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD12	6	0.95
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD13	6	0.95
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD11	6	0.95
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD12	6	0.95
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD13	6	0.95
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD11	6	0.95
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD12	6	0.95
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD13	6	0.95
(2,585)	1:26:A:ALA:HB1	1:22:A:GLN:HB2	11	0.95
(2,585)	1:26:A:ALA:HB2	1:22:A:GLN:HB2	11	0.95
(2,585)	1:26:A:ALA:HB3	1:22:A:GLN:HB2	11	0.95
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD21	8	0.95
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD22	8	0.95
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD23	8	0.95
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD21	9	0.95
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD22	9	0.95
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD23	9	0.95
(2,459)	1:20:A:GLN:HB2	1:16:A:LEU:HB3	1	0.95
(2,459)	1:20:A:GLN:HB2	1:16:A:LEU:HB3	2	0.95
(2,459)	1:20:A:GLN:HB2	1:16:A:LEU:HB3	3	0.95
(2,459)	1:20:A:GLN:HB2	1:16:A:LEU:HB3	7	0.95
(2,444)	1:21:A:GLN:HG3	1:21:A:GLN:H	3	0.95
(2,444)	1:21:A:GLN:HG3	1:21:A:GLN:H	8	0.95
(2,381)	1:18:A:PRO:HB2	1:19:A:GLN:H	6	0.95
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD21	10	0.95
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD22	10	0.95
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD23	10	0.95
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD21	11	0.95
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD22	11	0.95
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD23	11	0.95
(2,238)	1:50:A:ALA:HB1	1:52:A:LYS:HB3	12	0.95
(2,238)	1:50:A:ALA:HB2	1:52:A:LYS:HB3	12	0.95
(2,238)	1:50:A:ALA:HB3	1:52:A:LYS:HB3	12	0.95
(2,130)	1:7:A:THR:HB	1:8:A:ASP:H	8	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD21	4	0.95
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD22	4	0.95
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD23	4	0.95
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD21	4	0.95
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD22	4	0.95
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD23	4	0.95
(1,551)	1:12:A:ARG:H	1:12:A:ARG:HD3	7	0.95
(1,392)	1:38:A:GLY:H	1:37:A:LEU:HB2	15	0.95
(1,205)	1:48:A:ALA:H	1:47:A:PRO:HD2	2	0.95
(2,1878)	1:90:A:LEU:HD11	1:90:A:LEU:HA	4	0.94
(2,1878)	1:90:A:LEU:HD12	1:90:A:LEU:HA	4	0.94
(2,1878)	1:90:A:LEU:HD13	1:90:A:LEU:HA	4	0.94
(2,1878)	1:90:A:LEU:HD11	1:90:A:LEU:HA	5	0.94
(2,1878)	1:90:A:LEU:HD12	1:90:A:LEU:HA	5	0.94
(2,1878)	1:90:A:LEU:HD13	1:90:A:LEU:HA	5	0.94
(2,1878)	1:90:A:LEU:HD11	1:90:A:LEU:HA	11	0.94
(2,1878)	1:90:A:LEU:HD12	1:90:A:LEU:HA	11	0.94
(2,1878)	1:90:A:LEU:HD13	1:90:A:LEU:HA	11	0.94
(2,1878)	1:90:A:LEU:HD11	1:90:A:LEU:HA	12	0.94
(2,1878)	1:90:A:LEU:HD12	1:90:A:LEU:HA	12	0.94
(2,1878)	1:90:A:LEU:HD13	1:90:A:LEU:HA	12	0.94
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD21	12	0.94
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD22	12	0.94
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD23	12	0.94
(2,1773)	1:97:A:ARG:HD2	1:100:A:GLN:H	10	0.94
(2,1518)	1:16:A:LEU:HB3	1:21:A:GLN:HG3	7	0.94
(2,1478)	1:75:A:ASP:HB2	1:74:A:LEU:HB2	2	0.94
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD21	5	0.94
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD22	5	0.94
(2,1455)	1:73:A:GLY:HA3	1:74:A:LEU:HD23	5	0.94
(2,1284)	1:65:A:ARG:HB3	1:66:A:ASN:H	8	0.94
(2,1284)	1:65:A:ARG:HB3	1:66:A:ASN:H	9	0.94
(2,1268)	1:65:A:ARG:HA	1:64:A:LEU:HB2	9	0.94
(2,1268)	1:65:A:ARG:HA	1:64:A:LEU:HB2	10	0.94
(2,1268)	1:65:A:ARG:HA	1:64:A:LEU:HB2	16	0.94
(2,913)	1:43:A:GLU:HG2	1:42:A:PRO:HA	15	0.94
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG21	1	0.94
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG22	1	0.94
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG23	1	0.94
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG21	1	0.94
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG22	1	0.94
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG23	1	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG21	1	0.94
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG22	1	0.94
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG23	1	0.94
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG21	6	0.94
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG22	6	0.94
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG23	6	0.94
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG21	6	0.94
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG22	6	0.94
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG23	6	0.94
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG21	6	0.94
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG22	6	0.94
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG23	6	0.94
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG21	10	0.94
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG22	10	0.94
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG23	10	0.94
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG21	10	0.94
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG22	10	0.94
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG23	10	0.94
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG21	10	0.94
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG22	10	0.94
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG23	10	0.94
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG21	15	0.94
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG22	15	0.94
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG23	15	0.94
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG21	15	0.94
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG22	15	0.94
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG23	15	0.94
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG21	15	0.94
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG22	15	0.94
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG23	15	0.94
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG21	16	0.94
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG22	16	0.94
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG23	16	0.94
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG21	16	0.94
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG22	16	0.94
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG23	16	0.94
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG21	16	0.94
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG22	16	0.94
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG23	16	0.94
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD11	5	0.94
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD12	5	0.94
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD13	5	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD11	5	0.94
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD12	5	0.94
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD13	5	0.94
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD11	5	0.94
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD12	5	0.94
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD13	5	0.94
(2,469)	1:22:A:GLN:HA	1:25:A:LEU:HA	6	0.94
(2,469)	1:22:A:GLN:HA	1:25:A:LEU:HA	16	0.94
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD21	4	0.94
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD22	4	0.94
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD23	4	0.94
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD21	10	0.94
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD22	10	0.94
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD23	10	0.94
(2,444)	1:21:A:GLN:HG3	1:21:A:GLN:H	5	0.94
(2,247)	1:9:A:LEU:HD11	1:12:A:ARG:HB3	6	0.94
(2,247)	1:9:A:LEU:HD12	1:12:A:ARG:HB3	6	0.94
(2,247)	1:9:A:LEU:HD13	1:12:A:ARG:HB3	6	0.94
(2,238)	1:50:A:ALA:HB1	1:52:A:LYS:HB3	6	0.94
(2,238)	1:50:A:ALA:HB2	1:52:A:LYS:HB3	6	0.94
(2,238)	1:50:A:ALA:HB3	1:52:A:LYS:HB3	6	0.94
(2,238)	1:50:A:ALA:HB1	1:52:A:LYS:HB3	10	0.94
(2,238)	1:50:A:ALA:HB2	1:52:A:LYS:HB3	10	0.94
(2,238)	1:50:A:ALA:HB3	1:52:A:LYS:HB3	10	0.94
(2,216)	1:10:A:ALA:HA	1:12:A:ARG:HB2	16	0.94
(2,130)	1:7:A:THR:HB	1:8:A:ASP:H	13	0.94
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD11	13	0.94
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD12	13	0.94
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD13	13	0.94
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD11	16	0.94
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD12	16	0.94
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD13	16	0.94
(1,609)	1:67:A:THR:H	1:68:A:LEU:HB3	13	0.94
(1,605)	1:43:A:GLU:H	1:42:A:PRO:HD2	12	0.94
(1,282)	1:14:A:ASN:HD21	1:11:A:ALA:HA	15	0.94
(1,205)	1:48:A:ALA:H	1:47:A:PRO:HD2	1	0.94
(1,205)	1:48:A:ALA:H	1:47:A:PRO:HD2	7	0.94
(1,205)	1:48:A:ALA:H	1:47:A:PRO:HD2	10	0.94
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD21	7	0.93
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD22	7	0.93
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD23	7	0.93
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD21	7	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD22	7	0.93
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD23	7	0.93
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD21	7	0.93
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD22	7	0.93
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD23	7	0.93
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD11	10	0.93
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD12	10	0.93
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD13	10	0.93
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD11	15	0.93
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD12	15	0.93
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD13	15	0.93
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD21	2	0.93
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD22	2	0.93
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD23	2	0.93
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD21	2	0.93
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD22	2	0.93
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD23	2	0.93
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD21	2	0.93
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD22	2	0.93
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD23	2	0.93
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD21	16	0.93
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD22	16	0.93
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD23	16	0.93
(2,1578)	1:89:A:ALA:HB1	1:84:A:HIS:HB3	6	0.93
(2,1578)	1:89:A:ALA:HB2	1:84:A:HIS:HB3	6	0.93
(2,1578)	1:89:A:ALA:HB3	1:84:A:HIS:HB3	6	0.93
(2,1508)	1:72:A:THR:HG21	1:74:A:LEU:HB3	3	0.93
(2,1508)	1:72:A:THR:HG22	1:74:A:LEU:HB3	3	0.93
(2,1508)	1:72:A:THR:HG23	1:74:A:LEU:HB3	3	0.93
(2,1498)	1:79:A:THR:HA	1:82:A:PHE:HB2	3	0.93
(2,1498)	1:79:A:THR:HA	1:82:A:PHE:HB2	9	0.93
(2,1011)	1:75:A:ASP:HA	1:74:A:LEU:HG	13	0.93
(2,973)	1:48:A:ALA:HB1	1:49:A:THR:HB	8	0.93
(2,973)	1:48:A:ALA:HB2	1:49:A:THR:HB	8	0.93
(2,973)	1:48:A:ALA:HB3	1:49:A:THR:HB	8	0.93
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB1	9	0.93
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB2	9	0.93
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB3	9	0.93
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB1	15	0.93
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB2	15	0.93
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB3	15	0.93
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG21	5	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG22	5	0.93
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG23	5	0.93
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG21	5	0.93
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG22	5	0.93
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG23	5	0.93
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG21	5	0.93
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG22	5	0.93
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG23	5	0.93
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG21	12	0.93
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG22	12	0.93
(2,709)	1:30:A:ALA:HB1	1:29:A:VAL:HG23	12	0.93
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG21	12	0.93
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG22	12	0.93
(2,709)	1:30:A:ALA:HB2	1:29:A:VAL:HG23	12	0.93
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG21	12	0.93
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG22	12	0.93
(2,709)	1:30:A:ALA:HB3	1:29:A:VAL:HG23	12	0.93
(2,469)	1:22:A:GLN:HA	1:25:A:LEU:HA	13	0.93
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD21	2	0.93
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD22	2	0.93
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD23	2	0.93
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD21	5	0.93
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD22	5	0.93
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD23	5	0.93
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD21	16	0.93
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD22	16	0.93
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD23	16	0.93
(2,459)	1:20:A:GLN:HB2	1:16:A:LEU:HB3	4	0.93
(2,459)	1:20:A:GLN:HB2	1:16:A:LEU:HB3	12	0.93
(2,459)	1:20:A:GLN:HB2	1:16:A:LEU:HB3	16	0.93
(2,448)	1:63:A:GLU:HB2	1:36:A:VAL:HA	5	0.93
(2,448)	1:63:A:GLU:HB2	1:36:A:VAL:HA	11	0.93
(2,381)	1:18:A:PRO:HB2	1:19:A:GLN:H	13	0.93
(2,282)	1:13:A:LEU:HA	1:21:A:GLN:HA	9	0.93
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD21	9	0.93
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD22	9	0.93
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD23	9	0.93
(2,238)	1:50:A:ALA:HB1	1:52:A:LYS:HB3	1	0.93
(2,238)	1:50:A:ALA:HB2	1:52:A:LYS:HB3	1	0.93
(2,238)	1:50:A:ALA:HB3	1:52:A:LYS:HB3	1	0.93
(2,238)	1:50:A:ALA:HB1	1:52:A:LYS:HB3	8	0.93
(2,238)	1:50:A:ALA:HB2	1:52:A:LYS:HB3	8	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,238)	1:50:A:ALA:HB3	1:52:A:LYS:HB3	8	0.93
(2,216)	1:10:A:ALA:HA	1:12:A:ARG:HB2	14	0.93
(2,130)	1:7:A:THR:HB	1:8:A:ASP:H	15	0.93
(2,90)	1:4:A:SER:HA	1:5:A:ALA:H	9	0.93
(2,90)	1:4:A:SER:HA	1:5:A:ALA:H	10	0.93
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD11	8	0.93
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD12	8	0.93
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD13	8	0.93
(1,609)	1:67:A:THR:H	1:68:A:LEU:HB3	12	0.93
(1,234)	1:102:A:HIS:H	1:101:A:SER:HB2	12	0.93
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD11	1	0.93
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD12	1	0.93
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD13	1	0.93
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD11	11	0.92
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD12	11	0.92
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD13	11	0.92
(2,1880)	1:90:A:LEU:HD11	1:92:A:GLN:H	2	0.92
(2,1880)	1:90:A:LEU:HD12	1:92:A:GLN:H	2	0.92
(2,1880)	1:90:A:LEU:HD13	1:92:A:GLN:H	2	0.92
(2,1864)	1:65:A:ARG:HD3	1:66:A:ASN:HA	4	0.92
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD21	6	0.92
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD22	6	0.92
(2,1833)	1:9:A:LEU:HD21	1:94:A:LEU:HD23	6	0.92
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD21	6	0.92
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD22	6	0.92
(2,1833)	1:9:A:LEU:HD22	1:94:A:LEU:HD23	6	0.92
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD21	6	0.92
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD22	6	0.92
(2,1833)	1:9:A:LEU:HD23	1:94:A:LEU:HD23	6	0.92
(2,1818)	1:5:A:ALA:HB1	1:4:A:SER:HB2	16	0.92
(2,1818)	1:5:A:ALA:HB2	1:4:A:SER:HB2	16	0.92
(2,1818)	1:5:A:ALA:HB3	1:4:A:SER:HB2	16	0.92
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD21	14	0.92
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD22	14	0.92
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD23	14	0.92
(2,1768)	1:97:A:ARG:HG3	1:96:A:THR:HB	8	0.92
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD11	15	0.92
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD12	15	0.92
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD13	15	0.92
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD11	15	0.92
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD12	15	0.92
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD13	15	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD11	15	0.92
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD12	15	0.92
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD13	15	0.92
(2,1578)	1:89:A:ALA:HB1	1:84:A:HIS:HB3	8	0.92
(2,1578)	1:89:A:ALA:HB2	1:84:A:HIS:HB3	8	0.92
(2,1578)	1:89:A:ALA:HB3	1:84:A:HIS:HB3	8	0.92
(2,1538)	1:98:A:LEU:HB3	1:99:A:THR:H	3	0.92
(2,1518)	1:16:A:LEU:HB3	1:21:A:GLN:HG3	15	0.92
(2,1508)	1:72:A:THR:HG21	1:74:A:LEU:HB3	12	0.92
(2,1508)	1:72:A:THR:HG22	1:74:A:LEU:HB3	12	0.92
(2,1508)	1:72:A:THR:HG23	1:74:A:LEU:HB3	12	0.92
(2,1398)	1:45:A:ILE:HD11	1:39:A:HIS:HB2	1	0.92
(2,1398)	1:45:A:ILE:HD12	1:39:A:HIS:HB2	1	0.92
(2,1398)	1:45:A:ILE:HD13	1:39:A:HIS:HB2	1	0.92
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD21	3	0.92
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD22	3	0.92
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD23	3	0.92
(2,1343)	1:70:A:HIS:HA	1:73:A:GLY:HA3	8	0.92
(2,1284)	1:65:A:ARG:HB3	1:66:A:ASN:H	6	0.92
(2,1284)	1:65:A:ARG:HB3	1:66:A:ASN:H	14	0.92
(2,1268)	1:65:A:ARG:HA	1:64:A:LEU:HB2	7	0.92
(2,1268)	1:65:A:ARG:HA	1:64:A:LEU:HB2	12	0.92
(2,1259)	1:64:A:LEU:HD21	1:90:A:LEU:HD21	8	0.92
(2,1259)	1:64:A:LEU:HD21	1:90:A:LEU:HD22	8	0.92
(2,1259)	1:64:A:LEU:HD21	1:90:A:LEU:HD23	8	0.92
(2,1259)	1:64:A:LEU:HD22	1:90:A:LEU:HD21	8	0.92
(2,1259)	1:64:A:LEU:HD22	1:90:A:LEU:HD22	8	0.92
(2,1259)	1:64:A:LEU:HD22	1:90:A:LEU:HD23	8	0.92
(2,1259)	1:64:A:LEU:HD23	1:90:A:LEU:HD21	8	0.92
(2,1259)	1:64:A:LEU:HD23	1:90:A:LEU:HD22	8	0.92
(2,1259)	1:64:A:LEU:HD23	1:90:A:LEU:HD23	8	0.92
(2,1193)	1:62:A:LEU:HB3	1:65:A:ARG:HB2	3	0.92
(2,1055)	1:52:A:LYS:HG3	1:52:A:LYS:H	4	0.92
(2,1055)	1:52:A:LYS:HG3	1:52:A:LYS:H	5	0.92
(2,1020)	1:51:A:PHE:HA	1:54:A:LEU:HB2	3	0.92
(2,1020)	1:51:A:PHE:HA	1:54:A:LEU:HB2	13	0.92
(2,1011)	1:75:A:ASP:HA	1:74:A:LEU:HG	16	0.92
(2,846)	1:39:A:HIS:HD2	1:37:A:LEU:HD11	16	0.92
(2,846)	1:39:A:HIS:HD2	1:37:A:LEU:HD12	16	0.92
(2,846)	1:39:A:HIS:HD2	1:37:A:LEU:HD13	16	0.92
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG21	12	0.92
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG22	12	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,801)	1:51:A:PHE:HZ	1:29:A:VAL:HG23	12	0.92
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB1	11	0.92
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB2	11	0.92
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB3	11	0.92
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD11	4	0.92
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD12	4	0.92
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD13	4	0.92
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD11	4	0.92
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD12	4	0.92
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD13	4	0.92
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD11	4	0.92
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD12	4	0.92
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD13	4	0.92
(2,444)	1:21:A:GLN:HG3	1:21:A:GLN:H	1	0.92
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD21	8	0.92
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD22	8	0.92
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD23	8	0.92
(2,247)	1:9:A:LEU:HD11	1:12:A:ARG:HB3	5	0.92
(2,247)	1:9:A:LEU:HD12	1:12:A:ARG:HB3	5	0.92
(2,247)	1:9:A:LEU:HD13	1:12:A:ARG:HB3	5	0.92
(2,238)	1:50:A:ALA:HB1	1:52:A:LYS:HB3	3	0.92
(2,238)	1:50:A:ALA:HB2	1:52:A:LYS:HB3	3	0.92
(2,238)	1:50:A:ALA:HB3	1:52:A:LYS:HB3	3	0.92
(2,238)	1:50:A:ALA:HB1	1:52:A:LYS:HB3	11	0.92
(2,238)	1:50:A:ALA:HB2	1:52:A:LYS:HB3	11	0.92
(2,238)	1:50:A:ALA:HB3	1:52:A:LYS:HB3	11	0.92
(2,238)	1:50:A:ALA:HB1	1:52:A:LYS:HB3	13	0.92
(2,238)	1:50:A:ALA:HB2	1:52:A:LYS:HB3	13	0.92
(2,238)	1:50:A:ALA:HB3	1:52:A:LYS:HB3	13	0.92
(2,238)	1:50:A:ALA:HB1	1:52:A:LYS:HB3	14	0.92
(2,238)	1:50:A:ALA:HB2	1:52:A:LYS:HB3	14	0.92
(2,238)	1:50:A:ALA:HB3	1:52:A:LYS:HB3	14	0.92
(2,238)	1:50:A:ALA:HB1	1:52:A:LYS:HB3	16	0.92
(2,238)	1:50:A:ALA:HB2	1:52:A:LYS:HB3	16	0.92
(2,238)	1:50:A:ALA:HB3	1:52:A:LYS:HB3	16	0.92
(2,216)	1:10:A:ALA:HA	1:12:A:ARG:HB2	6	0.92
(2,130)	1:7:A:THR:HB	1:8:A:ASP:H	11	0.92
(2,130)	1:7:A:THR:HB	1:8:A:ASP:H	12	0.92
(2,128)	1:7:A:THR:HB	1:8:A:ASP:HA	4	0.92
(2,90)	1:4:A:SER:HA	1:5:A:ALA:H	14	0.92
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD11	10	0.92
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD12	10	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD13	10	0.92
(1,605)	1:43:A:GLU:H	1:42:A:PRO:HD2	1	0.92
(1,501)	1:100:A:GLN:H	1:100:A:GLN:HG3	6	0.92
(1,205)	1:48:A:ALA:H	1:47:A:PRO:HD2	14	0.92
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD21	13	0.91
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD22	13	0.91
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD23	13	0.91
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD21	13	0.91
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD22	13	0.91
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD23	13	0.91
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD21	13	0.91
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD22	13	0.91
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD23	13	0.91
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD11	13	0.91
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD12	13	0.91
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD13	13	0.91
(2,1878)	1:90:A:LEU:HD11	1:90:A:LEU:HA	10	0.91
(2,1878)	1:90:A:LEU:HD12	1:90:A:LEU:HA	10	0.91
(2,1878)	1:90:A:LEU:HD13	1:90:A:LEU:HA	10	0.91
(2,1578)	1:89:A:ALA:HB1	1:84:A:HIS:HB3	4	0.91
(2,1578)	1:89:A:ALA:HB2	1:84:A:HIS:HB3	4	0.91
(2,1578)	1:89:A:ALA:HB3	1:84:A:HIS:HB3	4	0.91
(2,1578)	1:89:A:ALA:HB1	1:84:A:HIS:HB3	7	0.91
(2,1578)	1:89:A:ALA:HB2	1:84:A:HIS:HB3	7	0.91
(2,1578)	1:89:A:ALA:HB3	1:84:A:HIS:HB3	7	0.91
(2,1518)	1:16:A:LEU:HB3	1:21:A:GLN:HG3	16	0.91
(2,1508)	1:72:A:THR:HG21	1:74:A:LEU:HB3	5	0.91
(2,1508)	1:72:A:THR:HG22	1:74:A:LEU:HB3	5	0.91
(2,1508)	1:72:A:THR:HG23	1:74:A:LEU:HB3	5	0.91
(2,1508)	1:72:A:THR:HG21	1:74:A:LEU:HB3	13	0.91
(2,1508)	1:72:A:THR:HG22	1:74:A:LEU:HB3	13	0.91
(2,1508)	1:72:A:THR:HG23	1:74:A:LEU:HB3	13	0.91
(2,1478)	1:75:A:ASP:HB2	1:74:A:LEU:HB2	7	0.91
(2,1343)	1:70:A:HIS:HA	1:73:A:GLY:HA3	3	0.91
(2,1325)	1:68:A:LEU:HG	1:65:A:ARG:HA	3	0.91
(2,1284)	1:65:A:ARG:HB3	1:66:A:ASN:H	15	0.91
(2,1284)	1:65:A:ARG:HB3	1:66:A:ASN:H	16	0.91
(2,1268)	1:65:A:ARG:HA	1:64:A:LEU:HB2	15	0.91
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD21	11	0.91
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD22	11	0.91
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD23	11	0.91
(2,1020)	1:51:A:PHE:HA	1:54:A:LEU:HB2	10	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,990)	1:67:A:THR:HG21	1:70:A:HIS:H	15	0.91
(2,990)	1:67:A:THR:HG22	1:70:A:HIS:H	15	0.91
(2,990)	1:67:A:THR:HG23	1:70:A:HIS:H	15	0.91
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB1	1	0.91
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB2	1	0.91
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB3	1	0.91
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD11	1	0.91
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD12	1	0.91
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD13	1	0.91
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD11	1	0.91
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD12	1	0.91
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD13	1	0.91
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD11	1	0.91
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD12	1	0.91
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD13	1	0.91
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD11	9	0.91
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD12	9	0.91
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD13	9	0.91
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD11	9	0.91
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD12	9	0.91
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD13	9	0.91
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD11	9	0.91
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD12	9	0.91
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD13	9	0.91
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD11	16	0.91
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD12	16	0.91
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD13	16	0.91
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD11	16	0.91
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD12	16	0.91
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD13	16	0.91
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD11	16	0.91
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD12	16	0.91
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD13	16	0.91
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG21	14	0.91
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG22	14	0.91
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG23	14	0.91
(2,585)	1:26:A:ALA:HB1	1:22:A:GLN:HB2	9	0.91
(2,585)	1:26:A:ALA:HB2	1:22:A:GLN:HB2	9	0.91
(2,585)	1:26:A:ALA:HB3	1:22:A:GLN:HB2	9	0.91
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD21	14	0.91
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD22	14	0.91
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD23	14	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD21	14	0.91
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD22	14	0.91
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD23	14	0.91
(2,459)	1:20:A:GLN:HB2	1:16:A:LEU:HB3	15	0.91
(2,381)	1:18:A:PRO:HB2	1:19:A:GLN:H	9	0.91
(2,238)	1:50:A:ALA:HB1	1:52:A:LYS:HB3	2	0.91
(2,238)	1:50:A:ALA:HB2	1:52:A:LYS:HB3	2	0.91
(2,238)	1:50:A:ALA:HB3	1:52:A:LYS:HB3	2	0.91
(2,238)	1:50:A:ALA:HB1	1:52:A:LYS:HB3	4	0.91
(2,238)	1:50:A:ALA:HB2	1:52:A:LYS:HB3	4	0.91
(2,238)	1:50:A:ALA:HB3	1:52:A:LYS:HB3	4	0.91
(2,238)	1:50:A:ALA:HB1	1:52:A:LYS:HB3	9	0.91
(2,238)	1:50:A:ALA:HB2	1:52:A:LYS:HB3	9	0.91
(2,238)	1:50:A:ALA:HB3	1:52:A:LYS:HB3	9	0.91
(2,128)	1:7:A:THR:HB	1:8:A:ASP:HA	11	0.91
(2,128)	1:7:A:THR:HB	1:8:A:ASP:HA	13	0.91
(2,90)	1:4:A:SER:HA	1:5:A:ALA:H	5	0.91
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD11	3	0.91
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD12	3	0.91
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD13	3	0.91
(1,605)	1:43:A:GLU:H	1:42:A:PRO:HD2	6	0.91
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD11	15	0.91
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD12	15	0.91
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD13	15	0.91
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD21	9	0.9
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD22	9	0.9
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD23	9	0.9
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD21	9	0.9
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD22	9	0.9
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD23	9	0.9
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD21	9	0.9
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD22	9	0.9
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD23	9	0.9
(2,1880)	1:90:A:LEU:HD11	1:92:A:GLN:H	6	0.9
(2,1880)	1:90:A:LEU:HD12	1:92:A:GLN:H	6	0.9
(2,1880)	1:90:A:LEU:HD13	1:92:A:GLN:H	6	0.9
(2,1878)	1:90:A:LEU:HD11	1:90:A:LEU:HA	1	0.9
(2,1878)	1:90:A:LEU:HD12	1:90:A:LEU:HA	1	0.9
(2,1878)	1:90:A:LEU:HD13	1:90:A:LEU:HA	1	0.9
(2,1864)	1:65:A:ARG:HD3	1:66:A:ASN:HA	8	0.9
(2,1809)	1:101:A:SER:HB2	1:100:A:GLN:H	13	0.9
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD21	3	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD22	3	0.9
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD23	3	0.9
(2,1785)	1:98:A:LEU:HD11	1:95:A:HIS:HB2	1	0.9
(2,1785)	1:98:A:LEU:HD12	1:95:A:HIS:HB2	1	0.9
(2,1785)	1:98:A:LEU:HD13	1:95:A:HIS:HB2	1	0.9
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD11	2	0.9
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD12	2	0.9
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD13	2	0.9
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD11	2	0.9
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD12	2	0.9
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD13	2	0.9
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD11	2	0.9
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD12	2	0.9
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD13	2	0.9
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD11	13	0.9
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD12	13	0.9
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD13	13	0.9
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD11	13	0.9
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD12	13	0.9
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD13	13	0.9
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD11	13	0.9
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD12	13	0.9
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD13	13	0.9
(2,1578)	1:89:A:ALA:HB1	1:84:A:HIS:HB3	1	0.9
(2,1578)	1:89:A:ALA:HB2	1:84:A:HIS:HB3	1	0.9
(2,1578)	1:89:A:ALA:HB3	1:84:A:HIS:HB3	1	0.9
(2,1578)	1:89:A:ALA:HB1	1:84:A:HIS:HB3	10	0.9
(2,1578)	1:89:A:ALA:HB2	1:84:A:HIS:HB3	10	0.9
(2,1578)	1:89:A:ALA:HB3	1:84:A:HIS:HB3	10	0.9
(2,1578)	1:89:A:ALA:HB1	1:84:A:HIS:HB3	12	0.9
(2,1578)	1:89:A:ALA:HB2	1:84:A:HIS:HB3	12	0.9
(2,1578)	1:89:A:ALA:HB3	1:84:A:HIS:HB3	12	0.9
(2,1578)	1:89:A:ALA:HB1	1:84:A:HIS:HB3	13	0.9
(2,1578)	1:89:A:ALA:HB2	1:84:A:HIS:HB3	13	0.9
(2,1578)	1:89:A:ALA:HB3	1:84:A:HIS:HB3	13	0.9
(2,1522)	1:16:A:LEU:HB2	1:13:A:LEU:HA	12	0.9
(2,1508)	1:72:A:THR:HG21	1:74:A:LEU:HB3	1	0.9
(2,1508)	1:72:A:THR:HG22	1:74:A:LEU:HB3	1	0.9
(2,1508)	1:72:A:THR:HG23	1:74:A:LEU:HB3	1	0.9
(2,1508)	1:72:A:THR:HG21	1:74:A:LEU:HB3	8	0.9
(2,1508)	1:72:A:THR:HG22	1:74:A:LEU:HB3	8	0.9
(2,1508)	1:72:A:THR:HG23	1:74:A:LEU:HB3	8	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD21	2	0.9
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD22	2	0.9
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD23	2	0.9
(2,1284)	1:65:A:ARG:HB3	1:66:A:ASN:H	4	0.9
(2,1284)	1:65:A:ARG:HB3	1:66:A:ASN:H	10	0.9
(2,1284)	1:65:A:ARG:HB3	1:66:A:ASN:H	11	0.9
(2,1268)	1:65:A:ARG:HA	1:64:A:LEU:HB2	4	0.9
(2,1228)	1:63:A:GLU:HG2	1:63:A:GLU:H	8	0.9
(2,1193)	1:62:A:LEU:HB3	1:65:A:ARG:HB2	10	0.9
(2,1055)	1:52:A:LYS:HG3	1:52:A:LYS:H	10	0.9
(2,990)	1:67:A:THR:HG21	1:70:A:HIS:H	16	0.9
(2,990)	1:67:A:THR:HG22	1:70:A:HIS:H	16	0.9
(2,990)	1:67:A:THR:HG23	1:70:A:HIS:H	16	0.9
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB1	7	0.9
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB2	7	0.9
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB3	7	0.9
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB1	14	0.9
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB2	14	0.9
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB3	14	0.9
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD11	11	0.9
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD12	11	0.9
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD13	11	0.9
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD11	11	0.9
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD12	11	0.9
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD13	11	0.9
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD11	11	0.9
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD12	11	0.9
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD13	11	0.9
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD21	5	0.9
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD22	5	0.9
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD23	5	0.9
(2,469)	1:22:A:GLN:HA	1:25:A:LEU:HA	12	0.9
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD21	13	0.9
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD22	13	0.9
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD23	13	0.9
(2,459)	1:20:A:GLN:HB2	1:16:A:LEU:HB3	11	0.9
(2,448)	1:63:A:GLU:HB2	1:36:A:VAL:HA	14	0.9
(2,320)	1:87:A:PRO:HD2	1:51:A:PHE:HA	8	0.9
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD21	16	0.9
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD22	16	0.9
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD23	16	0.9
(2,130)	1:7:A:THR:HB	1:8:A:ASP:H	10	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,128)	1:7:A:THR:HB	1:8:A:ASP:HA	2	0.9
(2,128)	1:7:A:THR:HB	1:8:A:ASP:HA	10	0.9
(2,128)	1:7:A:THR:HB	1:8:A:ASP:HA	12	0.9
(2,128)	1:7:A:THR:HB	1:8:A:ASP:HA	14	0.9
(2,90)	1:4:A:SER:HA	1:5:A:ALA:H	6	0.9
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD21	11	0.9
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD22	11	0.9
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD23	11	0.9
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD21	11	0.9
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD22	11	0.9
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD23	11	0.9
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD11	4	0.9
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD12	4	0.9
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD13	4	0.9
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD11	6	0.9
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD12	6	0.9
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD13	6	0.9
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD11	11	0.9
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD12	11	0.9
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD13	11	0.9
(1,609)	1:67:A:THR:H	1:68:A:LEU:HB3	9	0.9
(1,444)	1:75:A:ASP:H	1:74:A:LEU:HD21	3	0.9
(1,444)	1:75:A:ASP:H	1:74:A:LEU:HD22	3	0.9
(1,444)	1:75:A:ASP:H	1:74:A:LEU:HD23	3	0.9
(1,326)	1:61:A:ALA:H	1:64:A:LEU:HB3	11	0.9
(1,282)	1:14:A:ASN:HD21	1:11:A:ALA:HA	1	0.9
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD11	11	0.9
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD12	11	0.9
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD13	11	0.9
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD21	1	0.89
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD22	1	0.89
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD23	1	0.89
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD21	1	0.89
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD22	1	0.89
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD23	1	0.89
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD21	1	0.89
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD22	1	0.89
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD23	1	0.89
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD21	14	0.89
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD22	14	0.89
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD23	14	0.89
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD21	14	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD22	14	0.89
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD23	14	0.89
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD21	14	0.89
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD22	14	0.89
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD23	14	0.89
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD21	6	0.89
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD22	6	0.89
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD23	6	0.89
(2,1818)	1:5:A:ALA:HB1	1:4:A:SER:HB2	3	0.89
(2,1818)	1:5:A:ALA:HB2	1:4:A:SER:HB2	3	0.89
(2,1818)	1:5:A:ALA:HB3	1:4:A:SER:HB2	3	0.89
(2,1809)	1:101:A:SER:HB2	1:100:A:GLN:H	16	0.89
(2,1799)	1:99:A:THR:HG21	1:100:A:GLN:H	10	0.89
(2,1799)	1:99:A:THR:HG22	1:100:A:GLN:H	10	0.89
(2,1799)	1:99:A:THR:HG23	1:100:A:GLN:H	10	0.89
(2,1578)	1:89:A:ALA:HB1	1:84:A:HIS:HB3	11	0.89
(2,1578)	1:89:A:ALA:HB2	1:84:A:HIS:HB3	11	0.89
(2,1578)	1:89:A:ALA:HB3	1:84:A:HIS:HB3	11	0.89
(2,1578)	1:89:A:ALA:HB1	1:84:A:HIS:HB3	15	0.89
(2,1578)	1:89:A:ALA:HB2	1:84:A:HIS:HB3	15	0.89
(2,1578)	1:89:A:ALA:HB3	1:84:A:HIS:HB3	15	0.89
(2,1518)	1:16:A:LEU:HB3	1:21:A:GLN:HG3	6	0.89
(2,1518)	1:16:A:LEU:HB3	1:21:A:GLN:HG3	8	0.89
(2,1398)	1:45:A:ILE:HD11	1:39:A:HIS:HB2	4	0.89
(2,1398)	1:45:A:ILE:HD12	1:39:A:HIS:HB2	4	0.89
(2,1398)	1:45:A:ILE:HD13	1:39:A:HIS:HB2	4	0.89
(2,1268)	1:65:A:ARG:HA	1:64:A:LEU:HB2	5	0.89
(2,1268)	1:65:A:ARG:HA	1:64:A:LEU:HB2	6	0.89
(2,1268)	1:65:A:ARG:HA	1:64:A:LEU:HB2	14	0.89
(2,1193)	1:62:A:LEU:HB3	1:65:A:ARG:HB2	6	0.89
(2,1055)	1:52:A:LYS:HG3	1:52:A:LYS:H	13	0.89
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB1	8	0.89
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB2	8	0.89
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB3	8	0.89
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB1	10	0.89
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB2	10	0.89
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB3	10	0.89
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB1	12	0.89
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB2	12	0.89
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB3	12	0.89
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB1	13	0.89
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB2	13	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB3	13	0.89
(2,682)	1:62:A:LEU:HD11	1:78:A:PRO:HB2	8	0.89
(2,682)	1:62:A:LEU:HD12	1:78:A:PRO:HB2	8	0.89
(2,682)	1:62:A:LEU:HD13	1:78:A:PRO:HB2	8	0.89
(2,682)	1:62:A:LEU:HD11	1:78:A:PRO:HB2	16	0.89
(2,682)	1:62:A:LEU:HD12	1:78:A:PRO:HB2	16	0.89
(2,682)	1:62:A:LEU:HD13	1:78:A:PRO:HB2	16	0.89
(2,585)	1:26:A:ALA:HB1	1:22:A:GLN:HB2	16	0.89
(2,585)	1:26:A:ALA:HB2	1:22:A:GLN:HB2	16	0.89
(2,585)	1:26:A:ALA:HB3	1:22:A:GLN:HB2	16	0.89
(2,469)	1:22:A:GLN:HA	1:25:A:LEU:HA	11	0.89
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD21	5	0.89
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD22	5	0.89
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD23	5	0.89
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD21	16	0.89
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD22	16	0.89
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD23	16	0.89
(2,448)	1:63:A:GLU:HB2	1:36:A:VAL:HA	7	0.89
(2,338)	1:14:A:ASN:HB2	1:14:A:ASN:HD21	4	0.89
(2,320)	1:87:A:PRO:HD2	1:51:A:PHE:HA	9	0.89
(2,282)	1:13:A:LEU:HA	1:21:A:GLN:HA	2	0.89
(2,130)	1:7:A:THR:HB	1:8:A:ASP:H	2	0.89
(2,130)	1:7:A:THR:HB	1:8:A:ASP:H	4	0.89
(2,128)	1:7:A:THR:HB	1:8:A:ASP:HA	1	0.89
(2,90)	1:4:A:SER:HA	1:5:A:ALA:H	12	0.89
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD11	5	0.89
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD12	5	0.89
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD13	5	0.89
(1,609)	1:67:A:THR:H	1:68:A:LEU:HB3	15	0.89
(1,605)	1:43:A:GLU:H	1:42:A:PRO:HD2	4	0.89
(1,444)	1:75:A:ASP:H	1:74:A:LEU:HD21	5	0.89
(1,444)	1:75:A:ASP:H	1:74:A:LEU:HD22	5	0.89
(1,444)	1:75:A:ASP:H	1:74:A:LEU:HD23	5	0.89
(1,422)	1:66:A:ASN:HD21	1:66:A:ASN:H	16	0.89
(1,392)	1:38:A:GLY:H	1:37:A:LEU:HB2	3	0.89
(1,326)	1:61:A:ALA:H	1:64:A:LEU:HB3	3	0.89
(1,282)	1:14:A:ASN:HD21	1:11:A:ALA:HA	6	0.89
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD11	5	0.89
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD12	5	0.89
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD13	5	0.89
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD21	6	0.88
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD22	6	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD23	6	0.88
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD21	6	0.88
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD22	6	0.88
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD23	6	0.88
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD21	6	0.88
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD22	6	0.88
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD23	6	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD21	1	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD22	1	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD23	1	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD21	2	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD22	2	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD23	2	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD21	3	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD22	3	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD23	3	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD21	4	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD22	4	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD23	4	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD21	5	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD22	5	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD23	5	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD21	7	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD22	7	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD23	7	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD21	8	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD22	8	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD23	8	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD21	10	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD22	10	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD23	10	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD21	11	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD22	11	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD23	11	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD21	12	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD22	12	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD23	12	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD21	13	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD22	13	0.88
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD23	13	0.88
(2,1809)	1:101:A:SER:HB2	1:100:A:GLN:H	12	0.88
(2,1799)	1:99:A:THR:HG21	1:100:A:GLN:H	16	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1799)	1:99:A:THR:HG22	1:100:A:GLN:H	16	0.88
(2,1799)	1:99:A:THR:HG23	1:100:A:GLN:H	16	0.88
(2,1765)	1:97:A:ARG:HD3	1:97:A:ARG:HA	4	0.88
(2,1765)	1:97:A:ARG:HD3	1:97:A:ARG:HA	10	0.88
(2,1684)	1:90:A:LEU:HD21	1:91:A:THR:HA	9	0.88
(2,1684)	1:90:A:LEU:HD22	1:91:A:THR:HA	9	0.88
(2,1684)	1:90:A:LEU:HD23	1:91:A:THR:HA	9	0.88
(2,1672)	1:51:A:PHE:HZ	1:90:A:LEU:HB2	8	0.88
(2,1578)	1:89:A:ALA:HB1	1:84:A:HIS:HB3	3	0.88
(2,1578)	1:89:A:ALA:HB2	1:84:A:HIS:HB3	3	0.88
(2,1578)	1:89:A:ALA:HB3	1:84:A:HIS:HB3	3	0.88
(2,1578)	1:89:A:ALA:HB1	1:84:A:HIS:HB3	5	0.88
(2,1578)	1:89:A:ALA:HB2	1:84:A:HIS:HB3	5	0.88
(2,1578)	1:89:A:ALA:HB3	1:84:A:HIS:HB3	5	0.88
(2,1518)	1:16:A:LEU:HB3	1:21:A:GLN:HG3	9	0.88
(2,1518)	1:16:A:LEU:HB3	1:21:A:GLN:HG3	13	0.88
(2,1518)	1:16:A:LEU:HB3	1:21:A:GLN:HG3	14	0.88
(2,1429)	1:102:A:HIS:HD2	1:101:A:SER:HB2	5	0.88
(2,1343)	1:70:A:HIS:HA	1:73:A:GLY:HA3	4	0.88
(2,1343)	1:70:A:HIS:HA	1:73:A:GLY:HA3	11	0.88
(2,1284)	1:65:A:ARG:HB3	1:66:A:ASN:H	3	0.88
(2,1284)	1:65:A:ARG:HB3	1:66:A:ASN:H	13	0.88
(2,1268)	1:65:A:ARG:HA	1:64:A:LEU:HB2	1	0.88
(2,1268)	1:65:A:ARG:HA	1:64:A:LEU:HB2	13	0.88
(2,1106)	1:81:A:ILE:HG21	1:85:A:PRO:HA	4	0.88
(2,1106)	1:81:A:ILE:HG22	1:85:A:PRO:HA	4	0.88
(2,1106)	1:81:A:ILE:HG23	1:85:A:PRO:HA	4	0.88
(2,1055)	1:52:A:LYS:HG3	1:52:A:LYS:H	1	0.88
(2,1055)	1:52:A:LYS:HG3	1:52:A:LYS:H	3	0.88
(2,913)	1:43:A:GLU:HG2	1:42:A:PRO:HA	14	0.88
(2,901)	1:41:A:THR:HG21	1:40:A:HIS:HD2	16	0.88
(2,901)	1:41:A:THR:HG22	1:40:A:HIS:HD2	16	0.88
(2,901)	1:41:A:THR:HG23	1:40:A:HIS:HD2	16	0.88
(2,891)	1:41:A:THR:HB	1:43:A:GLU:H	11	0.88
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB1	16	0.88
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB2	16	0.88
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB3	16	0.88
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD11	10	0.88
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD12	10	0.88
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD13	10	0.88
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD11	10	0.88
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD12	10	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD13	10	0.88
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD11	10	0.88
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD12	10	0.88
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD13	10	0.88
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD11	13	0.88
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD12	13	0.88
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD13	13	0.88
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD11	13	0.88
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD12	13	0.88
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD13	13	0.88
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD11	13	0.88
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD12	13	0.88
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD13	13	0.88
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD11	9	0.88
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD12	9	0.88
(2,656)	1:29:A:VAL:HA	1:94:A:LEU:HD13	9	0.88
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG21	2	0.88
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG22	2	0.88
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG23	2	0.88
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG21	11	0.88
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG22	11	0.88
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG23	11	0.88
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD21	4	0.88
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD22	4	0.88
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD23	4	0.88
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD21	12	0.88
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD22	12	0.88
(2,461)	1:20:A:GLN:HB2	1:16:A:LEU:HD23	12	0.88
(2,444)	1:21:A:GLN:HG3	1:21:A:GLN:H	7	0.88
(2,444)	1:21:A:GLN:HG3	1:21:A:GLN:H	11	0.88
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD21	9	0.88
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD22	9	0.88
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD23	9	0.88
(2,381)	1:18:A:PRO:HB2	1:19:A:GLN:H	7	0.88
(2,128)	1:7:A:THR:HB	1:8:A:ASP:HA	8	0.88
(2,128)	1:7:A:THR:HB	1:8:A:ASP:HA	16	0.88
(2,90)	1:4:A:SER:HA	1:5:A:ALA:H	7	0.88
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD21	5	0.88
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD22	5	0.88
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD23	5	0.88
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD21	5	0.88
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD22	5	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD23	5	0.88
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD11	7	0.88
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD12	7	0.88
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD13	7	0.88
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD11	12	0.88
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD12	12	0.88
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD13	12	0.88
(1,609)	1:67:A:THR:H	1:68:A:LEU:HB3	2	0.88
(1,609)	1:67:A:THR:H	1:68:A:LEU:HB3	8	0.88
(1,609)	1:67:A:THR:H	1:68:A:LEU:HB3	14	0.88
(1,422)	1:66:A:ASN:HD21	1:66:A:ASN:H	4	0.88
(1,205)	1:48:A:ALA:H	1:47:A:PRO:HD2	3	0.88
(1,205)	1:48:A:ALA:H	1:47:A:PRO:HD2	11	0.88
(1,191)	1:62:A:LEU:H	1:65:A:ARG:HB2	12	0.88
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD11	13	0.88
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD12	13	0.88
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD13	13	0.88
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD21	2	0.87
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD22	2	0.87
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD23	2	0.87
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD21	2	0.87
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD22	2	0.87
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD23	2	0.87
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD21	2	0.87
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD22	2	0.87
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD23	2	0.87
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD21	5	0.87
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD22	5	0.87
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD23	5	0.87
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD21	5	0.87
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD22	5	0.87
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD23	5	0.87
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD21	5	0.87
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD22	5	0.87
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD23	5	0.87
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD21	10	0.87
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD22	10	0.87
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD23	10	0.87
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD21	10	0.87
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD22	10	0.87
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD23	10	0.87
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD21	10	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD22	10	0.87
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD23	10	0.87
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD21	12	0.87
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD22	12	0.87
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD23	12	0.87
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD21	12	0.87
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD22	12	0.87
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD23	12	0.87
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD21	12	0.87
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD22	12	0.87
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD23	12	0.87
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD11	14	0.87
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD12	14	0.87
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD13	14	0.87
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD21	9	0.87
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD22	9	0.87
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD23	9	0.87
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD21	14	0.87
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD22	14	0.87
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD23	14	0.87
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD21	15	0.87
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD22	15	0.87
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD23	15	0.87
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD21	16	0.87
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD22	16	0.87
(2,1853)	1:74:A:LEU:HG	1:74:A:LEU:HD23	16	0.87
(2,1809)	1:101:A:SER:HB2	1:100:A:GLN:H	7	0.87
(2,1799)	1:99:A:THR:HG21	1:100:A:GLN:H	11	0.87
(2,1799)	1:99:A:THR:HG22	1:100:A:GLN:H	11	0.87
(2,1799)	1:99:A:THR:HG23	1:100:A:GLN:H	11	0.87
(2,1768)	1:97:A:ARG:HG3	1:96:A:THR:HB	15	0.87
(2,1696)	1:91:A:THR:HA	1:25:A:LEU:HB3	8	0.87
(2,1624)	1:87:A:PRO:HB2	1:26:A:ALA:HA	3	0.87
(2,1578)	1:89:A:ALA:HB1	1:84:A:HIS:HB3	2	0.87
(2,1578)	1:89:A:ALA:HB2	1:84:A:HIS:HB3	2	0.87
(2,1578)	1:89:A:ALA:HB3	1:84:A:HIS:HB3	2	0.87
(2,1578)	1:89:A:ALA:HB1	1:84:A:HIS:HB3	16	0.87
(2,1578)	1:89:A:ALA:HB2	1:84:A:HIS:HB3	16	0.87
(2,1578)	1:89:A:ALA:HB3	1:84:A:HIS:HB3	16	0.87
(2,1518)	1:16:A:LEU:HB3	1:21:A:GLN:HG3	12	0.87
(2,1343)	1:70:A:HIS:HA	1:73:A:GLY:HA3	16	0.87
(2,1268)	1:65:A:ARG:HA	1:64:A:LEU:HB2	2	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD21	16	0.87
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD22	16	0.87
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD23	16	0.87
(2,1055)	1:52:A:LYS:HG3	1:52:A:LYS:H	8	0.87
(2,1020)	1:51:A:PHE:HA	1:54:A:LEU:HB2	16	0.87
(2,892)	1:43:A:GLU:HG2	1:41:A:THR:HB	1	0.87
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB1	2	0.87
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB2	2	0.87
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB3	2	0.87
(2,718)	1:30:A:ALA:HB1	1:27:A:THR:HB	9	0.87
(2,718)	1:30:A:ALA:HB2	1:27:A:THR:HB	9	0.87
(2,718)	1:30:A:ALA:HB3	1:27:A:THR:HB	9	0.87
(2,686)	1:62:A:LEU:HD11	1:66:A:ASN:HD21	16	0.87
(2,686)	1:62:A:LEU:HD12	1:66:A:ASN:HD21	16	0.87
(2,686)	1:62:A:LEU:HD13	1:66:A:ASN:HD21	16	0.87
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD11	2	0.87
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD12	2	0.87
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD13	2	0.87
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD11	2	0.87
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD12	2	0.87
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD13	2	0.87
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD11	2	0.87
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD12	2	0.87
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD13	2	0.87
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD11	15	0.87
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD12	15	0.87
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD13	15	0.87
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD11	15	0.87
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD12	15	0.87
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD13	15	0.87
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD11	15	0.87
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD12	15	0.87
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD13	15	0.87
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG21	10	0.87
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG22	10	0.87
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG23	10	0.87
(2,381)	1:18:A:PRO:HB2	1:19:A:GLN:H	10	0.87
(2,338)	1:14:A:ASN:HB2	1:14:A:ASN:HD21	1	0.87
(2,338)	1:14:A:ASN:HB2	1:14:A:ASN:HD21	6	0.87
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD21	4	0.87
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD22	4	0.87
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD23	4	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD21	6	0.87
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD22	6	0.87
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD23	6	0.87
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD21	9	0.87
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD22	9	0.87
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD23	9	0.87
(2,282)	1:13:A:LEU:HA	1:21:A:GLN:HA	4	0.87
(2,282)	1:13:A:LEU:HA	1:21:A:GLN:HA	5	0.87
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD21	7	0.87
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD22	7	0.87
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD23	7	0.87
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD21	15	0.87
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD22	15	0.87
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD23	15	0.87
(2,203)	1:72:A:THR:HA	1:9:A:LEU:HB2	13	0.87
(2,141)	1:41:A:THR:HG21	1:43:A:GLU:HG2	7	0.87
(2,141)	1:41:A:THR:HG22	1:43:A:GLU:HG2	7	0.87
(2,141)	1:41:A:THR:HG23	1:43:A:GLU:HG2	7	0.87
(2,128)	1:7:A:THR:HB	1:8:A:ASP:HA	3	0.87
(2,128)	1:7:A:THR:HB	1:8:A:ASP:HA	7	0.87
(2,128)	1:7:A:THR:HB	1:8:A:ASP:HA	9	0.87
(2,90)	1:4:A:SER:HA	1:5:A:ALA:H	1	0.87
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD11	2	0.87
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD12	2	0.87
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD13	2	0.87
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD11	15	0.87
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD12	15	0.87
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD13	15	0.87
(1,609)	1:67:A:THR:H	1:68:A:LEU:HB3	10	0.87
(1,471)	1:8:A:ASP:H	1:9:A:LEU:H	13	0.87
(1,366)	1:19:A:GLN:H	1:19:A:GLN:HG2	12	0.87
(1,205)	1:48:A:ALA:H	1:47:A:PRO:HD2	16	0.87
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD11	8	0.87
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD12	8	0.87
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD13	8	0.87
(2,1920)	1:76:A:LEU:HB2	1:76:A:LEU:H	12	0.86
(2,1864)	1:65:A:ARG:HD3	1:66:A:ASN:HA	13	0.86
(2,1838)	1:13:A:LEU:HD21	1:14:A:ASN:HA	4	0.86
(2,1838)	1:13:A:LEU:HD22	1:14:A:ASN:HA	4	0.86
(2,1838)	1:13:A:LEU:HD23	1:14:A:ASN:HA	4	0.86
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG21	4	0.86
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG22	4	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG23	4	0.86
(2,1799)	1:99:A:THR:HG21	1:100:A:GLN:H	3	0.86
(2,1799)	1:99:A:THR:HG22	1:100:A:GLN:H	3	0.86
(2,1799)	1:99:A:THR:HG23	1:100:A:GLN:H	3	0.86
(2,1799)	1:99:A:THR:HG21	1:100:A:GLN:H	7	0.86
(2,1799)	1:99:A:THR:HG22	1:100:A:GLN:H	7	0.86
(2,1799)	1:99:A:THR:HG23	1:100:A:GLN:H	7	0.86
(2,1765)	1:97:A:ARG:HD3	1:97:A:ARG:HA	15	0.86
(2,1670)	1:90:A:LEU:HB3	1:90:A:LEU:HB2	1	0.86
(2,1670)	1:90:A:LEU:HB3	1:90:A:LEU:HB2	2	0.86
(2,1670)	1:90:A:LEU:HB3	1:90:A:LEU:HB2	3	0.86
(2,1670)	1:90:A:LEU:HB3	1:90:A:LEU:HB2	4	0.86
(2,1670)	1:90:A:LEU:HB3	1:90:A:LEU:HB2	5	0.86
(2,1670)	1:90:A:LEU:HB3	1:90:A:LEU:HB2	6	0.86
(2,1670)	1:90:A:LEU:HB3	1:90:A:LEU:HB2	7	0.86
(2,1670)	1:90:A:LEU:HB3	1:90:A:LEU:HB2	10	0.86
(2,1670)	1:90:A:LEU:HB3	1:90:A:LEU:HB2	11	0.86
(2,1670)	1:90:A:LEU:HB3	1:90:A:LEU:HB2	12	0.86
(2,1670)	1:90:A:LEU:HB3	1:90:A:LEU:HB2	13	0.86
(2,1670)	1:90:A:LEU:HB3	1:90:A:LEU:HB2	14	0.86
(2,1670)	1:90:A:LEU:HB3	1:90:A:LEU:HB2	15	0.86
(2,1670)	1:90:A:LEU:HB3	1:90:A:LEU:HB2	16	0.86
(2,1578)	1:89:A:ALA:HB1	1:84:A:HIS:HB3	14	0.86
(2,1578)	1:89:A:ALA:HB2	1:84:A:HIS:HB3	14	0.86
(2,1578)	1:89:A:ALA:HB3	1:84:A:HIS:HB3	14	0.86
(2,1518)	1:16:A:LEU:HB3	1:21:A:GLN:HG3	4	0.86
(2,1518)	1:16:A:LEU:HB3	1:21:A:GLN:HG3	5	0.86
(2,1515)	1:16:A:LEU:HB3	1:16:A:LEU:HB2	1	0.86
(2,1515)	1:16:A:LEU:HB3	1:16:A:LEU:HB2	3	0.86
(2,1515)	1:16:A:LEU:HB3	1:16:A:LEU:HB2	9	0.86
(2,1515)	1:16:A:LEU:HB3	1:16:A:LEU:HB2	10	0.86
(2,1515)	1:16:A:LEU:HB3	1:16:A:LEU:HB2	11	0.86
(2,1515)	1:16:A:LEU:HB3	1:16:A:LEU:HB2	12	0.86
(2,1515)	1:16:A:LEU:HB3	1:16:A:LEU:HB2	13	0.86
(2,1515)	1:16:A:LEU:HB3	1:16:A:LEU:HB2	14	0.86
(2,1515)	1:16:A:LEU:HB3	1:16:A:LEU:HB2	15	0.86
(2,1398)	1:45:A:ILE:HD11	1:39:A:HIS:HB2	15	0.86
(2,1398)	1:45:A:ILE:HD12	1:39:A:HIS:HB2	15	0.86
(2,1398)	1:45:A:ILE:HD13	1:39:A:HIS:HB2	15	0.86
(2,1343)	1:70:A:HIS:HA	1:73:A:GLY:HA3	6	0.86
(2,1284)	1:65:A:ARG:HB3	1:66:A:ASN:H	12	0.86
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG11	1	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG12	1	0.86
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG13	1	0.86
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG11	2	0.86
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG12	2	0.86
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG13	2	0.86
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG11	10	0.86
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG12	10	0.86
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG13	10	0.86
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG11	13	0.86
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG12	13	0.86
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG13	13	0.86
(2,1212)	1:63:A:GLU:HA	1:66:A:ASN:HD21	1	0.86
(2,1193)	1:62:A:LEU:HB3	1:65:A:ARG:HB2	9	0.86
(2,1055)	1:52:A:LYS:HG3	1:52:A:LYS:H	6	0.86
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB1	5	0.86
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB2	5	0.86
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB3	5	0.86
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB1	6	0.86
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB2	6	0.86
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB3	6	0.86
(2,718)	1:30:A:ALA:HB1	1:27:A:THR:HB	5	0.86
(2,718)	1:30:A:ALA:HB2	1:27:A:THR:HB	5	0.86
(2,718)	1:30:A:ALA:HB3	1:27:A:THR:HB	5	0.86
(2,718)	1:30:A:ALA:HB1	1:27:A:THR:HB	7	0.86
(2,718)	1:30:A:ALA:HB2	1:27:A:THR:HB	7	0.86
(2,718)	1:30:A:ALA:HB3	1:27:A:THR:HB	7	0.86
(2,686)	1:62:A:LEU:HD11	1:66:A:ASN:HD21	4	0.86
(2,686)	1:62:A:LEU:HD12	1:66:A:ASN:HD21	4	0.86
(2,686)	1:62:A:LEU:HD13	1:66:A:ASN:HD21	4	0.86
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD11	3	0.86
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD12	3	0.86
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD13	3	0.86
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD11	3	0.86
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD12	3	0.86
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD13	3	0.86
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD11	3	0.86
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD12	3	0.86
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD13	3	0.86
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD11	8	0.86
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD12	8	0.86
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD13	8	0.86
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD11	8	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD12	8	0.86
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD13	8	0.86
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD11	8	0.86
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD12	8	0.86
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD13	8	0.86
(2,469)	1:22:A:GLN:HA	1:25:A:LEU:HA	9	0.86
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD21	2	0.86
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD22	2	0.86
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD23	2	0.86
(2,381)	1:18:A:PRO:HB2	1:19:A:GLN:H	1	0.86
(2,345)	1:15:A:GLY:HA2	1:15:A:GLY:H	15	0.86
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD21	1	0.86
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD22	1	0.86
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD23	1	0.86
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD21	12	0.86
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD22	12	0.86
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD23	12	0.86
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD21	16	0.86
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD22	16	0.86
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD23	16	0.86
(2,216)	1:10:A:ALA:HA	1:12:A:ARG:HB2	3	0.86
(2,216)	1:10:A:ALA:HA	1:12:A:ARG:HB2	13	0.86
(2,203)	1:72:A:THR:HA	1:9:A:LEU:HB2	6	0.86
(2,203)	1:72:A:THR:HA	1:9:A:LEU:HB2	16	0.86
(2,130)	1:7:A:THR:HB	1:8:A:ASP:H	1	0.86
(2,130)	1:7:A:THR:HB	1:8:A:ASP:H	7	0.86
(2,128)	1:7:A:THR:HB	1:8:A:ASP:HA	6	0.86
(2,90)	1:4:A:SER:HA	1:5:A:ALA:H	13	0.86
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD21	8	0.86
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD22	8	0.86
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD23	8	0.86
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD21	8	0.86
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD22	8	0.86
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD23	8	0.86
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD21	9	0.86
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD22	9	0.86
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD23	9	0.86
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD21	9	0.86
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD22	9	0.86
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD23	9	0.86
(1,609)	1:67:A:THR:H	1:68:A:LEU:HB3	1	0.86
(1,609)	1:67:A:THR:H	1:68:A:LEU:HB3	6	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,605)	1:43:A:GLU:H	1:42:A:PRO:HD2	5	0.86
(1,282)	1:14:A:ASN:HD21	1:11:A:ALA:HA	4	0.86
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD11	4	0.86
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD12	4	0.86
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD13	4	0.86
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD11	14	0.86
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD12	14	0.86
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD13	14	0.86
(2,1921)	1:76:A:LEU:HB3	1:76:A:LEU:HB2	1	0.85
(2,1921)	1:76:A:LEU:HB3	1:76:A:LEU:HB2	2	0.85
(2,1921)	1:76:A:LEU:HB3	1:76:A:LEU:HB2	3	0.85
(2,1921)	1:76:A:LEU:HB3	1:76:A:LEU:HB2	4	0.85
(2,1921)	1:76:A:LEU:HB3	1:76:A:LEU:HB2	6	0.85
(2,1921)	1:76:A:LEU:HB3	1:76:A:LEU:HB2	7	0.85
(2,1921)	1:76:A:LEU:HB3	1:76:A:LEU:HB2	8	0.85
(2,1921)	1:76:A:LEU:HB3	1:76:A:LEU:HB2	9	0.85
(2,1921)	1:76:A:LEU:HB3	1:76:A:LEU:HB2	10	0.85
(2,1921)	1:76:A:LEU:HB3	1:76:A:LEU:HB2	11	0.85
(2,1921)	1:76:A:LEU:HB3	1:76:A:LEU:HB2	12	0.85
(2,1921)	1:76:A:LEU:HB3	1:76:A:LEU:HB2	13	0.85
(2,1921)	1:76:A:LEU:HB3	1:76:A:LEU:HB2	14	0.85
(2,1921)	1:76:A:LEU:HB3	1:76:A:LEU:HB2	15	0.85
(2,1921)	1:76:A:LEU:HB3	1:76:A:LEU:HB2	16	0.85
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD11	2	0.85
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD12	2	0.85
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD13	2	0.85
(2,1871)	1:16:A:LEU:HD21	1:15:A:GLY:HA2	6	0.85
(2,1871)	1:16:A:LEU:HD22	1:15:A:GLY:HA2	6	0.85
(2,1871)	1:16:A:LEU:HD23	1:15:A:GLY:HA2	6	0.85
(2,1799)	1:99:A:THR:HG21	1:100:A:GLN:H	15	0.85
(2,1799)	1:99:A:THR:HG22	1:100:A:GLN:H	15	0.85
(2,1799)	1:99:A:THR:HG23	1:100:A:GLN:H	15	0.85
(2,1768)	1:97:A:ARG:HG3	1:96:A:THR:HB	1	0.85
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD11	14	0.85
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD12	14	0.85
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD13	14	0.85
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD11	14	0.85
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD12	14	0.85
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD13	14	0.85
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD11	14	0.85
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD12	14	0.85
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD13	14	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1670)	1:90:A:LEU:HB3	1:90:A:LEU:HB2	8	0.85
(2,1670)	1:90:A:LEU:HB3	1:90:A:LEU:HB2	9	0.85
(2,1647)	1:89:A:ALA:HB1	1:92:A:GLN:HB3	3	0.85
(2,1647)	1:89:A:ALA:HB2	1:92:A:GLN:HB3	3	0.85
(2,1647)	1:89:A:ALA:HB3	1:92:A:GLN:HB3	3	0.85
(2,1515)	1:16:A:LEU:HB3	1:16:A:LEU:HB2	2	0.85
(2,1515)	1:16:A:LEU:HB3	1:16:A:LEU:HB2	4	0.85
(2,1515)	1:16:A:LEU:HB3	1:16:A:LEU:HB2	5	0.85
(2,1515)	1:16:A:LEU:HB3	1:16:A:LEU:HB2	6	0.85
(2,1515)	1:16:A:LEU:HB3	1:16:A:LEU:HB2	7	0.85
(2,1515)	1:16:A:LEU:HB3	1:16:A:LEU:HB2	8	0.85
(2,1515)	1:16:A:LEU:HB3	1:16:A:LEU:HB2	16	0.85
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB1	7	0.85
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB2	7	0.85
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB3	7	0.85
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD21	11	0.85
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD22	11	0.85
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD23	11	0.85
(2,1343)	1:70:A:HIS:HA	1:73:A:GLY:HA3	5	0.85
(2,1343)	1:70:A:HIS:HA	1:73:A:GLY:HA3	13	0.85
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD11	13	0.85
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD12	13	0.85
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD13	13	0.85
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG11	6	0.85
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG12	6	0.85
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG13	6	0.85
(2,1193)	1:62:A:LEU:HB3	1:65:A:ARG:HB2	5	0.85
(2,923)	1:101:A:SER:HB2	1:102:A:HIS:H	8	0.85
(2,891)	1:41:A:THR:HB	1:43:A:GLU:H	14	0.85
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB1	3	0.85
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB2	3	0.85
(2,743)	1:33:A:THR:HA	1:30:A:ALA:HB3	3	0.85
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG21	3	0.85
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG22	3	0.85
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG23	3	0.85
(2,682)	1:62:A:LEU:HD11	1:78:A:PRO:HB2	4	0.85
(2,682)	1:62:A:LEU:HD12	1:78:A:PRO:HB2	4	0.85
(2,682)	1:62:A:LEU:HD13	1:78:A:PRO:HB2	4	0.85
(2,682)	1:62:A:LEU:HD11	1:78:A:PRO:HB2	5	0.85
(2,682)	1:62:A:LEU:HD12	1:78:A:PRO:HB2	5	0.85
(2,682)	1:62:A:LEU:HD13	1:78:A:PRO:HB2	5	0.85
(2,682)	1:62:A:LEU:HD11	1:78:A:PRO:HB2	10	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,682)	1:62:A:LEU:HD12	1:78:A:PRO:HB2	10	0.85
(2,682)	1:62:A:LEU:HD13	1:78:A:PRO:HB2	10	0.85
(2,585)	1:26:A:ALA:HB1	1:22:A:GLN:HB2	3	0.85
(2,585)	1:26:A:ALA:HB2	1:22:A:GLN:HB2	3	0.85
(2,585)	1:26:A:ALA:HB3	1:22:A:GLN:HB2	3	0.85
(2,585)	1:26:A:ALA:HB1	1:22:A:GLN:HB2	6	0.85
(2,585)	1:26:A:ALA:HB2	1:22:A:GLN:HB2	6	0.85
(2,585)	1:26:A:ALA:HB3	1:22:A:GLN:HB2	6	0.85
(2,585)	1:26:A:ALA:HB1	1:22:A:GLN:HB2	14	0.85
(2,585)	1:26:A:ALA:HB2	1:22:A:GLN:HB2	14	0.85
(2,585)	1:26:A:ALA:HB3	1:22:A:GLN:HB2	14	0.85
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD21	8	0.85
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD22	8	0.85
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD23	8	0.85
(2,424)	1:21:A:GLN:HB2	1:21:A:GLN:HB3	2	0.85
(2,424)	1:21:A:GLN:HB2	1:21:A:GLN:HB3	4	0.85
(2,424)	1:21:A:GLN:HB2	1:21:A:GLN:HB3	5	0.85
(2,424)	1:21:A:GLN:HB2	1:21:A:GLN:HB3	6	0.85
(2,424)	1:21:A:GLN:HB2	1:21:A:GLN:HB3	10	0.85
(2,424)	1:21:A:GLN:HB2	1:21:A:GLN:HB3	11	0.85
(2,424)	1:21:A:GLN:HB2	1:21:A:GLN:HB3	12	0.85
(2,424)	1:21:A:GLN:HB2	1:21:A:GLN:HB3	13	0.85
(2,424)	1:21:A:GLN:HB2	1:21:A:GLN:HB3	14	0.85
(2,424)	1:21:A:GLN:HB2	1:21:A:GLN:HB3	15	0.85
(2,424)	1:21:A:GLN:HB2	1:21:A:GLN:HB3	16	0.85
(2,381)	1:18:A:PRO:HB2	1:19:A:GLN:H	3	0.85
(2,381)	1:18:A:PRO:HB2	1:19:A:GLN:H	8	0.85
(2,381)	1:18:A:PRO:HB2	1:19:A:GLN:H	12	0.85
(2,345)	1:15:A:GLY:HA2	1:15:A:GLY:H	1	0.85
(2,345)	1:15:A:GLY:HA2	1:15:A:GLY:H	7	0.85
(2,338)	1:14:A:ASN:HB2	1:14:A:ASN:HD21	15	0.85
(2,338)	1:14:A:ASN:HB2	1:14:A:ASN:HD21	16	0.85
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD21	2	0.85
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD22	2	0.85
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD23	2	0.85
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD21	5	0.85
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD22	5	0.85
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD23	5	0.85
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD21	7	0.85
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD22	7	0.85
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD23	7	0.85
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD21	13	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD22	13	0.85
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD23	13	0.85
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD21	15	0.85
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD22	15	0.85
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD23	15	0.85
(2,203)	1:72:A:THR:HA	1:9:A:LEU:HB2	8	0.85
(2,191)	1:9:A:LEU:HA	1:12:A:ARG:HD3	15	0.85
(2,183)	1:12:A:ARG:HA	1:11:A:ALA:H	9	0.85
(2,141)	1:41:A:THR:HG21	1:43:A:GLU:HG2	9	0.85
(2,141)	1:41:A:THR:HG22	1:43:A:GLU:HG2	9	0.85
(2,141)	1:41:A:THR:HG23	1:43:A:GLU:HG2	9	0.85
(2,130)	1:7:A:THR:HB	1:8:A:ASP:H	6	0.85
(2,130)	1:7:A:THR:HB	1:8:A:ASP:H	14	0.85
(2,128)	1:7:A:THR:HB	1:8:A:ASP:HA	5	0.85
(2,128)	1:7:A:THR:HB	1:8:A:ASP:HA	15	0.85
(2,104)	1:5:A:ALA:HA	1:5:A:ALA:H	13	0.85
(2,90)	1:4:A:SER:HA	1:5:A:ALA:H	4	0.85
(1,609)	1:67:A:THR:H	1:68:A:LEU:HB3	4	0.85
(1,609)	1:67:A:THR:H	1:68:A:LEU:HB3	5	0.85
(1,609)	1:67:A:THR:H	1:68:A:LEU:HB3	7	0.85
(1,471)	1:8:A:ASP:H	1:9:A:LEU:H	4	0.85
(1,422)	1:66:A:ASN:HD21	1:66:A:ASN:H	7	0.85
(1,410)	1:4:A:SER:H	1:2:A:ALA:HB1	1	0.85
(1,410)	1:4:A:SER:H	1:2:A:ALA:HB2	1	0.85
(1,410)	1:4:A:SER:H	1:2:A:ALA:HB3	1	0.85
(1,366)	1:19:A:GLN:H	1:19:A:GLN:HG2	3	0.85
(1,234)	1:102:A:HIS:H	1:101:A:SER:HB2	6	0.85
(1,205)	1:48:A:ALA:H	1:47:A:PRO:HD2	4	0.85
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD11	3	0.85
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD12	3	0.85
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD13	3	0.85
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD11	7	0.85
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD12	7	0.85
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD13	7	0.85
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD11	12	0.85
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD12	12	0.85
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD13	12	0.85
(2,1921)	1:76:A:LEU:HB3	1:76:A:LEU:HB2	5	0.84
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD21	15	0.84
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD22	15	0.84
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD23	15	0.84
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD21	15	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD22	15	0.84
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD23	15	0.84
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD21	15	0.84
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD22	15	0.84
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD23	15	0.84
(2,1838)	1:13:A:LEU:HD21	1:14:A:ASN:HA	1	0.84
(2,1838)	1:13:A:LEU:HD22	1:14:A:ASN:HA	1	0.84
(2,1838)	1:13:A:LEU:HD23	1:14:A:ASN:HA	1	0.84
(2,1838)	1:13:A:LEU:HD21	1:14:A:ASN:HA	7	0.84
(2,1838)	1:13:A:LEU:HD22	1:14:A:ASN:HA	7	0.84
(2,1838)	1:13:A:LEU:HD23	1:14:A:ASN:HA	7	0.84
(2,1809)	1:101:A:SER:HB2	1:100:A:GLN:H	9	0.84
(2,1799)	1:99:A:THR:HG21	1:100:A:GLN:H	12	0.84
(2,1799)	1:99:A:THR:HG22	1:100:A:GLN:H	12	0.84
(2,1799)	1:99:A:THR:HG23	1:100:A:GLN:H	12	0.84
(2,1765)	1:97:A:ARG:HD3	1:97:A:ARG:HA	13	0.84
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD11	8	0.84
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD12	8	0.84
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD13	8	0.84
(2,1647)	1:89:A:ALA:HB1	1:92:A:GLN:HB3	13	0.84
(2,1647)	1:89:A:ALA:HB2	1:92:A:GLN:HB3	13	0.84
(2,1647)	1:89:A:ALA:HB3	1:92:A:GLN:HB3	13	0.84
(2,1624)	1:87:A:PRO:HB2	1:26:A:ALA:HA	16	0.84
(2,1518)	1:16:A:LEU:HB3	1:21:A:GLN:HG3	10	0.84
(2,1508)	1:72:A:THR:HG21	1:74:A:LEU:HB3	15	0.84
(2,1508)	1:72:A:THR:HG22	1:74:A:LEU:HB3	15	0.84
(2,1508)	1:72:A:THR:HG23	1:74:A:LEU:HB3	15	0.84
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD21	16	0.84
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD22	16	0.84
(2,1361)	1:93:A:HIS:HB3	1:90:A:LEU:HD23	16	0.84
(2,1343)	1:70:A:HIS:HA	1:73:A:GLY:HA3	15	0.84
(2,1259)	1:64:A:LEU:HD21	1:90:A:LEU:HD21	9	0.84
(2,1259)	1:64:A:LEU:HD21	1:90:A:LEU:HD22	9	0.84
(2,1259)	1:64:A:LEU:HD21	1:90:A:LEU:HD23	9	0.84
(2,1259)	1:64:A:LEU:HD22	1:90:A:LEU:HD21	9	0.84
(2,1259)	1:64:A:LEU:HD22	1:90:A:LEU:HD22	9	0.84
(2,1259)	1:64:A:LEU:HD22	1:90:A:LEU:HD23	9	0.84
(2,1259)	1:64:A:LEU:HD23	1:90:A:LEU:HD21	9	0.84
(2,1259)	1:64:A:LEU:HD23	1:90:A:LEU:HD22	9	0.84
(2,1259)	1:64:A:LEU:HD23	1:90:A:LEU:HD23	9	0.84
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG11	3	0.84
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG12	3	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG13	3	0.84
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG11	5	0.84
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG12	5	0.84
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG13	5	0.84
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG11	7	0.84
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG12	7	0.84
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG13	7	0.84
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG11	16	0.84
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG12	16	0.84
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG13	16	0.84
(2,1212)	1:63:A:GLU:HA	1:66:A:ASN:HD21	9	0.84
(2,1200)	1:62:A:LEU:HG	1:62:A:LEU:H	1	0.84
(2,1200)	1:62:A:LEU:HG	1:62:A:LEU:H	3	0.84
(2,1200)	1:62:A:LEU:HG	1:62:A:LEU:H	15	0.84
(2,1193)	1:62:A:LEU:HB3	1:65:A:ARG:HB2	2	0.84
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD21	10	0.84
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD22	10	0.84
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD23	10	0.84
(2,718)	1:30:A:ALA:HB1	1:27:A:THR:HB	2	0.84
(2,718)	1:30:A:ALA:HB2	1:27:A:THR:HB	2	0.84
(2,718)	1:30:A:ALA:HB3	1:27:A:THR:HB	2	0.84
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG21	8	0.84
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG22	8	0.84
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG23	8	0.84
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG21	9	0.84
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG22	9	0.84
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG23	9	0.84
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG21	11	0.84
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG22	11	0.84
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG23	11	0.84
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG21	13	0.84
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG22	13	0.84
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG23	13	0.84
(2,682)	1:62:A:LEU:HD11	1:78:A:PRO:HB2	12	0.84
(2,682)	1:62:A:LEU:HD12	1:78:A:PRO:HB2	12	0.84
(2,682)	1:62:A:LEU:HD13	1:78:A:PRO:HB2	12	0.84
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG21	3	0.84
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG22	3	0.84
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG23	3	0.84
(2,585)	1:26:A:ALA:HB1	1:22:A:GLN:HB2	10	0.84
(2,585)	1:26:A:ALA:HB2	1:22:A:GLN:HB2	10	0.84
(2,585)	1:26:A:ALA:HB3	1:22:A:GLN:HB2	10	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,585)	1:26:A:ALA:HB1	1:22:A:GLN:HB2	12	0.84
(2,585)	1:26:A:ALA:HB2	1:22:A:GLN:HB2	12	0.84
(2,585)	1:26:A:ALA:HB3	1:22:A:GLN:HB2	12	0.84
(2,585)	1:26:A:ALA:HB1	1:22:A:GLN:HB2	13	0.84
(2,585)	1:26:A:ALA:HB2	1:22:A:GLN:HB2	13	0.84
(2,585)	1:26:A:ALA:HB3	1:22:A:GLN:HB2	13	0.84
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD21	1	0.84
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD22	1	0.84
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD23	1	0.84
(2,454)	1:20:A:GLN:HB2	1:17:A:SER:H	15	0.84
(2,448)	1:63:A:GLU:HB2	1:36:A:VAL:HA	10	0.84
(2,448)	1:63:A:GLU:HB2	1:36:A:VAL:HA	12	0.84
(2,441)	1:21:A:GLN:HG3	1:21:A:GLN:HG2	1	0.84
(2,441)	1:21:A:GLN:HG3	1:21:A:GLN:HG2	3	0.84
(2,441)	1:21:A:GLN:HG3	1:21:A:GLN:HG2	5	0.84
(2,441)	1:21:A:GLN:HG3	1:21:A:GLN:HG2	6	0.84
(2,441)	1:21:A:GLN:HG3	1:21:A:GLN:HG2	7	0.84
(2,441)	1:21:A:GLN:HG3	1:21:A:GLN:HG2	8	0.84
(2,441)	1:21:A:GLN:HG3	1:21:A:GLN:HG2	11	0.84
(2,424)	1:21:A:GLN:HB2	1:21:A:GLN:HB3	1	0.84
(2,424)	1:21:A:GLN:HB2	1:21:A:GLN:HB3	3	0.84
(2,424)	1:21:A:GLN:HB2	1:21:A:GLN:HB3	7	0.84
(2,424)	1:21:A:GLN:HB2	1:21:A:GLN:HB3	8	0.84
(2,424)	1:21:A:GLN:HB2	1:21:A:GLN:HB3	9	0.84
(2,381)	1:18:A:PRO:HB2	1:19:A:GLN:H	14	0.84
(2,345)	1:15:A:GLY:HA2	1:15:A:GLY:H	2	0.84
(2,345)	1:15:A:GLY:HA2	1:15:A:GLY:H	5	0.84
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD21	3	0.84
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD22	3	0.84
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD23	3	0.84
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD21	10	0.84
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD22	10	0.84
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD23	10	0.84
(2,282)	1:13:A:LEU:HA	1:21:A:GLN:HA	13	0.84
(2,282)	1:13:A:LEU:HA	1:21:A:GLN:HA	16	0.84
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD21	5	0.84
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD22	5	0.84
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD23	5	0.84
(2,238)	1:50:A:ALA:HB1	1:52:A:LYS:HB3	7	0.84
(2,238)	1:50:A:ALA:HB2	1:52:A:LYS:HB3	7	0.84
(2,238)	1:50:A:ALA:HB3	1:52:A:LYS:HB3	7	0.84
(2,203)	1:72:A:THR:HA	1:9:A:LEU:HB2	5	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,183)	1:12:A:ARG:HA	1:11:A:ALA:H	5	0.84
(2,141)	1:41:A:THR:HG21	1:43:A:GLU:HG2	11	0.84
(2,141)	1:41:A:THR:HG22	1:43:A:GLU:HG2	11	0.84
(2,141)	1:41:A:THR:HG23	1:43:A:GLU:HG2	11	0.84
(2,130)	1:7:A:THR:HB	1:8:A:ASP:H	5	0.84
(2,130)	1:7:A:THR:HB	1:8:A:ASP:H	9	0.84
(2,104)	1:5:A:ALA:HA	1:5:A:ALA:H	11	0.84
(2,104)	1:5:A:ALA:HA	1:5:A:ALA:H	16	0.84
(2,31)	1:39:A:HIS:HD2	1:37:A:LEU:HB3	4	0.84
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG21	16	0.84
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG22	16	0.84
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG23	16	0.84
(1,445)	1:3:A:ALA:H	1:3:A:ALA:HA	5	0.84
(1,445)	1:3:A:ALA:H	1:3:A:ALA:HA	6	0.84
(1,445)	1:3:A:ALA:H	1:3:A:ALA:HA	8	0.84
(1,445)	1:3:A:ALA:H	1:3:A:ALA:HA	15	0.84
(1,127)	1:69:A:THR:H	1:68:A:LEU:HB2	5	0.84
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD11	2	0.84
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD12	2	0.84
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD13	2	0.84
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD11	6	0.84
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD12	6	0.84
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD13	6	0.84
(2,1920)	1:76:A:LEU:HB2	1:76:A:LEU:H	6	0.83
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD21	4	0.83
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD22	4	0.83
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD23	4	0.83
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD21	4	0.83
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD22	4	0.83
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD23	4	0.83
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD21	4	0.83
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD22	4	0.83
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD23	4	0.83
(2,1838)	1:13:A:LEU:HD21	1:14:A:ASN:HA	16	0.83
(2,1838)	1:13:A:LEU:HD22	1:14:A:ASN:HA	16	0.83
(2,1838)	1:13:A:LEU:HD23	1:14:A:ASN:HA	16	0.83
(2,1818)	1:5:A:ALA:HB1	1:4:A:SER:HB2	8	0.83
(2,1818)	1:5:A:ALA:HB2	1:4:A:SER:HB2	8	0.83
(2,1818)	1:5:A:ALA:HB3	1:4:A:SER:HB2	8	0.83
(2,1768)	1:97:A:ARG:HG3	1:96:A:THR:HB	4	0.83
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD11	3	0.83
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD12	3	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD13	3	0.83
(2,1647)	1:89:A:ALA:HB1	1:92:A:GLN:HB3	5	0.83
(2,1647)	1:89:A:ALA:HB2	1:92:A:GLN:HB3	5	0.83
(2,1647)	1:89:A:ALA:HB3	1:92:A:GLN:HB3	5	0.83
(2,1647)	1:89:A:ALA:HB1	1:92:A:GLN:HB3	6	0.83
(2,1647)	1:89:A:ALA:HB2	1:92:A:GLN:HB3	6	0.83
(2,1647)	1:89:A:ALA:HB3	1:92:A:GLN:HB3	6	0.83
(2,1647)	1:89:A:ALA:HB1	1:92:A:GLN:HB3	8	0.83
(2,1647)	1:89:A:ALA:HB2	1:92:A:GLN:HB3	8	0.83
(2,1647)	1:89:A:ALA:HB3	1:92:A:GLN:HB3	8	0.83
(2,1647)	1:89:A:ALA:HB1	1:92:A:GLN:HB3	12	0.83
(2,1647)	1:89:A:ALA:HB2	1:92:A:GLN:HB3	12	0.83
(2,1647)	1:89:A:ALA:HB3	1:92:A:GLN:HB3	12	0.83
(2,1528)	1:16:A:LEU:HB3	1:17:A:SER:H	13	0.83
(2,1343)	1:70:A:HIS:HA	1:73:A:GLY:HA3	2	0.83
(2,1343)	1:70:A:HIS:HA	1:73:A:GLY:HA3	7	0.83
(2,1343)	1:70:A:HIS:HA	1:73:A:GLY:HA3	9	0.83
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG11	4	0.83
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG12	4	0.83
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG13	4	0.83
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG11	9	0.83
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG12	9	0.83
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG13	9	0.83
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG11	12	0.83
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG12	12	0.83
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG13	12	0.83
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG11	14	0.83
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG12	14	0.83
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG13	14	0.83
(2,1200)	1:62:A:LEU:HG	1:62:A:LEU:H	2	0.83
(2,1200)	1:62:A:LEU:HG	1:62:A:LEU:H	6	0.83
(2,1200)	1:62:A:LEU:HG	1:62:A:LEU:H	13	0.83
(2,1200)	1:62:A:LEU:HG	1:62:A:LEU:H	14	0.83
(2,1193)	1:62:A:LEU:HB3	1:65:A:ARG:HB2	13	0.83
(2,1193)	1:62:A:LEU:HB3	1:65:A:ARG:HB2	14	0.83
(2,1106)	1:81:A:ILE:HG21	1:85:A:PRO:HA	16	0.83
(2,1106)	1:81:A:ILE:HG22	1:85:A:PRO:HA	16	0.83
(2,1106)	1:81:A:ILE:HG23	1:85:A:PRO:HA	16	0.83
(2,1080)	1:54:A:LEU:HD11	1:54:A:LEU:HA	2	0.83
(2,1080)	1:54:A:LEU:HD12	1:54:A:LEU:HA	2	0.83
(2,1080)	1:54:A:LEU:HD13	1:54:A:LEU:HA	2	0.83
(2,1080)	1:54:A:LEU:HD11	1:54:A:LEU:HA	3	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1080)	1:54:A:LEU:HD12	1:54:A:LEU:HA	3	0.83
(2,1080)	1:54:A:LEU:HD13	1:54:A:LEU:HA	3	0.83
(2,1080)	1:54:A:LEU:HD11	1:54:A:LEU:HA	9	0.83
(2,1080)	1:54:A:LEU:HD12	1:54:A:LEU:HA	9	0.83
(2,1080)	1:54:A:LEU:HD13	1:54:A:LEU:HA	9	0.83
(2,1080)	1:54:A:LEU:HD11	1:54:A:LEU:HA	10	0.83
(2,1080)	1:54:A:LEU:HD12	1:54:A:LEU:HA	10	0.83
(2,1080)	1:54:A:LEU:HD13	1:54:A:LEU:HA	10	0.83
(2,1080)	1:54:A:LEU:HD11	1:54:A:LEU:HA	12	0.83
(2,1080)	1:54:A:LEU:HD12	1:54:A:LEU:HA	12	0.83
(2,1080)	1:54:A:LEU:HD13	1:54:A:LEU:HA	12	0.83
(2,1080)	1:54:A:LEU:HD11	1:54:A:LEU:HA	13	0.83
(2,1080)	1:54:A:LEU:HD12	1:54:A:LEU:HA	13	0.83
(2,1080)	1:54:A:LEU:HD13	1:54:A:LEU:HA	13	0.83
(2,1080)	1:54:A:LEU:HD11	1:54:A:LEU:HA	14	0.83
(2,1080)	1:54:A:LEU:HD12	1:54:A:LEU:HA	14	0.83
(2,1080)	1:54:A:LEU:HD13	1:54:A:LEU:HA	14	0.83
(2,1055)	1:52:A:LYS:HG3	1:52:A:LYS:H	15	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG21	1	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG22	1	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG23	1	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG21	2	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG22	2	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG23	2	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG21	4	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG22	4	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG23	4	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG21	5	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG22	5	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG23	5	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG21	6	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG22	6	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG23	6	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG21	7	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG22	7	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG23	7	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG21	14	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG22	14	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG23	14	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG21	15	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG22	15	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG23	15	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG21	16	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG22	16	0.83
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG23	16	0.83
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG21	9	0.83
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG22	9	0.83
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG23	9	0.83
(2,585)	1:26:A:ALA:HB1	1:22:A:GLN:HB2	4	0.83
(2,585)	1:26:A:ALA:HB2	1:22:A:GLN:HB2	4	0.83
(2,585)	1:26:A:ALA:HB3	1:22:A:GLN:HB2	4	0.83
(2,585)	1:26:A:ALA:HB1	1:22:A:GLN:HB2	8	0.83
(2,585)	1:26:A:ALA:HB2	1:22:A:GLN:HB2	8	0.83
(2,585)	1:26:A:ALA:HB3	1:22:A:GLN:HB2	8	0.83
(2,441)	1:21:A:GLN:HG3	1:21:A:GLN:HG2	2	0.83
(2,441)	1:21:A:GLN:HG3	1:21:A:GLN:HG2	4	0.83
(2,441)	1:21:A:GLN:HG3	1:21:A:GLN:HG2	9	0.83
(2,441)	1:21:A:GLN:HG3	1:21:A:GLN:HG2	10	0.83
(2,441)	1:21:A:GLN:HG3	1:21:A:GLN:HG2	12	0.83
(2,441)	1:21:A:GLN:HG3	1:21:A:GLN:HG2	13	0.83
(2,441)	1:21:A:GLN:HG3	1:21:A:GLN:HG2	14	0.83
(2,441)	1:21:A:GLN:HG3	1:21:A:GLN:HG2	15	0.83
(2,441)	1:21:A:GLN:HG3	1:21:A:GLN:HG2	16	0.83
(2,381)	1:18:A:PRO:HB2	1:19:A:GLN:H	2	0.83
(2,345)	1:15:A:GLY:HA2	1:15:A:GLY:H	4	0.83
(2,345)	1:15:A:GLY:HA2	1:15:A:GLY:H	6	0.83
(2,345)	1:15:A:GLY:HA2	1:15:A:GLY:H	14	0.83
(2,345)	1:15:A:GLY:HA2	1:15:A:GLY:H	16	0.83
(2,338)	1:14:A:ASN:HB2	1:14:A:ASN:HD21	7	0.83
(2,320)	1:87:A:PRO:HD2	1:51:A:PHE:HA	15	0.83
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD21	8	0.83
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD22	8	0.83
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD23	8	0.83
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD21	14	0.83
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD22	14	0.83
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD23	14	0.83
(2,203)	1:72:A:THR:HA	1:9:A:LEU:HB2	7	0.83
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD11	1	0.83
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD12	1	0.83
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD13	1	0.83
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD11	9	0.83
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD12	9	0.83
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD13	9	0.83
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD11	12	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD12	12	0.83
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD13	12	0.83
(2,117)	1:6:A:ALA:HA	1:4:A:SER:HA	14	0.83
(2,104)	1:5:A:ALA:HA	1:5:A:ALA:H	2	0.83
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD11	1	0.83
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD12	1	0.83
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD13	1	0.83
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD11	9	0.83
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD12	9	0.83
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD13	9	0.83
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD11	14	0.83
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD12	14	0.83
(2,8)	1:6:A:ALA:HA	1:9:A:LEU:HD13	14	0.83
(1,609)	1:67:A:THR:H	1:68:A:LEU:HB3	16	0.83
(1,366)	1:19:A:GLN:H	1:19:A:GLN:HG2	2	0.83
(1,366)	1:19:A:GLN:H	1:19:A:GLN:HG2	6	0.83
(1,366)	1:19:A:GLN:H	1:19:A:GLN:HG2	8	0.83
(1,366)	1:19:A:GLN:H	1:19:A:GLN:HG2	16	0.83
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD11	3	0.82
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD12	3	0.82
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD13	3	0.82
(2,1749)	1:95:A:HIS:HA	1:98:A:LEU:HB3	14	0.82
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD11	1	0.82
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD12	1	0.82
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD13	1	0.82
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD11	5	0.82
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD12	5	0.82
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD13	5	0.82
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD11	11	0.82
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD12	11	0.82
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD13	11	0.82
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD11	16	0.82
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD12	16	0.82
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD13	16	0.82
(2,1696)	1:91:A:THR:HA	1:25:A:LEU:HB3	9	0.82
(2,1647)	1:89:A:ALA:HB1	1:92:A:GLN:HB3	4	0.82
(2,1647)	1:89:A:ALA:HB2	1:92:A:GLN:HB3	4	0.82
(2,1647)	1:89:A:ALA:HB3	1:92:A:GLN:HB3	4	0.82
(2,1647)	1:89:A:ALA:HB1	1:92:A:GLN:HB3	9	0.82
(2,1647)	1:89:A:ALA:HB2	1:92:A:GLN:HB3	9	0.82
(2,1647)	1:89:A:ALA:HB3	1:92:A:GLN:HB3	9	0.82
(2,1647)	1:89:A:ALA:HB1	1:92:A:GLN:HB3	15	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1647)	1:89:A:ALA:HB2	1:92:A:GLN:HB3	15	0.82
(2,1647)	1:89:A:ALA:HB3	1:92:A:GLN:HB3	15	0.82
(2,1647)	1:89:A:ALA:HB1	1:92:A:GLN:HB3	16	0.82
(2,1647)	1:89:A:ALA:HB2	1:92:A:GLN:HB3	16	0.82
(2,1647)	1:89:A:ALA:HB3	1:92:A:GLN:HB3	16	0.82
(2,1624)	1:87:A:PRO:HB2	1:26:A:ALA:HA	1	0.82
(2,1624)	1:87:A:PRO:HB2	1:26:A:ALA:HA	10	0.82
(2,1518)	1:16:A:LEU:HB3	1:21:A:GLN:HG3	2	0.82
(2,1471)	1:74:A:LEU:HB2	1:74:A:LEU:H	6	0.82
(2,1471)	1:74:A:LEU:HB2	1:74:A:LEU:H	9	0.82
(2,1343)	1:70:A:HIS:HA	1:73:A:GLY:HA3	1	0.82
(2,1343)	1:70:A:HIS:HA	1:73:A:GLY:HA3	14	0.82
(2,1298)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	4	0.82
(2,1298)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	11	0.82
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG11	15	0.82
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG12	15	0.82
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG13	15	0.82
(2,1200)	1:62:A:LEU:HG	1:62:A:LEU:H	5	0.82
(2,1200)	1:62:A:LEU:HG	1:62:A:LEU:H	8	0.82
(2,1200)	1:62:A:LEU:HG	1:62:A:LEU:H	10	0.82
(2,1200)	1:62:A:LEU:HG	1:62:A:LEU:H	12	0.82
(2,1080)	1:54:A:LEU:HD11	1:54:A:LEU:HA	1	0.82
(2,1080)	1:54:A:LEU:HD12	1:54:A:LEU:HA	1	0.82
(2,1080)	1:54:A:LEU:HD13	1:54:A:LEU:HA	1	0.82
(2,1080)	1:54:A:LEU:HD11	1:54:A:LEU:HA	4	0.82
(2,1080)	1:54:A:LEU:HD12	1:54:A:LEU:HA	4	0.82
(2,1080)	1:54:A:LEU:HD13	1:54:A:LEU:HA	4	0.82
(2,1080)	1:54:A:LEU:HD11	1:54:A:LEU:HA	5	0.82
(2,1080)	1:54:A:LEU:HD12	1:54:A:LEU:HA	5	0.82
(2,1080)	1:54:A:LEU:HD13	1:54:A:LEU:HA	5	0.82
(2,1080)	1:54:A:LEU:HD11	1:54:A:LEU:HA	6	0.82
(2,1080)	1:54:A:LEU:HD12	1:54:A:LEU:HA	6	0.82
(2,1080)	1:54:A:LEU:HD13	1:54:A:LEU:HA	6	0.82
(2,1080)	1:54:A:LEU:HD11	1:54:A:LEU:HA	7	0.82
(2,1080)	1:54:A:LEU:HD12	1:54:A:LEU:HA	7	0.82
(2,1080)	1:54:A:LEU:HD13	1:54:A:LEU:HA	7	0.82
(2,1080)	1:54:A:LEU:HD11	1:54:A:LEU:HA	8	0.82
(2,1080)	1:54:A:LEU:HD12	1:54:A:LEU:HA	8	0.82
(2,1080)	1:54:A:LEU:HD13	1:54:A:LEU:HA	8	0.82
(2,1080)	1:54:A:LEU:HD11	1:54:A:LEU:HA	11	0.82
(2,1080)	1:54:A:LEU:HD12	1:54:A:LEU:HA	11	0.82
(2,1080)	1:54:A:LEU:HD13	1:54:A:LEU:HA	11	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1080)	1:54:A:LEU:HD11	1:54:A:LEU:HA	15	0.82
(2,1080)	1:54:A:LEU:HD12	1:54:A:LEU:HA	15	0.82
(2,1080)	1:54:A:LEU:HD13	1:54:A:LEU:HA	15	0.82
(2,1080)	1:54:A:LEU:HD11	1:54:A:LEU:HA	16	0.82
(2,1080)	1:54:A:LEU:HD12	1:54:A:LEU:HA	16	0.82
(2,1080)	1:54:A:LEU:HD13	1:54:A:LEU:HA	16	0.82
(2,1064)	1:53:A:ASP:HB3	1:50:A:ALA:H	13	0.82
(2,1055)	1:52:A:LYS:HG3	1:52:A:LYS:H	12	0.82
(2,1055)	1:52:A:LYS:HG3	1:52:A:LYS:H	14	0.82
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG21	10	0.82
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG22	10	0.82
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG23	10	0.82
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG21	12	0.82
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG22	12	0.82
(2,707)	1:30:A:ALA:HA	1:29:A:VAL:HG23	12	0.82
(2,686)	1:62:A:LEU:HD11	1:66:A:ASN:HD21	7	0.82
(2,686)	1:62:A:LEU:HD12	1:66:A:ASN:HD21	7	0.82
(2,686)	1:62:A:LEU:HD13	1:66:A:ASN:HD21	7	0.82
(2,585)	1:26:A:ALA:HB1	1:22:A:GLN:HB2	2	0.82
(2,585)	1:26:A:ALA:HB2	1:22:A:GLN:HB2	2	0.82
(2,585)	1:26:A:ALA:HB3	1:22:A:GLN:HB2	2	0.82
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD21	7	0.82
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD22	7	0.82
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD23	7	0.82
(2,448)	1:63:A:GLU:HB2	1:36:A:VAL:HA	1	0.82
(2,345)	1:15:A:GLY:HA2	1:15:A:GLY:H	8	0.82
(2,345)	1:15:A:GLY:HA2	1:15:A:GLY:H	9	0.82
(2,345)	1:15:A:GLY:HA2	1:15:A:GLY:H	10	0.82
(2,345)	1:15:A:GLY:HA2	1:15:A:GLY:H	13	0.82
(2,338)	1:14:A:ASN:HB2	1:14:A:ASN:HD21	12	0.82
(2,320)	1:87:A:PRO:HD2	1:51:A:PHE:HA	5	0.82
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD21	11	0.82
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD22	11	0.82
(2,288)	1:13:A:LEU:HA	1:13:A:LEU:HD23	11	0.82
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD21	3	0.82
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD22	3	0.82
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD23	3	0.82
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD21	14	0.82
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD22	14	0.82
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD23	14	0.82
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD11	4	0.82
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD12	4	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD13	4	0.82
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD11	8	0.82
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD12	8	0.82
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD13	8	0.82
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD11	14	0.82
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD12	14	0.82
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD13	14	0.82
(2,183)	1:12:A:ARG:HA	1:11:A:ALA:H	1	0.82
(2,183)	1:12:A:ARG:HA	1:11:A:ALA:H	10	0.82
(2,183)	1:12:A:ARG:HA	1:11:A:ALA:H	14	0.82
(2,117)	1:6:A:ALA:HA	1:4:A:SER:HA	9	0.82
(2,104)	1:5:A:ALA:HA	1:5:A:ALA:H	4	0.82
(2,104)	1:5:A:ALA:HA	1:5:A:ALA:H	6	0.82
(2,104)	1:5:A:ALA:HA	1:5:A:ALA:H	12	0.82
(2,104)	1:5:A:ALA:HA	1:5:A:ALA:H	15	0.82
(2,65)	1:81:A:ILE:HD11	1:56:A:ILE:HG12	3	0.82
(2,65)	1:81:A:ILE:HD12	1:56:A:ILE:HG12	3	0.82
(2,65)	1:81:A:ILE:HD13	1:56:A:ILE:HG12	3	0.82
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD21	15	0.82
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD22	15	0.82
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD23	15	0.82
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD21	15	0.82
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD22	15	0.82
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD23	15	0.82
(2,31)	1:39:A:HIS:HD2	1:37:A:LEU:HB3	14	0.82
(1,471)	1:8:A:ASP:H	1:9:A:LEU:H	11	0.82
(1,410)	1:4:A:SER:H	1:2:A:ALA:HB1	14	0.82
(1,410)	1:4:A:SER:H	1:2:A:ALA:HB2	14	0.82
(1,410)	1:4:A:SER:H	1:2:A:ALA:HB3	14	0.82
(1,366)	1:19:A:GLN:H	1:19:A:GLN:HG2	1	0.82
(1,366)	1:19:A:GLN:H	1:19:A:GLN:HG2	9	0.82
(1,366)	1:19:A:GLN:H	1:19:A:GLN:HG2	11	0.82
(1,234)	1:102:A:HIS:H	1:101:A:SER:HB2	5	0.82
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD21	11	0.82
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD22	11	0.82
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD23	11	0.82
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD11	9	0.82
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD12	9	0.82
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD13	9	0.82
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD21	11	0.81
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD22	11	0.81
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD23	11	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD21	11	0.81
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD22	11	0.81
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD23	11	0.81
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD21	11	0.81
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD22	11	0.81
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD23	11	0.81
(2,1892)	1:90:A:LEU:HG	1:90:A:LEU:H	9	0.81
(2,1838)	1:13:A:LEU:HD21	1:14:A:ASN:HA	6	0.81
(2,1838)	1:13:A:LEU:HD22	1:14:A:ASN:HA	6	0.81
(2,1838)	1:13:A:LEU:HD23	1:14:A:ASN:HA	6	0.81
(2,1818)	1:5:A:ALA:HB1	1:4:A:SER:HB2	2	0.81
(2,1818)	1:5:A:ALA:HB2	1:4:A:SER:HB2	2	0.81
(2,1818)	1:5:A:ALA:HB3	1:4:A:SER:HB2	2	0.81
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG21	8	0.81
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG22	8	0.81
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG23	8	0.81
(2,1799)	1:99:A:THR:HG21	1:100:A:GLN:H	1	0.81
(2,1799)	1:99:A:THR:HG22	1:100:A:GLN:H	1	0.81
(2,1799)	1:99:A:THR:HG23	1:100:A:GLN:H	1	0.81
(2,1799)	1:99:A:THR:HG21	1:100:A:GLN:H	14	0.81
(2,1799)	1:99:A:THR:HG22	1:100:A:GLN:H	14	0.81
(2,1799)	1:99:A:THR:HG23	1:100:A:GLN:H	14	0.81
(2,1793)	1:100:A:GLN:HG3	1:99:A:THR:HG21	13	0.81
(2,1793)	1:100:A:GLN:HG3	1:99:A:THR:HG22	13	0.81
(2,1793)	1:100:A:GLN:HG3	1:99:A:THR:HG23	13	0.81
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD11	2	0.81
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD12	2	0.81
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD13	2	0.81
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD11	4	0.81
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD12	4	0.81
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD13	4	0.81
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD11	7	0.81
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD12	7	0.81
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD13	7	0.81
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD11	9	0.81
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD12	9	0.81
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD13	9	0.81
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD11	10	0.81
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD12	10	0.81
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD13	10	0.81
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD11	12	0.81
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD12	12	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD13	12	0.81
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD11	13	0.81
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD12	13	0.81
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD13	13	0.81
(2,1696)	1:91:A:THR:HA	1:25:A:LEU:HB3	1	0.81
(2,1696)	1:91:A:THR:HA	1:25:A:LEU:HB3	14	0.81
(2,1649)	1:89:A:ALA:HB1	1:88:A:HIS:HB2	3	0.81
(2,1649)	1:89:A:ALA:HB2	1:88:A:HIS:HB2	3	0.81
(2,1649)	1:89:A:ALA:HB3	1:88:A:HIS:HB2	3	0.81
(2,1647)	1:89:A:ALA:HB1	1:92:A:GLN:HB3	2	0.81
(2,1647)	1:89:A:ALA:HB2	1:92:A:GLN:HB3	2	0.81
(2,1647)	1:89:A:ALA:HB3	1:92:A:GLN:HB3	2	0.81
(2,1647)	1:89:A:ALA:HB1	1:92:A:GLN:HB3	7	0.81
(2,1647)	1:89:A:ALA:HB2	1:92:A:GLN:HB3	7	0.81
(2,1647)	1:89:A:ALA:HB3	1:92:A:GLN:HB3	7	0.81
(2,1549)	1:81:A:ILE:HB	1:82:A:PHE:H	15	0.81
(2,1498)	1:79:A:THR:HA	1:82:A:PHE:HB2	7	0.81
(2,1471)	1:74:A:LEU:HB2	1:74:A:LEU:H	2	0.81
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB1	1	0.81
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB2	1	0.81
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB3	1	0.81
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB1	11	0.81
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB2	11	0.81
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB3	11	0.81
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG11	11	0.81
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG12	11	0.81
(2,1221)	1:63:A:GLU:HG3	1:36:A:VAL:HG13	11	0.81
(2,1212)	1:63:A:GLU:HA	1:66:A:ASN:HD21	3	0.81
(2,1200)	1:62:A:LEU:HG	1:62:A:LEU:H	9	0.81
(2,1106)	1:81:A:ILE:HG21	1:85:A:PRO:HA	13	0.81
(2,1106)	1:81:A:ILE:HG22	1:85:A:PRO:HA	13	0.81
(2,1106)	1:81:A:ILE:HG23	1:85:A:PRO:HA	13	0.81
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD21	5	0.81
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD22	5	0.81
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD23	5	0.81
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD21	6	0.81
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD22	6	0.81
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD23	6	0.81
(2,1064)	1:53:A:ASP:HB3	1:50:A:ALA:H	7	0.81
(2,769)	1:34:A:ALA:HB1	1:42:A:PRO:HG2	5	0.81
(2,769)	1:34:A:ALA:HB2	1:42:A:PRO:HG2	5	0.81
(2,769)	1:34:A:ALA:HB3	1:42:A:PRO:HG2	5	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,585)	1:26:A:ALA:HB1	1:22:A:GLN:HB2	1	0.81
(2,585)	1:26:A:ALA:HB2	1:22:A:GLN:HB2	1	0.81
(2,585)	1:26:A:ALA:HB3	1:22:A:GLN:HB2	1	0.81
(2,585)	1:26:A:ALA:HB1	1:22:A:GLN:HB2	5	0.81
(2,585)	1:26:A:ALA:HB2	1:22:A:GLN:HB2	5	0.81
(2,585)	1:26:A:ALA:HB3	1:22:A:GLN:HB2	5	0.81
(2,454)	1:20:A:GLN:HB2	1:17:A:SER:H	5	0.81
(2,448)	1:63:A:GLU:HB2	1:36:A:VAL:HA	6	0.81
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD21	5	0.81
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD22	5	0.81
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD23	5	0.81
(2,344)	1:15:A:GLY:HA3	1:15:A:GLY:H	12	0.81
(2,338)	1:14:A:ASN:HB2	1:14:A:ASN:HD21	14	0.81
(2,282)	1:13:A:LEU:HA	1:21:A:GLN:HA	3	0.81
(2,282)	1:13:A:LEU:HA	1:21:A:GLN:HA	6	0.81
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD21	4	0.81
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD22	4	0.81
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD23	4	0.81
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD11	2	0.81
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD12	2	0.81
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD13	2	0.81
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD11	5	0.81
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD12	5	0.81
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD13	5	0.81
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD11	6	0.81
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD12	6	0.81
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD13	6	0.81
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD11	7	0.81
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD12	7	0.81
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD13	7	0.81
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD11	10	0.81
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD12	10	0.81
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD13	10	0.81
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD11	11	0.81
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD12	11	0.81
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD13	11	0.81
(2,191)	1:9:A:LEU:HA	1:12:A:ARG:HD3	7	0.81
(2,183)	1:12:A:ARG:HA	1:11:A:ALA:H	3	0.81
(2,183)	1:12:A:ARG:HA	1:11:A:ALA:H	11	0.81
(2,183)	1:12:A:ARG:HA	1:11:A:ALA:H	12	0.81
(2,183)	1:12:A:ARG:HA	1:11:A:ALA:H	13	0.81
(2,141)	1:41:A:THR:HG21	1:43:A:GLU:HG2	3	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,141)	1:41:A:THR:HG22	1:43:A:GLU:HG2	3	0.81
(2,141)	1:41:A:THR:HG23	1:43:A:GLU:HG2	3	0.81
(2,141)	1:41:A:THR:HG21	1:43:A:GLU:HG2	8	0.81
(2,141)	1:41:A:THR:HG22	1:43:A:GLU:HG2	8	0.81
(2,141)	1:41:A:THR:HG23	1:43:A:GLU:HG2	8	0.81
(1,444)	1:75:A:ASP:H	1:74:A:LEU:HD21	10	0.81
(1,444)	1:75:A:ASP:H	1:74:A:LEU:HD22	10	0.81
(1,444)	1:75:A:ASP:H	1:74:A:LEU:HD23	10	0.81
(1,390)	1:65:A:ARG:HE	1:65:A:ARG:HD3	11	0.81
(1,366)	1:19:A:GLN:H	1:19:A:GLN:HG2	13	0.81
(1,205)	1:48:A:ALA:H	1:47:A:PRO:HD2	12	0.81
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD21	15	0.81
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD22	15	0.81
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD23	15	0.81
(1,127)	1:69:A:THR:H	1:68:A:LEU:HB2	1	0.81
(1,127)	1:69:A:THR:H	1:68:A:LEU:HB2	4	0.81
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD11	4	0.8
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD12	4	0.8
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD13	4	0.8
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD11	8	0.8
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD12	8	0.8
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD13	8	0.8
(2,1864)	1:65:A:ARG:HD3	1:66:A:ASN:HA	9	0.8
(2,1838)	1:13:A:LEU:HD21	1:14:A:ASN:HA	2	0.8
(2,1838)	1:13:A:LEU:HD22	1:14:A:ASN:HA	2	0.8
(2,1838)	1:13:A:LEU:HD23	1:14:A:ASN:HA	2	0.8
(2,1798)	1:99:A:THR:HG21	1:99:A:THR:H	3	0.8
(2,1798)	1:99:A:THR:HG22	1:99:A:THR:H	3	0.8
(2,1798)	1:99:A:THR:HG23	1:99:A:THR:H	3	0.8
(2,1785)	1:98:A:LEU:HD11	1:95:A:HIS:HB2	7	0.8
(2,1785)	1:98:A:LEU:HD12	1:95:A:HIS:HB2	7	0.8
(2,1785)	1:98:A:LEU:HD13	1:95:A:HIS:HB2	7	0.8
(2,1768)	1:97:A:ARG:HG3	1:96:A:THR:HB	6	0.8
(2,1765)	1:97:A:ARG:HD3	1:97:A:ARG:HA	7	0.8
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD11	15	0.8
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD12	15	0.8
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD13	15	0.8
(2,1740)	1:94:A:LEU:HA	1:97:A:ARG:HB2	14	0.8
(2,1649)	1:89:A:ALA:HB1	1:88:A:HIS:HB2	11	0.8
(2,1649)	1:89:A:ALA:HB2	1:88:A:HIS:HB2	11	0.8
(2,1649)	1:89:A:ALA:HB3	1:88:A:HIS:HB2	11	0.8
(2,1649)	1:89:A:ALA:HB1	1:88:A:HIS:HB2	12	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1649)	1:89:A:ALA:HB2	1:88:A:HIS:HB2	12	0.8
(2,1649)	1:89:A:ALA:HB3	1:88:A:HIS:HB2	12	0.8
(2,1649)	1:89:A:ALA:HB1	1:88:A:HIS:HB2	15	0.8
(2,1649)	1:89:A:ALA:HB2	1:88:A:HIS:HB2	15	0.8
(2,1649)	1:89:A:ALA:HB3	1:88:A:HIS:HB2	15	0.8
(2,1647)	1:89:A:ALA:HB1	1:92:A:GLN:HB3	1	0.8
(2,1647)	1:89:A:ALA:HB2	1:92:A:GLN:HB3	1	0.8
(2,1647)	1:89:A:ALA:HB3	1:92:A:GLN:HB3	1	0.8
(2,1647)	1:89:A:ALA:HB1	1:92:A:GLN:HB3	10	0.8
(2,1647)	1:89:A:ALA:HB2	1:92:A:GLN:HB3	10	0.8
(2,1647)	1:89:A:ALA:HB3	1:92:A:GLN:HB3	10	0.8
(2,1645)	1:89:A:ALA:HB1	1:90:A:LEU:HB3	9	0.8
(2,1645)	1:89:A:ALA:HB2	1:90:A:LEU:HB3	9	0.8
(2,1645)	1:89:A:ALA:HB3	1:90:A:LEU:HB3	9	0.8
(2,1624)	1:87:A:PRO:HB2	1:26:A:ALA:HA	2	0.8
(2,1528)	1:16:A:LEU:HB3	1:17:A:SER:H	11	0.8
(2,1518)	1:16:A:LEU:HB3	1:21:A:GLN:HG3	11	0.8
(2,1471)	1:74:A:LEU:HB2	1:74:A:LEU:H	12	0.8
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB1	9	0.8
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB2	9	0.8
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB3	9	0.8
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB1	10	0.8
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB2	10	0.8
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB3	10	0.8
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB1	9	0.8
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB2	9	0.8
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB3	9	0.8
(2,1298)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	7	0.8
(2,1298)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	16	0.8
(2,1200)	1:62:A:LEU:HG	1:62:A:LEU:H	7	0.8
(2,1200)	1:62:A:LEU:HG	1:62:A:LEU:H	11	0.8
(2,1200)	1:62:A:LEU:HG	1:62:A:LEU:H	16	0.8
(2,1106)	1:81:A:ILE:HG21	1:85:A:PRO:HA	5	0.8
(2,1106)	1:81:A:ILE:HG22	1:85:A:PRO:HA	5	0.8
(2,1106)	1:81:A:ILE:HG23	1:85:A:PRO:HA	5	0.8
(2,1106)	1:81:A:ILE:HG21	1:85:A:PRO:HA	8	0.8
(2,1106)	1:81:A:ILE:HG22	1:85:A:PRO:HA	8	0.8
(2,1106)	1:81:A:ILE:HG23	1:85:A:PRO:HA	8	0.8
(2,1106)	1:81:A:ILE:HG21	1:85:A:PRO:HA	12	0.8
(2,1106)	1:81:A:ILE:HG22	1:85:A:PRO:HA	12	0.8
(2,1106)	1:81:A:ILE:HG23	1:85:A:PRO:HA	12	0.8
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD11	3	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD12	3	0.8
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD13	3	0.8
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD11	6	0.8
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD12	6	0.8
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD13	6	0.8
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD11	8	0.8
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD12	8	0.8
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD13	8	0.8
(2,718)	1:30:A:ALA:HB1	1:27:A:THR:HB	6	0.8
(2,718)	1:30:A:ALA:HB2	1:27:A:THR:HB	6	0.8
(2,718)	1:30:A:ALA:HB3	1:27:A:THR:HB	6	0.8
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD11	14	0.8
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD12	14	0.8
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD13	14	0.8
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD11	14	0.8
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD12	14	0.8
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD13	14	0.8
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD11	14	0.8
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD12	14	0.8
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD13	14	0.8
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD21	11	0.8
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD22	11	0.8
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD23	11	0.8
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD21	11	0.8
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD22	11	0.8
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD23	11	0.8
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD21	11	0.8
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD22	11	0.8
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD23	11	0.8
(2,534)	1:24:A:THR:HB	1:23:A:GLN:HB3	11	0.8
(2,454)	1:20:A:GLN:HB2	1:17:A:SER:H	1	0.8
(2,454)	1:20:A:GLN:HB2	1:17:A:SER:H	7	0.8
(2,381)	1:18:A:PRO:HB2	1:19:A:GLN:H	4	0.8
(2,345)	1:15:A:GLY:HA2	1:15:A:GLY:H	3	0.8
(2,345)	1:15:A:GLY:HA2	1:15:A:GLY:H	11	0.8
(2,338)	1:14:A:ASN:HB2	1:14:A:ASN:HD21	2	0.8
(2,320)	1:87:A:PRO:HD2	1:51:A:PHE:HA	1	0.8
(2,320)	1:87:A:PRO:HD2	1:51:A:PHE:HA	4	0.8
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD21	13	0.8
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD22	13	0.8
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD23	13	0.8
(2,236)	1:31:A:ALA:HB1	1:42:A:PRO:HB2	5	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,236)	1:31:A:ALA:HB2	1:42:A:PRO:HB2	5	0.8
(2,236)	1:31:A:ALA:HB3	1:42:A:PRO:HB2	5	0.8
(2,234)	1:50:A:ALA:HB1	1:51:A:PHE:HB2	1	0.8
(2,234)	1:50:A:ALA:HB2	1:51:A:PHE:HB2	1	0.8
(2,234)	1:50:A:ALA:HB3	1:51:A:PHE:HB2	1	0.8
(2,203)	1:72:A:THR:HA	1:9:A:LEU:HB2	4	0.8
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD11	13	0.8
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD12	13	0.8
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD13	13	0.8
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD11	15	0.8
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD12	15	0.8
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD13	15	0.8
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD11	16	0.8
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD12	16	0.8
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD13	16	0.8
(2,183)	1:12:A:ARG:HA	1:11:A:ALA:H	2	0.8
(2,183)	1:12:A:ARG:HA	1:11:A:ALA:H	8	0.8
(2,117)	1:6:A:ALA:HA	1:4:A:SER:HA	13	0.8
(2,104)	1:5:A:ALA:HA	1:5:A:ALA:H	7	0.8
(2,104)	1:5:A:ALA:HA	1:5:A:ALA:H	10	0.8
(2,90)	1:4:A:SER:HA	1:5:A:ALA:H	11	0.8
(2,60)	1:81:A:ILE:HD11	1:64:A:LEU:HG	11	0.8
(2,60)	1:81:A:ILE:HD12	1:64:A:LEU:HG	11	0.8
(2,60)	1:81:A:ILE:HD13	1:64:A:LEU:HG	11	0.8
(1,471)	1:8:A:ASP:H	1:9:A:LEU:H	2	0.8
(1,471)	1:8:A:ASP:H	1:9:A:LEU:H	10	0.8
(1,471)	1:8:A:ASP:H	1:9:A:LEU:H	12	0.8
(1,366)	1:19:A:GLN:H	1:19:A:GLN:HG2	14	0.8
(1,250)	1:99:A:THR:H	1:99:A:THR:HG21	3	0.8
(1,250)	1:99:A:THR:H	1:99:A:THR:HG22	3	0.8
(1,250)	1:99:A:THR:H	1:99:A:THR:HG23	3	0.8
(1,205)	1:48:A:ALA:H	1:47:A:PRO:HD2	5	0.8
(1,205)	1:48:A:ALA:H	1:47:A:PRO:HD2	15	0.8
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD21	1	0.8
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD22	1	0.8
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD23	1	0.8
(1,127)	1:69:A:THR:H	1:68:A:LEU:HB2	2	0.8
(1,127)	1:69:A:THR:H	1:68:A:LEU:HB2	6	0.8
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD11	16	0.8
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD12	16	0.8
(1,104)	1:71:A:ASN:H	1:94:A:LEU:HD13	16	0.8
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD21	16	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD22	16	0.79
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD23	16	0.79
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD21	16	0.79
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD22	16	0.79
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD23	16	0.79
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD21	16	0.79
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD22	16	0.79
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD23	16	0.79
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD11	1	0.79
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD12	1	0.79
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD13	1	0.79
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD11	16	0.79
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD12	16	0.79
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD13	16	0.79
(2,1868)	1:65:A:ARG:HD3	1:66:A:ASN:H	4	0.79
(2,1818)	1:5:A:ALA:HB1	1:4:A:SER:HB2	11	0.79
(2,1818)	1:5:A:ALA:HB2	1:4:A:SER:HB2	11	0.79
(2,1818)	1:5:A:ALA:HB3	1:4:A:SER:HB2	11	0.79
(2,1773)	1:97:A:ARG:HD2	1:100:A:GLN:H	7	0.79
(2,1768)	1:97:A:ARG:HG3	1:96:A:THR:HB	11	0.79
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD11	6	0.79
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD12	6	0.79
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD13	6	0.79
(2,1649)	1:89:A:ALA:HB1	1:88:A:HIS:HB2	1	0.79
(2,1649)	1:89:A:ALA:HB2	1:88:A:HIS:HB2	1	0.79
(2,1649)	1:89:A:ALA:HB3	1:88:A:HIS:HB2	1	0.79
(2,1649)	1:89:A:ALA:HB1	1:88:A:HIS:HB2	2	0.79
(2,1649)	1:89:A:ALA:HB2	1:88:A:HIS:HB2	2	0.79
(2,1649)	1:89:A:ALA:HB3	1:88:A:HIS:HB2	2	0.79
(2,1649)	1:89:A:ALA:HB1	1:88:A:HIS:HB2	5	0.79
(2,1649)	1:89:A:ALA:HB2	1:88:A:HIS:HB2	5	0.79
(2,1649)	1:89:A:ALA:HB3	1:88:A:HIS:HB2	5	0.79
(2,1647)	1:89:A:ALA:HB1	1:92:A:GLN:HB3	11	0.79
(2,1647)	1:89:A:ALA:HB2	1:92:A:GLN:HB3	11	0.79
(2,1647)	1:89:A:ALA:HB3	1:92:A:GLN:HB3	11	0.79
(2,1528)	1:16:A:LEU:HB3	1:17:A:SER:H	1	0.79
(2,1528)	1:16:A:LEU:HB3	1:17:A:SER:H	15	0.79
(2,1522)	1:16:A:LEU:HB2	1:13:A:LEU:HA	6	0.79
(2,1508)	1:72:A:THR:HG21	1:74:A:LEU:HB3	10	0.79
(2,1508)	1:72:A:THR:HG22	1:74:A:LEU:HB3	10	0.79
(2,1508)	1:72:A:THR:HG23	1:74:A:LEU:HB3	10	0.79
(2,1498)	1:79:A:THR:HA	1:82:A:PHE:HB2	1	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1498)	1:79:A:THR:HA	1:82:A:PHE:HB2	8	0.79
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG21	12	0.79
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG22	12	0.79
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG23	12	0.79
(2,1471)	1:74:A:LEU:HB2	1:74:A:LEU:H	14	0.79
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB1	15	0.79
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB2	15	0.79
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB3	15	0.79
(2,1200)	1:62:A:LEU:HG	1:62:A:LEU:H	4	0.79
(2,1193)	1:62:A:LEU:HB3	1:65:A:ARG:HB2	4	0.79
(2,1106)	1:81:A:ILE:HG21	1:85:A:PRO:HA	2	0.79
(2,1106)	1:81:A:ILE:HG22	1:85:A:PRO:HA	2	0.79
(2,1106)	1:81:A:ILE:HG23	1:85:A:PRO:HA	2	0.79
(2,1026)	1:51:A:PHE:HB2	1:52:A:LYS:H	2	0.79
(2,914)	1:43:A:GLU:HG2	1:43:A:GLU:H	2	0.79
(2,891)	1:41:A:THR:HB	1:43:A:GLU:H	9	0.79
(2,718)	1:30:A:ALA:HB1	1:27:A:THR:HB	10	0.79
(2,718)	1:30:A:ALA:HB2	1:27:A:THR:HB	10	0.79
(2,718)	1:30:A:ALA:HB3	1:27:A:THR:HB	10	0.79
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD21	12	0.79
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD22	12	0.79
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD23	12	0.79
(2,338)	1:14:A:ASN:HB2	1:14:A:ASN:HD21	3	0.79
(2,338)	1:14:A:ASN:HB2	1:14:A:ASN:HD21	9	0.79
(2,338)	1:14:A:ASN:HB2	1:14:A:ASN:HD21	13	0.79
(2,282)	1:13:A:LEU:HA	1:21:A:GLN:HA	12	0.79
(2,279)	1:12:A:ARG:HD3	1:12:A:ARG:HA	3	0.79
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD21	2	0.79
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD22	2	0.79
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD23	2	0.79
(2,234)	1:50:A:ALA:HB1	1:51:A:PHE:HB2	9	0.79
(2,234)	1:50:A:ALA:HB2	1:51:A:PHE:HB2	9	0.79
(2,234)	1:50:A:ALA:HB3	1:51:A:PHE:HB2	9	0.79
(2,203)	1:72:A:THR:HA	1:9:A:LEU:HB2	2	0.79
(2,183)	1:12:A:ARG:HA	1:11:A:ALA:H	4	0.79
(2,183)	1:12:A:ARG:HA	1:11:A:ALA:H	6	0.79
(2,104)	1:5:A:ALA:HA	1:5:A:ALA:H	1	0.79
(2,104)	1:5:A:ALA:HA	1:5:A:ALA:H	3	0.79
(2,104)	1:5:A:ALA:HA	1:5:A:ALA:H	9	0.79
(2,104)	1:5:A:ALA:HA	1:5:A:ALA:H	14	0.79
(2,65)	1:81:A:ILE:HD11	1:56:A:ILE:HG12	2	0.79
(2,65)	1:81:A:ILE:HD12	1:56:A:ILE:HG12	2	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,65)	1:81:A:ILE:HD13	1:56:A:ILE:HG12	2	0.79
(2,65)	1:81:A:ILE:HD11	1:56:A:ILE:HG12	8	0.79
(2,65)	1:81:A:ILE:HD12	1:56:A:ILE:HG12	8	0.79
(2,65)	1:81:A:ILE:HD13	1:56:A:ILE:HG12	8	0.79
(1,471)	1:8:A:ASP:H	1:9:A:LEU:H	1	0.79
(1,384)	1:71:A:ASN:HD21	1:71:A:ASN:H	13	0.79
(1,205)	1:48:A:ALA:H	1:47:A:PRO:HD2	9	0.79
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD21	13	0.79
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD22	13	0.79
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD23	13	0.79
(1,127)	1:69:A:THR:H	1:68:A:LEU:HB2	15	0.79
(2,1920)	1:76:A:LEU:HB2	1:76:A:LEU:H	16	0.78
(2,1798)	1:99:A:THR:HG21	1:99:A:THR:H	12	0.78
(2,1798)	1:99:A:THR:HG22	1:99:A:THR:H	12	0.78
(2,1798)	1:99:A:THR:HG23	1:99:A:THR:H	12	0.78
(2,1798)	1:99:A:THR:HG21	1:99:A:THR:H	14	0.78
(2,1798)	1:99:A:THR:HG22	1:99:A:THR:H	14	0.78
(2,1798)	1:99:A:THR:HG23	1:99:A:THR:H	14	0.78
(2,1798)	1:99:A:THR:HG21	1:99:A:THR:H	16	0.78
(2,1798)	1:99:A:THR:HG22	1:99:A:THR:H	16	0.78
(2,1798)	1:99:A:THR:HG23	1:99:A:THR:H	16	0.78
(2,1773)	1:97:A:ARG:HD2	1:100:A:GLN:H	8	0.78
(2,1764)	1:97:A:ARG:HD2	1:97:A:ARG:HA	2	0.78
(2,1749)	1:95:A:HIS:HA	1:98:A:LEU:HB3	6	0.78
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD11	14	0.78
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD12	14	0.78
(2,1742)	1:94:A:LEU:HA	1:94:A:LEU:HD13	14	0.78
(2,1649)	1:89:A:ALA:HB1	1:88:A:HIS:HB2	4	0.78
(2,1649)	1:89:A:ALA:HB2	1:88:A:HIS:HB2	4	0.78
(2,1649)	1:89:A:ALA:HB3	1:88:A:HIS:HB2	4	0.78
(2,1649)	1:89:A:ALA:HB1	1:88:A:HIS:HB2	13	0.78
(2,1649)	1:89:A:ALA:HB2	1:88:A:HIS:HB2	13	0.78
(2,1649)	1:89:A:ALA:HB3	1:88:A:HIS:HB2	13	0.78
(2,1649)	1:89:A:ALA:HB1	1:88:A:HIS:HB2	14	0.78
(2,1649)	1:89:A:ALA:HB2	1:88:A:HIS:HB2	14	0.78
(2,1649)	1:89:A:ALA:HB3	1:88:A:HIS:HB2	14	0.78
(2,1649)	1:89:A:ALA:HB1	1:88:A:HIS:HB2	16	0.78
(2,1649)	1:89:A:ALA:HB2	1:88:A:HIS:HB2	16	0.78
(2,1649)	1:89:A:ALA:HB3	1:88:A:HIS:HB2	16	0.78
(2,1647)	1:89:A:ALA:HB1	1:92:A:GLN:HB3	14	0.78
(2,1647)	1:89:A:ALA:HB2	1:92:A:GLN:HB3	14	0.78
(2,1647)	1:89:A:ALA:HB3	1:92:A:GLN:HB3	14	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1529)	1:16:A:LEU:HB3	1:21:A:GLN:H	15	0.78
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB1	11	0.78
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB2	11	0.78
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB3	11	0.78
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB1	8	0.78
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB2	8	0.78
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB3	8	0.78
(2,1298)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	13	0.78
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD21	13	0.78
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD22	13	0.78
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD23	13	0.78
(2,1064)	1:53:A:ASP:HB3	1:50:A:ALA:H	2	0.78
(2,1064)	1:53:A:ASP:HB3	1:50:A:ALA:H	5	0.78
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG21	2	0.78
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG22	2	0.78
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG23	2	0.78
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG21	14	0.78
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG22	14	0.78
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG23	14	0.78
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD21	16	0.78
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD22	16	0.78
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD23	16	0.78
(2,913)	1:43:A:GLU:HG2	1:42:A:PRO:HA	11	0.78
(2,891)	1:41:A:THR:HB	1:43:A:GLU:H	8	0.78
(2,891)	1:41:A:THR:HB	1:43:A:GLU:H	15	0.78
(2,769)	1:34:A:ALA:HB1	1:42:A:PRO:HG2	2	0.78
(2,769)	1:34:A:ALA:HB2	1:42:A:PRO:HG2	2	0.78
(2,769)	1:34:A:ALA:HB3	1:42:A:PRO:HG2	2	0.78
(2,769)	1:34:A:ALA:HB1	1:42:A:PRO:HG2	16	0.78
(2,769)	1:34:A:ALA:HB2	1:42:A:PRO:HG2	16	0.78
(2,769)	1:34:A:ALA:HB3	1:42:A:PRO:HG2	16	0.78
(2,718)	1:30:A:ALA:HB1	1:27:A:THR:HB	14	0.78
(2,718)	1:30:A:ALA:HB2	1:27:A:THR:HB	14	0.78
(2,718)	1:30:A:ALA:HB3	1:27:A:THR:HB	14	0.78
(2,682)	1:62:A:LEU:HD11	1:78:A:PRO:HB2	7	0.78
(2,682)	1:62:A:LEU:HD12	1:78:A:PRO:HB2	7	0.78
(2,682)	1:62:A:LEU:HD13	1:78:A:PRO:HB2	7	0.78
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD11	12	0.78
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD12	12	0.78
(2,674)	1:29:A:VAL:HG21	1:64:A:LEU:HD13	12	0.78
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD11	12	0.78
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD12	12	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,674)	1:29:A:VAL:HG22	1:64:A:LEU:HD13	12	0.78
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD11	12	0.78
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD12	12	0.78
(2,674)	1:29:A:VAL:HG23	1:64:A:LEU:HD13	12	0.78
(2,585)	1:26:A:ALA:HB1	1:22:A:GLN:HB2	7	0.78
(2,585)	1:26:A:ALA:HB2	1:22:A:GLN:HB2	7	0.78
(2,585)	1:26:A:ALA:HB3	1:22:A:GLN:HB2	7	0.78
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD21	4	0.78
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD22	4	0.78
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD23	4	0.78
(2,534)	1:24:A:THR:HB	1:23:A:GLN:HB3	4	0.78
(2,381)	1:18:A:PRO:HB2	1:19:A:GLN:H	15	0.78
(2,338)	1:14:A:ASN:HB2	1:14:A:ASN:HD21	10	0.78
(2,338)	1:14:A:ASN:HB2	1:14:A:ASN:HD21	11	0.78
(2,234)	1:50:A:ALA:HB1	1:51:A:PHE:HB2	8	0.78
(2,234)	1:50:A:ALA:HB2	1:51:A:PHE:HB2	8	0.78
(2,234)	1:50:A:ALA:HB3	1:51:A:PHE:HB2	8	0.78
(2,203)	1:72:A:THR:HA	1:9:A:LEU:HB2	11	0.78
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD11	3	0.78
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD12	3	0.78
(2,195)	1:25:A:LEU:HA	1:25:A:LEU:HD13	3	0.78
(2,191)	1:9:A:LEU:HA	1:12:A:ARG:HD3	16	0.78
(2,183)	1:12:A:ARG:HA	1:11:A:ALA:H	15	0.78
(2,117)	1:6:A:ALA:HA	1:4:A:SER:HA	6	0.78
(2,104)	1:5:A:ALA:HA	1:5:A:ALA:H	5	0.78
(2,104)	1:5:A:ALA:HA	1:5:A:ALA:H	8	0.78
(2,90)	1:4:A:SER:HA	1:5:A:ALA:H	2	0.78
(1,471)	1:8:A:ASP:H	1:9:A:LEU:H	8	0.78
(1,422)	1:66:A:ASN:HD21	1:66:A:ASN:H	11	0.78
(1,250)	1:99:A:THR:H	1:99:A:THR:HG21	12	0.78
(1,250)	1:99:A:THR:H	1:99:A:THR:HG22	12	0.78
(1,250)	1:99:A:THR:H	1:99:A:THR:HG23	12	0.78
(1,250)	1:99:A:THR:H	1:99:A:THR:HG21	14	0.78
(1,250)	1:99:A:THR:H	1:99:A:THR:HG22	14	0.78
(1,250)	1:99:A:THR:H	1:99:A:THR:HG23	14	0.78
(1,250)	1:99:A:THR:H	1:99:A:THR:HG21	16	0.78
(1,250)	1:99:A:THR:H	1:99:A:THR:HG22	16	0.78
(1,250)	1:99:A:THR:H	1:99:A:THR:HG23	16	0.78
(1,205)	1:48:A:ALA:H	1:47:A:PRO:HD2	13	0.78
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD21	5	0.78
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD22	5	0.78
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD23	5	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD21	16	0.78
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD22	16	0.78
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD23	16	0.78
(2,1838)	1:13:A:LEU:HD21	1:14:A:ASN:HA	14	0.77
(2,1838)	1:13:A:LEU:HD22	1:14:A:ASN:HA	14	0.77
(2,1838)	1:13:A:LEU:HD23	1:14:A:ASN:HA	14	0.77
(2,1782)	1:98:A:LEU:HD21	1:98:A:LEU:HA	9	0.77
(2,1782)	1:98:A:LEU:HD22	1:98:A:LEU:HA	9	0.77
(2,1782)	1:98:A:LEU:HD23	1:98:A:LEU:HA	9	0.77
(2,1768)	1:97:A:ARG:HG3	1:96:A:THR:HB	9	0.77
(2,1749)	1:95:A:HIS:HA	1:98:A:LEU:HB3	13	0.77
(2,1649)	1:89:A:ALA:HB1	1:88:A:HIS:HB2	7	0.77
(2,1649)	1:89:A:ALA:HB2	1:88:A:HIS:HB2	7	0.77
(2,1649)	1:89:A:ALA:HB3	1:88:A:HIS:HB2	7	0.77
(2,1649)	1:89:A:ALA:HB1	1:88:A:HIS:HB2	8	0.77
(2,1649)	1:89:A:ALA:HB2	1:88:A:HIS:HB2	8	0.77
(2,1649)	1:89:A:ALA:HB3	1:88:A:HIS:HB2	8	0.77
(2,1649)	1:89:A:ALA:HB1	1:88:A:HIS:HB2	9	0.77
(2,1649)	1:89:A:ALA:HB2	1:88:A:HIS:HB2	9	0.77
(2,1649)	1:89:A:ALA:HB3	1:88:A:HIS:HB2	9	0.77
(2,1649)	1:89:A:ALA:HB1	1:88:A:HIS:HB2	10	0.77
(2,1649)	1:89:A:ALA:HB2	1:88:A:HIS:HB2	10	0.77
(2,1649)	1:89:A:ALA:HB3	1:88:A:HIS:HB2	10	0.77
(2,1549)	1:81:A:ILE:HB	1:82:A:PHE:H	1	0.77
(2,1549)	1:81:A:ILE:HB	1:82:A:PHE:H	7	0.77
(2,1518)	1:16:A:LEU:HB3	1:21:A:GLN:HG3	3	0.77
(2,1471)	1:74:A:LEU:HB2	1:74:A:LEU:H	7	0.77
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB1	1	0.77
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB2	1	0.77
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB3	1	0.77
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB1	15	0.77
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB2	15	0.77
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB3	15	0.77
(2,1369)	1:97:A:ARG:HB2	1:97:A:ARG:H	7	0.77
(2,1298)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	6	0.77
(2,1298)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	8	0.77
(2,1298)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	12	0.77
(2,1298)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	14	0.77
(2,1212)	1:63:A:GLU:HA	1:66:A:ASN:HD21	6	0.77
(2,1193)	1:62:A:LEU:HB3	1:65:A:ARG:HB2	8	0.77
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD11	5	0.77
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD12	5	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD13	5	0.77
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD21	8	0.77
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD22	8	0.77
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD23	8	0.77
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD21	9	0.77
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD22	9	0.77
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD23	9	0.77
(2,1064)	1:53:A:ASP:HB3	1:50:A:ALA:H	12	0.77
(2,1026)	1:51:A:PHE:HB2	1:52:A:LYS:H	11	0.77
(2,1026)	1:51:A:PHE:HB2	1:52:A:LYS:H	16	0.77
(2,769)	1:34:A:ALA:HB1	1:42:A:PRO:HG2	3	0.77
(2,769)	1:34:A:ALA:HB2	1:42:A:PRO:HG2	3	0.77
(2,769)	1:34:A:ALA:HB3	1:42:A:PRO:HG2	3	0.77
(2,534)	1:24:A:THR:HB	1:23:A:GLN:HB3	12	0.77
(2,448)	1:63:A:GLU:HB2	1:36:A:VAL:HA	13	0.77
(2,358)	1:16:A:LEU:HD21	1:13:A:LEU:HA	11	0.77
(2,358)	1:16:A:LEU:HD22	1:13:A:LEU:HA	11	0.77
(2,358)	1:16:A:LEU:HD23	1:13:A:LEU:HA	11	0.77
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB1	2	0.77
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB2	2	0.77
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB3	2	0.77
(2,234)	1:50:A:ALA:HB1	1:51:A:PHE:HB2	15	0.77
(2,234)	1:50:A:ALA:HB2	1:51:A:PHE:HB2	15	0.77
(2,234)	1:50:A:ALA:HB3	1:51:A:PHE:HB2	15	0.77
(2,203)	1:72:A:THR:HA	1:9:A:LEU:HB2	14	0.77
(2,183)	1:12:A:ARG:HA	1:11:A:ALA:H	16	0.77
(2,117)	1:6:A:ALA:HA	1:4:A:SER:HA	10	0.77
(2,105)	1:5:A:ALA:HB1	1:3:A:ALA:HA	11	0.77
(2,105)	1:5:A:ALA:HB2	1:3:A:ALA:HA	11	0.77
(2,105)	1:5:A:ALA:HB3	1:3:A:ALA:HA	11	0.77
(2,92)	1:4:A:SER:HA	1:3:A:ALA:HB1	4	0.77
(2,92)	1:4:A:SER:HA	1:3:A:ALA:HB2	4	0.77
(2,92)	1:4:A:SER:HA	1:3:A:ALA:HB3	4	0.77
(2,92)	1:4:A:SER:HA	1:3:A:ALA:HB1	10	0.77
(2,92)	1:4:A:SER:HA	1:3:A:ALA:HB2	10	0.77
(2,92)	1:4:A:SER:HA	1:3:A:ALA:HB3	10	0.77
(2,90)	1:4:A:SER:HA	1:5:A:ALA:H	15	0.77
(1,471)	1:8:A:ASP:H	1:9:A:LEU:H	7	0.77
(1,471)	1:8:A:ASP:H	1:9:A:LEU:H	14	0.77
(1,471)	1:8:A:ASP:H	1:9:A:LEU:H	16	0.77
(1,469)	1:8:A:ASP:H	1:7:A:THR:HB	3	0.77
(1,469)	1:8:A:ASP:H	1:7:A:THR:HB	16	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,389)	1:65:A:ARG:HE	1:65:A:ARG:HG2	4	0.77
(1,389)	1:65:A:ARG:HE	1:65:A:ARG:HG2	14	0.77
(1,384)	1:71:A:ASN:HD21	1:71:A:ASN:H	11	0.77
(1,254)	1:79:A:THR:H	1:78:A:PRO:HB3	15	0.77
(1,127)	1:69:A:THR:H	1:68:A:LEU:HB2	8	0.77
(2,1920)	1:76:A:LEU:HB2	1:76:A:LEU:H	3	0.76
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD21	8	0.76
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD22	8	0.76
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD23	8	0.76
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD21	8	0.76
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD22	8	0.76
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD23	8	0.76
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD21	8	0.76
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD22	8	0.76
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD23	8	0.76
(2,1838)	1:13:A:LEU:HD21	1:14:A:ASN:HA	9	0.76
(2,1838)	1:13:A:LEU:HD22	1:14:A:ASN:HA	9	0.76
(2,1838)	1:13:A:LEU:HD23	1:14:A:ASN:HA	9	0.76
(2,1838)	1:13:A:LEU:HD21	1:14:A:ASN:HA	15	0.76
(2,1838)	1:13:A:LEU:HD22	1:14:A:ASN:HA	15	0.76
(2,1838)	1:13:A:LEU:HD23	1:14:A:ASN:HA	15	0.76
(2,1798)	1:99:A:THR:HG21	1:99:A:THR:H	10	0.76
(2,1798)	1:99:A:THR:HG22	1:99:A:THR:H	10	0.76
(2,1798)	1:99:A:THR:HG23	1:99:A:THR:H	10	0.76
(2,1749)	1:95:A:HIS:HA	1:98:A:LEU:HB3	1	0.76
(2,1749)	1:95:A:HIS:HA	1:98:A:LEU:HB3	4	0.76
(2,1696)	1:91:A:THR:HA	1:25:A:LEU:HB3	3	0.76
(2,1684)	1:90:A:LEU:HD21	1:91:A:THR:HA	1	0.76
(2,1684)	1:90:A:LEU:HD22	1:91:A:THR:HA	1	0.76
(2,1684)	1:90:A:LEU:HD23	1:91:A:THR:HA	1	0.76
(2,1675)	1:90:A:LEU:HB2	1:90:A:LEU:H	5	0.76
(2,1675)	1:90:A:LEU:HB2	1:90:A:LEU:H	6	0.76
(2,1675)	1:90:A:LEU:HB2	1:90:A:LEU:H	13	0.76
(2,1675)	1:90:A:LEU:HB2	1:90:A:LEU:H	14	0.76
(2,1675)	1:90:A:LEU:HB2	1:90:A:LEU:H	15	0.76
(2,1649)	1:89:A:ALA:HB1	1:88:A:HIS:HB2	6	0.76
(2,1649)	1:89:A:ALA:HB2	1:88:A:HIS:HB2	6	0.76
(2,1649)	1:89:A:ALA:HB3	1:88:A:HIS:HB2	6	0.76
(2,1645)	1:89:A:ALA:HB1	1:90:A:LEU:HB3	8	0.76
(2,1645)	1:89:A:ALA:HB2	1:90:A:LEU:HB3	8	0.76
(2,1645)	1:89:A:ALA:HB3	1:90:A:LEU:HB3	8	0.76
(2,1614)	1:87:A:PRO:HA	1:51:A:PHE:HZ	8	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1549)	1:81:A:ILE:HB	1:82:A:PHE:H	16	0.76
(2,1539)	1:98:A:LEU:HB2	1:99:A:THR:H	3	0.76
(2,1528)	1:16:A:LEU:HB3	1:17:A:SER:H	8	0.76
(2,1528)	1:16:A:LEU:HB3	1:17:A:SER:H	12	0.76
(2,1478)	1:75:A:ASP:HB2	1:74:A:LEU:HB2	9	0.76
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB1	5	0.76
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB2	5	0.76
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB3	5	0.76
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB1	3	0.76
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB2	3	0.76
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB3	3	0.76
(2,1369)	1:97:A:ARG:HB2	1:97:A:ARG:H	4	0.76
(2,1298)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	1	0.76
(2,1298)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	5	0.76
(2,1298)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	9	0.76
(2,1298)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	10	0.76
(2,1192)	1:62:A:LEU:HB2	1:65:A:ARG:HB2	12	0.76
(2,1106)	1:81:A:ILE:HG21	1:85:A:PRO:HA	6	0.76
(2,1106)	1:81:A:ILE:HG22	1:85:A:PRO:HA	6	0.76
(2,1106)	1:81:A:ILE:HG23	1:85:A:PRO:HA	6	0.76
(2,1064)	1:53:A:ASP:HB3	1:50:A:ALA:H	11	0.76
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG21	5	0.76
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG22	5	0.76
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG23	5	0.76
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG21	8	0.76
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG22	8	0.76
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG23	8	0.76
(2,1026)	1:51:A:PHE:HB2	1:52:A:LYS:H	3	0.76
(2,1026)	1:51:A:PHE:HB2	1:52:A:LYS:H	5	0.76
(2,1026)	1:51:A:PHE:HB2	1:52:A:LYS:H	7	0.76
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB1	14	0.76
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB2	14	0.76
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB3	14	0.76
(2,923)	1:101:A:SER:HB2	1:102:A:HIS:H	16	0.76
(2,894)	1:41:A:THR:HB	1:43:A:GLU:HB2	2	0.76
(2,891)	1:41:A:THR:HB	1:43:A:GLU:H	3	0.76
(2,769)	1:34:A:ALA:HB1	1:42:A:PRO:HG2	1	0.76
(2,769)	1:34:A:ALA:HB2	1:42:A:PRO:HG2	1	0.76
(2,769)	1:34:A:ALA:HB3	1:42:A:PRO:HG2	1	0.76
(2,769)	1:34:A:ALA:HB1	1:42:A:PRO:HG2	6	0.76
(2,769)	1:34:A:ALA:HB2	1:42:A:PRO:HG2	6	0.76
(2,769)	1:34:A:ALA:HB3	1:42:A:PRO:HG2	6	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,769)	1:34:A:ALA:HB1	1:42:A:PRO:HG2	9	0.76
(2,769)	1:34:A:ALA:HB2	1:42:A:PRO:HG2	9	0.76
(2,769)	1:34:A:ALA:HB3	1:42:A:PRO:HG2	9	0.76
(2,718)	1:30:A:ALA:HB1	1:27:A:THR:HB	1	0.76
(2,718)	1:30:A:ALA:HB2	1:27:A:THR:HB	1	0.76
(2,718)	1:30:A:ALA:HB3	1:27:A:THR:HB	1	0.76
(2,718)	1:30:A:ALA:HB1	1:27:A:THR:HB	3	0.76
(2,718)	1:30:A:ALA:HB2	1:27:A:THR:HB	3	0.76
(2,718)	1:30:A:ALA:HB3	1:27:A:THR:HB	3	0.76
(2,718)	1:30:A:ALA:HB1	1:27:A:THR:HB	4	0.76
(2,718)	1:30:A:ALA:HB2	1:27:A:THR:HB	4	0.76
(2,718)	1:30:A:ALA:HB3	1:27:A:THR:HB	4	0.76
(2,718)	1:30:A:ALA:HB1	1:27:A:THR:HB	16	0.76
(2,718)	1:30:A:ALA:HB2	1:27:A:THR:HB	16	0.76
(2,718)	1:30:A:ALA:HB3	1:27:A:THR:HB	16	0.76
(2,686)	1:62:A:LEU:HD11	1:66:A:ASN:HD21	11	0.76
(2,686)	1:62:A:LEU:HD12	1:66:A:ASN:HD21	11	0.76
(2,686)	1:62:A:LEU:HD13	1:66:A:ASN:HD21	11	0.76
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD21	14	0.76
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD22	14	0.76
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD23	14	0.76
(2,534)	1:24:A:THR:HB	1:23:A:GLN:HB3	6	0.76
(2,448)	1:63:A:GLU:HB2	1:36:A:VAL:HA	15	0.76
(2,381)	1:18:A:PRO:HB2	1:19:A:GLN:H	5	0.76
(2,358)	1:16:A:LEU:HD21	1:13:A:LEU:HA	6	0.76
(2,358)	1:16:A:LEU:HD22	1:13:A:LEU:HA	6	0.76
(2,358)	1:16:A:LEU:HD23	1:13:A:LEU:HA	6	0.76
(2,338)	1:14:A:ASN:HB2	1:14:A:ASN:HD21	8	0.76
(2,279)	1:12:A:ARG:HD3	1:12:A:ARG:HA	5	0.76
(2,279)	1:12:A:ARG:HD3	1:12:A:ARG:HA	14	0.76
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB1	6	0.76
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB2	6	0.76
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB3	6	0.76
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB1	7	0.76
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB2	7	0.76
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB3	7	0.76
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD21	1	0.76
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD22	1	0.76
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD23	1	0.76
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD21	12	0.76
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD22	12	0.76
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD23	12	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,234)	1:50:A:ALA:HB1	1:51:A:PHE:HB2	5	0.76
(2,234)	1:50:A:ALA:HB2	1:51:A:PHE:HB2	5	0.76
(2,234)	1:50:A:ALA:HB3	1:51:A:PHE:HB2	5	0.76
(2,203)	1:72:A:THR:HA	1:9:A:LEU:HB2	9	0.76
(2,183)	1:12:A:ARG:HA	1:11:A:ALA:H	7	0.76
(2,117)	1:6:A:ALA:HA	1:4:A:SER:HA	12	0.76
(2,101)	1:5:A:ALA:HA	1:8:A:ASP:HB2	4	0.76
(2,60)	1:81:A:ILE:HD11	1:64:A:LEU:HG	15	0.76
(2,60)	1:81:A:ILE:HD12	1:64:A:LEU:HG	15	0.76
(2,60)	1:81:A:ILE:HD13	1:64:A:LEU:HG	15	0.76
(1,471)	1:8:A:ASP:H	1:9:A:LEU:H	3	0.76
(1,444)	1:75:A:ASP:H	1:74:A:LEU:HD21	16	0.76
(1,444)	1:75:A:ASP:H	1:74:A:LEU:HD22	16	0.76
(1,444)	1:75:A:ASP:H	1:74:A:LEU:HD23	16	0.76
(1,254)	1:79:A:THR:H	1:78:A:PRO:HB3	1	0.76
(1,250)	1:99:A:THR:H	1:99:A:THR:HG21	10	0.76
(1,250)	1:99:A:THR:H	1:99:A:THR:HG22	10	0.76
(1,250)	1:99:A:THR:H	1:99:A:THR:HG23	10	0.76
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD21	9	0.76
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD22	9	0.76
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD23	9	0.76
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD21	11	0.76
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD22	11	0.76
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD23	11	0.76
(1,191)	1:62:A:LEU:H	1:65:A:ARG:HB2	10	0.76
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD21	7	0.76
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD22	7	0.76
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD23	7	0.76
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD21	3	0.75
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD22	3	0.75
(2,1900)	1:81:A:ILE:HG21	1:64:A:LEU:HD23	3	0.75
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD21	3	0.75
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD22	3	0.75
(2,1900)	1:81:A:ILE:HG22	1:64:A:LEU:HD23	3	0.75
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD21	3	0.75
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD22	3	0.75
(2,1900)	1:81:A:ILE:HG23	1:64:A:LEU:HD23	3	0.75
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD11	6	0.75
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD12	6	0.75
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD13	6	0.75
(2,1868)	1:65:A:ARG:HD3	1:66:A:ASN:H	6	0.75
(2,1838)	1:13:A:LEU:HD21	1:14:A:ASN:HA	3	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1838)	1:13:A:LEU:HD22	1:14:A:ASN:HA	3	0.75
(2,1838)	1:13:A:LEU:HD23	1:14:A:ASN:HA	3	0.75
(2,1838)	1:13:A:LEU:HD21	1:14:A:ASN:HA	11	0.75
(2,1838)	1:13:A:LEU:HD22	1:14:A:ASN:HA	11	0.75
(2,1838)	1:13:A:LEU:HD23	1:14:A:ASN:HA	11	0.75
(2,1798)	1:99:A:THR:HG21	1:99:A:THR:H	15	0.75
(2,1798)	1:99:A:THR:HG22	1:99:A:THR:H	15	0.75
(2,1798)	1:99:A:THR:HG23	1:99:A:THR:H	15	0.75
(2,1782)	1:98:A:LEU:HD21	1:98:A:LEU:HA	1	0.75
(2,1782)	1:98:A:LEU:HD22	1:98:A:LEU:HA	1	0.75
(2,1782)	1:98:A:LEU:HD23	1:98:A:LEU:HA	1	0.75
(2,1749)	1:95:A:HIS:HA	1:98:A:LEU:HB3	3	0.75
(2,1749)	1:95:A:HIS:HA	1:98:A:LEU:HB3	7	0.75
(2,1740)	1:94:A:LEU:HA	1:97:A:ARG:HB2	6	0.75
(2,1740)	1:94:A:LEU:HA	1:97:A:ARG:HB2	13	0.75
(2,1696)	1:91:A:THR:HA	1:25:A:LEU:HB3	5	0.75
(2,1684)	1:90:A:LEU:HD21	1:91:A:THR:HA	4	0.75
(2,1684)	1:90:A:LEU:HD22	1:91:A:THR:HA	4	0.75
(2,1684)	1:90:A:LEU:HD23	1:91:A:THR:HA	4	0.75
(2,1675)	1:90:A:LEU:HB2	1:90:A:LEU:H	1	0.75
(2,1675)	1:90:A:LEU:HB2	1:90:A:LEU:H	2	0.75
(2,1675)	1:90:A:LEU:HB2	1:90:A:LEU:H	4	0.75
(2,1675)	1:90:A:LEU:HB2	1:90:A:LEU:H	7	0.75
(2,1675)	1:90:A:LEU:HB2	1:90:A:LEU:H	10	0.75
(2,1675)	1:90:A:LEU:HB2	1:90:A:LEU:H	12	0.75
(2,1673)	1:90:A:LEU:HB3	1:91:A:THR:H	13	0.75
(2,1549)	1:81:A:ILE:HB	1:82:A:PHE:H	9	0.75
(2,1528)	1:16:A:LEU:HB3	1:17:A:SER:H	6	0.75
(2,1528)	1:16:A:LEU:HB3	1:17:A:SER:H	9	0.75
(2,1528)	1:16:A:LEU:HB3	1:17:A:SER:H	10	0.75
(2,1508)	1:72:A:THR:HG21	1:74:A:LEU:HB3	11	0.75
(2,1508)	1:72:A:THR:HG22	1:74:A:LEU:HB3	11	0.75
(2,1508)	1:72:A:THR:HG23	1:74:A:LEU:HB3	11	0.75
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB1	14	0.75
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB2	14	0.75
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB3	14	0.75
(2,1369)	1:97:A:ARG:HB2	1:97:A:ARG:H	8	0.75
(2,1298)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	15	0.75
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD21	4	0.75
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD22	4	0.75
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD23	4	0.75
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD21	7	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD22	7	0.75
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD23	7	0.75
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD21	15	0.75
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD22	15	0.75
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD23	15	0.75
(2,1064)	1:53:A:ASP:HB3	1:50:A:ALA:H	3	0.75
(2,1064)	1:53:A:ASP:HB3	1:50:A:ALA:H	15	0.75
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG21	3	0.75
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG22	3	0.75
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG23	3	0.75
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG21	6	0.75
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG22	6	0.75
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG23	6	0.75
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG21	10	0.75
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG22	10	0.75
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG23	10	0.75
(2,1026)	1:51:A:PHE:HB2	1:52:A:LYS:H	6	0.75
(2,1026)	1:51:A:PHE:HB2	1:52:A:LYS:H	9	0.75
(2,1026)	1:51:A:PHE:HB2	1:52:A:LYS:H	15	0.75
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD21	4	0.75
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD22	4	0.75
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD23	4	0.75
(2,939)	1:45:A:ILE:HG21	1:33:A:THR:HB	7	0.75
(2,939)	1:45:A:ILE:HG22	1:33:A:THR:HB	7	0.75
(2,939)	1:45:A:ILE:HG23	1:33:A:THR:HB	7	0.75
(2,939)	1:45:A:ILE:HG21	1:33:A:THR:HB	14	0.75
(2,939)	1:45:A:ILE:HG22	1:33:A:THR:HB	14	0.75
(2,939)	1:45:A:ILE:HG23	1:33:A:THR:HB	14	0.75
(2,923)	1:101:A:SER:HB2	1:102:A:HIS:H	11	0.75
(2,769)	1:34:A:ALA:HB1	1:42:A:PRO:HG2	12	0.75
(2,769)	1:34:A:ALA:HB2	1:42:A:PRO:HG2	12	0.75
(2,769)	1:34:A:ALA:HB3	1:42:A:PRO:HG2	12	0.75
(2,718)	1:30:A:ALA:HB1	1:27:A:THR:HB	15	0.75
(2,718)	1:30:A:ALA:HB2	1:27:A:THR:HB	15	0.75
(2,718)	1:30:A:ALA:HB3	1:27:A:THR:HB	15	0.75
(2,585)	1:26:A:ALA:HB1	1:22:A:GLN:HB2	15	0.75
(2,585)	1:26:A:ALA:HB2	1:22:A:GLN:HB2	15	0.75
(2,585)	1:26:A:ALA:HB3	1:22:A:GLN:HB2	15	0.75
(2,534)	1:24:A:THR:HB	1:23:A:GLN:HB3	2	0.75
(2,534)	1:24:A:THR:HB	1:23:A:GLN:HB3	13	0.75
(2,534)	1:24:A:THR:HB	1:23:A:GLN:HB3	16	0.75
(2,454)	1:20:A:GLN:HB2	1:17:A:SER:H	2	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,454)	1:20:A:GLN:HB2	1:17:A:SER:H	4	0.75
(2,381)	1:18:A:PRO:HB2	1:19:A:GLN:H	16	0.75
(2,358)	1:16:A:LEU:HD21	1:13:A:LEU:HA	3	0.75
(2,358)	1:16:A:LEU:HD22	1:13:A:LEU:HA	3	0.75
(2,358)	1:16:A:LEU:HD23	1:13:A:LEU:HA	3	0.75
(2,338)	1:14:A:ASN:HB2	1:14:A:ASN:HD21	5	0.75
(2,320)	1:87:A:PRO:HD2	1:51:A:PHE:HA	7	0.75
(2,282)	1:13:A:LEU:HA	1:21:A:GLN:HA	11	0.75
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB1	16	0.75
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB2	16	0.75
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB3	16	0.75
(2,234)	1:50:A:ALA:HB1	1:51:A:PHE:HB2	3	0.75
(2,234)	1:50:A:ALA:HB2	1:51:A:PHE:HB2	3	0.75
(2,234)	1:50:A:ALA:HB3	1:51:A:PHE:HB2	3	0.75
(2,234)	1:50:A:ALA:HB1	1:51:A:PHE:HB2	10	0.75
(2,234)	1:50:A:ALA:HB2	1:51:A:PHE:HB2	10	0.75
(2,234)	1:50:A:ALA:HB3	1:51:A:PHE:HB2	10	0.75
(2,234)	1:50:A:ALA:HB1	1:51:A:PHE:HB2	14	0.75
(2,234)	1:50:A:ALA:HB2	1:51:A:PHE:HB2	14	0.75
(2,234)	1:50:A:ALA:HB3	1:51:A:PHE:HB2	14	0.75
(2,229)	1:10:A:ALA:HB1	1:14:A:ASN:HD22	8	0.75
(2,229)	1:10:A:ALA:HB2	1:14:A:ASN:HD22	8	0.75
(2,229)	1:10:A:ALA:HB3	1:14:A:ASN:HD22	8	0.75
(2,101)	1:5:A:ALA:HA	1:8:A:ASP:HB2	7	0.75
(2,101)	1:5:A:ALA:HA	1:8:A:ASP:HB2	15	0.75
(2,65)	1:81:A:ILE:HD11	1:56:A:ILE:HG12	12	0.75
(2,65)	1:81:A:ILE:HD12	1:56:A:ILE:HG12	12	0.75
(2,65)	1:81:A:ILE:HD13	1:56:A:ILE:HG12	12	0.75
(2,60)	1:81:A:ILE:HD11	1:64:A:LEU:HG	13	0.75
(2,60)	1:81:A:ILE:HD12	1:64:A:LEU:HG	13	0.75
(2,60)	1:81:A:ILE:HD13	1:64:A:LEU:HG	13	0.75
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG21	2	0.75
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG22	2	0.75
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG23	2	0.75
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG21	2	0.75
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG22	2	0.75
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG23	2	0.75
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD21	9	0.75
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD22	9	0.75
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD23	9	0.75
(1,469)	1:8:A:ASP:H	1:7:A:THR:HB	8	0.75
(1,254)	1:79:A:THR:H	1:78:A:PRO:HB3	7	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:99:A:THR:H	1:99:A:THR:HG21	15	0.75
(1,250)	1:99:A:THR:H	1:99:A:THR:HG22	15	0.75
(1,250)	1:99:A:THR:H	1:99:A:THR:HG23	15	0.75
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD21	4	0.75
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD22	4	0.75
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD23	4	0.75
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD21	14	0.75
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD22	14	0.75
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD23	14	0.75
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD21	1	0.75
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD22	1	0.75
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD23	1	0.75
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD21	3	0.75
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD22	3	0.75
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD23	3	0.75
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD21	15	0.75
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD22	15	0.75
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD23	15	0.75
(2,1868)	1:65:A:ARG:HD3	1:66:A:ASN:H	2	0.74
(2,1868)	1:65:A:ARG:HD3	1:66:A:ASN:H	5	0.74
(2,1838)	1:13:A:LEU:HD21	1:14:A:ASN:HA	5	0.74
(2,1838)	1:13:A:LEU:HD22	1:14:A:ASN:HA	5	0.74
(2,1838)	1:13:A:LEU:HD23	1:14:A:ASN:HA	5	0.74
(2,1838)	1:13:A:LEU:HD21	1:14:A:ASN:HA	13	0.74
(2,1838)	1:13:A:LEU:HD22	1:14:A:ASN:HA	13	0.74
(2,1838)	1:13:A:LEU:HD23	1:14:A:ASN:HA	13	0.74
(2,1782)	1:98:A:LEU:HD21	1:98:A:LEU:HA	7	0.74
(2,1782)	1:98:A:LEU:HD22	1:98:A:LEU:HA	7	0.74
(2,1782)	1:98:A:LEU:HD23	1:98:A:LEU:HA	7	0.74
(2,1773)	1:97:A:ARG:HD2	1:100:A:GLN:H	15	0.74
(2,1749)	1:95:A:HIS:HA	1:98:A:LEU:HB3	10	0.74
(2,1740)	1:94:A:LEU:HA	1:97:A:ARG:HB2	4	0.74
(2,1740)	1:94:A:LEU:HA	1:97:A:ARG:HB2	12	0.74
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD11	3	0.74
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD12	3	0.74
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD13	3	0.74
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD11	3	0.74
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD12	3	0.74
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD13	3	0.74
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD11	3	0.74
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD12	3	0.74
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD13	3	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1675)	1:90:A:LEU:HB2	1:90:A:LEU:H	11	0.74
(2,1675)	1:90:A:LEU:HB2	1:90:A:LEU:H	16	0.74
(2,1645)	1:89:A:ALA:HB1	1:90:A:LEU:HB3	1	0.74
(2,1645)	1:89:A:ALA:HB2	1:90:A:LEU:HB3	1	0.74
(2,1645)	1:89:A:ALA:HB3	1:90:A:LEU:HB3	1	0.74
(2,1549)	1:81:A:ILE:HB	1:82:A:PHE:H	11	0.74
(2,1537)	1:98:A:LEU:HB2	1:98:A:LEU:H	5	0.74
(2,1528)	1:16:A:LEU:HB3	1:17:A:SER:H	16	0.74
(2,1522)	1:16:A:LEU:HB2	1:13:A:LEU:HA	4	0.74
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB1	2	0.74
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB2	2	0.74
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB3	2	0.74
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB1	8	0.74
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB2	8	0.74
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB3	8	0.74
(2,1398)	1:45:A:ILE:HD11	1:39:A:HIS:HB2	14	0.74
(2,1398)	1:45:A:ILE:HD12	1:39:A:HIS:HB2	14	0.74
(2,1398)	1:45:A:ILE:HD13	1:39:A:HIS:HB2	14	0.74
(2,1369)	1:97:A:ARG:HB2	1:97:A:ARG:H	6	0.74
(2,1343)	1:70:A:HIS:HA	1:73:A:GLY:HA3	12	0.74
(2,1298)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	2	0.74
(2,1298)	1:66:A:ASN:HB2	1:66:A:ASN:HD21	3	0.74
(2,1212)	1:63:A:GLU:HA	1:66:A:ASN:HD21	10	0.74
(2,1106)	1:81:A:ILE:HG21	1:85:A:PRO:HA	3	0.74
(2,1106)	1:81:A:ILE:HG22	1:85:A:PRO:HA	3	0.74
(2,1106)	1:81:A:ILE:HG23	1:85:A:PRO:HA	3	0.74
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD21	3	0.74
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD22	3	0.74
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD23	3	0.74
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG21	12	0.74
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG22	12	0.74
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG23	12	0.74
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD21	7	0.74
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD22	7	0.74
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD23	7	0.74
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD21	13	0.74
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD22	13	0.74
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD23	13	0.74
(2,913)	1:43:A:GLU:HG2	1:42:A:PRO:HA	3	0.74
(2,913)	1:43:A:GLU:HG2	1:42:A:PRO:HA	9	0.74
(2,769)	1:34:A:ALA:HB1	1:42:A:PRO:HG2	8	0.74
(2,769)	1:34:A:ALA:HB2	1:42:A:PRO:HG2	8	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,769)	1:34:A:ALA:HB3	1:42:A:PRO:HG2	8	0.74
(2,769)	1:34:A:ALA:HB1	1:42:A:PRO:HG2	13	0.74
(2,769)	1:34:A:ALA:HB2	1:42:A:PRO:HG2	13	0.74
(2,769)	1:34:A:ALA:HB3	1:42:A:PRO:HG2	13	0.74
(2,718)	1:30:A:ALA:HB1	1:27:A:THR:HB	8	0.74
(2,718)	1:30:A:ALA:HB2	1:27:A:THR:HB	8	0.74
(2,718)	1:30:A:ALA:HB3	1:27:A:THR:HB	8	0.74
(2,718)	1:30:A:ALA:HB1	1:27:A:THR:HB	11	0.74
(2,718)	1:30:A:ALA:HB2	1:27:A:THR:HB	11	0.74
(2,718)	1:30:A:ALA:HB3	1:27:A:THR:HB	11	0.74
(2,718)	1:30:A:ALA:HB1	1:27:A:THR:HB	12	0.74
(2,718)	1:30:A:ALA:HB2	1:27:A:THR:HB	12	0.74
(2,718)	1:30:A:ALA:HB3	1:27:A:THR:HB	12	0.74
(2,718)	1:30:A:ALA:HB1	1:27:A:THR:HB	13	0.74
(2,718)	1:30:A:ALA:HB2	1:27:A:THR:HB	13	0.74
(2,718)	1:30:A:ALA:HB3	1:27:A:THR:HB	13	0.74
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD21	15	0.74
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD22	15	0.74
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD23	15	0.74
(2,534)	1:24:A:THR:HB	1:23:A:GLN:HB3	14	0.74
(2,454)	1:20:A:GLN:HB2	1:17:A:SER:H	6	0.74
(2,454)	1:20:A:GLN:HB2	1:17:A:SER:H	10	0.74
(2,368)	1:17:A:SER:HB3	1:18:A:PRO:HB3	10	0.74
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB1	1	0.74
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB2	1	0.74
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB3	1	0.74
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB1	4	0.74
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB2	4	0.74
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB3	4	0.74
(2,234)	1:50:A:ALA:HB1	1:51:A:PHE:HB2	4	0.74
(2,234)	1:50:A:ALA:HB2	1:51:A:PHE:HB2	4	0.74
(2,234)	1:50:A:ALA:HB3	1:51:A:PHE:HB2	4	0.74
(2,203)	1:72:A:THR:HA	1:9:A:LEU:HB2	12	0.74
(2,139)	1:7:A:THR:HG21	1:4:A:SER:HB3	12	0.74
(2,139)	1:7:A:THR:HG22	1:4:A:SER:HB3	12	0.74
(2,139)	1:7:A:THR:HG23	1:4:A:SER:HB3	12	0.74
(2,101)	1:5:A:ALA:HA	1:8:A:ASP:HB2	2	0.74
(2,101)	1:5:A:ALA:HA	1:8:A:ASP:HB2	6	0.74
(2,65)	1:81:A:ILE:HD11	1:56:A:ILE:HG12	6	0.74
(2,65)	1:81:A:ILE:HD12	1:56:A:ILE:HG12	6	0.74
(2,65)	1:81:A:ILE:HD13	1:56:A:ILE:HG12	6	0.74
(2,60)	1:81:A:ILE:HD11	1:64:A:LEU:HG	7	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,60)	1:81:A:ILE:HD12	1:64:A:LEU:HG	7	0.74
(2,60)	1:81:A:ILE:HD13	1:64:A:LEU:HG	7	0.74
(1,471)	1:8:A:ASP:H	1:9:A:LEU:H	15	0.74
(1,469)	1:8:A:ASP:H	1:7:A:THR:HB	13	0.74
(1,191)	1:62:A:LEU:H	1:65:A:ARG:HB2	3	0.74
(1,191)	1:62:A:LEU:H	1:65:A:ARG:HB2	6	0.74
(2,1868)	1:65:A:ARG:HD3	1:66:A:ASN:H	8	0.73
(2,1868)	1:65:A:ARG:HD3	1:66:A:ASN:H	10	0.73
(2,1838)	1:13:A:LEU:HD21	1:14:A:ASN:HA	10	0.73
(2,1838)	1:13:A:LEU:HD22	1:14:A:ASN:HA	10	0.73
(2,1838)	1:13:A:LEU:HD23	1:14:A:ASN:HA	10	0.73
(2,1798)	1:99:A:THR:HG21	1:99:A:THR:H	9	0.73
(2,1798)	1:99:A:THR:HG22	1:99:A:THR:H	9	0.73
(2,1798)	1:99:A:THR:HG23	1:99:A:THR:H	9	0.73
(2,1782)	1:98:A:LEU:HD21	1:98:A:LEU:HA	5	0.73
(2,1782)	1:98:A:LEU:HD22	1:98:A:LEU:HA	5	0.73
(2,1782)	1:98:A:LEU:HD23	1:98:A:LEU:HA	5	0.73
(2,1768)	1:97:A:ARG:HG3	1:96:A:THR:HB	7	0.73
(2,1768)	1:97:A:ARG:HG3	1:96:A:THR:HB	16	0.73
(2,1749)	1:95:A:HIS:HA	1:98:A:LEU:HB3	12	0.73
(2,1749)	1:95:A:HIS:HA	1:98:A:LEU:HB3	16	0.73
(2,1740)	1:94:A:LEU:HA	1:97:A:ARG:HB2	15	0.73
(2,1696)	1:91:A:THR:HA	1:25:A:LEU:HB3	4	0.73
(2,1696)	1:91:A:THR:HA	1:25:A:LEU:HB3	11	0.73
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD11	11	0.73
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD12	11	0.73
(2,1686)	1:90:A:LEU:HD21	1:94:A:LEU:HD13	11	0.73
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD11	11	0.73
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD12	11	0.73
(2,1686)	1:90:A:LEU:HD22	1:94:A:LEU:HD13	11	0.73
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD11	11	0.73
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD12	11	0.73
(2,1686)	1:90:A:LEU:HD23	1:94:A:LEU:HD13	11	0.73
(2,1675)	1:90:A:LEU:HB2	1:90:A:LEU:H	3	0.73
(2,1645)	1:89:A:ALA:HB1	1:90:A:LEU:HB3	5	0.73
(2,1645)	1:89:A:ALA:HB2	1:90:A:LEU:HB3	5	0.73
(2,1645)	1:89:A:ALA:HB3	1:90:A:LEU:HB3	5	0.73
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD21	4	0.73
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD22	4	0.73
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD23	4	0.73
(2,1624)	1:87:A:PRO:HB2	1:26:A:ALA:HA	15	0.73
(2,1528)	1:16:A:LEU:HB3	1:17:A:SER:H	3	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1522)	1:16:A:LEU:HB2	1:13:A:LEU:HA	14	0.73
(2,1497)	1:79:A:THR:HA	1:79:A:THR:H	9	0.73
(2,1497)	1:79:A:THR:HA	1:79:A:THR:H	11	0.73
(2,1471)	1:74:A:LEU:HB2	1:74:A:LEU:H	4	0.73
(2,1471)	1:74:A:LEU:HB2	1:74:A:LEU:H	8	0.73
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB1	3	0.73
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB2	3	0.73
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB3	3	0.73
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB1	12	0.73
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB2	12	0.73
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB3	12	0.73
(2,1451)	1:88:A:HIS:HB3	1:88:A:HIS:HD2	8	0.73
(2,1451)	1:88:A:HIS:HB3	1:88:A:HIS:HD2	13	0.73
(2,1451)	1:88:A:HIS:HB3	1:88:A:HIS:HD2	15	0.73
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB1	10	0.73
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB2	10	0.73
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB3	10	0.73
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB1	13	0.73
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB2	13	0.73
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB3	13	0.73
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB1	16	0.73
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB2	16	0.73
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB3	16	0.73
(2,1343)	1:70:A:HIS:HA	1:73:A:GLY:HA3	10	0.73
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD11	9	0.73
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD12	9	0.73
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD13	9	0.73
(2,1212)	1:63:A:GLU:HA	1:66:A:ASN:HD21	13	0.73
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG21	6	0.73
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG22	6	0.73
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG23	6	0.73
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG21	6	0.73
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG22	6	0.73
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG23	6	0.73
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG21	6	0.73
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG22	6	0.73
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG23	6	0.73
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG21	7	0.73
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG22	7	0.73
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG23	7	0.73
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG21	7	0.73
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG22	7	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG23	7	0.73
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG21	7	0.73
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG22	7	0.73
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG23	7	0.73
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG21	10	0.73
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG22	10	0.73
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG23	10	0.73
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG21	10	0.73
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG22	10	0.73
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG23	10	0.73
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG21	10	0.73
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG22	10	0.73
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG23	10	0.73
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG21	14	0.73
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG22	14	0.73
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG23	14	0.73
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG21	14	0.73
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG22	14	0.73
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG23	14	0.73
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG21	14	0.73
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG22	14	0.73
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG23	14	0.73
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD11	2	0.73
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD12	2	0.73
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD13	2	0.73
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD11	13	0.73
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD12	13	0.73
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD13	13	0.73
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD11	14	0.73
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD12	14	0.73
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD13	14	0.73
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD21	12	0.73
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD22	12	0.73
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD23	12	0.73
(2,1064)	1:53:A:ASP:HB3	1:50:A:ALA:H	4	0.73
(2,1026)	1:51:A:PHE:HB2	1:52:A:LYS:H	4	0.73
(2,1026)	1:51:A:PHE:HB2	1:52:A:LYS:H	10	0.73
(2,1026)	1:51:A:PHE:HB2	1:52:A:LYS:H	12	0.73
(2,1026)	1:51:A:PHE:HB2	1:52:A:LYS:H	13	0.73
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD21	9	0.73
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD22	9	0.73
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD23	9	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,939)	1:45:A:ILE:HG21	1:33:A:THR:HB	1	0.73
(2,939)	1:45:A:ILE:HG22	1:33:A:THR:HB	1	0.73
(2,939)	1:45:A:ILE:HG23	1:33:A:THR:HB	1	0.73
(2,939)	1:45:A:ILE:HG21	1:33:A:THR:HB	5	0.73
(2,939)	1:45:A:ILE:HG22	1:33:A:THR:HB	5	0.73
(2,939)	1:45:A:ILE:HG23	1:33:A:THR:HB	5	0.73
(2,939)	1:45:A:ILE:HG21	1:33:A:THR:HB	13	0.73
(2,939)	1:45:A:ILE:HG22	1:33:A:THR:HB	13	0.73
(2,939)	1:45:A:ILE:HG23	1:33:A:THR:HB	13	0.73
(2,923)	1:101:A:SER:HB2	1:102:A:HIS:H	13	0.73
(2,892)	1:43:A:GLU:HG2	1:41:A:THR:HB	4	0.73
(2,891)	1:41:A:THR:HB	1:43:A:GLU:H	7	0.73
(2,534)	1:24:A:THR:HB	1:23:A:GLN:HB3	3	0.73
(2,425)	1:21:A:GLN:HB3	1:21:A:GLN:HG2	4	0.73
(2,425)	1:21:A:GLN:HB3	1:21:A:GLN:HG2	9	0.73
(2,368)	1:17:A:SER:HB3	1:18:A:PRO:HB3	3	0.73
(2,320)	1:87:A:PRO:HD2	1:51:A:PHE:HA	13	0.73
(2,318)	1:87:A:PRO:HD3	1:87:A:PRO:HD2	3	0.73
(2,318)	1:87:A:PRO:HD3	1:87:A:PRO:HD2	8	0.73
(2,318)	1:87:A:PRO:HD3	1:87:A:PRO:HD2	9	0.73
(2,318)	1:87:A:PRO:HD3	1:87:A:PRO:HD2	10	0.73
(2,318)	1:87:A:PRO:HD3	1:87:A:PRO:HD2	11	0.73
(2,318)	1:87:A:PRO:HD3	1:87:A:PRO:HD2	14	0.73
(2,318)	1:87:A:PRO:HD3	1:87:A:PRO:HD2	15	0.73
(2,318)	1:87:A:PRO:HD3	1:87:A:PRO:HD2	16	0.73
(2,282)	1:13:A:LEU:HA	1:21:A:GLN:HA	1	0.73
(2,282)	1:13:A:LEU:HA	1:21:A:GLN:HA	8	0.73
(2,234)	1:50:A:ALA:HB1	1:51:A:PHE:HB2	2	0.73
(2,234)	1:50:A:ALA:HB2	1:51:A:PHE:HB2	2	0.73
(2,234)	1:50:A:ALA:HB3	1:51:A:PHE:HB2	2	0.73
(2,234)	1:50:A:ALA:HB1	1:51:A:PHE:HB2	11	0.73
(2,234)	1:50:A:ALA:HB2	1:51:A:PHE:HB2	11	0.73
(2,234)	1:50:A:ALA:HB3	1:51:A:PHE:HB2	11	0.73
(2,234)	1:50:A:ALA:HB1	1:51:A:PHE:HB2	12	0.73
(2,234)	1:50:A:ALA:HB2	1:51:A:PHE:HB2	12	0.73
(2,234)	1:50:A:ALA:HB3	1:51:A:PHE:HB2	12	0.73
(2,234)	1:50:A:ALA:HB1	1:51:A:PHE:HB2	13	0.73
(2,234)	1:50:A:ALA:HB2	1:51:A:PHE:HB2	13	0.73
(2,234)	1:50:A:ALA:HB3	1:51:A:PHE:HB2	13	0.73
(2,203)	1:72:A:THR:HA	1:9:A:LEU:HB2	1	0.73
(2,191)	1:9:A:LEU:HA	1:12:A:ARG:HD3	1	0.73
(2,191)	1:9:A:LEU:HA	1:12:A:ARG:HD3	11	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,101)	1:5:A:ALA:HA	1:8:A:ASP:HB2	13	0.73
(2,65)	1:81:A:ILE:HD11	1:56:A:ILE:HG12	10	0.73
(2,65)	1:81:A:ILE:HD12	1:56:A:ILE:HG12	10	0.73
(2,65)	1:81:A:ILE:HD13	1:56:A:ILE:HG12	10	0.73
(2,60)	1:81:A:ILE:HD11	1:64:A:LEU:HG	16	0.73
(2,60)	1:81:A:ILE:HD12	1:64:A:LEU:HG	16	0.73
(2,60)	1:81:A:ILE:HD13	1:64:A:LEU:HG	16	0.73
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD21	1	0.73
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD22	1	0.73
(2,55)	1:51:A:PHE:HE1	1:54:A:LEU:HD23	1	0.73
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD21	1	0.73
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD22	1	0.73
(2,55)	1:51:A:PHE:HE2	1:54:A:LEU:HD23	1	0.73
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG21	1	0.73
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG22	1	0.73
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG23	1	0.73
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG21	1	0.73
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG22	1	0.73
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG23	1	0.73
(1,602)	1:57:A:ASP:H	1:57:A:ASP:HB3	13	0.73
(1,469)	1:8:A:ASP:H	1:7:A:THR:HB	15	0.73
(1,389)	1:65:A:ARG:HE	1:65:A:ARG:HG2	2	0.73
(1,250)	1:99:A:THR:H	1:99:A:THR:HG21	9	0.73
(1,250)	1:99:A:THR:H	1:99:A:THR:HG22	9	0.73
(1,250)	1:99:A:THR:H	1:99:A:THR:HG23	9	0.73
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD21	6	0.73
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD22	6	0.73
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD23	6	0.73
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD21	16	0.73
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD22	16	0.73
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD23	16	0.73
(1,191)	1:62:A:LEU:H	1:65:A:ARG:HB2	5	0.73
(1,191)	1:62:A:LEU:H	1:65:A:ARG:HB2	13	0.73
(1,127)	1:69:A:THR:H	1:68:A:LEU:HB2	14	0.73
(2,1749)	1:95:A:HIS:HA	1:98:A:LEU:HB3	2	0.72
(2,1749)	1:95:A:HIS:HA	1:98:A:LEU:HB3	15	0.72
(2,1684)	1:90:A:LEU:HD21	1:91:A:THR:HA	12	0.72
(2,1684)	1:90:A:LEU:HD22	1:91:A:THR:HA	12	0.72
(2,1684)	1:90:A:LEU:HD23	1:91:A:THR:HA	12	0.72
(2,1645)	1:89:A:ALA:HB1	1:90:A:LEU:HB3	4	0.72
(2,1645)	1:89:A:ALA:HB2	1:90:A:LEU:HB3	4	0.72
(2,1645)	1:89:A:ALA:HB3	1:90:A:LEU:HB3	4	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1645)	1:89:A:ALA:HB1	1:90:A:LEU:HB3	12	0.72
(2,1645)	1:89:A:ALA:HB2	1:90:A:LEU:HB3	12	0.72
(2,1645)	1:89:A:ALA:HB3	1:90:A:LEU:HB3	12	0.72
(2,1624)	1:87:A:PRO:HB2	1:26:A:ALA:HA	4	0.72
(2,1624)	1:87:A:PRO:HB2	1:26:A:ALA:HA	8	0.72
(2,1614)	1:87:A:PRO:HA	1:51:A:PHE:HZ	13	0.72
(2,1549)	1:81:A:ILE:HB	1:82:A:PHE:H	3	0.72
(2,1549)	1:81:A:ILE:HB	1:82:A:PHE:H	5	0.72
(2,1522)	1:16:A:LEU:HB2	1:13:A:LEU:HA	2	0.72
(2,1522)	1:16:A:LEU:HB2	1:13:A:LEU:HA	3	0.72
(2,1471)	1:74:A:LEU:HB2	1:74:A:LEU:H	5	0.72
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB1	16	0.72
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB2	16	0.72
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB3	16	0.72
(2,1451)	1:88:A:HIS:HB3	1:88:A:HIS:HD2	1	0.72
(2,1451)	1:88:A:HIS:HB3	1:88:A:HIS:HD2	2	0.72
(2,1451)	1:88:A:HIS:HB3	1:88:A:HIS:HD2	3	0.72
(2,1451)	1:88:A:HIS:HB3	1:88:A:HIS:HD2	4	0.72
(2,1451)	1:88:A:HIS:HB3	1:88:A:HIS:HD2	9	0.72
(2,1451)	1:88:A:HIS:HB3	1:88:A:HIS:HD2	11	0.72
(2,1451)	1:88:A:HIS:HB3	1:88:A:HIS:HD2	12	0.72
(2,1442)	1:88:A:HIS:HB3	1:89:A:ALA:H	5	0.72
(2,1442)	1:88:A:HIS:HB3	1:89:A:ALA:H	15	0.72
(2,1398)	1:45:A:ILE:HD11	1:39:A:HIS:HB2	12	0.72
(2,1398)	1:45:A:ILE:HD12	1:39:A:HIS:HB2	12	0.72
(2,1398)	1:45:A:ILE:HD13	1:39:A:HIS:HB2	12	0.72
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB1	5	0.72
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB2	5	0.72
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB3	5	0.72
(2,1369)	1:97:A:ARG:HB2	1:97:A:ARG:H	2	0.72
(2,1369)	1:97:A:ARG:HB2	1:97:A:ARG:H	5	0.72
(2,1369)	1:97:A:ARG:HB2	1:97:A:ARG:H	11	0.72
(2,1369)	1:97:A:ARG:HB2	1:97:A:ARG:H	13	0.72
(2,1193)	1:62:A:LEU:HB3	1:65:A:ARG:HB2	1	0.72
(2,1122)	1:56:A:ILE:HG21	1:51:A:PHE:HB3	16	0.72
(2,1122)	1:56:A:ILE:HG22	1:51:A:PHE:HB3	16	0.72
(2,1122)	1:56:A:ILE:HG23	1:51:A:PHE:HB3	16	0.72
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG21	3	0.72
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG22	3	0.72
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG23	3	0.72
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG21	3	0.72
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG22	3	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG23	3	0.72
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG21	3	0.72
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG22	3	0.72
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG23	3	0.72
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG21	13	0.72
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG22	13	0.72
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG23	13	0.72
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG21	13	0.72
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG22	13	0.72
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG23	13	0.72
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG21	13	0.72
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG22	13	0.72
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG23	13	0.72
(2,1106)	1:81:A:ILE:HG21	1:85:A:PRO:HA	14	0.72
(2,1106)	1:81:A:ILE:HG22	1:85:A:PRO:HA	14	0.72
(2,1106)	1:81:A:ILE:HG23	1:85:A:PRO:HA	14	0.72
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD11	4	0.72
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD12	4	0.72
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD13	4	0.72
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD11	10	0.72
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD12	10	0.72
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD13	10	0.72
(2,1064)	1:53:A:ASP:HB3	1:50:A:ALA:H	6	0.72
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG21	7	0.72
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG22	7	0.72
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG23	7	0.72
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG21	13	0.72
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG22	13	0.72
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG23	13	0.72
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD21	1	0.72
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD22	1	0.72
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD23	1	0.72
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD21	3	0.72
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD22	3	0.72
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD23	3	0.72
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD21	5	0.72
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD22	5	0.72
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD23	5	0.72
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD21	6	0.72
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD22	6	0.72
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD23	6	0.72
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD21	11	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD22	11	0.72
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD23	11	0.72
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD21	12	0.72
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD22	12	0.72
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD23	12	0.72
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD21	15	0.72
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD22	15	0.72
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD23	15	0.72
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB1	15	0.72
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB2	15	0.72
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB3	15	0.72
(2,939)	1:45:A:ILE:HG21	1:33:A:THR:HB	3	0.72
(2,939)	1:45:A:ILE:HG22	1:33:A:THR:HB	3	0.72
(2,939)	1:45:A:ILE:HG23	1:33:A:THR:HB	3	0.72
(2,939)	1:45:A:ILE:HG21	1:33:A:THR:HB	11	0.72
(2,939)	1:45:A:ILE:HG22	1:33:A:THR:HB	11	0.72
(2,939)	1:45:A:ILE:HG23	1:33:A:THR:HB	11	0.72
(2,894)	1:41:A:THR:HB	1:43:A:GLU:HB2	14	0.72
(2,769)	1:34:A:ALA:HB1	1:42:A:PRO:HG2	7	0.72
(2,769)	1:34:A:ALA:HB2	1:42:A:PRO:HG2	7	0.72
(2,769)	1:34:A:ALA:HB3	1:42:A:PRO:HG2	7	0.72
(2,769)	1:34:A:ALA:HB1	1:42:A:PRO:HG2	10	0.72
(2,769)	1:34:A:ALA:HB2	1:42:A:PRO:HG2	10	0.72
(2,769)	1:34:A:ALA:HB3	1:42:A:PRO:HG2	10	0.72
(2,649)	1:28:A:LEU:HD21	1:71:A:ASN:HB2	11	0.72
(2,649)	1:28:A:LEU:HD22	1:71:A:ASN:HB2	11	0.72
(2,649)	1:28:A:LEU:HD23	1:71:A:ASN:HB2	11	0.72
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD21	2	0.72
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD22	2	0.72
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD23	2	0.72
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD21	7	0.72
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD22	7	0.72
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD23	7	0.72
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD21	13	0.72
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD22	13	0.72
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD23	13	0.72
(2,534)	1:24:A:THR:HB	1:23:A:GLN:HB3	5	0.72
(2,534)	1:24:A:THR:HB	1:23:A:GLN:HB3	8	0.72
(2,448)	1:63:A:GLU:HB2	1:36:A:VAL:HA	2	0.72
(2,425)	1:21:A:GLN:HB3	1:21:A:GLN:HG2	10	0.72
(2,425)	1:21:A:GLN:HB3	1:21:A:GLN:HG2	13	0.72
(2,370)	1:17:A:SER:HB2	1:20:A:GLN:HG3	10	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,368)	1:17:A:SER:HB3	1:18:A:PRO:HB3	2	0.72
(2,320)	1:87:A:PRO:HD2	1:51:A:PHE:HA	12	0.72
(2,320)	1:87:A:PRO:HD2	1:51:A:PHE:HA	16	0.72
(2,318)	1:87:A:PRO:HD3	1:87:A:PRO:HD2	1	0.72
(2,318)	1:87:A:PRO:HD3	1:87:A:PRO:HD2	2	0.72
(2,318)	1:87:A:PRO:HD3	1:87:A:PRO:HD2	4	0.72
(2,318)	1:87:A:PRO:HD3	1:87:A:PRO:HD2	5	0.72
(2,318)	1:87:A:PRO:HD3	1:87:A:PRO:HD2	6	0.72
(2,318)	1:87:A:PRO:HD3	1:87:A:PRO:HD2	7	0.72
(2,318)	1:87:A:PRO:HD3	1:87:A:PRO:HD2	12	0.72
(2,318)	1:87:A:PRO:HD3	1:87:A:PRO:HD2	13	0.72
(2,282)	1:13:A:LEU:HA	1:21:A:GLN:HA	7	0.72
(2,281)	1:12:A:ARG:HD3	1:12:A:ARG:H	1	0.72
(2,279)	1:12:A:ARG:HD3	1:12:A:ARG:HA	6	0.72
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB1	15	0.72
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB2	15	0.72
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB3	15	0.72
(2,234)	1:50:A:ALA:HB1	1:51:A:PHE:HB2	6	0.72
(2,234)	1:50:A:ALA:HB2	1:51:A:PHE:HB2	6	0.72
(2,234)	1:50:A:ALA:HB3	1:51:A:PHE:HB2	6	0.72
(2,234)	1:50:A:ALA:HB1	1:51:A:PHE:HB2	7	0.72
(2,234)	1:50:A:ALA:HB2	1:51:A:PHE:HB2	7	0.72
(2,234)	1:50:A:ALA:HB3	1:51:A:PHE:HB2	7	0.72
(2,234)	1:50:A:ALA:HB1	1:51:A:PHE:HB2	16	0.72
(2,234)	1:50:A:ALA:HB2	1:51:A:PHE:HB2	16	0.72
(2,234)	1:50:A:ALA:HB3	1:51:A:PHE:HB2	16	0.72
(2,141)	1:41:A:THR:HG21	1:43:A:GLU:HG2	14	0.72
(2,141)	1:41:A:THR:HG22	1:43:A:GLU:HG2	14	0.72
(2,141)	1:41:A:THR:HG23	1:43:A:GLU:HG2	14	0.72
(2,141)	1:41:A:THR:HG21	1:43:A:GLU:HG2	15	0.72
(2,141)	1:41:A:THR:HG22	1:43:A:GLU:HG2	15	0.72
(2,141)	1:41:A:THR:HG23	1:43:A:GLU:HG2	15	0.72
(2,139)	1:7:A:THR:HG21	1:4:A:SER:HB3	13	0.72
(2,139)	1:7:A:THR:HG22	1:4:A:SER:HB3	13	0.72
(2,139)	1:7:A:THR:HG23	1:4:A:SER:HB3	13	0.72
(2,101)	1:5:A:ALA:HA	1:8:A:ASP:HB2	9	0.72
(2,101)	1:5:A:ALA:HA	1:8:A:ASP:HB2	10	0.72
(2,65)	1:81:A:ILE:HD11	1:56:A:ILE:HG12	16	0.72
(2,65)	1:81:A:ILE:HD12	1:56:A:ILE:HG12	16	0.72
(2,65)	1:81:A:ILE:HD13	1:56:A:ILE:HG12	16	0.72
(2,60)	1:81:A:ILE:HD11	1:64:A:LEU:HG	3	0.72
(2,60)	1:81:A:ILE:HD12	1:64:A:LEU:HG	3	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,60)	1:81:A:ILE:HD13	1:64:A:LEU:HG	3	0.72
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG21	8	0.72
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG22	8	0.72
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG23	8	0.72
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG21	8	0.72
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG22	8	0.72
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG23	8	0.72
(1,469)	1:8:A:ASP:H	1:7:A:THR:HB	11	0.72
(1,469)	1:8:A:ASP:H	1:7:A:THR:HB	12	0.72
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD21	7	0.72
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD22	7	0.72
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD23	7	0.72
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD21	3	0.72
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD22	3	0.72
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD23	3	0.72
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD21	12	0.72
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD22	12	0.72
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD23	12	0.72
(1,191)	1:62:A:LEU:H	1:65:A:ARG:HB2	9	0.72
(1,127)	1:69:A:THR:H	1:68:A:LEU:HB2	9	0.72
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD11	12	0.71
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD12	12	0.71
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD13	12	0.71
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG21	7	0.71
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG22	7	0.71
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG23	7	0.71
(2,1768)	1:97:A:ARG:HG3	1:96:A:THR:HB	12	0.71
(2,1740)	1:94:A:LEU:HA	1:97:A:ARG:HB2	3	0.71
(2,1740)	1:94:A:LEU:HA	1:97:A:ARG:HB2	7	0.71
(2,1740)	1:94:A:LEU:HA	1:97:A:ARG:HB2	16	0.71
(2,1696)	1:91:A:THR:HA	1:25:A:LEU:HB3	2	0.71
(2,1696)	1:91:A:THR:HA	1:25:A:LEU:HB3	6	0.71
(2,1684)	1:90:A:LEU:HD21	1:91:A:THR:HA	5	0.71
(2,1684)	1:90:A:LEU:HD22	1:91:A:THR:HA	5	0.71
(2,1684)	1:90:A:LEU:HD23	1:91:A:THR:HA	5	0.71
(2,1684)	1:90:A:LEU:HD21	1:91:A:THR:HA	14	0.71
(2,1684)	1:90:A:LEU:HD22	1:91:A:THR:HA	14	0.71
(2,1684)	1:90:A:LEU:HD23	1:91:A:THR:HA	14	0.71
(2,1673)	1:90:A:LEU:HB3	1:91:A:THR:H	2	0.71
(2,1645)	1:89:A:ALA:HB1	1:90:A:LEU:HB3	6	0.71
(2,1645)	1:89:A:ALA:HB2	1:90:A:LEU:HB3	6	0.71
(2,1645)	1:89:A:ALA:HB3	1:90:A:LEU:HB3	6	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1645)	1:89:A:ALA:HB1	1:90:A:LEU:HB3	10	0.71
(2,1645)	1:89:A:ALA:HB2	1:90:A:LEU:HB3	10	0.71
(2,1645)	1:89:A:ALA:HB3	1:90:A:LEU:HB3	10	0.71
(2,1645)	1:89:A:ALA:HB1	1:90:A:LEU:HB3	14	0.71
(2,1645)	1:89:A:ALA:HB2	1:90:A:LEU:HB3	14	0.71
(2,1645)	1:89:A:ALA:HB3	1:90:A:LEU:HB3	14	0.71
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD21	5	0.71
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD22	5	0.71
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD23	5	0.71
(2,1614)	1:87:A:PRO:HA	1:51:A:PHE:HZ	6	0.71
(2,1537)	1:98:A:LEU:HB2	1:98:A:LEU:H	9	0.71
(2,1528)	1:16:A:LEU:HB3	1:17:A:SER:H	4	0.71
(2,1521)	1:16:A:LEU:HB2	1:21:A:GLN:HG2	3	0.71
(2,1521)	1:16:A:LEU:HB2	1:21:A:GLN:HG2	11	0.71
(2,1497)	1:79:A:THR:HA	1:79:A:THR:H	2	0.71
(2,1497)	1:79:A:THR:HA	1:79:A:THR:H	4	0.71
(2,1497)	1:79:A:THR:HA	1:79:A:THR:H	8	0.71
(2,1471)	1:74:A:LEU:HB2	1:74:A:LEU:H	1	0.71
(2,1471)	1:74:A:LEU:HB2	1:74:A:LEU:H	13	0.71
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB1	4	0.71
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB2	4	0.71
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB3	4	0.71
(2,1451)	1:88:A:HIS:HB3	1:88:A:HIS:HD2	5	0.71
(2,1451)	1:88:A:HIS:HB3	1:88:A:HIS:HD2	6	0.71
(2,1451)	1:88:A:HIS:HB3	1:88:A:HIS:HD2	7	0.71
(2,1451)	1:88:A:HIS:HB3	1:88:A:HIS:HD2	14	0.71
(2,1451)	1:88:A:HIS:HB3	1:88:A:HIS:HD2	16	0.71
(2,1442)	1:88:A:HIS:HB3	1:89:A:ALA:H	2	0.71
(2,1442)	1:88:A:HIS:HB3	1:89:A:ALA:H	4	0.71
(2,1442)	1:88:A:HIS:HB3	1:89:A:ALA:H	16	0.71
(2,1392)	1:81:A:ILE:HG12	1:81:A:ILE:H	14	0.71
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB1	4	0.71
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB2	4	0.71
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB3	4	0.71
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB1	12	0.71
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB2	12	0.71
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB3	12	0.71
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB1	14	0.71
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB2	14	0.71
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB3	14	0.71
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG21	2	0.71
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG22	2	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG23	2	0.71
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG21	2	0.71
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG22	2	0.71
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG23	2	0.71
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG21	2	0.71
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG22	2	0.71
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG23	2	0.71
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG21	8	0.71
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG22	8	0.71
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG23	8	0.71
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG21	8	0.71
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG22	8	0.71
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG23	8	0.71
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG21	8	0.71
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG22	8	0.71
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG23	8	0.71
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG21	12	0.71
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG22	12	0.71
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG23	12	0.71
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG21	12	0.71
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG22	12	0.71
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG23	12	0.71
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG21	12	0.71
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG22	12	0.71
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG23	12	0.71
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG21	16	0.71
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG22	16	0.71
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG23	16	0.71
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG21	16	0.71
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG22	16	0.71
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG23	16	0.71
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG21	16	0.71
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG22	16	0.71
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG23	16	0.71
(2,1106)	1:81:A:ILE:HG21	1:85:A:PRO:HA	11	0.71
(2,1106)	1:81:A:ILE:HG22	1:85:A:PRO:HA	11	0.71
(2,1106)	1:81:A:ILE:HG23	1:85:A:PRO:HA	11	0.71
(2,1100)	1:81:A:ILE:HG21	1:90:A:LEU:HB2	9	0.71
(2,1100)	1:81:A:ILE:HG22	1:90:A:LEU:HB2	9	0.71
(2,1100)	1:81:A:ILE:HG23	1:90:A:LEU:HB2	9	0.71
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD11	15	0.71
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD12	15	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD13	15	0.71
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG21	11	0.71
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG22	11	0.71
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG23	11	0.71
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG21	15	0.71
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG22	15	0.71
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG23	15	0.71
(2,1026)	1:51:A:PHE:HB2	1:52:A:LYS:H	1	0.71
(2,1026)	1:51:A:PHE:HB2	1:52:A:LYS:H	8	0.71
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD21	10	0.71
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD22	10	0.71
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD23	10	0.71
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB1	4	0.71
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB2	4	0.71
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB3	4	0.71
(2,939)	1:45:A:ILE:HG21	1:33:A:THR:HB	2	0.71
(2,939)	1:45:A:ILE:HG22	1:33:A:THR:HB	2	0.71
(2,939)	1:45:A:ILE:HG23	1:33:A:THR:HB	2	0.71
(2,939)	1:45:A:ILE:HG21	1:33:A:THR:HB	10	0.71
(2,939)	1:45:A:ILE:HG22	1:33:A:THR:HB	10	0.71
(2,939)	1:45:A:ILE:HG23	1:33:A:THR:HB	10	0.71
(2,914)	1:43:A:GLU:HG2	1:43:A:GLU:H	6	0.71
(2,769)	1:34:A:ALA:HB1	1:42:A:PRO:HG2	15	0.71
(2,769)	1:34:A:ALA:HB2	1:42:A:PRO:HG2	15	0.71
(2,769)	1:34:A:ALA:HB3	1:42:A:PRO:HG2	15	0.71
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD21	13	0.71
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD22	13	0.71
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD23	13	0.71
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD21	13	0.71
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD22	13	0.71
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD23	13	0.71
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD21	13	0.71
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD22	13	0.71
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD23	13	0.71
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD21	3	0.71
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD22	3	0.71
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD23	3	0.71
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD21	11	0.71
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD22	11	0.71
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD23	11	0.71
(2,454)	1:20:A:GLN:HB2	1:17:A:SER:H	13	0.71
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD21	1	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD22	1	0.71
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD23	1	0.71
(2,425)	1:21:A:GLN:HB3	1:21:A:GLN:HG2	12	0.71
(2,425)	1:21:A:GLN:HB3	1:21:A:GLN:HG2	15	0.71
(2,368)	1:17:A:SER:HB3	1:18:A:PRO:HB3	13	0.71
(2,320)	1:87:A:PRO:HD2	1:51:A:PHE:HA	2	0.71
(2,320)	1:87:A:PRO:HD2	1:51:A:PHE:HA	6	0.71
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB1	3	0.71
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB2	3	0.71
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB3	3	0.71
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB1	11	0.71
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB2	11	0.71
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB3	11	0.71
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB1	13	0.71
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB2	13	0.71
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB3	13	0.71
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB1	14	0.71
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB2	14	0.71
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB3	14	0.71
(2,139)	1:7:A:THR:HG21	1:4:A:SER:HB3	4	0.71
(2,139)	1:7:A:THR:HG22	1:4:A:SER:HB3	4	0.71
(2,139)	1:7:A:THR:HG23	1:4:A:SER:HB3	4	0.71
(2,101)	1:5:A:ALA:HA	1:8:A:ASP:HB2	11	0.71
(2,60)	1:81:A:ILE:HD11	1:64:A:LEU:HG	5	0.71
(2,60)	1:81:A:ILE:HD12	1:64:A:LEU:HG	5	0.71
(2,60)	1:81:A:ILE:HD13	1:64:A:LEU:HG	5	0.71
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG21	9	0.71
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG22	9	0.71
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG23	9	0.71
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG21	9	0.71
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG22	9	0.71
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG23	9	0.71
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG21	1	0.71
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG22	1	0.71
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG23	1	0.71
(1,471)	1:8:A:ASP:H	1:9:A:LEU:H	6	0.71
(1,389)	1:65:A:ARG:HE	1:65:A:ARG:HG2	6	0.71
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD21	2	0.71
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD22	2	0.71
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD23	2	0.71
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD21	8	0.71
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD22	8	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD23	8	0.71
(1,191)	1:62:A:LEU:H	1:65:A:ARG:HB2	4	0.71
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD11	7	0.7
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD12	7	0.7
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD13	7	0.7
(2,1871)	1:16:A:LEU:HD21	1:15:A:GLY:HA2	3	0.7
(2,1871)	1:16:A:LEU:HD22	1:15:A:GLY:HA2	3	0.7
(2,1871)	1:16:A:LEU:HD23	1:15:A:GLY:HA2	3	0.7
(2,1868)	1:65:A:ARG:HD3	1:66:A:ASN:H	12	0.7
(2,1868)	1:65:A:ARG:HD3	1:66:A:ASN:H	14	0.7
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG21	11	0.7
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG22	11	0.7
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG23	11	0.7
(2,1768)	1:97:A:ARG:HG3	1:96:A:THR:HB	5	0.7
(2,1740)	1:94:A:LEU:HA	1:97:A:ARG:HB2	1	0.7
(2,1740)	1:94:A:LEU:HA	1:97:A:ARG:HB2	10	0.7
(2,1696)	1:91:A:THR:HA	1:25:A:LEU:HB3	12	0.7
(2,1696)	1:91:A:THR:HA	1:25:A:LEU:HB3	15	0.7
(2,1696)	1:91:A:THR:HA	1:25:A:LEU:HB3	16	0.7
(2,1645)	1:89:A:ALA:HB1	1:90:A:LEU:HB3	7	0.7
(2,1645)	1:89:A:ALA:HB2	1:90:A:LEU:HB3	7	0.7
(2,1645)	1:89:A:ALA:HB3	1:90:A:LEU:HB3	7	0.7
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD21	16	0.7
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD22	16	0.7
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD23	16	0.7
(2,1614)	1:87:A:PRO:HA	1:51:A:PHE:HZ	4	0.7
(2,1614)	1:87:A:PRO:HA	1:51:A:PHE:HZ	14	0.7
(2,1528)	1:16:A:LEU:HB3	1:17:A:SER:H	2	0.7
(2,1528)	1:16:A:LEU:HB3	1:17:A:SER:H	5	0.7
(2,1528)	1:16:A:LEU:HB3	1:17:A:SER:H	14	0.7
(2,1522)	1:16:A:LEU:HB2	1:13:A:LEU:HA	7	0.7
(2,1522)	1:16:A:LEU:HB2	1:13:A:LEU:HA	15	0.7
(2,1521)	1:16:A:LEU:HB2	1:21:A:GLN:HG2	6	0.7
(2,1497)	1:79:A:THR:HA	1:79:A:THR:H	3	0.7
(2,1497)	1:79:A:THR:HA	1:79:A:THR:H	5	0.7
(2,1497)	1:79:A:THR:HA	1:79:A:THR:H	6	0.7
(2,1497)	1:79:A:THR:HA	1:79:A:THR:H	12	0.7
(2,1497)	1:79:A:THR:HA	1:79:A:THR:H	13	0.7
(2,1497)	1:79:A:THR:HA	1:79:A:THR:H	16	0.7
(2,1451)	1:88:A:HIS:HB3	1:88:A:HIS:HD2	10	0.7
(2,1442)	1:88:A:HIS:HB3	1:89:A:ALA:H	6	0.7
(2,1442)	1:88:A:HIS:HB3	1:89:A:ALA:H	8	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1442)	1:88:A:HIS:HB3	1:89:A:ALA:H	9	0.7
(2,1369)	1:97:A:ARG:HB2	1:97:A:ARG:H	10	0.7
(2,1369)	1:97:A:ARG:HB2	1:97:A:ARG:H	15	0.7
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG21	4	0.7
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG22	4	0.7
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG23	4	0.7
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG21	4	0.7
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG22	4	0.7
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG23	4	0.7
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG21	4	0.7
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG22	4	0.7
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG23	4	0.7
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG21	5	0.7
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG22	5	0.7
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG23	5	0.7
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG21	5	0.7
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG22	5	0.7
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG23	5	0.7
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG21	5	0.7
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG22	5	0.7
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG23	5	0.7
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG21	15	0.7
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG22	15	0.7
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG23	15	0.7
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG21	15	0.7
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG22	15	0.7
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG23	15	0.7
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG21	15	0.7
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG22	15	0.7
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG23	15	0.7
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD21	1	0.7
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD22	1	0.7
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD23	1	0.7
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD21	14	0.7
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD22	14	0.7
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD23	14	0.7
(2,1064)	1:53:A:ASP:HB3	1:50:A:ALA:H	16	0.7
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG21	1	0.7
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG22	1	0.7
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG23	1	0.7
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD21	14	0.7
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD22	14	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD23	14	0.7
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB1	12	0.7
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB2	12	0.7
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB3	12	0.7
(2,939)	1:45:A:ILE:HG21	1:33:A:THR:HB	6	0.7
(2,939)	1:45:A:ILE:HG22	1:33:A:THR:HB	6	0.7
(2,939)	1:45:A:ILE:HG23	1:33:A:THR:HB	6	0.7
(2,901)	1:41:A:THR:HG21	1:40:A:HIS:HD2	14	0.7
(2,901)	1:41:A:THR:HG22	1:40:A:HIS:HD2	14	0.7
(2,901)	1:41:A:THR:HG23	1:40:A:HIS:HD2	14	0.7
(2,851)	1:74:A:LEU:HD21	1:75:A:ASP:H	3	0.7
(2,851)	1:74:A:LEU:HD22	1:75:A:ASP:H	3	0.7
(2,851)	1:74:A:LEU:HD23	1:75:A:ASP:H	3	0.7
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD21	10	0.7
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD22	10	0.7
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD23	10	0.7
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD21	16	0.7
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD22	16	0.7
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD23	16	0.7
(2,534)	1:24:A:THR:HB	1:23:A:GLN:HB3	7	0.7
(2,534)	1:24:A:THR:HB	1:23:A:GLN:HB3	10	0.7
(2,425)	1:21:A:GLN:HB3	1:21:A:GLN:HG2	16	0.7
(2,320)	1:87:A:PRO:HD2	1:51:A:PHE:HA	3	0.7
(2,320)	1:87:A:PRO:HD2	1:51:A:PHE:HA	10	0.7
(2,320)	1:87:A:PRO:HD2	1:51:A:PHE:HA	14	0.7
(2,281)	1:12:A:ARG:HD3	1:12:A:ARG:H	8	0.7
(2,139)	1:7:A:THR:HG21	1:4:A:SER:HB3	6	0.7
(2,139)	1:7:A:THR:HG22	1:4:A:SER:HB3	6	0.7
(2,139)	1:7:A:THR:HG23	1:4:A:SER:HB3	6	0.7
(2,139)	1:7:A:THR:HG21	1:4:A:SER:HB3	14	0.7
(2,139)	1:7:A:THR:HG22	1:4:A:SER:HB3	14	0.7
(2,139)	1:7:A:THR:HG23	1:4:A:SER:HB3	14	0.7
(2,101)	1:5:A:ALA:HA	1:8:A:ASP:HB2	12	0.7
(2,101)	1:5:A:ALA:HA	1:8:A:ASP:HB2	14	0.7
(2,101)	1:5:A:ALA:HA	1:8:A:ASP:HB2	16	0.7
(2,73)	1:81:A:ILE:HD11	1:51:A:PHE:HA	8	0.7
(2,73)	1:81:A:ILE:HD12	1:51:A:PHE:HA	8	0.7
(2,73)	1:81:A:ILE:HD13	1:51:A:PHE:HA	8	0.7
(2,65)	1:81:A:ILE:HD11	1:56:A:ILE:HG12	11	0.7
(2,65)	1:81:A:ILE:HD12	1:56:A:ILE:HG12	11	0.7
(2,65)	1:81:A:ILE:HD13	1:56:A:ILE:HG12	11	0.7
(2,60)	1:81:A:ILE:HD11	1:64:A:LEU:HG	2	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,60)	1:81:A:ILE:HD12	1:64:A:LEU:HG	2	0.7
(2,60)	1:81:A:ILE:HD13	1:64:A:LEU:HG	2	0.7
(2,60)	1:81:A:ILE:HD11	1:64:A:LEU:HG	9	0.7
(2,60)	1:81:A:ILE:HD12	1:64:A:LEU:HG	9	0.7
(2,60)	1:81:A:ILE:HD13	1:64:A:LEU:HG	9	0.7
(2,60)	1:81:A:ILE:HD11	1:64:A:LEU:HG	12	0.7
(2,60)	1:81:A:ILE:HD12	1:64:A:LEU:HG	12	0.7
(2,60)	1:81:A:ILE:HD13	1:64:A:LEU:HG	12	0.7
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG21	10	0.7
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG22	10	0.7
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG23	10	0.7
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG21	10	0.7
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG22	10	0.7
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG23	10	0.7
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG21	12	0.7
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG22	12	0.7
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG23	12	0.7
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG21	12	0.7
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG22	12	0.7
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG23	12	0.7
(1,602)	1:57:A:ASP:H	1:57:A:ASP:HB3	8	0.7
(1,469)	1:8:A:ASP:H	1:7:A:THR:HB	10	0.7
(1,389)	1:65:A:ARG:HE	1:65:A:ARG:HG2	8	0.7
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD21	5	0.7
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD22	5	0.7
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD23	5	0.7
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD21	15	0.7
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD22	15	0.7
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD23	15	0.7
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD21	5	0.7
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD22	5	0.7
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD23	5	0.7
(1,127)	1:69:A:THR:H	1:68:A:LEU:HB2	16	0.7
(2,1893)	1:90:A:LEU:HD21	1:81:A:ILE:HG12	3	0.69
(2,1893)	1:90:A:LEU:HD22	1:81:A:ILE:HG12	3	0.69
(2,1893)	1:90:A:LEU:HD23	1:81:A:ILE:HG12	3	0.69
(2,1893)	1:90:A:LEU:HD21	1:81:A:ILE:HG12	5	0.69
(2,1893)	1:90:A:LEU:HD22	1:81:A:ILE:HG12	5	0.69
(2,1893)	1:90:A:LEU:HD23	1:81:A:ILE:HG12	5	0.69
(2,1864)	1:65:A:ARG:HD3	1:66:A:ASN:HA	16	0.69
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG21	1	0.69
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG22	1	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG23	1	0.69
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG21	5	0.69
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG22	5	0.69
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG23	5	0.69
(2,1798)	1:99:A:THR:HG21	1:99:A:THR:H	4	0.69
(2,1798)	1:99:A:THR:HG22	1:99:A:THR:H	4	0.69
(2,1798)	1:99:A:THR:HG23	1:99:A:THR:H	4	0.69
(2,1673)	1:90:A:LEU:HB3	1:91:A:THR:H	15	0.69
(2,1645)	1:89:A:ALA:HB1	1:90:A:LEU:HB3	11	0.69
(2,1645)	1:89:A:ALA:HB2	1:90:A:LEU:HB3	11	0.69
(2,1645)	1:89:A:ALA:HB3	1:90:A:LEU:HB3	11	0.69
(2,1645)	1:89:A:ALA:HB1	1:90:A:LEU:HB3	15	0.69
(2,1645)	1:89:A:ALA:HB2	1:90:A:LEU:HB3	15	0.69
(2,1645)	1:89:A:ALA:HB3	1:90:A:LEU:HB3	15	0.69
(2,1624)	1:87:A:PRO:HB2	1:26:A:ALA:HA	11	0.69
(2,1624)	1:87:A:PRO:HB2	1:26:A:ALA:HA	12	0.69
(2,1620)	1:87:A:PRO:HA	1:90:A:LEU:HB3	8	0.69
(2,1614)	1:87:A:PRO:HA	1:51:A:PHE:HZ	1	0.69
(2,1614)	1:87:A:PRO:HA	1:51:A:PHE:HZ	2	0.69
(2,1571)	1:84:A:HIS:HD2	1:83:A:ASP:HB3	9	0.69
(2,1529)	1:16:A:LEU:HB3	1:21:A:GLN:H	12	0.69
(2,1528)	1:16:A:LEU:HB3	1:17:A:SER:H	7	0.69
(2,1522)	1:16:A:LEU:HB2	1:13:A:LEU:HA	1	0.69
(2,1519)	1:16:A:LEU:HB2	1:21:A:GLN:HG3	11	0.69
(2,1497)	1:79:A:THR:HA	1:79:A:THR:H	10	0.69
(2,1497)	1:79:A:THR:HA	1:79:A:THR:H	14	0.69
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG21	16	0.69
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG22	16	0.69
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG23	16	0.69
(2,1446)	1:95:A:HIS:HB3	1:96:A:THR:H	9	0.69
(2,1442)	1:88:A:HIS:HB3	1:89:A:ALA:H	13	0.69
(2,1392)	1:81:A:ILE:HG12	1:81:A:ILE:H	2	0.69
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB1	8	0.69
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB2	8	0.69
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB3	8	0.69
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD11	5	0.69
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD12	5	0.69
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD13	5	0.69
(2,1212)	1:63:A:GLU:HA	1:66:A:ASN:HD21	15	0.69
(2,1193)	1:62:A:LEU:HB3	1:65:A:ARG:HB2	16	0.69
(2,1122)	1:56:A:ILE:HG21	1:51:A:PHE:HB3	6	0.69
(2,1122)	1:56:A:ILE:HG22	1:51:A:PHE:HB3	6	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1122)	1:56:A:ILE:HG23	1:51:A:PHE:HB3	6	0.69
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG21	1	0.69
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG22	1	0.69
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG23	1	0.69
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG21	1	0.69
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG22	1	0.69
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG23	1	0.69
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG21	1	0.69
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG22	1	0.69
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG23	1	0.69
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG21	11	0.69
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG22	11	0.69
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG23	11	0.69
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG21	11	0.69
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG22	11	0.69
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG23	11	0.69
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG21	11	0.69
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG22	11	0.69
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG23	11	0.69
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD11	16	0.69
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD12	16	0.69
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD13	16	0.69
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD21	2	0.69
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD22	2	0.69
(2,1084)	1:55:A:GLY:HA3	1:37:A:LEU:HD23	2	0.69
(2,1026)	1:51:A:PHE:HB2	1:52:A:LYS:H	14	0.69
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD21	2	0.69
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD22	2	0.69
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD23	2	0.69
(2,923)	1:101:A:SER:HB2	1:102:A:HIS:H	7	0.69
(2,900)	1:41:A:THR:HG21	1:43:A:GLU:HB3	10	0.69
(2,900)	1:41:A:THR:HG22	1:43:A:GLU:HB3	10	0.69
(2,900)	1:41:A:THR:HG23	1:43:A:GLU:HB3	10	0.69
(2,851)	1:74:A:LEU:HD21	1:75:A:ASP:H	5	0.69
(2,851)	1:74:A:LEU:HD22	1:75:A:ASP:H	5	0.69
(2,851)	1:74:A:LEU:HD23	1:75:A:ASP:H	5	0.69
(2,769)	1:34:A:ALA:HB1	1:42:A:PRO:HG2	4	0.69
(2,769)	1:34:A:ALA:HB2	1:42:A:PRO:HG2	4	0.69
(2,769)	1:34:A:ALA:HB3	1:42:A:PRO:HG2	4	0.69
(2,769)	1:34:A:ALA:HB1	1:42:A:PRO:HG2	14	0.69
(2,769)	1:34:A:ALA:HB2	1:42:A:PRO:HG2	14	0.69
(2,769)	1:34:A:ALA:HB3	1:42:A:PRO:HG2	14	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,649)	1:28:A:LEU:HD21	1:71:A:ASN:HB2	3	0.69
(2,649)	1:28:A:LEU:HD22	1:71:A:ASN:HB2	3	0.69
(2,649)	1:28:A:LEU:HD23	1:71:A:ASN:HB2	3	0.69
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD21	12	0.69
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD22	12	0.69
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD23	12	0.69
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD21	12	0.69
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD22	12	0.69
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD23	12	0.69
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD21	12	0.69
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD22	12	0.69
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD23	12	0.69
(2,537)	1:24:A:THR:HG21	1:25:A:LEU:HB2	8	0.69
(2,537)	1:24:A:THR:HG22	1:25:A:LEU:HB2	8	0.69
(2,537)	1:24:A:THR:HG23	1:25:A:LEU:HB2	8	0.69
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD21	1	0.69
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD22	1	0.69
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD23	1	0.69
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD21	12	0.69
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD22	12	0.69
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD23	12	0.69
(2,448)	1:63:A:GLU:HB2	1:36:A:VAL:HA	9	0.69
(2,448)	1:63:A:GLU:HB2	1:36:A:VAL:HA	16	0.69
(2,425)	1:21:A:GLN:HB3	1:21:A:GLN:HG2	2	0.69
(2,425)	1:21:A:GLN:HB3	1:21:A:GLN:HG2	5	0.69
(2,425)	1:21:A:GLN:HB3	1:21:A:GLN:HG2	8	0.69
(2,425)	1:21:A:GLN:HB3	1:21:A:GLN:HG2	14	0.69
(2,370)	1:17:A:SER:HB2	1:20:A:GLN:HG3	13	0.69
(2,368)	1:17:A:SER:HB3	1:18:A:PRO:HB3	9	0.69
(2,368)	1:17:A:SER:HB3	1:18:A:PRO:HB3	12	0.69
(2,368)	1:17:A:SER:HB3	1:18:A:PRO:HB3	14	0.69
(2,322)	1:87:A:PRO:HD2	1:88:A:HIS:H	5	0.69
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB1	5	0.69
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB2	5	0.69
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB3	5	0.69
(2,236)	1:31:A:ALA:HB1	1:42:A:PRO:HB2	16	0.69
(2,236)	1:31:A:ALA:HB2	1:42:A:PRO:HB2	16	0.69
(2,236)	1:31:A:ALA:HB3	1:42:A:PRO:HB2	16	0.69
(2,229)	1:10:A:ALA:HB1	1:14:A:ASN:HD22	13	0.69
(2,229)	1:10:A:ALA:HB2	1:14:A:ASN:HD22	13	0.69
(2,229)	1:10:A:ALA:HB3	1:14:A:ASN:HD22	13	0.69
(2,203)	1:72:A:THR:HA	1:9:A:LEU:HB2	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,191)	1:9:A:LEU:HA	1:12:A:ARG:HD3	10	0.69
(2,191)	1:9:A:LEU:HA	1:12:A:ARG:HD3	12	0.69
(2,191)	1:9:A:LEU:HA	1:12:A:ARG:HD3	13	0.69
(2,153)	1:71:A:ASN:HA	1:70:A:HIS:HB2	11	0.69
(2,60)	1:81:A:ILE:HD11	1:64:A:LEU:HG	1	0.69
(2,60)	1:81:A:ILE:HD12	1:64:A:LEU:HG	1	0.69
(2,60)	1:81:A:ILE:HD13	1:64:A:LEU:HG	1	0.69
(2,60)	1:81:A:ILE:HD11	1:64:A:LEU:HG	4	0.69
(2,60)	1:81:A:ILE:HD12	1:64:A:LEU:HG	4	0.69
(2,60)	1:81:A:ILE:HD13	1:64:A:LEU:HG	4	0.69
(2,60)	1:81:A:ILE:HD11	1:64:A:LEU:HG	8	0.69
(2,60)	1:81:A:ILE:HD12	1:64:A:LEU:HG	8	0.69
(2,60)	1:81:A:ILE:HD13	1:64:A:LEU:HG	8	0.69
(2,60)	1:81:A:ILE:HD11	1:64:A:LEU:HG	14	0.69
(2,60)	1:81:A:ILE:HD12	1:64:A:LEU:HG	14	0.69
(2,60)	1:81:A:ILE:HD13	1:64:A:LEU:HG	14	0.69
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD1	13	0.69
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD2	13	0.69
(1,602)	1:57:A:ASP:H	1:57:A:ASP:HB3	14	0.69
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG21	5	0.69
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG22	5	0.69
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG23	5	0.69
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG21	9	0.69
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG22	9	0.69
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG23	9	0.69
(1,469)	1:8:A:ASP:H	1:7:A:THR:HB	2	0.69
(1,469)	1:8:A:ASP:H	1:7:A:THR:HB	4	0.69
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD21	1	0.69
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD22	1	0.69
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD23	1	0.69
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD21	14	0.69
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD22	14	0.69
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD23	14	0.69
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD21	16	0.69
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD22	16	0.69
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD23	16	0.69
(1,279)	1:14:A:ASN:HD21	1:14:A:ASN:HB2	4	0.69
(1,274)	1:81:A:ILE:H	1:80:A:LEU:H	9	0.69
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD21	8	0.69
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD22	8	0.69
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD23	8	0.69
(1,250)	1:99:A:THR:H	1:99:A:THR:HG21	4	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:99:A:THR:H	1:99:A:THR:HG22	4	0.69
(1,250)	1:99:A:THR:H	1:99:A:THR:HG23	4	0.69
(1,205)	1:48:A:ALA:H	1:47:A:PRO:HD2	8	0.69
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD21	10	0.69
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD22	10	0.69
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD23	10	0.69
(1,191)	1:62:A:LEU:H	1:65:A:ARG:HB2	8	0.69
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD21	8	0.69
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD22	8	0.69
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD23	8	0.69
(1,127)	1:69:A:THR:H	1:68:A:LEU:HB2	13	0.69
(2,1920)	1:76:A:LEU:HB2	1:76:A:LEU:H	4	0.68
(2,1893)	1:90:A:LEU:HD21	1:81:A:ILE:HG12	2	0.68
(2,1893)	1:90:A:LEU:HD22	1:81:A:ILE:HG12	2	0.68
(2,1893)	1:90:A:LEU:HD23	1:81:A:ILE:HG12	2	0.68
(2,1893)	1:90:A:LEU:HD21	1:81:A:ILE:HG12	4	0.68
(2,1893)	1:90:A:LEU:HD22	1:81:A:ILE:HG12	4	0.68
(2,1893)	1:90:A:LEU:HD23	1:81:A:ILE:HG12	4	0.68
(2,1893)	1:90:A:LEU:HD21	1:81:A:ILE:HG12	16	0.68
(2,1893)	1:90:A:LEU:HD22	1:81:A:ILE:HG12	16	0.68
(2,1893)	1:90:A:LEU:HD23	1:81:A:ILE:HG12	16	0.68
(2,1871)	1:16:A:LEU:HD21	1:15:A:GLY:HA2	11	0.68
(2,1871)	1:16:A:LEU:HD22	1:15:A:GLY:HA2	11	0.68
(2,1871)	1:16:A:LEU:HD23	1:15:A:GLY:HA2	11	0.68
(2,1773)	1:97:A:ARG:HD2	1:100:A:GLN:H	13	0.68
(2,1763)	1:41:A:THR:HG21	1:40:A:HIS:HB2	7	0.68
(2,1763)	1:41:A:THR:HG22	1:40:A:HIS:HB2	7	0.68
(2,1763)	1:41:A:THR:HG23	1:40:A:HIS:HB2	7	0.68
(2,1673)	1:90:A:LEU:HB3	1:91:A:THR:H	3	0.68
(2,1645)	1:89:A:ALA:HB1	1:90:A:LEU:HB3	3	0.68
(2,1645)	1:89:A:ALA:HB2	1:90:A:LEU:HB3	3	0.68
(2,1645)	1:89:A:ALA:HB3	1:90:A:LEU:HB3	3	0.68
(2,1645)	1:89:A:ALA:HB1	1:90:A:LEU:HB3	16	0.68
(2,1645)	1:89:A:ALA:HB2	1:90:A:LEU:HB3	16	0.68
(2,1645)	1:89:A:ALA:HB3	1:90:A:LEU:HB3	16	0.68
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD21	6	0.68
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD22	6	0.68
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD23	6	0.68
(2,1614)	1:87:A:PRO:HA	1:51:A:PHE:HZ	5	0.68
(2,1614)	1:87:A:PRO:HA	1:51:A:PHE:HZ	10	0.68
(2,1549)	1:81:A:ILE:HB	1:82:A:PHE:H	2	0.68
(2,1549)	1:81:A:ILE:HB	1:82:A:PHE:H	13	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1539)	1:98:A:LEU:HB2	1:99:A:THR:H	16	0.68
(2,1525)	1:16:A:LEU:HB2	1:16:A:LEU:H	16	0.68
(2,1522)	1:16:A:LEU:HB2	1:13:A:LEU:HA	5	0.68
(2,1522)	1:16:A:LEU:HB2	1:13:A:LEU:HA	16	0.68
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG21	10	0.68
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG22	10	0.68
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG23	10	0.68
(2,1471)	1:74:A:LEU:HB2	1:74:A:LEU:H	15	0.68
(2,1471)	1:74:A:LEU:HB2	1:74:A:LEU:H	16	0.68
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB1	13	0.68
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB2	13	0.68
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB3	13	0.68
(2,1442)	1:88:A:HIS:HB3	1:89:A:ALA:H	1	0.68
(2,1392)	1:81:A:ILE:HG12	1:81:A:ILE:H	13	0.68
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB1	2	0.68
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB2	2	0.68
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB3	2	0.68
(2,1193)	1:62:A:LEU:HB3	1:65:A:ARG:HB2	15	0.68
(2,1122)	1:56:A:ILE:HG21	1:51:A:PHE:HB3	14	0.68
(2,1122)	1:56:A:ILE:HG22	1:51:A:PHE:HB3	14	0.68
(2,1122)	1:56:A:ILE:HG23	1:51:A:PHE:HB3	14	0.68
(2,1106)	1:81:A:ILE:HG21	1:85:A:PRO:HA	1	0.68
(2,1106)	1:81:A:ILE:HG22	1:85:A:PRO:HA	1	0.68
(2,1106)	1:81:A:ILE:HG23	1:85:A:PRO:HA	1	0.68
(2,1106)	1:81:A:ILE:HG21	1:85:A:PRO:HA	10	0.68
(2,1106)	1:81:A:ILE:HG22	1:85:A:PRO:HA	10	0.68
(2,1106)	1:81:A:ILE:HG23	1:85:A:PRO:HA	10	0.68
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD11	1	0.68
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD12	1	0.68
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD13	1	0.68
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD11	7	0.68
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD12	7	0.68
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD13	7	0.68
(2,1075)	1:54:A:LEU:HD21	1:45:A:ILE:HG13	8	0.68
(2,1075)	1:54:A:LEU:HD22	1:45:A:ILE:HG13	8	0.68
(2,1075)	1:54:A:LEU:HD23	1:45:A:ILE:HG13	8	0.68
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG21	4	0.68
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG22	4	0.68
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG23	4	0.68
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB1	9	0.68
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB2	9	0.68
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB3	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,939)	1:45:A:ILE:HG21	1:33:A:THR:HB	12	0.68
(2,939)	1:45:A:ILE:HG22	1:33:A:THR:HB	12	0.68
(2,939)	1:45:A:ILE:HG23	1:33:A:THR:HB	12	0.68
(2,913)	1:43:A:GLU:HG2	1:42:A:PRO:HA	7	0.68
(2,682)	1:62:A:LEU:HD11	1:78:A:PRO:HB2	13	0.68
(2,682)	1:62:A:LEU:HD12	1:78:A:PRO:HB2	13	0.68
(2,682)	1:62:A:LEU:HD13	1:78:A:PRO:HB2	13	0.68
(2,649)	1:28:A:LEU:HD21	1:71:A:ASN:HB2	8	0.68
(2,649)	1:28:A:LEU:HD22	1:71:A:ASN:HB2	8	0.68
(2,649)	1:28:A:LEU:HD23	1:71:A:ASN:HB2	8	0.68
(2,649)	1:28:A:LEU:HD21	1:71:A:ASN:HB2	9	0.68
(2,649)	1:28:A:LEU:HD22	1:71:A:ASN:HB2	9	0.68
(2,649)	1:28:A:LEU:HD23	1:71:A:ASN:HB2	9	0.68
(2,648)	1:28:A:LEU:HD21	1:71:A:ASN:HB3	11	0.68
(2,648)	1:28:A:LEU:HD22	1:71:A:ASN:HB3	11	0.68
(2,648)	1:28:A:LEU:HD23	1:71:A:ASN:HB3	11	0.68
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD1	7	0.68
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD2	7	0.68
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD1	7	0.68
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD2	7	0.68
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD1	7	0.68
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD2	7	0.68
(2,537)	1:24:A:THR:HG21	1:25:A:LEU:HB2	11	0.68
(2,537)	1:24:A:THR:HG22	1:25:A:LEU:HB2	11	0.68
(2,537)	1:24:A:THR:HG23	1:25:A:LEU:HB2	11	0.68
(2,534)	1:24:A:THR:HB	1:23:A:GLN:HB3	9	0.68
(2,508)	1:23:A:GLN:HB3	1:20:A:GLN:HA	6	0.68
(2,425)	1:21:A:GLN:HB3	1:21:A:GLN:HG2	7	0.68
(2,330)	1:14:A:ASN:HA	1:15:A:GLY:H	1	0.68
(2,330)	1:14:A:ASN:HA	1:15:A:GLY:H	3	0.68
(2,330)	1:14:A:ASN:HA	1:15:A:GLY:H	6	0.68
(2,330)	1:14:A:ASN:HA	1:15:A:GLY:H	9	0.68
(2,330)	1:14:A:ASN:HA	1:15:A:GLY:H	15	0.68
(2,322)	1:87:A:PRO:HD2	1:88:A:HIS:H	9	0.68
(2,320)	1:87:A:PRO:HD2	1:51:A:PHE:HA	11	0.68
(2,281)	1:12:A:ARG:HD3	1:12:A:ARG:H	11	0.68
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB1	8	0.68
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB2	8	0.68
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB3	8	0.68
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB1	10	0.68
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB2	10	0.68
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB3	10	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB1	12	0.68
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB2	12	0.68
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB3	12	0.68
(2,236)	1:31:A:ALA:HB1	1:42:A:PRO:HB2	13	0.68
(2,236)	1:31:A:ALA:HB2	1:42:A:PRO:HB2	13	0.68
(2,236)	1:31:A:ALA:HB3	1:42:A:PRO:HB2	13	0.68
(2,229)	1:10:A:ALA:HB1	1:14:A:ASN:HD22	5	0.68
(2,229)	1:10:A:ALA:HB2	1:14:A:ASN:HD22	5	0.68
(2,229)	1:10:A:ALA:HB3	1:14:A:ASN:HD22	5	0.68
(2,60)	1:81:A:ILE:HD11	1:64:A:LEU:HG	10	0.68
(2,60)	1:81:A:ILE:HD12	1:64:A:LEU:HG	10	0.68
(2,60)	1:81:A:ILE:HD13	1:64:A:LEU:HG	10	0.68
(1,471)	1:8:A:ASP:H	1:9:A:LEU:H	5	0.68
(1,471)	1:8:A:ASP:H	1:9:A:LEU:H	9	0.68
(1,444)	1:75:A:ASP:H	1:74:A:LEU:HD21	13	0.68
(1,444)	1:75:A:ASP:H	1:74:A:LEU:HD22	13	0.68
(1,444)	1:75:A:ASP:H	1:74:A:LEU:HD23	13	0.68
(1,389)	1:65:A:ARG:HE	1:65:A:ARG:HG2	13	0.68
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD21	4	0.68
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD22	4	0.68
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD23	4	0.68
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD21	13	0.68
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD22	13	0.68
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD23	13	0.68
(1,191)	1:62:A:LEU:H	1:65:A:ARG:HB2	14	0.68
(2,1920)	1:76:A:LEU:HB2	1:76:A:LEU:H	5	0.67
(2,1869)	1:65:A:ARG:HD2	1:65:A:ARG:HE	8	0.67
(2,1838)	1:13:A:LEU:HD21	1:14:A:ASN:HA	8	0.67
(2,1838)	1:13:A:LEU:HD22	1:14:A:ASN:HA	8	0.67
(2,1838)	1:13:A:LEU:HD23	1:14:A:ASN:HA	8	0.67
(2,1764)	1:97:A:ARG:HD2	1:97:A:ARG:HA	5	0.67
(2,1696)	1:91:A:THR:HA	1:25:A:LEU:HB3	10	0.67
(2,1684)	1:90:A:LEU:HD21	1:91:A:THR:HA	10	0.67
(2,1684)	1:90:A:LEU:HD22	1:91:A:THR:HA	10	0.67
(2,1684)	1:90:A:LEU:HD23	1:91:A:THR:HA	10	0.67
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD21	2	0.67
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD22	2	0.67
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD23	2	0.67
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD21	8	0.67
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD22	8	0.67
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD23	8	0.67
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD21	13	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD22	13	0.67
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD23	13	0.67
(2,1614)	1:87:A:PRO:HA	1:51:A:PHE:HZ	15	0.67
(2,1571)	1:84:A:HIS:HD2	1:83:A:ASP:HB3	1	0.67
(2,1571)	1:84:A:HIS:HD2	1:83:A:ASP:HB3	2	0.67
(2,1571)	1:84:A:HIS:HD2	1:83:A:ASP:HB3	4	0.67
(2,1538)	1:98:A:LEU:HB3	1:99:A:THR:H	11	0.67
(2,1522)	1:16:A:LEU:HB2	1:13:A:LEU:HA	10	0.67
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG21	5	0.67
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG22	5	0.67
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG23	5	0.67
(2,1471)	1:74:A:LEU:HB2	1:74:A:LEU:H	3	0.67
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB1	7	0.67
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB2	7	0.67
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB3	7	0.67
(2,1442)	1:88:A:HIS:HB3	1:89:A:ALA:H	7	0.67
(2,1442)	1:88:A:HIS:HB3	1:89:A:ALA:H	10	0.67
(2,1442)	1:88:A:HIS:HB3	1:89:A:ALA:H	11	0.67
(2,1442)	1:88:A:HIS:HB3	1:89:A:ALA:H	12	0.67
(2,1442)	1:88:A:HIS:HB3	1:89:A:ALA:H	14	0.67
(2,1413)	1:56:A:ILE:HD11	1:51:A:PHE:HB2	3	0.67
(2,1413)	1:56:A:ILE:HD12	1:51:A:PHE:HB2	3	0.67
(2,1413)	1:56:A:ILE:HD13	1:51:A:PHE:HB2	3	0.67
(2,1401)	1:45:A:ILE:HD11	1:34:A:ALA:HA	6	0.67
(2,1401)	1:45:A:ILE:HD12	1:34:A:ALA:HA	6	0.67
(2,1401)	1:45:A:ILE:HD13	1:34:A:ALA:HA	6	0.67
(2,1401)	1:45:A:ILE:HD11	1:34:A:ALA:HA	7	0.67
(2,1401)	1:45:A:ILE:HD12	1:34:A:ALA:HA	7	0.67
(2,1401)	1:45:A:ILE:HD13	1:34:A:ALA:HA	7	0.67
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB1	6	0.67
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB2	6	0.67
(2,1387)	1:81:A:ILE:HG13	1:61:A:ALA:HB3	6	0.67
(2,1369)	1:97:A:ARG:HB2	1:97:A:ARG:H	1	0.67
(2,1369)	1:97:A:ARG:HB2	1:97:A:ARG:H	3	0.67
(2,1369)	1:97:A:ARG:HB2	1:97:A:ARG:H	12	0.67
(2,1304)	1:66:A:ASN:HB2	1:66:A:ASN:H	11	0.67
(2,1296)	1:66:A:ASN:HB2	1:63:A:GLU:HA	11	0.67
(2,1192)	1:62:A:LEU:HB2	1:65:A:ARG:HB2	3	0.67
(2,1192)	1:62:A:LEU:HB2	1:65:A:ARG:HB2	10	0.67
(2,1122)	1:56:A:ILE:HG21	1:51:A:PHE:HB3	3	0.67
(2,1122)	1:56:A:ILE:HG22	1:51:A:PHE:HB3	3	0.67
(2,1122)	1:56:A:ILE:HG23	1:51:A:PHE:HB3	3	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1122)	1:56:A:ILE:HG21	1:51:A:PHE:HB3	4	0.67
(2,1122)	1:56:A:ILE:HG22	1:51:A:PHE:HB3	4	0.67
(2,1122)	1:56:A:ILE:HG23	1:51:A:PHE:HB3	4	0.67
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG21	9	0.67
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG22	9	0.67
(2,1113)	1:56:A:ILE:HG21	1:81:A:ILE:HG23	9	0.67
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG21	9	0.67
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG22	9	0.67
(2,1113)	1:56:A:ILE:HG22	1:81:A:ILE:HG23	9	0.67
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG21	9	0.67
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG22	9	0.67
(2,1113)	1:56:A:ILE:HG23	1:81:A:ILE:HG23	9	0.67
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD11	12	0.67
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD12	12	0.67
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD13	12	0.67
(2,1075)	1:54:A:LEU:HD21	1:45:A:ILE:HG13	6	0.67
(2,1075)	1:54:A:LEU:HD22	1:45:A:ILE:HG13	6	0.67
(2,1075)	1:54:A:LEU:HD23	1:45:A:ILE:HG13	6	0.67
(2,1064)	1:53:A:ASP:HB3	1:50:A:ALA:H	8	0.67
(2,1064)	1:53:A:ASP:HB3	1:50:A:ALA:H	9	0.67
(2,1043)	1:52:A:LYS:HB3	1:52:A:LYS:HE2	14	0.67
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG21	16	0.67
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG22	16	0.67
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG23	16	0.67
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD21	8	0.67
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD22	8	0.67
(2,1021)	1:51:A:PHE:HA	1:54:A:LEU:HD23	8	0.67
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB1	6	0.67
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB2	6	0.67
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB3	6	0.67
(2,939)	1:45:A:ILE:HG21	1:33:A:THR:HB	9	0.67
(2,939)	1:45:A:ILE:HG22	1:33:A:THR:HB	9	0.67
(2,939)	1:45:A:ILE:HG23	1:33:A:THR:HB	9	0.67
(2,649)	1:28:A:LEU:HD21	1:71:A:ASN:HB2	15	0.67
(2,649)	1:28:A:LEU:HD22	1:71:A:ASN:HB2	15	0.67
(2,649)	1:28:A:LEU:HD23	1:71:A:ASN:HB2	15	0.67
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD21	3	0.67
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD22	3	0.67
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD23	3	0.67
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD21	3	0.67
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD22	3	0.67
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD23	3	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD21	3	0.67
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD22	3	0.67
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD23	3	0.67
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD21	5	0.67
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD22	5	0.67
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD23	5	0.67
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD21	5	0.67
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD22	5	0.67
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD23	5	0.67
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD21	5	0.67
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD22	5	0.67
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD23	5	0.67
(2,537)	1:24:A:THR:HG21	1:25:A:LEU:HB2	12	0.67
(2,537)	1:24:A:THR:HG22	1:25:A:LEU:HB2	12	0.67
(2,537)	1:24:A:THR:HG23	1:25:A:LEU:HB2	12	0.67
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD21	8	0.67
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD22	8	0.67
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD23	8	0.67
(2,425)	1:21:A:GLN:HB3	1:21:A:GLN:HG2	1	0.67
(2,425)	1:21:A:GLN:HB3	1:21:A:GLN:HG2	3	0.67
(2,425)	1:21:A:GLN:HB3	1:21:A:GLN:HG2	6	0.67
(2,425)	1:21:A:GLN:HB3	1:21:A:GLN:HG2	11	0.67
(2,330)	1:14:A:ASN:HA	1:15:A:GLY:H	2	0.67
(2,330)	1:14:A:ASN:HA	1:15:A:GLY:H	4	0.67
(2,330)	1:14:A:ASN:HA	1:15:A:GLY:H	5	0.67
(2,330)	1:14:A:ASN:HA	1:15:A:GLY:H	7	0.67
(2,330)	1:14:A:ASN:HA	1:15:A:GLY:H	8	0.67
(2,330)	1:14:A:ASN:HA	1:15:A:GLY:H	10	0.67
(2,330)	1:14:A:ASN:HA	1:15:A:GLY:H	11	0.67
(2,330)	1:14:A:ASN:HA	1:15:A:GLY:H	14	0.67
(2,330)	1:14:A:ASN:HA	1:15:A:GLY:H	16	0.67
(2,322)	1:87:A:PRO:HD2	1:88:A:HIS:H	4	0.67
(2,322)	1:87:A:PRO:HD2	1:88:A:HIS:H	16	0.67
(2,281)	1:12:A:ARG:HD3	1:12:A:ARG:H	9	0.67
(2,281)	1:12:A:ARG:HD3	1:12:A:ARG:H	13	0.67
(2,191)	1:9:A:LEU:HA	1:12:A:ARG:HD3	8	0.67
(2,139)	1:7:A:THR:HG21	1:4:A:SER:HB3	1	0.67
(2,139)	1:7:A:THR:HG22	1:4:A:SER:HB3	1	0.67
(2,139)	1:7:A:THR:HG23	1:4:A:SER:HB3	1	0.67
(2,117)	1:6:A:ALA:HA	1:4:A:SER:HA	8	0.67
(2,90)	1:4:A:SER:HA	1:5:A:ALA:H	8	0.67
(2,65)	1:81:A:ILE:HD11	1:56:A:ILE:HG12	14	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,65)	1:81:A:ILE:HD12	1:56:A:ILE:HG12	14	0.67
(2,65)	1:81:A:ILE:HD13	1:56:A:ILE:HG12	14	0.67
(2,63)	1:81:A:ILE:HD11	1:64:A:LEU:HB3	4	0.67
(2,63)	1:81:A:ILE:HD12	1:64:A:LEU:HB3	4	0.67
(2,63)	1:81:A:ILE:HD13	1:64:A:LEU:HB3	4	0.67
(2,60)	1:81:A:ILE:HD11	1:64:A:LEU:HG	6	0.67
(2,60)	1:81:A:ILE:HD12	1:64:A:LEU:HG	6	0.67
(2,60)	1:81:A:ILE:HD13	1:64:A:LEU:HG	6	0.67
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG21	11	0.67
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG22	11	0.67
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG23	11	0.67
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG21	11	0.67
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG22	11	0.67
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG23	11	0.67
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG21	13	0.67
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG22	13	0.67
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG23	13	0.67
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG21	13	0.67
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG22	13	0.67
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG23	13	0.67
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD1	5	0.67
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD2	5	0.67
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD1	10	0.67
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD2	10	0.67
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG21	4	0.67
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG22	4	0.67
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG23	4	0.67
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG21	6	0.67
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG22	6	0.67
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG23	6	0.67
(1,389)	1:65:A:ARG:HE	1:65:A:ARG:HG2	1	0.67
(1,384)	1:71:A:ASN:HD21	1:71:A:ASN:H	12	0.67
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD21	2	0.67
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD22	2	0.67
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD23	2	0.67
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD21	9	0.67
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD22	9	0.67
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD23	9	0.67
(1,279)	1:14:A:ASN:HD21	1:14:A:ASN:HB2	1	0.67
(1,279)	1:14:A:ASN:HD21	1:14:A:ASN:HB2	6	0.67
(1,274)	1:81:A:ILE:H	1:80:A:LEU:H	11	0.67
(2,1920)	1:76:A:LEU:HB2	1:76:A:LEU:H	13	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1920)	1:76:A:LEU:HB2	1:76:A:LEU:H	15	0.66
(2,1893)	1:90:A:LEU:HD21	1:81:A:ILE:HG12	11	0.66
(2,1893)	1:90:A:LEU:HD22	1:81:A:ILE:HG12	11	0.66
(2,1893)	1:90:A:LEU:HD23	1:81:A:ILE:HG12	11	0.66
(2,1869)	1:65:A:ARG:HD2	1:65:A:ARG:HE	5	0.66
(2,1809)	1:101:A:SER:HB2	1:100:A:GLN:H	14	0.66
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG21	10	0.66
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG22	10	0.66
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG23	10	0.66
(2,1798)	1:99:A:THR:HG21	1:99:A:THR:H	1	0.66
(2,1798)	1:99:A:THR:HG22	1:99:A:THR:H	1	0.66
(2,1798)	1:99:A:THR:HG23	1:99:A:THR:H	1	0.66
(2,1768)	1:97:A:ARG:HG3	1:96:A:THR:HB	3	0.66
(2,1764)	1:97:A:ARG:HD2	1:97:A:ARG:HA	14	0.66
(2,1684)	1:90:A:LEU:HD21	1:91:A:THR:HA	6	0.66
(2,1684)	1:90:A:LEU:HD22	1:91:A:THR:HA	6	0.66
(2,1684)	1:90:A:LEU:HD23	1:91:A:THR:HA	6	0.66
(2,1645)	1:89:A:ALA:HB1	1:90:A:LEU:HB3	2	0.66
(2,1645)	1:89:A:ALA:HB2	1:90:A:LEU:HB3	2	0.66
(2,1645)	1:89:A:ALA:HB3	1:90:A:LEU:HB3	2	0.66
(2,1645)	1:89:A:ALA:HB1	1:90:A:LEU:HB3	13	0.66
(2,1645)	1:89:A:ALA:HB2	1:90:A:LEU:HB3	13	0.66
(2,1645)	1:89:A:ALA:HB3	1:90:A:LEU:HB3	13	0.66
(2,1614)	1:87:A:PRO:HA	1:51:A:PHE:HZ	12	0.66
(2,1571)	1:84:A:HIS:HD2	1:83:A:ASP:HB3	5	0.66
(2,1571)	1:84:A:HIS:HD2	1:83:A:ASP:HB3	6	0.66
(2,1571)	1:84:A:HIS:HD2	1:83:A:ASP:HB3	14	0.66
(2,1571)	1:84:A:HIS:HD2	1:83:A:ASP:HB3	16	0.66
(2,1549)	1:81:A:ILE:HB	1:82:A:PHE:H	10	0.66
(2,1549)	1:81:A:ILE:HB	1:82:A:PHE:H	14	0.66
(2,1540)	1:98:A:LEU:HB2	1:95:A:HIS:HA	9	0.66
(2,1539)	1:98:A:LEU:HB2	1:99:A:THR:H	14	0.66
(2,1537)	1:98:A:LEU:HB2	1:98:A:LEU:H	10	0.66
(2,1537)	1:98:A:LEU:HB2	1:98:A:LEU:H	15	0.66
(2,1529)	1:16:A:LEU:HB3	1:21:A:GLN:H	14	0.66
(2,1525)	1:16:A:LEU:HB2	1:16:A:LEU:H	6	0.66
(2,1469)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	14	0.66
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB1	6	0.66
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB2	6	0.66
(2,1464)	1:73:A:GLY:HA3	1:6:A:ALA:HB3	6	0.66
(2,1442)	1:88:A:HIS:HB3	1:89:A:ALA:H	3	0.66
(2,1413)	1:56:A:ILE:HD11	1:51:A:PHE:HB2	9	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1413)	1:56:A:ILE:HD12	1:51:A:PHE:HB2	9	0.66
(2,1413)	1:56:A:ILE:HD13	1:51:A:PHE:HB2	9	0.66
(2,1401)	1:45:A:ILE:HD11	1:34:A:ALA:HA	10	0.66
(2,1401)	1:45:A:ILE:HD12	1:34:A:ALA:HA	10	0.66
(2,1401)	1:45:A:ILE:HD13	1:34:A:ALA:HA	10	0.66
(2,1304)	1:66:A:ASN:HB2	1:66:A:ASN:H	7	0.66
(2,1212)	1:63:A:GLU:HA	1:66:A:ASN:HD21	14	0.66
(2,1192)	1:62:A:LEU:HB2	1:65:A:ARG:HB2	6	0.66
(2,1133)	1:58:A:SER:HB3	1:59:A:LEU:HG	1	0.66
(2,1122)	1:56:A:ILE:HG21	1:51:A:PHE:HB3	13	0.66
(2,1122)	1:56:A:ILE:HG22	1:51:A:PHE:HB3	13	0.66
(2,1122)	1:56:A:ILE:HG23	1:51:A:PHE:HB3	13	0.66
(2,1068)	1:54:A:LEU:HB3	1:54:A:LEU:HB2	4	0.66
(2,1064)	1:53:A:ASP:HB3	1:50:A:ALA:H	10	0.66
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB1	2	0.66
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB2	2	0.66
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB3	2	0.66
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB1	7	0.66
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB2	7	0.66
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB3	7	0.66
(2,939)	1:45:A:ILE:HG21	1:33:A:THR:HB	4	0.66
(2,939)	1:45:A:ILE:HG22	1:33:A:THR:HB	4	0.66
(2,939)	1:45:A:ILE:HG23	1:33:A:THR:HB	4	0.66
(2,914)	1:43:A:GLU:HG2	1:43:A:GLU:H	16	0.66
(2,888)	1:41:A:THR:HB	1:41:A:THR:HA	4	0.66
(2,888)	1:41:A:THR:HB	1:41:A:THR:HA	5	0.66
(2,888)	1:41:A:THR:HB	1:41:A:THR:HA	6	0.66
(2,888)	1:41:A:THR:HB	1:41:A:THR:HA	12	0.66
(2,888)	1:41:A:THR:HB	1:41:A:THR:HA	13	0.66
(2,888)	1:41:A:THR:HB	1:41:A:THR:HA	16	0.66
(2,649)	1:28:A:LEU:HD21	1:71:A:ASN:HB2	16	0.66
(2,649)	1:28:A:LEU:HD22	1:71:A:ASN:HB2	16	0.66
(2,649)	1:28:A:LEU:HD23	1:71:A:ASN:HB2	16	0.66
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD1	10	0.66
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD2	10	0.66
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD1	10	0.66
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD2	10	0.66
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD1	10	0.66
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD2	10	0.66
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD1	13	0.66
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD2	13	0.66
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD1	13	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD2	13	0.66
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD1	13	0.66
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD2	13	0.66
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD1	16	0.66
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD2	16	0.66
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD1	16	0.66
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD2	16	0.66
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD1	16	0.66
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD2	16	0.66
(2,537)	1:24:A:THR:HG21	1:25:A:LEU:HB2	1	0.66
(2,537)	1:24:A:THR:HG22	1:25:A:LEU:HB2	1	0.66
(2,537)	1:24:A:THR:HG23	1:25:A:LEU:HB2	1	0.66
(2,537)	1:24:A:THR:HG21	1:25:A:LEU:HB2	10	0.66
(2,537)	1:24:A:THR:HG22	1:25:A:LEU:HB2	10	0.66
(2,537)	1:24:A:THR:HG23	1:25:A:LEU:HB2	10	0.66
(2,534)	1:24:A:THR:HB	1:23:A:GLN:HB3	1	0.66
(2,534)	1:24:A:THR:HB	1:23:A:GLN:HB3	15	0.66
(2,454)	1:20:A:GLN:HB2	1:17:A:SER:H	9	0.66
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD21	2	0.66
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD22	2	0.66
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD23	2	0.66
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD21	4	0.66
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD22	4	0.66
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD23	4	0.66
(2,313)	1:85:A:PRO:HD2	1:84:A:HIS:HA	7	0.66
(2,313)	1:85:A:PRO:HD2	1:84:A:HIS:HA	13	0.66
(2,313)	1:85:A:PRO:HD2	1:84:A:HIS:HA	16	0.66
(2,229)	1:10:A:ALA:HB1	1:14:A:ASN:HD22	9	0.66
(2,229)	1:10:A:ALA:HB2	1:14:A:ASN:HD22	9	0.66
(2,229)	1:10:A:ALA:HB3	1:14:A:ASN:HD22	9	0.66
(2,229)	1:10:A:ALA:HB1	1:14:A:ASN:HD22	11	0.66
(2,229)	1:10:A:ALA:HB2	1:14:A:ASN:HD22	11	0.66
(2,229)	1:10:A:ALA:HB3	1:14:A:ASN:HD22	11	0.66
(2,191)	1:9:A:LEU:HA	1:12:A:ARG:HD3	9	0.66
(2,153)	1:71:A:ASN:HA	1:70:A:HIS:HB2	1	0.66
(2,139)	1:7:A:THR:HG21	1:4:A:SER:HB3	9	0.66
(2,139)	1:7:A:THR:HG22	1:4:A:SER:HB3	9	0.66
(2,139)	1:7:A:THR:HG23	1:4:A:SER:HB3	9	0.66
(2,139)	1:7:A:THR:HG21	1:4:A:SER:HB3	10	0.66
(2,139)	1:7:A:THR:HG22	1:4:A:SER:HB3	10	0.66
(2,139)	1:7:A:THR:HG23	1:4:A:SER:HB3	10	0.66
(2,135)	1:7:A:THR:HG21	1:7:A:THR:H	9	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,135)	1:7:A:THR:HG22	1:7:A:THR:H	9	0.66
(2,135)	1:7:A:THR:HG23	1:7:A:THR:H	9	0.66
(2,63)	1:81:A:ILE:HD11	1:64:A:LEU:HB3	6	0.66
(2,63)	1:81:A:ILE:HD12	1:64:A:LEU:HB3	6	0.66
(2,63)	1:81:A:ILE:HD13	1:64:A:LEU:HB3	6	0.66
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD11	9	0.66
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD12	9	0.66
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD13	9	0.66
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD11	9	0.66
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD12	9	0.66
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD13	9	0.66
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD11	9	0.66
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD12	9	0.66
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD13	9	0.66
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD1	6	0.66
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD2	6	0.66
(1,602)	1:57:A:ASP:H	1:57:A:ASP:HB3	3	0.66
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG21	3	0.66
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG22	3	0.66
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG23	3	0.66
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG21	7	0.66
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG22	7	0.66
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG23	7	0.66
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG21	8	0.66
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG22	8	0.66
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG23	8	0.66
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG21	15	0.66
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG22	15	0.66
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG23	15	0.66
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG21	16	0.66
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG22	16	0.66
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG23	16	0.66
(1,469)	1:8:A:ASP:H	1:7:A:THR:HB	1	0.66
(1,469)	1:8:A:ASP:H	1:7:A:THR:HB	7	0.66
(1,389)	1:65:A:ARG:HE	1:65:A:ARG:HG2	5	0.66
(1,389)	1:65:A:ARG:HE	1:65:A:ARG:HG2	7	0.66
(1,389)	1:65:A:ARG:HE	1:65:A:ARG:HG2	10	0.66
(1,389)	1:65:A:ARG:HE	1:65:A:ARG:HG2	16	0.66
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD21	8	0.66
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD22	8	0.66
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD23	8	0.66
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD21	10	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD22	10	0.66
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD23	10	0.66
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD21	13	0.66
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD22	13	0.66
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD23	13	0.66
(1,274)	1:81:A:ILE:H	1:80:A:LEU:H	3	0.66
(1,274)	1:81:A:ILE:H	1:80:A:LEU:H	16	0.66
(1,250)	1:99:A:THR:H	1:99:A:THR:HG21	1	0.66
(1,250)	1:99:A:THR:H	1:99:A:THR:HG22	1	0.66
(1,250)	1:99:A:THR:H	1:99:A:THR:HG23	1	0.66
(1,191)	1:62:A:LEU:H	1:65:A:ARG:HB2	2	0.66
(2,1920)	1:76:A:LEU:HB2	1:76:A:LEU:H	2	0.65
(2,1893)	1:90:A:LEU:HD21	1:81:A:ILE:HG12	6	0.65
(2,1893)	1:90:A:LEU:HD22	1:81:A:ILE:HG12	6	0.65
(2,1893)	1:90:A:LEU:HD23	1:81:A:ILE:HG12	6	0.65
(2,1869)	1:65:A:ARG:HD2	1:65:A:ARG:HE	10	0.65
(2,1869)	1:65:A:ARG:HD2	1:65:A:ARG:HE	12	0.65
(2,1869)	1:65:A:ARG:HD2	1:65:A:ARG:HE	13	0.65
(2,1869)	1:65:A:ARG:HD2	1:65:A:ARG:HE	15	0.65
(2,1868)	1:65:A:ARG:HD3	1:66:A:ASN:H	3	0.65
(2,1820)	1:5:A:ALA:HB1	1:5:A:ALA:H	11	0.65
(2,1820)	1:5:A:ALA:HB2	1:5:A:ALA:H	11	0.65
(2,1820)	1:5:A:ALA:HB3	1:5:A:ALA:H	11	0.65
(2,1820)	1:5:A:ALA:HB1	1:5:A:ALA:H	13	0.65
(2,1820)	1:5:A:ALA:HB2	1:5:A:ALA:H	13	0.65
(2,1820)	1:5:A:ALA:HB3	1:5:A:ALA:H	13	0.65
(2,1820)	1:5:A:ALA:HB1	1:5:A:ALA:H	16	0.65
(2,1820)	1:5:A:ALA:HB2	1:5:A:ALA:H	16	0.65
(2,1820)	1:5:A:ALA:HB3	1:5:A:ALA:H	16	0.65
(2,1764)	1:97:A:ARG:HD2	1:97:A:ARG:HA	9	0.65
(2,1764)	1:97:A:ARG:HD2	1:97:A:ARG:HA	16	0.65
(2,1740)	1:94:A:LEU:HA	1:97:A:ARG:HB2	2	0.65
(2,1740)	1:94:A:LEU:HA	1:97:A:ARG:HB2	5	0.65
(2,1684)	1:90:A:LEU:HD21	1:91:A:THR:HA	7	0.65
(2,1684)	1:90:A:LEU:HD22	1:91:A:THR:HA	7	0.65
(2,1684)	1:90:A:LEU:HD23	1:91:A:THR:HA	7	0.65
(2,1673)	1:90:A:LEU:HB3	1:91:A:THR:H	6	0.65
(2,1673)	1:90:A:LEU:HB3	1:91:A:THR:H	11	0.65
(2,1673)	1:90:A:LEU:HB3	1:91:A:THR:H	16	0.65
(2,1614)	1:87:A:PRO:HA	1:51:A:PHE:HZ	9	0.65
(2,1614)	1:87:A:PRO:HA	1:51:A:PHE:HZ	16	0.65
(2,1577)	1:84:A:HIS:HB3	1:84:A:HIS:HB2	1	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1577)	1:84:A:HIS:HB3	1:84:A:HIS:HB2	2	0.65
(2,1577)	1:84:A:HIS:HB3	1:84:A:HIS:HB2	3	0.65
(2,1577)	1:84:A:HIS:HB3	1:84:A:HIS:HB2	4	0.65
(2,1577)	1:84:A:HIS:HB3	1:84:A:HIS:HB2	5	0.65
(2,1577)	1:84:A:HIS:HB3	1:84:A:HIS:HB2	6	0.65
(2,1577)	1:84:A:HIS:HB3	1:84:A:HIS:HB2	7	0.65
(2,1577)	1:84:A:HIS:HB3	1:84:A:HIS:HB2	10	0.65
(2,1577)	1:84:A:HIS:HB3	1:84:A:HIS:HB2	11	0.65
(2,1577)	1:84:A:HIS:HB3	1:84:A:HIS:HB2	12	0.65
(2,1577)	1:84:A:HIS:HB3	1:84:A:HIS:HB2	13	0.65
(2,1577)	1:84:A:HIS:HB3	1:84:A:HIS:HB2	14	0.65
(2,1577)	1:84:A:HIS:HB3	1:84:A:HIS:HB2	15	0.65
(2,1577)	1:84:A:HIS:HB3	1:84:A:HIS:HB2	16	0.65
(2,1549)	1:81:A:ILE:HB	1:82:A:PHE:H	4	0.65
(2,1549)	1:81:A:ILE:HB	1:82:A:PHE:H	6	0.65
(2,1538)	1:98:A:LEU:HB3	1:99:A:THR:H	16	0.65
(2,1469)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	1	0.65
(2,1469)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	2	0.65
(2,1469)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	3	0.65
(2,1469)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	4	0.65
(2,1469)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	5	0.65
(2,1469)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	6	0.65
(2,1469)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	7	0.65
(2,1469)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	8	0.65
(2,1469)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	9	0.65
(2,1469)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	10	0.65
(2,1469)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	11	0.65
(2,1469)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	12	0.65
(2,1469)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	13	0.65
(2,1469)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	15	0.65
(2,1469)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	16	0.65
(2,1413)	1:56:A:ILE:HD11	1:51:A:PHE:HB2	6	0.65
(2,1413)	1:56:A:ILE:HD12	1:51:A:PHE:HB2	6	0.65
(2,1413)	1:56:A:ILE:HD13	1:51:A:PHE:HB2	6	0.65
(2,1413)	1:56:A:ILE:HD11	1:51:A:PHE:HB2	13	0.65
(2,1413)	1:56:A:ILE:HD12	1:51:A:PHE:HB2	13	0.65
(2,1413)	1:56:A:ILE:HD13	1:51:A:PHE:HB2	13	0.65
(2,1413)	1:56:A:ILE:HD11	1:51:A:PHE:HB2	14	0.65
(2,1413)	1:56:A:ILE:HD12	1:51:A:PHE:HB2	14	0.65
(2,1413)	1:56:A:ILE:HD13	1:51:A:PHE:HB2	14	0.65
(2,1413)	1:56:A:ILE:HD11	1:51:A:PHE:HB2	15	0.65
(2,1413)	1:56:A:ILE:HD12	1:51:A:PHE:HB2	15	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1413)	1:56:A:ILE:HD13	1:51:A:PHE:HB2	15	0.65
(2,1401)	1:45:A:ILE:HD11	1:34:A:ALA:HA	1	0.65
(2,1401)	1:45:A:ILE:HD12	1:34:A:ALA:HA	1	0.65
(2,1401)	1:45:A:ILE:HD13	1:34:A:ALA:HA	1	0.65
(2,1392)	1:81:A:ILE:HG12	1:81:A:ILE:H	3	0.65
(2,1392)	1:81:A:ILE:HG12	1:81:A:ILE:H	6	0.65
(2,1376)	1:97:A:ARG:HB2	1:97:A:ARG:HB3	1	0.65
(2,1376)	1:97:A:ARG:HB2	1:97:A:ARG:HB3	2	0.65
(2,1376)	1:97:A:ARG:HB2	1:97:A:ARG:HB3	3	0.65
(2,1376)	1:97:A:ARG:HB2	1:97:A:ARG:HB3	5	0.65
(2,1376)	1:97:A:ARG:HB2	1:97:A:ARG:HB3	6	0.65
(2,1376)	1:97:A:ARG:HB2	1:97:A:ARG:HB3	9	0.65
(2,1376)	1:97:A:ARG:HB2	1:97:A:ARG:HB3	12	0.65
(2,1376)	1:97:A:ARG:HB2	1:97:A:ARG:HB3	14	0.65
(2,1376)	1:97:A:ARG:HB2	1:97:A:ARG:HB3	16	0.65
(2,1374)	1:97:A:ARG:HD2	1:97:A:ARG:HB3	7	0.65
(2,1369)	1:97:A:ARG:HB2	1:97:A:ARG:H	9	0.65
(2,1369)	1:97:A:ARG:HB2	1:97:A:ARG:H	16	0.65
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD11	12	0.65
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD12	12	0.65
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD13	12	0.65
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD11	15	0.65
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD12	15	0.65
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD13	15	0.65
(2,1212)	1:63:A:GLU:HA	1:66:A:ASN:HD21	12	0.65
(2,1143)	1:59:A:LEU:HD11	1:59:A:LEU:HA	8	0.65
(2,1143)	1:59:A:LEU:HD12	1:59:A:LEU:HA	8	0.65
(2,1143)	1:59:A:LEU:HD13	1:59:A:LEU:HA	8	0.65
(2,1143)	1:59:A:LEU:HD11	1:59:A:LEU:HA	14	0.65
(2,1143)	1:59:A:LEU:HD12	1:59:A:LEU:HA	14	0.65
(2,1143)	1:59:A:LEU:HD13	1:59:A:LEU:HA	14	0.65
(2,1122)	1:56:A:ILE:HG21	1:51:A:PHE:HB3	9	0.65
(2,1122)	1:56:A:ILE:HG22	1:51:A:PHE:HB3	9	0.65
(2,1122)	1:56:A:ILE:HG23	1:51:A:PHE:HB3	9	0.65
(2,1122)	1:56:A:ILE:HG21	1:51:A:PHE:HB3	10	0.65
(2,1122)	1:56:A:ILE:HG22	1:51:A:PHE:HB3	10	0.65
(2,1122)	1:56:A:ILE:HG23	1:51:A:PHE:HB3	10	0.65
(2,1122)	1:56:A:ILE:HG21	1:51:A:PHE:HB3	12	0.65
(2,1122)	1:56:A:ILE:HG22	1:51:A:PHE:HB3	12	0.65
(2,1122)	1:56:A:ILE:HG23	1:51:A:PHE:HB3	12	0.65
(2,1122)	1:56:A:ILE:HG21	1:51:A:PHE:HB3	15	0.65
(2,1122)	1:56:A:ILE:HG22	1:51:A:PHE:HB3	15	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1122)	1:56:A:ILE:HG23	1:51:A:PHE:HB3	15	0.65
(2,1068)	1:54:A:LEU:HB3	1:54:A:LEU:HB2	1	0.65
(2,1068)	1:54:A:LEU:HB3	1:54:A:LEU:HB2	2	0.65
(2,1068)	1:54:A:LEU:HB3	1:54:A:LEU:HB2	3	0.65
(2,1068)	1:54:A:LEU:HB3	1:54:A:LEU:HB2	5	0.65
(2,1068)	1:54:A:LEU:HB3	1:54:A:LEU:HB2	6	0.65
(2,1068)	1:54:A:LEU:HB3	1:54:A:LEU:HB2	7	0.65
(2,1068)	1:54:A:LEU:HB3	1:54:A:LEU:HB2	8	0.65
(2,1068)	1:54:A:LEU:HB3	1:54:A:LEU:HB2	9	0.65
(2,1068)	1:54:A:LEU:HB3	1:54:A:LEU:HB2	10	0.65
(2,1068)	1:54:A:LEU:HB3	1:54:A:LEU:HB2	11	0.65
(2,1068)	1:54:A:LEU:HB3	1:54:A:LEU:HB2	12	0.65
(2,1068)	1:54:A:LEU:HB3	1:54:A:LEU:HB2	13	0.65
(2,1068)	1:54:A:LEU:HB3	1:54:A:LEU:HB2	14	0.65
(2,1068)	1:54:A:LEU:HB3	1:54:A:LEU:HB2	15	0.65
(2,1068)	1:54:A:LEU:HB3	1:54:A:LEU:HB2	16	0.65
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD11	9	0.65
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD12	9	0.65
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD13	9	0.65
(2,939)	1:45:A:ILE:HG21	1:33:A:THR:HB	16	0.65
(2,939)	1:45:A:ILE:HG22	1:33:A:THR:HB	16	0.65
(2,939)	1:45:A:ILE:HG23	1:33:A:THR:HB	16	0.65
(2,913)	1:43:A:GLU:HG2	1:42:A:PRO:HA	8	0.65
(2,888)	1:41:A:THR:HB	1:41:A:THR:HA	1	0.65
(2,850)	1:74:A:LEU:HD21	1:74:A:LEU:HA	2	0.65
(2,850)	1:74:A:LEU:HD22	1:74:A:LEU:HA	2	0.65
(2,850)	1:74:A:LEU:HD23	1:74:A:LEU:HA	2	0.65
(2,850)	1:74:A:LEU:HD21	1:74:A:LEU:HA	12	0.65
(2,850)	1:74:A:LEU:HD22	1:74:A:LEU:HA	12	0.65
(2,850)	1:74:A:LEU:HD23	1:74:A:LEU:HA	12	0.65
(2,850)	1:74:A:LEU:HD21	1:74:A:LEU:HA	14	0.65
(2,850)	1:74:A:LEU:HD22	1:74:A:LEU:HA	14	0.65
(2,850)	1:74:A:LEU:HD23	1:74:A:LEU:HA	14	0.65
(2,835)	1:37:A:LEU:HB2	1:37:A:LEU:HB3	1	0.65
(2,835)	1:37:A:LEU:HB2	1:37:A:LEU:HB3	2	0.65
(2,835)	1:37:A:LEU:HB2	1:37:A:LEU:HB3	3	0.65
(2,835)	1:37:A:LEU:HB2	1:37:A:LEU:HB3	4	0.65
(2,835)	1:37:A:LEU:HB2	1:37:A:LEU:HB3	5	0.65
(2,835)	1:37:A:LEU:HB2	1:37:A:LEU:HB3	6	0.65
(2,835)	1:37:A:LEU:HB2	1:37:A:LEU:HB3	7	0.65
(2,835)	1:37:A:LEU:HB2	1:37:A:LEU:HB3	8	0.65
(2,835)	1:37:A:LEU:HB2	1:37:A:LEU:HB3	9	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,835)	1:37:A:LEU:HB2	1:37:A:LEU:HB3	10	0.65
(2,835)	1:37:A:LEU:HB2	1:37:A:LEU:HB3	11	0.65
(2,835)	1:37:A:LEU:HB2	1:37:A:LEU:HB3	12	0.65
(2,835)	1:37:A:LEU:HB2	1:37:A:LEU:HB3	13	0.65
(2,835)	1:37:A:LEU:HB2	1:37:A:LEU:HB3	14	0.65
(2,835)	1:37:A:LEU:HB2	1:37:A:LEU:HB3	15	0.65
(2,835)	1:37:A:LEU:HB2	1:37:A:LEU:HB3	16	0.65
(2,649)	1:28:A:LEU:HD21	1:71:A:ASN:HB2	14	0.65
(2,649)	1:28:A:LEU:HD22	1:71:A:ASN:HB2	14	0.65
(2,649)	1:28:A:LEU:HD23	1:71:A:ASN:HB2	14	0.65
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD1	6	0.65
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD2	6	0.65
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD1	6	0.65
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD2	6	0.65
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD1	6	0.65
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD2	6	0.65
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD21	9	0.65
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD22	9	0.65
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD23	9	0.65
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD21	9	0.65
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD22	9	0.65
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD23	9	0.65
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD21	9	0.65
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD22	9	0.65
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD23	9	0.65
(2,454)	1:20:A:GLN:HB2	1:17:A:SER:H	12	0.65
(2,454)	1:20:A:GLN:HB2	1:17:A:SER:H	14	0.65
(2,448)	1:63:A:GLU:HB2	1:36:A:VAL:HA	3	0.65
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD21	10	0.65
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD22	10	0.65
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD23	10	0.65
(2,418)	1:21:A:GLN:HB2	1:22:A:GLN:H	12	0.65
(2,367)	1:17:A:SER:HB3	1:17:A:SER:HB2	11	0.65
(2,330)	1:14:A:ASN:HA	1:15:A:GLY:H	13	0.65
(2,322)	1:87:A:PRO:HD2	1:88:A:HIS:H	2	0.65
(2,322)	1:87:A:PRO:HD2	1:88:A:HIS:H	10	0.65
(2,322)	1:87:A:PRO:HD2	1:88:A:HIS:H	15	0.65
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB1	9	0.65
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB2	9	0.65
(2,252)	1:12:A:ARG:HB3	1:11:A:ALA:HB3	9	0.65
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD21	6	0.65
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD22	6	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,249)	1:12:A:ARG:HB3	1:13:A:LEU:HD23	6	0.65
(2,229)	1:10:A:ALA:HB1	1:14:A:ASN:HD22	10	0.65
(2,229)	1:10:A:ALA:HB2	1:14:A:ASN:HD22	10	0.65
(2,229)	1:10:A:ALA:HB3	1:14:A:ASN:HD22	10	0.65
(2,217)	1:10:A:ALA:HA	1:9:A:LEU:HB2	5	0.65
(2,217)	1:10:A:ALA:HA	1:9:A:LEU:HB2	9	0.65
(2,203)	1:72:A:THR:HA	1:9:A:LEU:HB2	15	0.65
(2,191)	1:9:A:LEU:HA	1:12:A:ARG:HD3	4	0.65
(2,153)	1:71:A:ASN:HA	1:70:A:HIS:HB2	5	0.65
(2,142)	1:33:A:THR:HG21	1:54:A:LEU:HG	6	0.65
(2,142)	1:33:A:THR:HG22	1:54:A:LEU:HG	6	0.65
(2,142)	1:33:A:THR:HG23	1:54:A:LEU:HG	6	0.65
(2,135)	1:7:A:THR:HG21	1:7:A:THR:H	5	0.65
(2,135)	1:7:A:THR:HG22	1:7:A:THR:H	5	0.65
(2,135)	1:7:A:THR:HG23	1:7:A:THR:H	5	0.65
(2,65)	1:81:A:ILE:HD11	1:56:A:ILE:HG12	4	0.65
(2,65)	1:81:A:ILE:HD12	1:56:A:ILE:HG12	4	0.65
(2,65)	1:81:A:ILE:HD13	1:56:A:ILE:HG12	4	0.65
(2,63)	1:81:A:ILE:HD11	1:64:A:LEU:HB3	8	0.65
(2,63)	1:81:A:ILE:HD12	1:64:A:LEU:HB3	8	0.65
(2,63)	1:81:A:ILE:HD13	1:64:A:LEU:HB3	8	0.65
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG21	5	0.65
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG22	5	0.65
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG23	5	0.65
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG21	5	0.65
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG22	5	0.65
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG23	5	0.65
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD1	3	0.65
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD2	3	0.65
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD1	9	0.65
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD2	9	0.65
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD1	12	0.65
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD2	12	0.65
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD1	16	0.65
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD2	16	0.65
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG21	2	0.65
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG22	2	0.65
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG23	2	0.65
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG21	11	0.65
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG22	11	0.65
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG23	11	0.65
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG21	14	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG22	14	0.65
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG23	14	0.65
(1,584)	1:96:A:THR:H	1:92:A:GLN:HB2	7	0.65
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD21	5	0.65
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD22	5	0.65
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD23	5	0.65
(1,526)	1:20:A:GLN:H	1:20:A:GLN:HG3	4	0.65
(1,469)	1:8:A:ASP:H	1:7:A:THR:HB	6	0.65
(1,469)	1:8:A:ASP:H	1:7:A:THR:HB	14	0.65
(1,389)	1:65:A:ARG:HE	1:65:A:ARG:HG2	12	0.65
(1,366)	1:19:A:GLN:H	1:19:A:GLN:HG2	10	0.65
(1,279)	1:14:A:ASN:HD21	1:14:A:ASN:HB2	15	0.65
(1,279)	1:14:A:ASN:HD21	1:14:A:ASN:HB2	16	0.65
(1,274)	1:81:A:ILE:H	1:80:A:LEU:H	15	0.65
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD21	12	0.65
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD22	12	0.65
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD23	12	0.65
(2,1920)	1:76:A:LEU:HB2	1:76:A:LEU:H	1	0.64
(2,1893)	1:90:A:LEU:HD21	1:81:A:ILE:HG12	14	0.64
(2,1893)	1:90:A:LEU:HD22	1:81:A:ILE:HG12	14	0.64
(2,1893)	1:90:A:LEU:HD23	1:81:A:ILE:HG12	14	0.64
(2,1869)	1:65:A:ARG:HD2	1:65:A:ARG:HE	1	0.64
(2,1869)	1:65:A:ARG:HD2	1:65:A:ARG:HE	3	0.64
(2,1869)	1:65:A:ARG:HD2	1:65:A:ARG:HE	7	0.64
(2,1863)	1:65:A:ARG:HD3	1:65:A:ARG:HE	9	0.64
(2,1820)	1:5:A:ALA:HB1	1:5:A:ALA:H	2	0.64
(2,1820)	1:5:A:ALA:HB2	1:5:A:ALA:H	2	0.64
(2,1820)	1:5:A:ALA:HB3	1:5:A:ALA:H	2	0.64
(2,1820)	1:5:A:ALA:HB1	1:5:A:ALA:H	4	0.64
(2,1820)	1:5:A:ALA:HB2	1:5:A:ALA:H	4	0.64
(2,1820)	1:5:A:ALA:HB3	1:5:A:ALA:H	4	0.64
(2,1764)	1:97:A:ARG:HD2	1:97:A:ARG:HA	3	0.64
(2,1624)	1:87:A:PRO:HB2	1:26:A:ALA:HA	14	0.64
(2,1614)	1:87:A:PRO:HA	1:51:A:PHE:HZ	3	0.64
(2,1614)	1:87:A:PRO:HA	1:51:A:PHE:HZ	7	0.64
(2,1577)	1:84:A:HIS:HB3	1:84:A:HIS:HB2	8	0.64
(2,1577)	1:84:A:HIS:HB3	1:84:A:HIS:HB2	9	0.64
(2,1571)	1:84:A:HIS:HD2	1:83:A:ASP:HB3	7	0.64
(2,1571)	1:84:A:HIS:HD2	1:83:A:ASP:HB3	8	0.64
(2,1571)	1:84:A:HIS:HD2	1:83:A:ASP:HB3	12	0.64
(2,1571)	1:84:A:HIS:HD2	1:83:A:ASP:HB3	13	0.64
(2,1549)	1:81:A:ILE:HB	1:82:A:PHE:H	8	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1538)	1:98:A:LEU:HB3	1:99:A:THR:H	12	0.64
(2,1537)	1:98:A:LEU:HB2	1:98:A:LEU:H	8	0.64
(2,1413)	1:56:A:ILE:HD11	1:51:A:PHE:HB2	7	0.64
(2,1413)	1:56:A:ILE:HD12	1:51:A:PHE:HB2	7	0.64
(2,1413)	1:56:A:ILE:HD13	1:51:A:PHE:HB2	7	0.64
(2,1413)	1:56:A:ILE:HD11	1:51:A:PHE:HB2	10	0.64
(2,1413)	1:56:A:ILE:HD12	1:51:A:PHE:HB2	10	0.64
(2,1413)	1:56:A:ILE:HD13	1:51:A:PHE:HB2	10	0.64
(2,1413)	1:56:A:ILE:HD11	1:51:A:PHE:HB2	11	0.64
(2,1413)	1:56:A:ILE:HD12	1:51:A:PHE:HB2	11	0.64
(2,1413)	1:56:A:ILE:HD13	1:51:A:PHE:HB2	11	0.64
(2,1413)	1:56:A:ILE:HD11	1:51:A:PHE:HB2	12	0.64
(2,1413)	1:56:A:ILE:HD12	1:51:A:PHE:HB2	12	0.64
(2,1413)	1:56:A:ILE:HD13	1:51:A:PHE:HB2	12	0.64
(2,1401)	1:45:A:ILE:HD11	1:34:A:ALA:HA	5	0.64
(2,1401)	1:45:A:ILE:HD12	1:34:A:ALA:HA	5	0.64
(2,1401)	1:45:A:ILE:HD13	1:34:A:ALA:HA	5	0.64
(2,1376)	1:97:A:ARG:HB2	1:97:A:ARG:HB3	4	0.64
(2,1376)	1:97:A:ARG:HB2	1:97:A:ARG:HB3	7	0.64
(2,1376)	1:97:A:ARG:HB2	1:97:A:ARG:HB3	8	0.64
(2,1376)	1:97:A:ARG:HB2	1:97:A:ARG:HB3	10	0.64
(2,1376)	1:97:A:ARG:HB2	1:97:A:ARG:HB3	11	0.64
(2,1376)	1:97:A:ARG:HB2	1:97:A:ARG:HB3	13	0.64
(2,1376)	1:97:A:ARG:HB2	1:97:A:ARG:HB3	15	0.64
(2,1359)	1:93:A:HIS:HB3	1:93:A:HIS:HB2	1	0.64
(2,1359)	1:93:A:HIS:HB3	1:93:A:HIS:HB2	2	0.64
(2,1359)	1:93:A:HIS:HB3	1:93:A:HIS:HB2	3	0.64
(2,1359)	1:93:A:HIS:HB3	1:93:A:HIS:HB2	4	0.64
(2,1359)	1:93:A:HIS:HB3	1:93:A:HIS:HB2	5	0.64
(2,1359)	1:93:A:HIS:HB3	1:93:A:HIS:HB2	6	0.64
(2,1359)	1:93:A:HIS:HB3	1:93:A:HIS:HB2	7	0.64
(2,1359)	1:93:A:HIS:HB3	1:93:A:HIS:HB2	8	0.64
(2,1359)	1:93:A:HIS:HB3	1:93:A:HIS:HB2	9	0.64
(2,1359)	1:93:A:HIS:HB3	1:93:A:HIS:HB2	10	0.64
(2,1359)	1:93:A:HIS:HB3	1:93:A:HIS:HB2	11	0.64
(2,1359)	1:93:A:HIS:HB3	1:93:A:HIS:HB2	12	0.64
(2,1359)	1:93:A:HIS:HB3	1:93:A:HIS:HB2	13	0.64
(2,1359)	1:93:A:HIS:HB3	1:93:A:HIS:HB2	14	0.64
(2,1359)	1:93:A:HIS:HB3	1:93:A:HIS:HB2	15	0.64
(2,1359)	1:93:A:HIS:HB3	1:93:A:HIS:HB2	16	0.64
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD11	7	0.64
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD12	7	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD13	7	0.64
(2,1319)	1:68:A:LEU:HB3	1:68:A:LEU:H	11	0.64
(2,1304)	1:66:A:ASN:HB2	1:66:A:ASN:H	4	0.64
(2,1304)	1:66:A:ASN:HB2	1:66:A:ASN:H	16	0.64
(2,1237)	1:64:A:LEU:HB2	1:64:A:LEU:HB3	1	0.64
(2,1237)	1:64:A:LEU:HB2	1:64:A:LEU:HB3	2	0.64
(2,1237)	1:64:A:LEU:HB2	1:64:A:LEU:HB3	3	0.64
(2,1237)	1:64:A:LEU:HB2	1:64:A:LEU:HB3	4	0.64
(2,1237)	1:64:A:LEU:HB2	1:64:A:LEU:HB3	5	0.64
(2,1237)	1:64:A:LEU:HB2	1:64:A:LEU:HB3	6	0.64
(2,1237)	1:64:A:LEU:HB2	1:64:A:LEU:HB3	7	0.64
(2,1237)	1:64:A:LEU:HB2	1:64:A:LEU:HB3	8	0.64
(2,1237)	1:64:A:LEU:HB2	1:64:A:LEU:HB3	9	0.64
(2,1237)	1:64:A:LEU:HB2	1:64:A:LEU:HB3	10	0.64
(2,1237)	1:64:A:LEU:HB2	1:64:A:LEU:HB3	11	0.64
(2,1237)	1:64:A:LEU:HB2	1:64:A:LEU:HB3	12	0.64
(2,1237)	1:64:A:LEU:HB2	1:64:A:LEU:HB3	13	0.64
(2,1237)	1:64:A:LEU:HB2	1:64:A:LEU:HB3	14	0.64
(2,1237)	1:64:A:LEU:HB2	1:64:A:LEU:HB3	15	0.64
(2,1237)	1:64:A:LEU:HB2	1:64:A:LEU:HB3	16	0.64
(2,1143)	1:59:A:LEU:HD11	1:59:A:LEU:HA	4	0.64
(2,1143)	1:59:A:LEU:HD12	1:59:A:LEU:HA	4	0.64
(2,1143)	1:59:A:LEU:HD13	1:59:A:LEU:HA	4	0.64
(2,1143)	1:59:A:LEU:HD11	1:59:A:LEU:HA	7	0.64
(2,1143)	1:59:A:LEU:HD12	1:59:A:LEU:HA	7	0.64
(2,1143)	1:59:A:LEU:HD13	1:59:A:LEU:HA	7	0.64
(2,1122)	1:56:A:ILE:HG21	1:51:A:PHE:HB3	8	0.64
(2,1122)	1:56:A:ILE:HG22	1:51:A:PHE:HB3	8	0.64
(2,1122)	1:56:A:ILE:HG23	1:51:A:PHE:HB3	8	0.64
(2,1100)	1:81:A:ILE:HG21	1:90:A:LEU:HB2	8	0.64
(2,1100)	1:81:A:ILE:HG22	1:90:A:LEU:HB2	8	0.64
(2,1100)	1:81:A:ILE:HG23	1:90:A:LEU:HB2	8	0.64
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD11	9	0.64
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD12	9	0.64
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD13	9	0.64
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB1	8	0.64
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB2	8	0.64
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB3	8	0.64
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB1	10	0.64
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB2	10	0.64
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB3	10	0.64
(2,939)	1:45:A:ILE:HG21	1:33:A:THR:HB	8	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,939)	1:45:A:ILE:HG22	1:33:A:THR:HB	8	0.64
(2,939)	1:45:A:ILE:HG23	1:33:A:THR:HB	8	0.64
(2,901)	1:41:A:THR:HG21	1:40:A:HIS:HD2	15	0.64
(2,901)	1:41:A:THR:HG22	1:40:A:HIS:HD2	15	0.64
(2,901)	1:41:A:THR:HG23	1:40:A:HIS:HD2	15	0.64
(2,850)	1:74:A:LEU:HD21	1:74:A:LEU:HA	3	0.64
(2,850)	1:74:A:LEU:HD22	1:74:A:LEU:HA	3	0.64
(2,850)	1:74:A:LEU:HD23	1:74:A:LEU:HA	3	0.64
(2,850)	1:74:A:LEU:HD21	1:74:A:LEU:HA	4	0.64
(2,850)	1:74:A:LEU:HD22	1:74:A:LEU:HA	4	0.64
(2,850)	1:74:A:LEU:HD23	1:74:A:LEU:HA	4	0.64
(2,850)	1:74:A:LEU:HD21	1:74:A:LEU:HA	5	0.64
(2,850)	1:74:A:LEU:HD22	1:74:A:LEU:HA	5	0.64
(2,850)	1:74:A:LEU:HD23	1:74:A:LEU:HA	5	0.64
(2,850)	1:74:A:LEU:HD21	1:74:A:LEU:HA	6	0.64
(2,850)	1:74:A:LEU:HD22	1:74:A:LEU:HA	6	0.64
(2,850)	1:74:A:LEU:HD23	1:74:A:LEU:HA	6	0.64
(2,850)	1:74:A:LEU:HD21	1:74:A:LEU:HA	7	0.64
(2,850)	1:74:A:LEU:HD22	1:74:A:LEU:HA	7	0.64
(2,850)	1:74:A:LEU:HD23	1:74:A:LEU:HA	7	0.64
(2,850)	1:74:A:LEU:HD21	1:74:A:LEU:HA	8	0.64
(2,850)	1:74:A:LEU:HD22	1:74:A:LEU:HA	8	0.64
(2,850)	1:74:A:LEU:HD23	1:74:A:LEU:HA	8	0.64
(2,850)	1:74:A:LEU:HD21	1:74:A:LEU:HA	13	0.64
(2,850)	1:74:A:LEU:HD22	1:74:A:LEU:HA	13	0.64
(2,850)	1:74:A:LEU:HD23	1:74:A:LEU:HA	13	0.64
(2,769)	1:34:A:ALA:HB1	1:42:A:PRO:HG2	11	0.64
(2,769)	1:34:A:ALA:HB2	1:42:A:PRO:HG2	11	0.64
(2,769)	1:34:A:ALA:HB3	1:42:A:PRO:HG2	11	0.64
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD1	2	0.64
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD2	2	0.64
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD1	2	0.64
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD2	2	0.64
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD1	2	0.64
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD2	2	0.64
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD1	3	0.64
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD2	3	0.64
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD1	3	0.64
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD2	3	0.64
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD1	3	0.64
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD2	3	0.64
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG21	8	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG22	8	0.64
(2,639)	1:45:A:ILE:HG12	1:41:A:THR:HG23	8	0.64
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD21	1	0.64
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD22	1	0.64
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD23	1	0.64
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD21	1	0.64
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD22	1	0.64
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD23	1	0.64
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD21	1	0.64
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD22	1	0.64
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD23	1	0.64
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD21	6	0.64
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD22	6	0.64
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD23	6	0.64
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD21	6	0.64
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD22	6	0.64
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD23	6	0.64
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD21	6	0.64
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD22	6	0.64
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD23	6	0.64
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD21	14	0.64
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD22	14	0.64
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD23	14	0.64
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD21	14	0.64
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD22	14	0.64
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD23	14	0.64
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD21	14	0.64
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD22	14	0.64
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD23	14	0.64
(2,537)	1:24:A:THR:HG21	1:25:A:LEU:HB2	3	0.64
(2,537)	1:24:A:THR:HG22	1:25:A:LEU:HB2	3	0.64
(2,537)	1:24:A:THR:HG23	1:25:A:LEU:HB2	3	0.64
(2,537)	1:24:A:THR:HG21	1:25:A:LEU:HB2	9	0.64
(2,537)	1:24:A:THR:HG22	1:25:A:LEU:HB2	9	0.64
(2,537)	1:24:A:THR:HG23	1:25:A:LEU:HB2	9	0.64
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD21	15	0.64
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD22	15	0.64
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD23	15	0.64
(2,368)	1:17:A:SER:HB3	1:18:A:PRO:HB3	8	0.64
(2,367)	1:17:A:SER:HB3	1:17:A:SER:HB2	1	0.64
(2,367)	1:17:A:SER:HB3	1:17:A:SER:HB2	2	0.64
(2,367)	1:17:A:SER:HB3	1:17:A:SER:HB2	3	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,367)	1:17:A:SER:HB3	1:17:A:SER:HB2	4	0.64
(2,367)	1:17:A:SER:HB3	1:17:A:SER:HB2	5	0.64
(2,367)	1:17:A:SER:HB3	1:17:A:SER:HB2	6	0.64
(2,367)	1:17:A:SER:HB3	1:17:A:SER:HB2	7	0.64
(2,367)	1:17:A:SER:HB3	1:17:A:SER:HB2	8	0.64
(2,367)	1:17:A:SER:HB3	1:17:A:SER:HB2	9	0.64
(2,367)	1:17:A:SER:HB3	1:17:A:SER:HB2	10	0.64
(2,367)	1:17:A:SER:HB3	1:17:A:SER:HB2	12	0.64
(2,367)	1:17:A:SER:HB3	1:17:A:SER:HB2	13	0.64
(2,367)	1:17:A:SER:HB3	1:17:A:SER:HB2	14	0.64
(2,367)	1:17:A:SER:HB3	1:17:A:SER:HB2	15	0.64
(2,367)	1:17:A:SER:HB3	1:17:A:SER:HB2	16	0.64
(2,322)	1:87:A:PRO:HD2	1:88:A:HIS:H	1	0.64
(2,322)	1:87:A:PRO:HD2	1:88:A:HIS:H	3	0.64
(2,322)	1:87:A:PRO:HD2	1:88:A:HIS:H	12	0.64
(2,281)	1:12:A:ARG:HD3	1:12:A:ARG:H	10	0.64
(2,279)	1:12:A:ARG:HD3	1:12:A:ARG:HA	2	0.64
(2,236)	1:31:A:ALA:HB1	1:42:A:PRO:HB2	4	0.64
(2,236)	1:31:A:ALA:HB2	1:42:A:PRO:HB2	4	0.64
(2,236)	1:31:A:ALA:HB3	1:42:A:PRO:HB2	4	0.64
(2,229)	1:10:A:ALA:HB1	1:14:A:ASN:HD22	14	0.64
(2,229)	1:10:A:ALA:HB2	1:14:A:ASN:HD22	14	0.64
(2,229)	1:10:A:ALA:HB3	1:14:A:ASN:HD22	14	0.64
(2,217)	1:10:A:ALA:HA	1:9:A:LEU:HB2	1	0.64
(2,217)	1:10:A:ALA:HA	1:9:A:LEU:HB2	11	0.64
(2,153)	1:71:A:ASN:HA	1:70:A:HIS:HB2	3	0.64
(2,153)	1:71:A:ASN:HA	1:70:A:HIS:HB2	15	0.64
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD21	10	0.64
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD22	10	0.64
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD23	10	0.64
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD21	10	0.64
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD22	10	0.64
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD23	10	0.64
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD21	10	0.64
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD22	10	0.64
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD23	10	0.64
(2,142)	1:33:A:THR:HG21	1:54:A:LEU:HG	10	0.64
(2,142)	1:33:A:THR:HG22	1:54:A:LEU:HG	10	0.64
(2,142)	1:33:A:THR:HG23	1:54:A:LEU:HG	10	0.64
(2,135)	1:7:A:THR:HG21	1:7:A:THR:H	8	0.64
(2,135)	1:7:A:THR:HG22	1:7:A:THR:H	8	0.64
(2,135)	1:7:A:THR:HG23	1:7:A:THR:H	8	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,101)	1:5:A:ALA:HA	1:8:A:ASP:HB2	5	0.64
(2,65)	1:81:A:ILE:HD11	1:56:A:ILE:HG12	13	0.64
(2,65)	1:81:A:ILE:HD12	1:56:A:ILE:HG12	13	0.64
(2,65)	1:81:A:ILE:HD13	1:56:A:ILE:HG12	13	0.64
(2,65)	1:81:A:ILE:HD11	1:56:A:ILE:HG12	15	0.64
(2,65)	1:81:A:ILE:HD12	1:56:A:ILE:HG12	15	0.64
(2,65)	1:81:A:ILE:HD13	1:56:A:ILE:HG12	15	0.64
(2,63)	1:81:A:ILE:HD11	1:64:A:LEU:HB3	10	0.64
(2,63)	1:81:A:ILE:HD12	1:64:A:LEU:HB3	10	0.64
(2,63)	1:81:A:ILE:HD13	1:64:A:LEU:HB3	10	0.64
(2,63)	1:81:A:ILE:HD11	1:64:A:LEU:HB3	12	0.64
(2,63)	1:81:A:ILE:HD12	1:64:A:LEU:HB3	12	0.64
(2,63)	1:81:A:ILE:HD13	1:64:A:LEU:HB3	12	0.64
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD1	2	0.64
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD2	2	0.64
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG21	10	0.64
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG22	10	0.64
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG23	10	0.64
(1,469)	1:8:A:ASP:H	1:7:A:THR:HB	5	0.64
(1,469)	1:8:A:ASP:H	1:7:A:THR:HB	9	0.64
(1,389)	1:65:A:ARG:HE	1:65:A:ARG:HG2	3	0.64
(1,366)	1:19:A:GLN:H	1:19:A:GLN:HG2	4	0.64
(1,366)	1:19:A:GLN:H	1:19:A:GLN:HG2	7	0.64
(1,366)	1:19:A:GLN:H	1:19:A:GLN:HG2	15	0.64
(1,349)	1:17:A:SER:H	1:20:A:GLN:HB2	15	0.64
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD21	10	0.64
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD22	10	0.64
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD23	10	0.64
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD21	4	0.64
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD22	4	0.64
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD23	4	0.64
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG21	11	0.64
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG22	11	0.64
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG23	11	0.64
(2,1893)	1:90:A:LEU:HD21	1:81:A:ILE:HG12	1	0.63
(2,1893)	1:90:A:LEU:HD22	1:81:A:ILE:HG12	1	0.63
(2,1893)	1:90:A:LEU:HD23	1:81:A:ILE:HG12	1	0.63
(2,1893)	1:90:A:LEU:HD21	1:81:A:ILE:HG12	8	0.63
(2,1893)	1:90:A:LEU:HD22	1:81:A:ILE:HG12	8	0.63
(2,1893)	1:90:A:LEU:HD23	1:81:A:ILE:HG12	8	0.63
(2,1893)	1:90:A:LEU:HD21	1:81:A:ILE:HG12	13	0.63
(2,1893)	1:90:A:LEU:HD22	1:81:A:ILE:HG12	13	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1893)	1:90:A:LEU:HD23	1:81:A:ILE:HG12	13	0.63
(2,1869)	1:65:A:ARG:HD2	1:65:A:ARG:HE	4	0.63
(2,1820)	1:5:A:ALA:HB1	1:5:A:ALA:H	6	0.63
(2,1820)	1:5:A:ALA:HB2	1:5:A:ALA:H	6	0.63
(2,1820)	1:5:A:ALA:HB3	1:5:A:ALA:H	6	0.63
(2,1820)	1:5:A:ALA:HB1	1:5:A:ALA:H	12	0.63
(2,1820)	1:5:A:ALA:HB2	1:5:A:ALA:H	12	0.63
(2,1820)	1:5:A:ALA:HB3	1:5:A:ALA:H	12	0.63
(2,1820)	1:5:A:ALA:HB1	1:5:A:ALA:H	15	0.63
(2,1820)	1:5:A:ALA:HB2	1:5:A:ALA:H	15	0.63
(2,1820)	1:5:A:ALA:HB3	1:5:A:ALA:H	15	0.63
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG21	14	0.63
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG22	14	0.63
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG23	14	0.63
(2,1764)	1:97:A:ARG:HD2	1:97:A:ARG:HA	11	0.63
(2,1740)	1:94:A:LEU:HA	1:97:A:ARG:HB2	8	0.63
(2,1673)	1:90:A:LEU:HB3	1:91:A:THR:H	10	0.63
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD21	12	0.63
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD22	12	0.63
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD23	12	0.63
(2,1549)	1:81:A:ILE:HB	1:82:A:PHE:H	12	0.63
(2,1537)	1:98:A:LEU:HB2	1:98:A:LEU:H	1	0.63
(2,1537)	1:98:A:LEU:HB2	1:98:A:LEU:H	4	0.63
(2,1537)	1:98:A:LEU:HB2	1:98:A:LEU:H	12	0.63
(2,1529)	1:16:A:LEU:HB3	1:21:A:GLN:H	7	0.63
(2,1522)	1:16:A:LEU:HB2	1:13:A:LEU:HA	13	0.63
(2,1413)	1:56:A:ILE:HD11	1:51:A:PHE:HB2	8	0.63
(2,1413)	1:56:A:ILE:HD12	1:51:A:PHE:HB2	8	0.63
(2,1413)	1:56:A:ILE:HD13	1:51:A:PHE:HB2	8	0.63
(2,1401)	1:45:A:ILE:HD11	1:34:A:ALA:HA	2	0.63
(2,1401)	1:45:A:ILE:HD12	1:34:A:ALA:HA	2	0.63
(2,1401)	1:45:A:ILE:HD13	1:34:A:ALA:HA	2	0.63
(2,1401)	1:45:A:ILE:HD11	1:34:A:ALA:HA	11	0.63
(2,1401)	1:45:A:ILE:HD12	1:34:A:ALA:HA	11	0.63
(2,1401)	1:45:A:ILE:HD13	1:34:A:ALA:HA	11	0.63
(2,1392)	1:81:A:ILE:HG12	1:81:A:ILE:H	5	0.63
(2,1392)	1:81:A:ILE:HG12	1:81:A:ILE:H	7	0.63
(2,1392)	1:81:A:ILE:HG12	1:81:A:ILE:H	10	0.63
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB1	12	0.63
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB2	12	0.63
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB3	12	0.63
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD21	9	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD22	9	0.63
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD23	9	0.63
(2,1374)	1:97:A:ARG:HD2	1:97:A:ARG:HB3	13	0.63
(2,1365)	1:93:A:HIS:HB3	1:94:A:LEU:H	14	0.63
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD11	8	0.63
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD12	8	0.63
(2,1271)	1:65:A:ARG:HA	1:90:A:LEU:HD13	8	0.63
(2,1192)	1:62:A:LEU:HB2	1:65:A:ARG:HB2	13	0.63
(2,1106)	1:81:A:ILE:HG21	1:85:A:PRO:HA	7	0.63
(2,1106)	1:81:A:ILE:HG22	1:85:A:PRO:HA	7	0.63
(2,1106)	1:81:A:ILE:HG23	1:85:A:PRO:HA	7	0.63
(2,1106)	1:81:A:ILE:HG21	1:85:A:PRO:HA	9	0.63
(2,1106)	1:81:A:ILE:HG22	1:85:A:PRO:HA	9	0.63
(2,1106)	1:81:A:ILE:HG23	1:85:A:PRO:HA	9	0.63
(2,1014)	1:50:A:ALA:HA	1:51:A:PHE:HB3	9	0.63
(2,939)	1:45:A:ILE:HG21	1:33:A:THR:HB	15	0.63
(2,939)	1:45:A:ILE:HG22	1:33:A:THR:HB	15	0.63
(2,939)	1:45:A:ILE:HG23	1:33:A:THR:HB	15	0.63
(2,850)	1:74:A:LEU:HD21	1:74:A:LEU:HA	1	0.63
(2,850)	1:74:A:LEU:HD22	1:74:A:LEU:HA	1	0.63
(2,850)	1:74:A:LEU:HD23	1:74:A:LEU:HA	1	0.63
(2,850)	1:74:A:LEU:HD21	1:74:A:LEU:HA	9	0.63
(2,850)	1:74:A:LEU:HD22	1:74:A:LEU:HA	9	0.63
(2,850)	1:74:A:LEU:HD23	1:74:A:LEU:HA	9	0.63
(2,850)	1:74:A:LEU:HD21	1:74:A:LEU:HA	16	0.63
(2,850)	1:74:A:LEU:HD22	1:74:A:LEU:HA	16	0.63
(2,850)	1:74:A:LEU:HD23	1:74:A:LEU:HA	16	0.63
(2,649)	1:28:A:LEU:HD21	1:71:A:ASN:HB2	2	0.63
(2,649)	1:28:A:LEU:HD22	1:71:A:ASN:HB2	2	0.63
(2,649)	1:28:A:LEU:HD23	1:71:A:ASN:HB2	2	0.63
(2,648)	1:28:A:LEU:HD21	1:71:A:ASN:HB3	13	0.63
(2,648)	1:28:A:LEU:HD22	1:71:A:ASN:HB3	13	0.63
(2,648)	1:28:A:LEU:HD23	1:71:A:ASN:HB3	13	0.63
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD1	12	0.63
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD2	12	0.63
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD1	12	0.63
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD2	12	0.63
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD1	12	0.63
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD2	12	0.63
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD21	4	0.63
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD22	4	0.63
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD23	4	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD21	4	0.63
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD22	4	0.63
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD23	4	0.63
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD21	4	0.63
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD22	4	0.63
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD23	4	0.63
(2,454)	1:20:A:GLN:HB2	1:17:A:SER:H	8	0.63
(2,454)	1:20:A:GLN:HB2	1:17:A:SER:H	16	0.63
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD21	13	0.63
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD22	13	0.63
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD23	13	0.63
(2,418)	1:21:A:GLN:HB2	1:22:A:GLN:H	14	0.63
(2,368)	1:17:A:SER:HB3	1:18:A:PRO:HB3	7	0.63
(2,322)	1:87:A:PRO:HD2	1:88:A:HIS:H	7	0.63
(2,322)	1:87:A:PRO:HD2	1:88:A:HIS:H	11	0.63
(2,322)	1:87:A:PRO:HD2	1:88:A:HIS:H	13	0.63
(2,313)	1:85:A:PRO:HD2	1:84:A:HIS:HA	3	0.63
(2,236)	1:31:A:ALA:HB1	1:42:A:PRO:HB2	12	0.63
(2,236)	1:31:A:ALA:HB2	1:42:A:PRO:HB2	12	0.63
(2,236)	1:31:A:ALA:HB3	1:42:A:PRO:HB2	12	0.63
(2,229)	1:10:A:ALA:HB1	1:14:A:ASN:HD22	3	0.63
(2,229)	1:10:A:ALA:HB2	1:14:A:ASN:HD22	3	0.63
(2,229)	1:10:A:ALA:HB3	1:14:A:ASN:HD22	3	0.63
(2,229)	1:10:A:ALA:HB1	1:14:A:ASN:HD22	12	0.63
(2,229)	1:10:A:ALA:HB2	1:14:A:ASN:HD22	12	0.63
(2,229)	1:10:A:ALA:HB3	1:14:A:ASN:HD22	12	0.63
(2,217)	1:10:A:ALA:HA	1:9:A:LEU:HB2	7	0.63
(2,217)	1:10:A:ALA:HA	1:9:A:LEU:HB2	15	0.63
(2,153)	1:71:A:ASN:HA	1:70:A:HIS:HB2	13	0.63
(2,142)	1:33:A:THR:HG21	1:54:A:LEU:HG	5	0.63
(2,142)	1:33:A:THR:HG22	1:54:A:LEU:HG	5	0.63
(2,142)	1:33:A:THR:HG23	1:54:A:LEU:HG	5	0.63
(2,142)	1:33:A:THR:HG21	1:54:A:LEU:HG	14	0.63
(2,142)	1:33:A:THR:HG22	1:54:A:LEU:HG	14	0.63
(2,142)	1:33:A:THR:HG23	1:54:A:LEU:HG	14	0.63
(2,135)	1:7:A:THR:HG21	1:7:A:THR:H	14	0.63
(2,135)	1:7:A:THR:HG22	1:7:A:THR:H	14	0.63
(2,135)	1:7:A:THR:HG23	1:7:A:THR:H	14	0.63
(2,105)	1:5:A:ALA:HB1	1:3:A:ALA:HA	2	0.63
(2,105)	1:5:A:ALA:HB2	1:3:A:ALA:HA	2	0.63
(2,105)	1:5:A:ALA:HB3	1:3:A:ALA:HA	2	0.63
(2,65)	1:81:A:ILE:HD11	1:56:A:ILE:HG12	5	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,65)	1:81:A:ILE:HD12	1:56:A:ILE:HG12	5	0.63
(2,65)	1:81:A:ILE:HD13	1:56:A:ILE:HG12	5	0.63
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD11	3	0.63
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD12	3	0.63
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD13	3	0.63
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD11	3	0.63
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD12	3	0.63
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD13	3	0.63
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD11	3	0.63
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD12	3	0.63
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD13	3	0.63
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD1	14	0.63
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD2	14	0.63
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG21	12	0.63
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG22	12	0.63
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG23	12	0.63
(1,584)	1:96:A:THR:H	1:92:A:GLN:HB2	2	0.63
(1,584)	1:96:A:THR:H	1:92:A:GLN:HB2	3	0.63
(1,526)	1:20:A:GLN:H	1:20:A:GLN:HG3	5	0.63
(1,526)	1:20:A:GLN:H	1:20:A:GLN:HG3	16	0.63
(1,279)	1:14:A:ASN:HD21	1:14:A:ASN:HB2	7	0.63
(1,158)	1:5:A:ALA:H	1:4:A:SER:HA	9	0.63
(1,158)	1:5:A:ALA:H	1:4:A:SER:HA	10	0.63
(2,1893)	1:90:A:LEU:HD21	1:81:A:ILE:HG12	12	0.62
(2,1893)	1:90:A:LEU:HD22	1:81:A:ILE:HG12	12	0.62
(2,1893)	1:90:A:LEU:HD23	1:81:A:ILE:HG12	12	0.62
(2,1820)	1:5:A:ALA:HB1	1:5:A:ALA:H	1	0.62
(2,1820)	1:5:A:ALA:HB2	1:5:A:ALA:H	1	0.62
(2,1820)	1:5:A:ALA:HB3	1:5:A:ALA:H	1	0.62
(2,1798)	1:99:A:THR:HG21	1:99:A:THR:H	7	0.62
(2,1798)	1:99:A:THR:HG22	1:99:A:THR:H	7	0.62
(2,1798)	1:99:A:THR:HG23	1:99:A:THR:H	7	0.62
(2,1676)	1:90:A:LEU:HG	1:90:A:LEU:HB3	1	0.62
(2,1676)	1:90:A:LEU:HG	1:90:A:LEU:HB3	2	0.62
(2,1676)	1:90:A:LEU:HG	1:90:A:LEU:HB3	4	0.62
(2,1676)	1:90:A:LEU:HG	1:90:A:LEU:HB3	5	0.62
(2,1676)	1:90:A:LEU:HG	1:90:A:LEU:HB3	14	0.62
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD21	14	0.62
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD22	14	0.62
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD23	14	0.62
(2,1614)	1:87:A:PRO:HA	1:51:A:PHE:HZ	11	0.62
(2,1571)	1:84:A:HIS:HD2	1:83:A:ASP:HB3	10	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1571)	1:84:A:HIS:HD2	1:83:A:ASP:HB3	15	0.62
(2,1538)	1:98:A:LEU:HB3	1:99:A:THR:H	10	0.62
(2,1537)	1:98:A:LEU:HB2	1:98:A:LEU:H	6	0.62
(2,1537)	1:98:A:LEU:HB2	1:98:A:LEU:H	7	0.62
(2,1537)	1:98:A:LEU:HB2	1:98:A:LEU:H	16	0.62
(2,1529)	1:16:A:LEU:HB3	1:21:A:GLN:H	10	0.62
(2,1525)	1:16:A:LEU:HB2	1:16:A:LEU:H	7	0.62
(2,1522)	1:16:A:LEU:HB2	1:13:A:LEU:HA	8	0.62
(2,1522)	1:16:A:LEU:HB2	1:13:A:LEU:HA	9	0.62
(2,1522)	1:16:A:LEU:HB2	1:13:A:LEU:HA	11	0.62
(2,1413)	1:56:A:ILE:HD11	1:51:A:PHE:HB2	1	0.62
(2,1413)	1:56:A:ILE:HD12	1:51:A:PHE:HB2	1	0.62
(2,1413)	1:56:A:ILE:HD13	1:51:A:PHE:HB2	1	0.62
(2,1413)	1:56:A:ILE:HD11	1:51:A:PHE:HB2	4	0.62
(2,1413)	1:56:A:ILE:HD12	1:51:A:PHE:HB2	4	0.62
(2,1413)	1:56:A:ILE:HD13	1:51:A:PHE:HB2	4	0.62
(2,1413)	1:56:A:ILE:HD11	1:51:A:PHE:HB2	16	0.62
(2,1413)	1:56:A:ILE:HD12	1:51:A:PHE:HB2	16	0.62
(2,1413)	1:56:A:ILE:HD13	1:51:A:PHE:HB2	16	0.62
(2,1401)	1:45:A:ILE:HD11	1:34:A:ALA:HA	3	0.62
(2,1401)	1:45:A:ILE:HD12	1:34:A:ALA:HA	3	0.62
(2,1401)	1:45:A:ILE:HD13	1:34:A:ALA:HA	3	0.62
(2,1401)	1:45:A:ILE:HD11	1:34:A:ALA:HA	12	0.62
(2,1401)	1:45:A:ILE:HD12	1:34:A:ALA:HA	12	0.62
(2,1401)	1:45:A:ILE:HD13	1:34:A:ALA:HA	12	0.62
(2,1401)	1:45:A:ILE:HD11	1:34:A:ALA:HA	15	0.62
(2,1401)	1:45:A:ILE:HD12	1:34:A:ALA:HA	15	0.62
(2,1401)	1:45:A:ILE:HD13	1:34:A:ALA:HA	15	0.62
(2,1401)	1:45:A:ILE:HD11	1:34:A:ALA:HA	16	0.62
(2,1401)	1:45:A:ILE:HD12	1:34:A:ALA:HA	16	0.62
(2,1401)	1:45:A:ILE:HD13	1:34:A:ALA:HA	16	0.62
(2,1392)	1:81:A:ILE:HG12	1:81:A:ILE:H	12	0.62
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB1	4	0.62
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB2	4	0.62
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB3	4	0.62
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB1	10	0.62
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB2	10	0.62
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB3	10	0.62
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD21	16	0.62
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD22	16	0.62
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD23	16	0.62
(2,1374)	1:97:A:ARG:HD2	1:97:A:ARG:HB3	4	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1365)	1:93:A:HIS:HB3	1:94:A:LEU:H	10	0.62
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD11	4	0.62
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD12	4	0.62
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD13	4	0.62
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD11	6	0.62
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD12	6	0.62
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD13	6	0.62
(2,1212)	1:63:A:GLU:HA	1:66:A:ASN:HD21	2	0.62
(2,1122)	1:56:A:ILE:HG21	1:51:A:PHE:HB3	5	0.62
(2,1122)	1:56:A:ILE:HG22	1:51:A:PHE:HB3	5	0.62
(2,1122)	1:56:A:ILE:HG23	1:51:A:PHE:HB3	5	0.62
(2,1122)	1:56:A:ILE:HG21	1:51:A:PHE:HB3	7	0.62
(2,1122)	1:56:A:ILE:HG22	1:51:A:PHE:HB3	7	0.62
(2,1122)	1:56:A:ILE:HG23	1:51:A:PHE:HB3	7	0.62
(2,1122)	1:56:A:ILE:HG21	1:51:A:PHE:HB3	11	0.62
(2,1122)	1:56:A:ILE:HG22	1:51:A:PHE:HB3	11	0.62
(2,1122)	1:56:A:ILE:HG23	1:51:A:PHE:HB3	11	0.62
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG21	9	0.62
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG22	9	0.62
(2,1032)	1:51:A:PHE:HB2	1:81:A:ILE:HG23	9	0.62
(2,1011)	1:75:A:ASP:HA	1:74:A:LEU:HG	8	0.62
(2,1011)	1:75:A:ASP:HA	1:74:A:LEU:HG	12	0.62
(2,923)	1:101:A:SER:HB2	1:102:A:HIS:H	9	0.62
(2,901)	1:41:A:THR:HG21	1:40:A:HIS:HD2	6	0.62
(2,901)	1:41:A:THR:HG22	1:40:A:HIS:HD2	6	0.62
(2,901)	1:41:A:THR:HG23	1:40:A:HIS:HD2	6	0.62
(2,894)	1:41:A:THR:HB	1:43:A:GLU:HB2	15	0.62
(2,850)	1:74:A:LEU:HD21	1:74:A:LEU:HA	10	0.62
(2,850)	1:74:A:LEU:HD22	1:74:A:LEU:HA	10	0.62
(2,850)	1:74:A:LEU:HD23	1:74:A:LEU:HA	10	0.62
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG21	12	0.62
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG22	12	0.62
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG23	12	0.62
(2,649)	1:28:A:LEU:HD21	1:71:A:ASN:HB2	10	0.62
(2,649)	1:28:A:LEU:HD22	1:71:A:ASN:HB2	10	0.62
(2,649)	1:28:A:LEU:HD23	1:71:A:ASN:HB2	10	0.62
(2,649)	1:28:A:LEU:HD21	1:71:A:ASN:HB2	12	0.62
(2,649)	1:28:A:LEU:HD22	1:71:A:ASN:HB2	12	0.62
(2,649)	1:28:A:LEU:HD23	1:71:A:ASN:HB2	12	0.62
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD21	8	0.62
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD22	8	0.62
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD23	8	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD21	8	0.62
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD22	8	0.62
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD23	8	0.62
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD21	8	0.62
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD22	8	0.62
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD23	8	0.62
(2,537)	1:24:A:THR:HG21	1:25:A:LEU:HB2	6	0.62
(2,537)	1:24:A:THR:HG22	1:25:A:LEU:HB2	6	0.62
(2,537)	1:24:A:THR:HG23	1:25:A:LEU:HB2	6	0.62
(2,537)	1:24:A:THR:HG21	1:25:A:LEU:HB2	16	0.62
(2,537)	1:24:A:THR:HG22	1:25:A:LEU:HB2	16	0.62
(2,537)	1:24:A:THR:HG23	1:25:A:LEU:HB2	16	0.62
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD21	6	0.62
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD22	6	0.62
(2,535)	1:24:A:THR:HB	1:13:A:LEU:HD23	6	0.62
(2,368)	1:17:A:SER:HB3	1:18:A:PRO:HB3	1	0.62
(2,368)	1:17:A:SER:HB3	1:18:A:PRO:HB3	16	0.62
(2,322)	1:87:A:PRO:HD2	1:88:A:HIS:H	14	0.62
(2,313)	1:85:A:PRO:HD2	1:84:A:HIS:HA	6	0.62
(2,281)	1:12:A:ARG:HD3	1:12:A:ARG:H	12	0.62
(2,281)	1:12:A:ARG:HD3	1:12:A:ARG:H	15	0.62
(2,236)	1:31:A:ALA:HB1	1:42:A:PRO:HB2	6	0.62
(2,236)	1:31:A:ALA:HB2	1:42:A:PRO:HB2	6	0.62
(2,236)	1:31:A:ALA:HB3	1:42:A:PRO:HB2	6	0.62
(2,217)	1:10:A:ALA:HA	1:9:A:LEU:HB2	2	0.62
(2,217)	1:10:A:ALA:HA	1:9:A:LEU:HB2	4	0.62
(2,217)	1:10:A:ALA:HA	1:9:A:LEU:HB2	8	0.62
(2,217)	1:10:A:ALA:HA	1:9:A:LEU:HB2	14	0.62
(2,135)	1:7:A:THR:HG21	1:7:A:THR:H	7	0.62
(2,135)	1:7:A:THR:HG22	1:7:A:THR:H	7	0.62
(2,135)	1:7:A:THR:HG23	1:7:A:THR:H	7	0.62
(2,101)	1:5:A:ALA:HA	1:8:A:ASP:HB2	1	0.62
(2,101)	1:5:A:ALA:HA	1:8:A:ASP:HB2	8	0.62
(2,63)	1:81:A:ILE:HD11	1:64:A:LEU:HB3	2	0.62
(2,63)	1:81:A:ILE:HD12	1:64:A:LEU:HB3	2	0.62
(2,63)	1:81:A:ILE:HD13	1:64:A:LEU:HB3	2	0.62
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG21	3	0.62
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG22	3	0.62
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG23	3	0.62
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG21	3	0.62
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG22	3	0.62
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG23	3	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG21	6	0.62
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG22	6	0.62
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG23	6	0.62
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG21	6	0.62
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG22	6	0.62
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG23	6	0.62
(1,602)	1:57:A:ASP:H	1:57:A:ASP:HB3	2	0.62
(1,584)	1:96:A:THR:H	1:92:A:GLN:HB2	10	0.62
(1,584)	1:96:A:THR:H	1:92:A:GLN:HB2	11	0.62
(1,584)	1:96:A:THR:H	1:92:A:GLN:HB2	13	0.62
(1,526)	1:20:A:GLN:H	1:20:A:GLN:HG3	7	0.62
(1,366)	1:19:A:GLN:H	1:19:A:GLN:HG2	5	0.62
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD21	12	0.62
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD22	12	0.62
(1,351)	1:17:A:SER:H	1:16:A:LEU:HD23	12	0.62
(1,279)	1:14:A:ASN:HD21	1:14:A:ASN:HB2	12	0.62
(1,274)	1:81:A:ILE:H	1:80:A:LEU:H	5	0.62
(1,250)	1:99:A:THR:H	1:99:A:THR:HG21	7	0.62
(1,250)	1:99:A:THR:H	1:99:A:THR:HG22	7	0.62
(1,250)	1:99:A:THR:H	1:99:A:THR:HG23	7	0.62
(1,158)	1:5:A:ALA:H	1:4:A:SER:HA	14	0.62
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD21	14	0.62
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD22	14	0.62
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD23	14	0.62
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG21	13	0.62
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG22	13	0.62
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG23	13	0.62
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD11	9	0.61
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD12	9	0.61
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD13	9	0.61
(2,1869)	1:65:A:ARG:HD2	1:65:A:ARG:HE	16	0.61
(2,1838)	1:13:A:LEU:HD21	1:14:A:ASN:HA	12	0.61
(2,1838)	1:13:A:LEU:HD22	1:14:A:ASN:HA	12	0.61
(2,1838)	1:13:A:LEU:HD23	1:14:A:ASN:HA	12	0.61
(2,1820)	1:5:A:ALA:HB1	1:5:A:ALA:H	3	0.61
(2,1820)	1:5:A:ALA:HB2	1:5:A:ALA:H	3	0.61
(2,1820)	1:5:A:ALA:HB3	1:5:A:ALA:H	3	0.61
(2,1820)	1:5:A:ALA:HB1	1:5:A:ALA:H	10	0.61
(2,1820)	1:5:A:ALA:HB2	1:5:A:ALA:H	10	0.61
(2,1820)	1:5:A:ALA:HB3	1:5:A:ALA:H	10	0.61
(2,1740)	1:94:A:LEU:HA	1:97:A:ARG:HB2	9	0.61
(2,1684)	1:90:A:LEU:HD21	1:91:A:THR:HA	15	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1684)	1:90:A:LEU:HD22	1:91:A:THR:HA	15	0.61
(2,1684)	1:90:A:LEU:HD23	1:91:A:THR:HA	15	0.61
(2,1676)	1:90:A:LEU:HG	1:90:A:LEU:HB3	6	0.61
(2,1676)	1:90:A:LEU:HG	1:90:A:LEU:HB3	13	0.61
(2,1676)	1:90:A:LEU:HG	1:90:A:LEU:HB3	15	0.61
(2,1673)	1:90:A:LEU:HB3	1:91:A:THR:H	7	0.61
(2,1575)	1:84:A:HIS:HB2	1:84:A:HIS:H	14	0.61
(2,1571)	1:84:A:HIS:HD2	1:83:A:ASP:HB3	11	0.61
(2,1539)	1:98:A:LEU:HB2	1:99:A:THR:H	12	0.61
(2,1537)	1:98:A:LEU:HB2	1:98:A:LEU:H	3	0.61
(2,1525)	1:16:A:LEU:HB2	1:16:A:LEU:H	2	0.61
(2,1413)	1:56:A:ILE:HD11	1:51:A:PHE:HB2	2	0.61
(2,1413)	1:56:A:ILE:HD12	1:51:A:PHE:HB2	2	0.61
(2,1413)	1:56:A:ILE:HD13	1:51:A:PHE:HB2	2	0.61
(2,1401)	1:45:A:ILE:HD11	1:34:A:ALA:HA	13	0.61
(2,1401)	1:45:A:ILE:HD12	1:34:A:ALA:HA	13	0.61
(2,1401)	1:45:A:ILE:HD13	1:34:A:ALA:HA	13	0.61
(2,1401)	1:45:A:ILE:HD11	1:34:A:ALA:HA	14	0.61
(2,1401)	1:45:A:ILE:HD12	1:34:A:ALA:HA	14	0.61
(2,1401)	1:45:A:ILE:HD13	1:34:A:ALA:HA	14	0.61
(2,1398)	1:45:A:ILE:HD11	1:39:A:HIS:HB2	13	0.61
(2,1398)	1:45:A:ILE:HD12	1:39:A:HIS:HB2	13	0.61
(2,1398)	1:45:A:ILE:HD13	1:39:A:HIS:HB2	13	0.61
(2,1392)	1:81:A:ILE:HG12	1:81:A:ILE:H	1	0.61
(2,1392)	1:81:A:ILE:HG12	1:81:A:ILE:H	8	0.61
(2,1392)	1:81:A:ILE:HG12	1:81:A:ILE:H	15	0.61
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD21	10	0.61
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD22	10	0.61
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD23	10	0.61
(2,1369)	1:97:A:ARG:HB2	1:97:A:ARG:H	14	0.61
(2,1319)	1:68:A:LEU:HB3	1:68:A:LEU:H	3	0.61
(2,1296)	1:66:A:ASN:HB2	1:63:A:GLU:HA	7	0.61
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG21	8	0.61
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG22	8	0.61
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG23	8	0.61
(2,1192)	1:62:A:LEU:HB2	1:65:A:ARG:HB2	5	0.61
(2,1192)	1:62:A:LEU:HB2	1:65:A:ARG:HB2	9	0.61
(2,1122)	1:56:A:ILE:HG21	1:51:A:PHE:HB3	2	0.61
(2,1122)	1:56:A:ILE:HG22	1:51:A:PHE:HB3	2	0.61
(2,1122)	1:56:A:ILE:HG23	1:51:A:PHE:HB3	2	0.61
(2,1014)	1:50:A:ALA:HA	1:51:A:PHE:HB3	7	0.61
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD11	12	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD12	12	0.61
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD13	12	0.61
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB1	1	0.61
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB2	1	0.61
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB3	1	0.61
(2,851)	1:74:A:LEU:HD21	1:75:A:ASP:H	10	0.61
(2,851)	1:74:A:LEU:HD22	1:75:A:ASP:H	10	0.61
(2,851)	1:74:A:LEU:HD23	1:75:A:ASP:H	10	0.61
(2,689)	1:62:A:LEU:HD11	1:65:A:ARG:H	2	0.61
(2,689)	1:62:A:LEU:HD12	1:65:A:ARG:H	2	0.61
(2,689)	1:62:A:LEU:HD13	1:65:A:ARG:H	2	0.61
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD1	14	0.61
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD2	14	0.61
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD1	14	0.61
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD2	14	0.61
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD1	14	0.61
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD2	14	0.61
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD21	2	0.61
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD22	2	0.61
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD23	2	0.61
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD21	2	0.61
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD22	2	0.61
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD23	2	0.61
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD21	2	0.61
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD22	2	0.61
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD23	2	0.61
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD21	15	0.61
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD22	15	0.61
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD23	15	0.61
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD21	15	0.61
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD22	15	0.61
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD23	15	0.61
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD21	15	0.61
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD22	15	0.61
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD23	15	0.61
(2,557)	1:28:A:LEU:HD21	1:32:A:ALA:H	10	0.61
(2,557)	1:28:A:LEU:HD22	1:32:A:ALA:H	10	0.61
(2,557)	1:28:A:LEU:HD23	1:32:A:ALA:H	10	0.61
(2,537)	1:24:A:THR:HG21	1:25:A:LEU:HB2	4	0.61
(2,537)	1:24:A:THR:HG22	1:25:A:LEU:HB2	4	0.61
(2,537)	1:24:A:THR:HG23	1:25:A:LEU:HB2	4	0.61
(2,508)	1:23:A:GLN:HB3	1:20:A:GLN:HA	1	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD21	14	0.61
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD22	14	0.61
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD23	14	0.61
(2,423)	1:18:A:PRO:HA	1:21:A:GLN:HB2	16	0.61
(2,417)	1:21:A:GLN:HB2	1:21:A:GLN:H	7	0.61
(2,322)	1:87:A:PRO:HD2	1:88:A:HIS:H	6	0.61
(2,322)	1:87:A:PRO:HD2	1:88:A:HIS:H	8	0.61
(2,313)	1:85:A:PRO:HD2	1:84:A:HIS:HA	12	0.61
(2,217)	1:10:A:ALA:HA	1:9:A:LEU:HB2	10	0.61
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB1	5	0.61
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB2	5	0.61
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB3	5	0.61
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB1	9	0.61
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB2	9	0.61
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB3	9	0.61
(2,153)	1:71:A:ASN:HA	1:70:A:HIS:HB2	4	0.61
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD21	6	0.61
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD22	6	0.61
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD23	6	0.61
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD21	6	0.61
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD22	6	0.61
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD23	6	0.61
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD21	6	0.61
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD22	6	0.61
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD23	6	0.61
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD21	7	0.61
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD22	7	0.61
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD23	7	0.61
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD21	7	0.61
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD22	7	0.61
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD23	7	0.61
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD21	7	0.61
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD22	7	0.61
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD23	7	0.61
(2,142)	1:33:A:THR:HG21	1:54:A:LEU:HG	2	0.61
(2,142)	1:33:A:THR:HG22	1:54:A:LEU:HG	2	0.61
(2,142)	1:33:A:THR:HG23	1:54:A:LEU:HG	2	0.61
(2,142)	1:33:A:THR:HG21	1:54:A:LEU:HG	7	0.61
(2,142)	1:33:A:THR:HG22	1:54:A:LEU:HG	7	0.61
(2,142)	1:33:A:THR:HG23	1:54:A:LEU:HG	7	0.61
(2,142)	1:33:A:THR:HG21	1:54:A:LEU:HG	12	0.61
(2,142)	1:33:A:THR:HG22	1:54:A:LEU:HG	12	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,142)	1:33:A:THR:HG23	1:54:A:LEU:HG	12	0.61
(2,139)	1:7:A:THR:HG21	1:4:A:SER:HB3	7	0.61
(2,139)	1:7:A:THR:HG22	1:4:A:SER:HB3	7	0.61
(2,139)	1:7:A:THR:HG23	1:4:A:SER:HB3	7	0.61
(2,117)	1:6:A:ALA:HA	1:4:A:SER:HA	4	0.61
(2,63)	1:81:A:ILE:HD11	1:64:A:LEU:HB3	5	0.61
(2,63)	1:81:A:ILE:HD12	1:64:A:LEU:HB3	5	0.61
(2,63)	1:81:A:ILE:HD13	1:64:A:LEU:HB3	5	0.61
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD11	7	0.61
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD12	7	0.61
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD13	7	0.61
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD11	7	0.61
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD12	7	0.61
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD13	7	0.61
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD11	7	0.61
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD12	7	0.61
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD13	7	0.61
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG21	14	0.61
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG22	14	0.61
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG23	14	0.61
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG21	14	0.61
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG22	14	0.61
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG23	14	0.61
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD1	4	0.61
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD2	4	0.61
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG21	13	0.61
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG22	13	0.61
(1,596)	1:33:A:THR:H	1:29:A:VAL:HG23	13	0.61
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD21	1	0.61
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD22	1	0.61
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD23	1	0.61
(1,526)	1:20:A:GLN:H	1:20:A:GLN:HG3	14	0.61
(1,349)	1:17:A:SER:H	1:20:A:GLN:HB2	5	0.61
(1,279)	1:14:A:ASN:HD21	1:14:A:ASN:HB2	14	0.61
(1,274)	1:81:A:ILE:H	1:80:A:LEU:H	2	0.61
(1,274)	1:81:A:ILE:H	1:80:A:LEU:H	4	0.61
(1,274)	1:81:A:ILE:H	1:80:A:LEU:H	6	0.61
(1,274)	1:81:A:ILE:H	1:80:A:LEU:H	8	0.61
(1,158)	1:5:A:ALA:H	1:4:A:SER:HA	5	0.61
(1,143)	1:49:A:THR:H	1:50:A:ALA:H	14	0.61
(2,1893)	1:90:A:LEU:HD21	1:81:A:ILE:HG12	10	0.6
(2,1893)	1:90:A:LEU:HD22	1:81:A:ILE:HG12	10	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1893)	1:90:A:LEU:HD23	1:81:A:ILE:HG12	10	0.6
(2,1893)	1:90:A:LEU:HD21	1:81:A:ILE:HG12	15	0.6
(2,1893)	1:90:A:LEU:HD22	1:81:A:ILE:HG12	15	0.6
(2,1893)	1:90:A:LEU:HD23	1:81:A:ILE:HG12	15	0.6
(2,1869)	1:65:A:ARG:HD2	1:65:A:ARG:HE	2	0.6
(2,1820)	1:5:A:ALA:HB1	1:5:A:ALA:H	7	0.6
(2,1820)	1:5:A:ALA:HB2	1:5:A:ALA:H	7	0.6
(2,1820)	1:5:A:ALA:HB3	1:5:A:ALA:H	7	0.6
(2,1820)	1:5:A:ALA:HB1	1:5:A:ALA:H	14	0.6
(2,1820)	1:5:A:ALA:HB2	1:5:A:ALA:H	14	0.6
(2,1820)	1:5:A:ALA:HB3	1:5:A:ALA:H	14	0.6
(2,1764)	1:97:A:ARG:HD2	1:97:A:ARG:HA	12	0.6
(2,1740)	1:94:A:LEU:HA	1:97:A:ARG:HB2	11	0.6
(2,1696)	1:91:A:THR:HA	1:25:A:LEU:HB3	13	0.6
(2,1676)	1:90:A:LEU:HG	1:90:A:LEU:HB3	10	0.6
(2,1676)	1:90:A:LEU:HG	1:90:A:LEU:HB3	12	0.6
(2,1676)	1:90:A:LEU:HG	1:90:A:LEU:HB3	16	0.6
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB1	4	0.6
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB2	4	0.6
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB3	4	0.6
(2,1575)	1:84:A:HIS:HB2	1:84:A:HIS:H	3	0.6
(2,1575)	1:84:A:HIS:HB2	1:84:A:HIS:H	8	0.6
(2,1575)	1:84:A:HIS:HB2	1:84:A:HIS:H	9	0.6
(2,1575)	1:84:A:HIS:HB2	1:84:A:HIS:H	10	0.6
(2,1575)	1:84:A:HIS:HB2	1:84:A:HIS:H	11	0.6
(2,1539)	1:98:A:LEU:HB2	1:99:A:THR:H	7	0.6
(2,1537)	1:98:A:LEU:HB2	1:98:A:LEU:H	11	0.6
(2,1529)	1:16:A:LEU:HB3	1:21:A:GLN:H	5	0.6
(2,1529)	1:16:A:LEU:HB3	1:21:A:GLN:H	6	0.6
(2,1529)	1:16:A:LEU:HB3	1:21:A:GLN:H	16	0.6
(2,1525)	1:16:A:LEU:HB2	1:16:A:LEU:H	5	0.6
(2,1525)	1:16:A:LEU:HB2	1:16:A:LEU:H	8	0.6
(2,1413)	1:56:A:ILE:HD11	1:51:A:PHE:HB2	5	0.6
(2,1413)	1:56:A:ILE:HD12	1:51:A:PHE:HB2	5	0.6
(2,1413)	1:56:A:ILE:HD13	1:51:A:PHE:HB2	5	0.6
(2,1401)	1:45:A:ILE:HD11	1:34:A:ALA:HA	4	0.6
(2,1401)	1:45:A:ILE:HD12	1:34:A:ALA:HA	4	0.6
(2,1401)	1:45:A:ILE:HD13	1:34:A:ALA:HA	4	0.6
(2,1401)	1:45:A:ILE:HD11	1:34:A:ALA:HA	9	0.6
(2,1401)	1:45:A:ILE:HD12	1:34:A:ALA:HA	9	0.6
(2,1401)	1:45:A:ILE:HD13	1:34:A:ALA:HA	9	0.6
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB1	2	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB2	2	0.6
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB3	2	0.6
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB1	6	0.6
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB2	6	0.6
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB3	6	0.6
(2,1304)	1:66:A:ASN:HB2	1:66:A:ASN:H	13	0.6
(2,1075)	1:54:A:LEU:HD21	1:45:A:ILE:HG13	7	0.6
(2,1075)	1:54:A:LEU:HD22	1:45:A:ILE:HG13	7	0.6
(2,1075)	1:54:A:LEU:HD23	1:45:A:ILE:HG13	7	0.6
(2,1014)	1:50:A:ALA:HA	1:51:A:PHE:HB3	1	0.6
(2,1014)	1:50:A:ALA:HA	1:51:A:PHE:HB3	2	0.6
(2,1014)	1:50:A:ALA:HA	1:51:A:PHE:HB3	4	0.6
(2,1014)	1:50:A:ALA:HA	1:51:A:PHE:HB3	5	0.6
(2,1014)	1:50:A:ALA:HA	1:51:A:PHE:HB3	6	0.6
(2,1014)	1:50:A:ALA:HA	1:51:A:PHE:HB3	11	0.6
(2,1014)	1:50:A:ALA:HA	1:51:A:PHE:HB3	14	0.6
(2,1014)	1:50:A:ALA:HA	1:51:A:PHE:HB3	16	0.6
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD11	5	0.6
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD12	5	0.6
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD13	5	0.6
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD11	6	0.6
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD12	6	0.6
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD13	6	0.6
(2,894)	1:41:A:THR:HB	1:43:A:GLU:HB2	10	0.6
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG21	2	0.6
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG22	2	0.6
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG23	2	0.6
(2,747)	1:33:A:THR:HA	1:36:A:VAL:H	13	0.6
(2,689)	1:62:A:LEU:HD11	1:65:A:ARG:H	4	0.6
(2,689)	1:62:A:LEU:HD12	1:65:A:ARG:H	4	0.6
(2,689)	1:62:A:LEU:HD13	1:65:A:ARG:H	4	0.6
(2,689)	1:62:A:LEU:HD11	1:65:A:ARG:H	9	0.6
(2,689)	1:62:A:LEU:HD12	1:65:A:ARG:H	9	0.6
(2,689)	1:62:A:LEU:HD13	1:65:A:ARG:H	9	0.6
(2,658)	1:29:A:VAL:HA	1:28:A:LEU:HB2	11	0.6
(2,658)	1:29:A:VAL:HA	1:28:A:LEU:HB2	12	0.6
(2,649)	1:28:A:LEU:HD21	1:71:A:ASN:HB2	1	0.6
(2,649)	1:28:A:LEU:HD22	1:71:A:ASN:HB2	1	0.6
(2,649)	1:28:A:LEU:HD23	1:71:A:ASN:HB2	1	0.6
(2,649)	1:28:A:LEU:HD21	1:71:A:ASN:HB2	7	0.6
(2,649)	1:28:A:LEU:HD22	1:71:A:ASN:HB2	7	0.6
(2,649)	1:28:A:LEU:HD23	1:71:A:ASN:HB2	7	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD21	3	0.6
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD22	3	0.6
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD23	3	0.6
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD21	4	0.6
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD22	4	0.6
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD23	4	0.6
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD21	10	0.6
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD22	10	0.6
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD23	10	0.6
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD21	16	0.6
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD22	16	0.6
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD23	16	0.6
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD1	4	0.6
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD2	4	0.6
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD1	4	0.6
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD2	4	0.6
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD1	4	0.6
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD2	4	0.6
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD1	8	0.6
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD2	8	0.6
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD1	8	0.6
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD2	8	0.6
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD1	8	0.6
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD2	8	0.6
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD1	9	0.6
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD2	9	0.6
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD1	9	0.6
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD2	9	0.6
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD1	9	0.6
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD2	9	0.6
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD1	11	0.6
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD2	11	0.6
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD1	11	0.6
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD2	11	0.6
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD1	11	0.6
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD2	11	0.6
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD21	7	0.6
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD22	7	0.6
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD23	7	0.6
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD21	7	0.6
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD22	7	0.6
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD23	7	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD21	7	0.6
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD22	7	0.6
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD23	7	0.6
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD21	10	0.6
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD22	10	0.6
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD23	10	0.6
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD21	10	0.6
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD22	10	0.6
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD23	10	0.6
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD21	10	0.6
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD22	10	0.6
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD23	10	0.6
(2,557)	1:28:A:LEU:HD21	1:32:A:ALA:H	4	0.6
(2,557)	1:28:A:LEU:HD22	1:32:A:ALA:H	4	0.6
(2,557)	1:28:A:LEU:HD23	1:32:A:ALA:H	4	0.6
(2,557)	1:28:A:LEU:HD21	1:32:A:ALA:H	9	0.6
(2,557)	1:28:A:LEU:HD22	1:32:A:ALA:H	9	0.6
(2,557)	1:28:A:LEU:HD23	1:32:A:ALA:H	9	0.6
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD21	6	0.6
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD22	6	0.6
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD23	6	0.6
(2,417)	1:21:A:GLN:HB2	1:21:A:GLN:H	1	0.6
(2,417)	1:21:A:GLN:HB2	1:21:A:GLN:H	11	0.6
(2,313)	1:85:A:PRO:HD2	1:84:A:HIS:HA	4	0.6
(2,313)	1:85:A:PRO:HD2	1:84:A:HIS:HA	8	0.6
(2,313)	1:85:A:PRO:HD2	1:84:A:HIS:HA	15	0.6
(2,217)	1:10:A:ALA:HA	1:9:A:LEU:HB2	3	0.6
(2,217)	1:10:A:ALA:HA	1:9:A:LEU:HB2	13	0.6
(2,153)	1:71:A:ASN:HA	1:70:A:HIS:HB2	7	0.6
(2,153)	1:71:A:ASN:HA	1:70:A:HIS:HB2	16	0.6
(2,142)	1:33:A:THR:HG21	1:54:A:LEU:HG	1	0.6
(2,142)	1:33:A:THR:HG22	1:54:A:LEU:HG	1	0.6
(2,142)	1:33:A:THR:HG23	1:54:A:LEU:HG	1	0.6
(2,142)	1:33:A:THR:HG21	1:54:A:LEU:HG	4	0.6
(2,142)	1:33:A:THR:HG22	1:54:A:LEU:HG	4	0.6
(2,142)	1:33:A:THR:HG23	1:54:A:LEU:HG	4	0.6
(2,142)	1:33:A:THR:HG21	1:54:A:LEU:HG	11	0.6
(2,142)	1:33:A:THR:HG22	1:54:A:LEU:HG	11	0.6
(2,142)	1:33:A:THR:HG23	1:54:A:LEU:HG	11	0.6
(2,135)	1:7:A:THR:HG21	1:7:A:THR:H	10	0.6
(2,135)	1:7:A:THR:HG22	1:7:A:THR:H	10	0.6
(2,135)	1:7:A:THR:HG23	1:7:A:THR:H	10	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,135)	1:7:A:THR:HG21	1:7:A:THR:H	12	0.6
(2,135)	1:7:A:THR:HG22	1:7:A:THR:H	12	0.6
(2,135)	1:7:A:THR:HG23	1:7:A:THR:H	12	0.6
(2,117)	1:6:A:ALA:HA	1:4:A:SER:HA	1	0.6
(2,63)	1:81:A:ILE:HD11	1:64:A:LEU:HB3	1	0.6
(2,63)	1:81:A:ILE:HD12	1:64:A:LEU:HB3	1	0.6
(2,63)	1:81:A:ILE:HD13	1:64:A:LEU:HB3	1	0.6
(2,63)	1:81:A:ILE:HD11	1:64:A:LEU:HB3	14	0.6
(2,63)	1:81:A:ILE:HD12	1:64:A:LEU:HB3	14	0.6
(2,63)	1:81:A:ILE:HD13	1:64:A:LEU:HB3	14	0.6
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD11	11	0.6
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD12	11	0.6
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD13	11	0.6
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD11	11	0.6
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD12	11	0.6
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD13	11	0.6
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD11	11	0.6
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD12	11	0.6
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD13	11	0.6
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD11	15	0.6
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD12	15	0.6
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD13	15	0.6
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD11	15	0.6
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD12	15	0.6
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD13	15	0.6
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD11	15	0.6
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD12	15	0.6
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD13	15	0.6
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG21	15	0.6
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG22	15	0.6
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG23	15	0.6
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG21	15	0.6
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG22	15	0.6
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG23	15	0.6
(2,31)	1:39:A:HIS:HD2	1:37:A:LEU:HB3	13	0.6
(1,602)	1:57:A:ASP:H	1:57:A:ASP:HB3	12	0.6
(1,576)	1:28:A:LEU:H	1:27:A:THR:H	7	0.6
(1,576)	1:28:A:LEU:H	1:27:A:THR:H	8	0.6
(1,576)	1:28:A:LEU:H	1:27:A:THR:H	9	0.6
(1,576)	1:28:A:LEU:H	1:27:A:THR:H	15	0.6
(1,349)	1:17:A:SER:H	1:20:A:GLN:HB2	1	0.6
(1,349)	1:17:A:SER:H	1:20:A:GLN:HB2	7	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,279)	1:14:A:ASN:HD21	1:14:A:ASN:HB2	2	0.6
(1,274)	1:81:A:ILE:H	1:80:A:LEU:H	12	0.6
(1,158)	1:5:A:ALA:H	1:4:A:SER:HA	6	0.6
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG21	1	0.6
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG22	1	0.6
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG23	1	0.6
(2,1869)	1:65:A:ARG:HD2	1:65:A:ARG:HE	6	0.59
(2,1858)	1:25:A:LEU:HG	1:21:A:GLN:HA	15	0.59
(2,1820)	1:5:A:ALA:HB1	1:5:A:ALA:H	8	0.59
(2,1820)	1:5:A:ALA:HB2	1:5:A:ALA:H	8	0.59
(2,1820)	1:5:A:ALA:HB3	1:5:A:ALA:H	8	0.59
(2,1820)	1:5:A:ALA:HB1	1:5:A:ALA:H	9	0.59
(2,1820)	1:5:A:ALA:HB2	1:5:A:ALA:H	9	0.59
(2,1820)	1:5:A:ALA:HB3	1:5:A:ALA:H	9	0.59
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG21	16	0.59
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG22	16	0.59
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG23	16	0.59
(2,1696)	1:91:A:THR:HA	1:25:A:LEU:HB3	7	0.59
(2,1684)	1:90:A:LEU:HD21	1:91:A:THR:HA	11	0.59
(2,1684)	1:90:A:LEU:HD22	1:91:A:THR:HA	11	0.59
(2,1684)	1:90:A:LEU:HD23	1:91:A:THR:HA	11	0.59
(2,1684)	1:90:A:LEU:HD21	1:91:A:THR:HA	16	0.59
(2,1684)	1:90:A:LEU:HD22	1:91:A:THR:HA	16	0.59
(2,1684)	1:90:A:LEU:HD23	1:91:A:THR:HA	16	0.59
(2,1676)	1:90:A:LEU:HG	1:90:A:LEU:HB3	3	0.59
(2,1676)	1:90:A:LEU:HG	1:90:A:LEU:HB3	7	0.59
(2,1676)	1:90:A:LEU:HG	1:90:A:LEU:HB3	11	0.59
(2,1673)	1:90:A:LEU:HB3	1:91:A:THR:H	5	0.59
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB1	11	0.59
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB2	11	0.59
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB3	11	0.59
(2,1624)	1:87:A:PRO:HB2	1:26:A:ALA:HA	13	0.59
(2,1575)	1:84:A:HIS:HB2	1:84:A:HIS:H	2	0.59
(2,1575)	1:84:A:HIS:HB2	1:84:A:HIS:H	6	0.59
(2,1575)	1:84:A:HIS:HB2	1:84:A:HIS:H	7	0.59
(2,1575)	1:84:A:HIS:HB2	1:84:A:HIS:H	12	0.59
(2,1575)	1:84:A:HIS:HB2	1:84:A:HIS:H	15	0.59
(2,1571)	1:84:A:HIS:HD2	1:83:A:ASP:HB3	3	0.59
(2,1537)	1:98:A:LEU:HB2	1:98:A:LEU:H	13	0.59
(2,1537)	1:98:A:LEU:HB2	1:98:A:LEU:H	14	0.59
(2,1529)	1:16:A:LEU:HB3	1:21:A:GLN:H	4	0.59
(2,1525)	1:16:A:LEU:HB2	1:16:A:LEU:H	4	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1521)	1:16:A:LEU:HB2	1:21:A:GLN:HG2	15	0.59
(2,1506)	1:72:A:THR:HG21	1:68:A:LEU:HB2	9	0.59
(2,1506)	1:72:A:THR:HG22	1:68:A:LEU:HB2	9	0.59
(2,1506)	1:72:A:THR:HG23	1:68:A:LEU:HB2	9	0.59
(2,1471)	1:74:A:LEU:HB2	1:74:A:LEU:H	10	0.59
(2,1431)	1:67:A:THR:HB	1:71:A:ASN:HD21	12	0.59
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB1	7	0.59
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB2	7	0.59
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB3	7	0.59
(2,1304)	1:66:A:ASN:HB2	1:66:A:ASN:H	5	0.59
(2,1304)	1:66:A:ASN:HB2	1:66:A:ASN:H	8	0.59
(2,1304)	1:66:A:ASN:HB2	1:66:A:ASN:H	12	0.59
(2,1212)	1:63:A:GLU:HA	1:66:A:ASN:HD21	8	0.59
(2,1192)	1:62:A:LEU:HB2	1:65:A:ARG:HB2	14	0.59
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD11	11	0.59
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD12	11	0.59
(2,1085)	1:55:A:GLY:HA2	1:37:A:LEU:HD13	11	0.59
(2,1014)	1:50:A:ALA:HA	1:51:A:PHE:HB3	8	0.59
(2,1014)	1:50:A:ALA:HA	1:51:A:PHE:HB3	15	0.59
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB1	13	0.59
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB2	13	0.59
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB3	13	0.59
(2,894)	1:41:A:THR:HB	1:43:A:GLU:HB2	11	0.59
(2,747)	1:33:A:THR:HA	1:36:A:VAL:H	14	0.59
(2,689)	1:62:A:LEU:HD11	1:65:A:ARG:H	10	0.59
(2,689)	1:62:A:LEU:HD12	1:65:A:ARG:H	10	0.59
(2,689)	1:62:A:LEU:HD13	1:65:A:ARG:H	10	0.59
(2,689)	1:62:A:LEU:HD11	1:65:A:ARG:H	14	0.59
(2,689)	1:62:A:LEU:HD12	1:65:A:ARG:H	14	0.59
(2,689)	1:62:A:LEU:HD13	1:65:A:ARG:H	14	0.59
(2,689)	1:62:A:LEU:HD11	1:65:A:ARG:H	16	0.59
(2,689)	1:62:A:LEU:HD12	1:65:A:ARG:H	16	0.59
(2,689)	1:62:A:LEU:HD13	1:65:A:ARG:H	16	0.59
(2,658)	1:29:A:VAL:HA	1:28:A:LEU:HB2	1	0.59
(2,658)	1:29:A:VAL:HA	1:28:A:LEU:HB2	3	0.59
(2,658)	1:29:A:VAL:HA	1:28:A:LEU:HB2	8	0.59
(2,658)	1:29:A:VAL:HA	1:28:A:LEU:HB2	13	0.59
(2,658)	1:29:A:VAL:HA	1:28:A:LEU:HB2	15	0.59
(2,658)	1:29:A:VAL:HA	1:28:A:LEU:HB2	16	0.59
(2,649)	1:28:A:LEU:HD21	1:71:A:ASN:HB2	5	0.59
(2,649)	1:28:A:LEU:HD22	1:71:A:ASN:HB2	5	0.59
(2,649)	1:28:A:LEU:HD23	1:71:A:ASN:HB2	5	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD21	1	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD22	1	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD23	1	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD21	2	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD22	2	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD23	2	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD21	5	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD22	5	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD23	5	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD21	6	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD22	6	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD23	6	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD21	7	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD22	7	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD23	7	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD21	8	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD22	8	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD23	8	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD21	9	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD22	9	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD23	9	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD21	12	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD22	12	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD23	12	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD21	13	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD22	13	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD23	13	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD21	14	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD22	14	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD23	14	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD21	15	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD22	15	0.59
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD23	15	0.59
(2,634)	1:28:A:LEU:HG	1:27:A:THR:H	5	0.59
(2,634)	1:28:A:LEU:HG	1:27:A:THR:H	6	0.59
(2,557)	1:28:A:LEU:HD21	1:32:A:ALA:H	2	0.59
(2,557)	1:28:A:LEU:HD22	1:32:A:ALA:H	2	0.59
(2,557)	1:28:A:LEU:HD23	1:32:A:ALA:H	2	0.59
(2,557)	1:28:A:LEU:HD21	1:32:A:ALA:H	5	0.59
(2,557)	1:28:A:LEU:HD22	1:32:A:ALA:H	5	0.59
(2,557)	1:28:A:LEU:HD23	1:32:A:ALA:H	5	0.59
(2,557)	1:28:A:LEU:HD21	1:32:A:ALA:H	14	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,557)	1:28:A:LEU:HD22	1:32:A:ALA:H	14	0.59
(2,557)	1:28:A:LEU:HD23	1:32:A:ALA:H	14	0.59
(2,557)	1:28:A:LEU:HD21	1:32:A:ALA:H	15	0.59
(2,557)	1:28:A:LEU:HD22	1:32:A:ALA:H	15	0.59
(2,557)	1:28:A:LEU:HD23	1:32:A:ALA:H	15	0.59
(2,557)	1:28:A:LEU:HD21	1:32:A:ALA:H	16	0.59
(2,557)	1:28:A:LEU:HD22	1:32:A:ALA:H	16	0.59
(2,557)	1:28:A:LEU:HD23	1:32:A:ALA:H	16	0.59
(2,537)	1:24:A:THR:HG21	1:25:A:LEU:HB2	2	0.59
(2,537)	1:24:A:THR:HG22	1:25:A:LEU:HB2	2	0.59
(2,537)	1:24:A:THR:HG23	1:25:A:LEU:HB2	2	0.59
(2,513)	1:23:A:GLN:HG3	1:23:A:GLN:H	1	0.59
(2,454)	1:20:A:GLN:HB2	1:17:A:SER:H	11	0.59
(2,423)	1:18:A:PRO:HA	1:21:A:GLN:HB2	8	0.59
(2,423)	1:18:A:PRO:HA	1:21:A:GLN:HB2	14	0.59
(2,417)	1:21:A:GLN:HB2	1:21:A:GLN:H	5	0.59
(2,417)	1:21:A:GLN:HB2	1:21:A:GLN:H	8	0.59
(2,313)	1:85:A:PRO:HD2	1:84:A:HIS:HA	2	0.59
(2,313)	1:85:A:PRO:HD2	1:84:A:HIS:HA	10	0.59
(2,313)	1:85:A:PRO:HD2	1:84:A:HIS:HA	11	0.59
(2,281)	1:12:A:ARG:HD3	1:12:A:ARG:H	4	0.59
(2,236)	1:31:A:ALA:HB1	1:42:A:PRO:HB2	2	0.59
(2,236)	1:31:A:ALA:HB2	1:42:A:PRO:HB2	2	0.59
(2,236)	1:31:A:ALA:HB3	1:42:A:PRO:HB2	2	0.59
(2,217)	1:10:A:ALA:HA	1:9:A:LEU:HB2	6	0.59
(2,217)	1:10:A:ALA:HA	1:9:A:LEU:HB2	12	0.59
(2,153)	1:71:A:ASN:HA	1:70:A:HIS:HB2	8	0.59
(2,73)	1:81:A:ILE:HD11	1:51:A:PHE:HA	4	0.59
(2,73)	1:81:A:ILE:HD12	1:51:A:PHE:HA	4	0.59
(2,73)	1:81:A:ILE:HD13	1:51:A:PHE:HA	4	0.59
(1,602)	1:57:A:ASP:H	1:57:A:ASP:HB3	10	0.59
(1,576)	1:28:A:LEU:H	1:27:A:THR:H	3	0.59
(1,576)	1:28:A:LEU:H	1:27:A:THR:H	5	0.59
(1,576)	1:28:A:LEU:H	1:27:A:THR:H	6	0.59
(1,576)	1:28:A:LEU:H	1:27:A:THR:H	10	0.59
(1,576)	1:28:A:LEU:H	1:27:A:THR:H	11	0.59
(1,557)	1:23:A:GLN:H	1:23:A:GLN:HG3	1	0.59
(1,526)	1:20:A:GLN:H	1:20:A:GLN:HG3	8	0.59
(1,408)	1:4:A:SER:H	1:3:A:ALA:HA	4	0.59
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD21	1	0.59
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD22	1	0.59
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD23	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD21	16	0.59
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD22	16	0.59
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD23	16	0.59
(1,282)	1:14:A:ASN:HD21	1:11:A:ALA:HA	16	0.59
(1,279)	1:14:A:ASN:HD21	1:14:A:ASN:HB2	3	0.59
(1,279)	1:14:A:ASN:HD21	1:14:A:ASN:HB2	9	0.59
(1,279)	1:14:A:ASN:HD21	1:14:A:ASN:HB2	13	0.59
(1,208)	1:48:A:ALA:H	1:47:A:PRO:HG3	8	0.59
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD21	7	0.59
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD22	7	0.59
(1,193)	1:53:A:ASP:H	1:54:A:LEU:HD23	7	0.59
(1,191)	1:62:A:LEU:H	1:65:A:ARG:HB2	16	0.59
(1,158)	1:5:A:ALA:H	1:4:A:SER:HA	12	0.59
(1,41)	1:15:A:GLY:H	1:14:A:ASN:H	12	0.59
(2,1864)	1:65:A:ARG:HD3	1:66:A:ASN:HA	1	0.58
(2,1764)	1:97:A:ARG:HD2	1:97:A:ARG:HA	1	0.58
(2,1763)	1:41:A:THR:HG21	1:40:A:HIS:HB2	10	0.58
(2,1763)	1:41:A:THR:HG22	1:40:A:HIS:HB2	10	0.58
(2,1763)	1:41:A:THR:HG23	1:40:A:HIS:HB2	10	0.58
(2,1673)	1:90:A:LEU:HB3	1:91:A:THR:H	14	0.58
(2,1654)	1:89:A:ALA:HB1	1:86:A:THR:H	2	0.58
(2,1654)	1:89:A:ALA:HB2	1:86:A:THR:H	2	0.58
(2,1654)	1:89:A:ALA:HB3	1:86:A:THR:H	2	0.58
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD21	3	0.58
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD22	3	0.58
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD23	3	0.58
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD21	10	0.58
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD22	10	0.58
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD23	10	0.58
(2,1575)	1:84:A:HIS:HB2	1:84:A:HIS:H	5	0.58
(2,1575)	1:84:A:HIS:HB2	1:84:A:HIS:H	16	0.58
(2,1529)	1:16:A:LEU:HB3	1:21:A:GLN:H	1	0.58
(2,1529)	1:16:A:LEU:HB3	1:21:A:GLN:H	2	0.58
(2,1529)	1:16:A:LEU:HB3	1:21:A:GLN:H	13	0.58
(2,1521)	1:16:A:LEU:HB2	1:21:A:GLN:HG2	1	0.58
(2,1499)	1:79:A:THR:HA	1:78:A:PRO:HB3	9	0.58
(2,1493)	1:79:A:THR:HB	1:82:A:PHE:HB2	12	0.58
(2,1471)	1:74:A:LEU:HB2	1:74:A:LEU:H	11	0.58
(2,1392)	1:81:A:ILE:HG12	1:81:A:ILE:H	4	0.58
(2,1392)	1:81:A:ILE:HG12	1:81:A:ILE:H	16	0.58
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD21	3	0.58
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD22	3	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD23	3	0.58
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD21	12	0.58
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD22	12	0.58
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD23	12	0.58
(2,1365)	1:93:A:HIS:HB3	1:94:A:LEU:H	16	0.58
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD11	8	0.58
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD12	8	0.58
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD13	8	0.58
(2,1304)	1:66:A:ASN:HB2	1:66:A:ASN:H	14	0.58
(2,1304)	1:66:A:ASN:HB2	1:66:A:ASN:H	15	0.58
(2,1296)	1:66:A:ASN:HB2	1:63:A:GLU:HA	10	0.58
(2,1225)	1:63:A:GLU:HG2	1:60:A:THR:HA	8	0.58
(2,1192)	1:62:A:LEU:HB2	1:65:A:ARG:HB2	2	0.58
(2,1192)	1:62:A:LEU:HB2	1:65:A:ARG:HB2	4	0.58
(2,1106)	1:81:A:ILE:HG21	1:85:A:PRO:HA	15	0.58
(2,1106)	1:81:A:ILE:HG22	1:85:A:PRO:HA	15	0.58
(2,1106)	1:81:A:ILE:HG23	1:85:A:PRO:HA	15	0.58
(2,1075)	1:54:A:LEU:HD21	1:45:A:ILE:HG13	10	0.58
(2,1075)	1:54:A:LEU:HD22	1:45:A:ILE:HG13	10	0.58
(2,1075)	1:54:A:LEU:HD23	1:45:A:ILE:HG13	10	0.58
(2,1024)	1:51:A:PHE:HD1	1:51:A:PHE:HB2	8	0.58
(2,1024)	1:51:A:PHE:HD2	1:51:A:PHE:HB2	8	0.58
(2,1014)	1:50:A:ALA:HA	1:51:A:PHE:HB3	3	0.58
(2,1014)	1:50:A:ALA:HA	1:51:A:PHE:HB3	10	0.58
(2,1014)	1:50:A:ALA:HA	1:51:A:PHE:HB3	13	0.58
(2,923)	1:101:A:SER:HB2	1:102:A:HIS:H	14	0.58
(2,901)	1:41:A:THR:HG21	1:40:A:HIS:HD2	10	0.58
(2,901)	1:41:A:THR:HG22	1:40:A:HIS:HD2	10	0.58
(2,901)	1:41:A:THR:HG23	1:40:A:HIS:HD2	10	0.58
(2,747)	1:33:A:THR:HA	1:36:A:VAL:H	7	0.58
(2,747)	1:33:A:THR:HA	1:36:A:VAL:H	12	0.58
(2,689)	1:62:A:LEU:HD11	1:65:A:ARG:H	1	0.58
(2,689)	1:62:A:LEU:HD12	1:65:A:ARG:H	1	0.58
(2,689)	1:62:A:LEU:HD13	1:65:A:ARG:H	1	0.58
(2,689)	1:62:A:LEU:HD11	1:65:A:ARG:H	5	0.58
(2,689)	1:62:A:LEU:HD12	1:65:A:ARG:H	5	0.58
(2,689)	1:62:A:LEU:HD13	1:65:A:ARG:H	5	0.58
(2,689)	1:62:A:LEU:HD11	1:65:A:ARG:H	6	0.58
(2,689)	1:62:A:LEU:HD12	1:65:A:ARG:H	6	0.58
(2,689)	1:62:A:LEU:HD13	1:65:A:ARG:H	6	0.58
(2,658)	1:29:A:VAL:HA	1:28:A:LEU:HB2	4	0.58
(2,658)	1:29:A:VAL:HA	1:28:A:LEU:HB2	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,649)	1:28:A:LEU:HD21	1:71:A:ASN:HB2	13	0.58
(2,649)	1:28:A:LEU:HD22	1:71:A:ASN:HB2	13	0.58
(2,649)	1:28:A:LEU:HD23	1:71:A:ASN:HB2	13	0.58
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD21	11	0.58
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD22	11	0.58
(2,645)	1:28:A:LEU:HA	1:28:A:LEU:HD23	11	0.58
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD1	5	0.58
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD2	5	0.58
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD1	5	0.58
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD2	5	0.58
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD1	5	0.58
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD2	5	0.58
(2,634)	1:28:A:LEU:HG	1:27:A:THR:H	2	0.58
(2,634)	1:28:A:LEU:HG	1:27:A:THR:H	4	0.58
(2,634)	1:28:A:LEU:HG	1:27:A:THR:H	14	0.58
(2,557)	1:28:A:LEU:HD21	1:32:A:ALA:H	1	0.58
(2,557)	1:28:A:LEU:HD22	1:32:A:ALA:H	1	0.58
(2,557)	1:28:A:LEU:HD23	1:32:A:ALA:H	1	0.58
(2,557)	1:28:A:LEU:HD21	1:32:A:ALA:H	7	0.58
(2,557)	1:28:A:LEU:HD22	1:32:A:ALA:H	7	0.58
(2,557)	1:28:A:LEU:HD23	1:32:A:ALA:H	7	0.58
(2,557)	1:28:A:LEU:HD21	1:32:A:ALA:H	8	0.58
(2,557)	1:28:A:LEU:HD22	1:32:A:ALA:H	8	0.58
(2,557)	1:28:A:LEU:HD23	1:32:A:ALA:H	8	0.58
(2,537)	1:24:A:THR:HG21	1:25:A:LEU:HB2	7	0.58
(2,537)	1:24:A:THR:HG22	1:25:A:LEU:HB2	7	0.58
(2,537)	1:24:A:THR:HG23	1:25:A:LEU:HB2	7	0.58
(2,537)	1:24:A:THR:HG21	1:25:A:LEU:HB2	13	0.58
(2,537)	1:24:A:THR:HG22	1:25:A:LEU:HB2	13	0.58
(2,537)	1:24:A:THR:HG23	1:25:A:LEU:HB2	13	0.58
(2,513)	1:23:A:GLN:HG3	1:23:A:GLN:H	10	0.58
(2,513)	1:23:A:GLN:HG3	1:23:A:GLN:H	15	0.58
(2,508)	1:23:A:GLN:HB3	1:20:A:GLN:HA	7	0.58
(2,451)	1:20:A:GLN:HB2	1:20:A:GLN:H	7	0.58
(2,449)	1:63:A:GLU:HB2	1:62:A:LEU:H	14	0.58
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD21	11	0.58
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD22	11	0.58
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD23	11	0.58
(2,417)	1:21:A:GLN:HB2	1:21:A:GLN:H	3	0.58
(2,417)	1:21:A:GLN:HB2	1:21:A:GLN:H	6	0.58
(2,394)	1:19:A:GLN:HG2	1:19:A:GLN:HA	14	0.58
(2,313)	1:85:A:PRO:HD2	1:84:A:HIS:HA	14	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,236)	1:31:A:ALA:HB1	1:42:A:PRO:HB2	1	0.58
(2,236)	1:31:A:ALA:HB2	1:42:A:PRO:HB2	1	0.58
(2,236)	1:31:A:ALA:HB3	1:42:A:PRO:HB2	1	0.58
(2,153)	1:71:A:ASN:HA	1:70:A:HIS:HB2	6	0.58
(2,142)	1:33:A:THR:HG21	1:54:A:LEU:HG	3	0.58
(2,142)	1:33:A:THR:HG22	1:54:A:LEU:HG	3	0.58
(2,142)	1:33:A:THR:HG23	1:54:A:LEU:HG	3	0.58
(2,135)	1:7:A:THR:HG21	1:7:A:THR:H	1	0.58
(2,135)	1:7:A:THR:HG22	1:7:A:THR:H	1	0.58
(2,135)	1:7:A:THR:HG23	1:7:A:THR:H	1	0.58
(2,135)	1:7:A:THR:HG21	1:7:A:THR:H	15	0.58
(2,135)	1:7:A:THR:HG22	1:7:A:THR:H	15	0.58
(2,135)	1:7:A:THR:HG23	1:7:A:THR:H	15	0.58
(2,101)	1:5:A:ALA:HA	1:8:A:ASP:HB2	3	0.58
(2,73)	1:81:A:ILE:HD11	1:51:A:PHE:HA	16	0.58
(2,73)	1:81:A:ILE:HD12	1:51:A:PHE:HA	16	0.58
(2,73)	1:81:A:ILE:HD13	1:51:A:PHE:HA	16	0.58
(2,63)	1:81:A:ILE:HD11	1:64:A:LEU:HB3	9	0.58
(2,63)	1:81:A:ILE:HD12	1:64:A:LEU:HB3	9	0.58
(2,63)	1:81:A:ILE:HD13	1:64:A:LEU:HB3	9	0.58
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD11	10	0.58
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD12	10	0.58
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD13	10	0.58
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD11	10	0.58
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD12	10	0.58
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD13	10	0.58
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD11	10	0.58
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD12	10	0.58
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD13	10	0.58
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD11	12	0.58
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD12	12	0.58
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD13	12	0.58
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD11	12	0.58
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD12	12	0.58
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD13	12	0.58
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD11	12	0.58
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD12	12	0.58
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD13	12	0.58
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD11	16	0.58
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD12	16	0.58
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD13	16	0.58
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD11	16	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD12	16	0.58
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD13	16	0.58
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD11	16	0.58
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD12	16	0.58
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD13	16	0.58
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD1	8	0.58
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD2	8	0.58
(1,584)	1:96:A:THR:H	1:92:A:GLN:HB2	1	0.58
(1,584)	1:96:A:THR:H	1:92:A:GLN:HB2	6	0.58
(1,584)	1:96:A:THR:H	1:92:A:GLN:HB2	8	0.58
(1,584)	1:96:A:THR:H	1:92:A:GLN:HB2	14	0.58
(1,584)	1:96:A:THR:H	1:92:A:GLN:HB2	15	0.58
(1,576)	1:28:A:LEU:H	1:27:A:THR:H	12	0.58
(1,576)	1:28:A:LEU:H	1:27:A:THR:H	16	0.58
(1,558)	1:23:A:GLN:H	1:23:A:GLN:HB3	10	0.58
(1,558)	1:23:A:GLN:H	1:23:A:GLN:HB3	15	0.58
(1,557)	1:23:A:GLN:H	1:23:A:GLN:HG3	10	0.58
(1,557)	1:23:A:GLN:H	1:23:A:GLN:HG3	15	0.58
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD21	4	0.58
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD22	4	0.58
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD23	4	0.58
(1,279)	1:14:A:ASN:HD21	1:14:A:ASN:HB2	10	0.58
(1,279)	1:14:A:ASN:HD21	1:14:A:ASN:HB2	11	0.58
(1,274)	1:81:A:ILE:H	1:80:A:LEU:H	10	0.58
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD11	7	0.58
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD12	7	0.58
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD13	7	0.58
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD11	12	0.58
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD12	12	0.58
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD13	12	0.58
(1,158)	1:5:A:ALA:H	1:4:A:SER:HA	7	0.58
(1,143)	1:49:A:THR:H	1:50:A:ALA:H	15	0.58
(2,1858)	1:25:A:LEU:HG	1:21:A:GLN:HA	6	0.57
(2,1820)	1:5:A:ALA:HB1	1:5:A:ALA:H	5	0.57
(2,1820)	1:5:A:ALA:HB2	1:5:A:ALA:H	5	0.57
(2,1820)	1:5:A:ALA:HB3	1:5:A:ALA:H	5	0.57
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD21	8	0.57
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD22	8	0.57
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD23	8	0.57
(2,1764)	1:97:A:ARG:HD2	1:97:A:ARG:HA	6	0.57
(2,1684)	1:90:A:LEU:HD21	1:91:A:THR:HA	2	0.57
(2,1684)	1:90:A:LEU:HD22	1:91:A:THR:HA	2	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1684)	1:90:A:LEU:HD23	1:91:A:THR:HA	2	0.57
(2,1673)	1:90:A:LEU:HB3	1:91:A:THR:H	4	0.57
(2,1654)	1:89:A:ALA:HB1	1:86:A:THR:H	15	0.57
(2,1654)	1:89:A:ALA:HB2	1:86:A:THR:H	15	0.57
(2,1654)	1:89:A:ALA:HB3	1:86:A:THR:H	15	0.57
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB1	12	0.57
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB2	12	0.57
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB3	12	0.57
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB1	14	0.57
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB2	14	0.57
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB3	14	0.57
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD21	7	0.57
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD22	7	0.57
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD23	7	0.57
(2,1575)	1:84:A:HIS:HB2	1:84:A:HIS:H	4	0.57
(2,1537)	1:98:A:LEU:HB2	1:98:A:LEU:H	2	0.57
(2,1525)	1:16:A:LEU:HB2	1:16:A:LEU:H	15	0.57
(2,1519)	1:16:A:LEU:HB2	1:21:A:GLN:HG3	3	0.57
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG21	3	0.57
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG22	3	0.57
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG23	3	0.57
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB1	16	0.57
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB2	16	0.57
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB3	16	0.57
(2,1365)	1:93:A:HIS:HB3	1:94:A:LEU:H	1	0.57
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD11	1	0.57
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD12	1	0.57
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD13	1	0.57
(2,1304)	1:66:A:ASN:HB2	1:66:A:ASN:H	6	0.57
(2,1296)	1:66:A:ASN:HB2	1:63:A:GLU:HA	12	0.57
(2,1075)	1:54:A:LEU:HD21	1:45:A:ILE:HG13	3	0.57
(2,1075)	1:54:A:LEU:HD22	1:45:A:ILE:HG13	3	0.57
(2,1075)	1:54:A:LEU:HD23	1:45:A:ILE:HG13	3	0.57
(2,1024)	1:51:A:PHE:HD1	1:51:A:PHE:HB2	9	0.57
(2,1024)	1:51:A:PHE:HD2	1:51:A:PHE:HB2	9	0.57
(2,1014)	1:50:A:ALA:HA	1:51:A:PHE:HB3	12	0.57
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD11	2	0.57
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD12	2	0.57
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD13	2	0.57
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD11	11	0.57
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD12	11	0.57
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD13	11	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,911)	1:43:A:GLU:HB2	1:43:A:GLU:H	13	0.57
(2,888)	1:41:A:THR:HB	1:41:A:THR:HA	3	0.57
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG21	9	0.57
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG22	9	0.57
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG23	9	0.57
(2,747)	1:33:A:THR:HA	1:36:A:VAL:H	1	0.57
(2,747)	1:33:A:THR:HA	1:36:A:VAL:H	2	0.57
(2,747)	1:33:A:THR:HA	1:36:A:VAL:H	4	0.57
(2,747)	1:33:A:THR:HA	1:36:A:VAL:H	5	0.57
(2,689)	1:62:A:LEU:HD11	1:65:A:ARG:H	13	0.57
(2,689)	1:62:A:LEU:HD12	1:65:A:ARG:H	13	0.57
(2,689)	1:62:A:LEU:HD13	1:65:A:ARG:H	13	0.57
(2,658)	1:29:A:VAL:HA	1:28:A:LEU:HB2	2	0.57
(2,658)	1:29:A:VAL:HA	1:28:A:LEU:HB2	5	0.57
(2,658)	1:29:A:VAL:HA	1:28:A:LEU:HB2	7	0.57
(2,658)	1:29:A:VAL:HA	1:28:A:LEU:HB2	9	0.57
(2,658)	1:29:A:VAL:HA	1:28:A:LEU:HB2	14	0.57
(2,649)	1:28:A:LEU:HD21	1:71:A:ASN:HB2	6	0.57
(2,649)	1:28:A:LEU:HD22	1:71:A:ASN:HB2	6	0.57
(2,649)	1:28:A:LEU:HD23	1:71:A:ASN:HB2	6	0.57
(2,634)	1:28:A:LEU:HG	1:27:A:THR:H	3	0.57
(2,634)	1:28:A:LEU:HG	1:27:A:THR:H	7	0.57
(2,634)	1:28:A:LEU:HG	1:27:A:THR:H	9	0.57
(2,634)	1:28:A:LEU:HG	1:27:A:THR:H	10	0.57
(2,634)	1:28:A:LEU:HG	1:27:A:THR:H	12	0.57
(2,634)	1:28:A:LEU:HG	1:27:A:THR:H	16	0.57
(2,557)	1:28:A:LEU:HD21	1:32:A:ALA:H	3	0.57
(2,557)	1:28:A:LEU:HD22	1:32:A:ALA:H	3	0.57
(2,557)	1:28:A:LEU:HD23	1:32:A:ALA:H	3	0.57
(2,557)	1:28:A:LEU:HD21	1:32:A:ALA:H	6	0.57
(2,557)	1:28:A:LEU:HD22	1:32:A:ALA:H	6	0.57
(2,557)	1:28:A:LEU:HD23	1:32:A:ALA:H	6	0.57
(2,460)	1:16:A:LEU:HD21	1:20:A:GLN:HB3	9	0.57
(2,460)	1:16:A:LEU:HD22	1:20:A:GLN:HB3	9	0.57
(2,460)	1:16:A:LEU:HD23	1:20:A:GLN:HB3	9	0.57
(2,451)	1:20:A:GLN:HB2	1:20:A:GLN:H	4	0.57
(2,451)	1:20:A:GLN:HB2	1:20:A:GLN:H	16	0.57
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD21	7	0.57
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD22	7	0.57
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD23	7	0.57
(2,418)	1:21:A:GLN:HB2	1:22:A:GLN:H	6	0.57
(2,313)	1:85:A:PRO:HD2	1:84:A:HIS:HA	5	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,313)	1:85:A:PRO:HD2	1:84:A:HIS:HA	9	0.57
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD11	9	0.57
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD12	9	0.57
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD13	9	0.57
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD11	9	0.57
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD12	9	0.57
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD13	9	0.57
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD11	9	0.57
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD12	9	0.57
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD13	9	0.57
(2,217)	1:10:A:ALA:HA	1:9:A:LEU:HB2	16	0.57
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB1	8	0.57
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB2	8	0.57
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB3	8	0.57
(2,153)	1:71:A:ASN:HA	1:70:A:HIS:HB2	9	0.57
(2,117)	1:6:A:ALA:HA	1:4:A:SER:HA	16	0.57
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD11	13	0.57
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD12	13	0.57
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD13	13	0.57
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD11	13	0.57
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD12	13	0.57
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD13	13	0.57
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD11	13	0.57
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD12	13	0.57
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD13	13	0.57
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG21	2	0.57
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG22	2	0.57
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG23	2	0.57
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG21	2	0.57
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG22	2	0.57
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG23	2	0.57
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD1	11	0.57
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD2	11	0.57
(1,584)	1:96:A:THR:H	1:92:A:GLN:HB2	4	0.57
(1,576)	1:28:A:LEU:H	1:27:A:THR:H	1	0.57
(1,576)	1:28:A:LEU:H	1:27:A:THR:H	2	0.57
(1,576)	1:28:A:LEU:H	1:27:A:THR:H	4	0.57
(1,576)	1:28:A:LEU:H	1:27:A:THR:H	13	0.57
(1,576)	1:28:A:LEU:H	1:27:A:THR:H	14	0.57
(1,558)	1:23:A:GLN:H	1:23:A:GLN:HB3	8	0.57
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD21	3	0.57
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD22	3	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD23	3	0.57
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD21	13	0.57
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD22	13	0.57
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD23	13	0.57
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD11	1	0.57
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD12	1	0.57
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD13	1	0.57
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD11	3	0.57
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD12	3	0.57
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD13	3	0.57
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD11	5	0.57
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD12	5	0.57
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD13	5	0.57
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD11	6	0.57
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD12	6	0.57
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD13	6	0.57
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD11	11	0.57
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD12	11	0.57
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD13	11	0.57
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD11	13	0.57
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD12	13	0.57
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD13	13	0.57
(1,158)	1:5:A:ALA:H	1:4:A:SER:HA	1	0.57
(1,143)	1:49:A:THR:H	1:50:A:ALA:H	10	0.57
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG21	2	0.57
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG22	2	0.57
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG23	2	0.57
(2,1869)	1:65:A:ARG:HD2	1:65:A:ARG:HE	14	0.56
(2,1858)	1:25:A:LEU:HG	1:21:A:GLN:HA	10	0.56
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG21	12	0.56
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG22	12	0.56
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG23	12	0.56
(2,1680)	1:90:A:LEU:HD21	1:51:A:PHE:HZ	1	0.56
(2,1680)	1:90:A:LEU:HD22	1:51:A:PHE:HZ	1	0.56
(2,1680)	1:90:A:LEU:HD23	1:51:A:PHE:HZ	1	0.56
(2,1680)	1:90:A:LEU:HD21	1:51:A:PHE:HZ	8	0.56
(2,1680)	1:90:A:LEU:HD22	1:51:A:PHE:HZ	8	0.56
(2,1680)	1:90:A:LEU:HD23	1:51:A:PHE:HZ	8	0.56
(2,1673)	1:90:A:LEU:HB3	1:91:A:THR:H	1	0.56
(2,1673)	1:90:A:LEU:HB3	1:91:A:THR:H	12	0.56
(2,1654)	1:89:A:ALA:HB1	1:86:A:THR:H	11	0.56
(2,1654)	1:89:A:ALA:HB2	1:86:A:THR:H	11	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1654)	1:89:A:ALA:HB3	1:86:A:THR:H	11	0.56
(2,1654)	1:89:A:ALA:HB1	1:86:A:THR:H	14	0.56
(2,1654)	1:89:A:ALA:HB2	1:86:A:THR:H	14	0.56
(2,1654)	1:89:A:ALA:HB3	1:86:A:THR:H	14	0.56
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB1	1	0.56
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB2	1	0.56
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB3	1	0.56
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB1	2	0.56
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB2	2	0.56
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB3	2	0.56
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB1	5	0.56
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB2	5	0.56
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB3	5	0.56
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB1	6	0.56
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB2	6	0.56
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB3	6	0.56
(2,1575)	1:84:A:HIS:HB2	1:84:A:HIS:H	1	0.56
(2,1575)	1:84:A:HIS:HB2	1:84:A:HIS:H	13	0.56
(2,1539)	1:98:A:LEU:HB2	1:99:A:THR:H	1	0.56
(2,1525)	1:16:A:LEU:HB2	1:16:A:LEU:H	9	0.56
(2,1525)	1:16:A:LEU:HB2	1:16:A:LEU:H	10	0.56
(2,1521)	1:16:A:LEU:HB2	1:21:A:GLN:HG2	12	0.56
(2,1519)	1:16:A:LEU:HB2	1:21:A:GLN:HG3	7	0.56
(2,1506)	1:72:A:THR:HG21	1:68:A:LEU:HB2	2	0.56
(2,1506)	1:72:A:THR:HG22	1:68:A:LEU:HB2	2	0.56
(2,1506)	1:72:A:THR:HG23	1:68:A:LEU:HB2	2	0.56
(2,1506)	1:72:A:THR:HG21	1:68:A:LEU:HB2	6	0.56
(2,1506)	1:72:A:THR:HG22	1:68:A:LEU:HB2	6	0.56
(2,1506)	1:72:A:THR:HG23	1:68:A:LEU:HB2	6	0.56
(2,1493)	1:79:A:THR:HB	1:82:A:PHE:HB2	15	0.56
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG21	4	0.56
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG22	4	0.56
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG23	4	0.56
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG21	13	0.56
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG22	13	0.56
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG23	13	0.56
(2,1401)	1:45:A:ILE:HD11	1:34:A:ALA:HA	8	0.56
(2,1401)	1:45:A:ILE:HD12	1:34:A:ALA:HA	8	0.56
(2,1401)	1:45:A:ILE:HD13	1:34:A:ALA:HA	8	0.56
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB1	5	0.56
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB2	5	0.56
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB3	5	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1365)	1:93:A:HIS:HB3	1:94:A:LEU:H	9	0.56
(2,1332)	1:94:A:LEU:HG	1:94:A:LEU:H	3	0.56
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD11	9	0.56
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD12	9	0.56
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD13	9	0.56
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD11	14	0.56
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD12	14	0.56
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD13	14	0.56
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD11	16	0.56
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD12	16	0.56
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD13	16	0.56
(2,1317)	1:68:A:LEU:HB3	1:68:A:LEU:HB2	3	0.56
(2,1304)	1:66:A:ASN:HB2	1:66:A:ASN:H	2	0.56
(2,1304)	1:66:A:ASN:HB2	1:66:A:ASN:H	10	0.56
(2,1296)	1:66:A:ASN:HB2	1:63:A:GLU:HA	9	0.56
(2,1296)	1:66:A:ASN:HB2	1:63:A:GLU:HA	13	0.56
(2,1212)	1:63:A:GLU:HA	1:66:A:ASN:HD21	5	0.56
(2,1193)	1:62:A:LEU:HB3	1:65:A:ARG:HB2	7	0.56
(2,1122)	1:56:A:ILE:HG21	1:51:A:PHE:HB3	1	0.56
(2,1122)	1:56:A:ILE:HG22	1:51:A:PHE:HB3	1	0.56
(2,1122)	1:56:A:ILE:HG23	1:51:A:PHE:HB3	1	0.56
(2,1103)	1:81:A:ILE:HG21	1:51:A:PHE:HB3	3	0.56
(2,1103)	1:81:A:ILE:HG22	1:51:A:PHE:HB3	3	0.56
(2,1103)	1:81:A:ILE:HG23	1:51:A:PHE:HB3	3	0.56
(2,1075)	1:54:A:LEU:HD21	1:45:A:ILE:HG13	2	0.56
(2,1075)	1:54:A:LEU:HD22	1:45:A:ILE:HG13	2	0.56
(2,1075)	1:54:A:LEU:HD23	1:45:A:ILE:HG13	2	0.56
(2,1074)	1:54:A:LEU:HD21	1:54:A:LEU:HA	7	0.56
(2,1074)	1:54:A:LEU:HD22	1:54:A:LEU:HA	7	0.56
(2,1074)	1:54:A:LEU:HD23	1:54:A:LEU:HA	7	0.56
(2,1064)	1:53:A:ASP:HB3	1:50:A:ALA:H	14	0.56
(2,1024)	1:51:A:PHE:HD1	1:51:A:PHE:HB2	1	0.56
(2,1024)	1:51:A:PHE:HD2	1:51:A:PHE:HB2	1	0.56
(2,1024)	1:51:A:PHE:HD1	1:51:A:PHE:HB2	2	0.56
(2,1024)	1:51:A:PHE:HD2	1:51:A:PHE:HB2	2	0.56
(2,1024)	1:51:A:PHE:HD1	1:51:A:PHE:HB2	3	0.56
(2,1024)	1:51:A:PHE:HD2	1:51:A:PHE:HB2	3	0.56
(2,1024)	1:51:A:PHE:HD1	1:51:A:PHE:HB2	4	0.56
(2,1024)	1:51:A:PHE:HD2	1:51:A:PHE:HB2	4	0.56
(2,1024)	1:51:A:PHE:HD1	1:51:A:PHE:HB2	5	0.56
(2,1024)	1:51:A:PHE:HD2	1:51:A:PHE:HB2	5	0.56
(2,1024)	1:51:A:PHE:HD1	1:51:A:PHE:HB2	6	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1024)	1:51:A:PHE:HD2	1:51:A:PHE:HB2	6	0.56
(2,1024)	1:51:A:PHE:HD1	1:51:A:PHE:HB2	7	0.56
(2,1024)	1:51:A:PHE:HD2	1:51:A:PHE:HB2	7	0.56
(2,1024)	1:51:A:PHE:HD1	1:51:A:PHE:HB2	10	0.56
(2,1024)	1:51:A:PHE:HD2	1:51:A:PHE:HB2	10	0.56
(2,1024)	1:51:A:PHE:HD1	1:51:A:PHE:HB2	11	0.56
(2,1024)	1:51:A:PHE:HD2	1:51:A:PHE:HB2	11	0.56
(2,1024)	1:51:A:PHE:HD1	1:51:A:PHE:HB2	13	0.56
(2,1024)	1:51:A:PHE:HD2	1:51:A:PHE:HB2	13	0.56
(2,1024)	1:51:A:PHE:HD1	1:51:A:PHE:HB2	14	0.56
(2,1024)	1:51:A:PHE:HD2	1:51:A:PHE:HB2	14	0.56
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD11	1	0.56
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD12	1	0.56
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD13	1	0.56
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD11	7	0.56
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD12	7	0.56
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD13	7	0.56
(2,851)	1:74:A:LEU:HD21	1:75:A:ASP:H	16	0.56
(2,851)	1:74:A:LEU:HD22	1:75:A:ASP:H	16	0.56
(2,851)	1:74:A:LEU:HD23	1:75:A:ASP:H	16	0.56
(2,747)	1:33:A:THR:HA	1:36:A:VAL:H	10	0.56
(2,689)	1:62:A:LEU:HD11	1:65:A:ARG:H	7	0.56
(2,689)	1:62:A:LEU:HD12	1:65:A:ARG:H	7	0.56
(2,689)	1:62:A:LEU:HD13	1:65:A:ARG:H	7	0.56
(2,689)	1:62:A:LEU:HD11	1:65:A:ARG:H	15	0.56
(2,689)	1:62:A:LEU:HD12	1:65:A:ARG:H	15	0.56
(2,689)	1:62:A:LEU:HD13	1:65:A:ARG:H	15	0.56
(2,658)	1:29:A:VAL:HA	1:28:A:LEU:HB2	10	0.56
(2,649)	1:28:A:LEU:HD21	1:71:A:ASN:HB2	4	0.56
(2,649)	1:28:A:LEU:HD22	1:71:A:ASN:HB2	4	0.56
(2,649)	1:28:A:LEU:HD23	1:71:A:ASN:HB2	4	0.56
(2,634)	1:28:A:LEU:HG	1:27:A:THR:H	1	0.56
(2,634)	1:28:A:LEU:HG	1:27:A:THR:H	8	0.56
(2,634)	1:28:A:LEU:HG	1:27:A:THR:H	11	0.56
(2,634)	1:28:A:LEU:HG	1:27:A:THR:H	13	0.56
(2,634)	1:28:A:LEU:HG	1:27:A:THR:H	15	0.56
(2,557)	1:28:A:LEU:HD21	1:32:A:ALA:H	12	0.56
(2,557)	1:28:A:LEU:HD22	1:32:A:ALA:H	12	0.56
(2,557)	1:28:A:LEU:HD23	1:32:A:ALA:H	12	0.56
(2,537)	1:24:A:THR:HG21	1:25:A:LEU:HB2	15	0.56
(2,537)	1:24:A:THR:HG22	1:25:A:LEU:HB2	15	0.56
(2,537)	1:24:A:THR:HG23	1:25:A:LEU:HB2	15	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,513)	1:23:A:GLN:HG3	1:23:A:GLN:H	11	0.56
(2,508)	1:23:A:GLN:HB3	1:20:A:GLN:HA	2	0.56
(2,460)	1:16:A:LEU:HD21	1:20:A:GLN:HB3	10	0.56
(2,460)	1:16:A:LEU:HD22	1:20:A:GLN:HB3	10	0.56
(2,460)	1:16:A:LEU:HD23	1:20:A:GLN:HB3	10	0.56
(2,451)	1:20:A:GLN:HB2	1:20:A:GLN:H	11	0.56
(2,423)	1:18:A:PRO:HA	1:21:A:GLN:HB2	3	0.56
(2,417)	1:21:A:GLN:HB2	1:21:A:GLN:H	9	0.56
(2,281)	1:12:A:ARG:HD3	1:12:A:ARG:H	16	0.56
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB1	12	0.56
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB2	12	0.56
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB3	12	0.56
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB1	14	0.56
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB2	14	0.56
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB3	14	0.56
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD21	2	0.56
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD22	2	0.56
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD23	2	0.56
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD21	2	0.56
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD22	2	0.56
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD23	2	0.56
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD21	2	0.56
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD22	2	0.56
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD23	2	0.56
(2,142)	1:33:A:THR:HG21	1:54:A:LEU:HG	16	0.56
(2,142)	1:33:A:THR:HG22	1:54:A:LEU:HG	16	0.56
(2,142)	1:33:A:THR:HG23	1:54:A:LEU:HG	16	0.56
(2,135)	1:7:A:THR:HG21	1:7:A:THR:H	6	0.56
(2,135)	1:7:A:THR:HG22	1:7:A:THR:H	6	0.56
(2,135)	1:7:A:THR:HG23	1:7:A:THR:H	6	0.56
(2,63)	1:81:A:ILE:HD11	1:64:A:LEU:HB3	16	0.56
(2,63)	1:81:A:ILE:HD12	1:64:A:LEU:HB3	16	0.56
(2,63)	1:81:A:ILE:HD13	1:64:A:LEU:HB3	16	0.56
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD11	1	0.56
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD12	1	0.56
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD13	1	0.56
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD11	1	0.56
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD12	1	0.56
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD13	1	0.56
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD11	1	0.56
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD12	1	0.56
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD13	1	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG21	4	0.56
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG22	4	0.56
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG23	4	0.56
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG21	4	0.56
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG22	4	0.56
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG23	4	0.56
(2,31)	1:39:A:HIS:HD2	1:37:A:LEU:HB3	12	0.56
(1,558)	1:23:A:GLN:H	1:23:A:GLN:HB3	1	0.56
(1,558)	1:23:A:GLN:H	1:23:A:GLN:HB3	6	0.56
(1,558)	1:23:A:GLN:H	1:23:A:GLN:HB3	11	0.56
(1,558)	1:23:A:GLN:H	1:23:A:GLN:HB3	16	0.56
(1,557)	1:23:A:GLN:H	1:23:A:GLN:HG3	11	0.56
(1,396)	1:7:A:THR:H	1:7:A:THR:HG21	9	0.56
(1,396)	1:7:A:THR:H	1:7:A:THR:HG22	9	0.56
(1,396)	1:7:A:THR:H	1:7:A:THR:HG23	9	0.56
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB1	7	0.56
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB2	7	0.56
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB3	7	0.56
(1,279)	1:14:A:ASN:HD21	1:14:A:ASN:HB2	8	0.56
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD11	4	0.56
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD12	4	0.56
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD13	4	0.56
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD11	8	0.56
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD12	8	0.56
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD13	8	0.56
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD11	9	0.56
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD12	9	0.56
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD13	9	0.56
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD11	10	0.56
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD12	10	0.56
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD13	10	0.56
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD11	14	0.56
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD12	14	0.56
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD13	14	0.56
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD11	16	0.56
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD12	16	0.56
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD13	16	0.56
(1,158)	1:5:A:ALA:H	1:4:A:SER:HA	13	0.56
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD11	5	0.55
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD12	5	0.55
(2,1884)	1:13:A:LEU:HG	1:9:A:LEU:HD13	5	0.55
(2,1868)	1:65:A:ARG:HD3	1:66:A:ASN:H	13	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1866)	1:65:A:ARG:HD3	1:65:A:ARG:HD2	11	0.55
(2,1854)	1:74:A:LEU:HG	1:74:A:LEU:HB2	15	0.55
(2,1763)	1:41:A:THR:HG21	1:40:A:HIS:HB2	8	0.55
(2,1763)	1:41:A:THR:HG22	1:40:A:HIS:HB2	8	0.55
(2,1763)	1:41:A:THR:HG23	1:40:A:HIS:HB2	8	0.55
(2,1751)	1:95:A:HIS:HB3	1:95:A:HIS:HB2	3	0.55
(2,1751)	1:95:A:HIS:HB3	1:95:A:HIS:HB2	8	0.55
(2,1751)	1:95:A:HIS:HB3	1:95:A:HIS:HB2	11	0.55
(2,1745)	1:94:A:LEU:HB2	1:94:A:LEU:HB3	1	0.55
(2,1745)	1:94:A:LEU:HB2	1:94:A:LEU:HB3	3	0.55
(2,1745)	1:94:A:LEU:HB2	1:94:A:LEU:HB3	4	0.55
(2,1745)	1:94:A:LEU:HB2	1:94:A:LEU:HB3	5	0.55
(2,1745)	1:94:A:LEU:HB2	1:94:A:LEU:HB3	6	0.55
(2,1745)	1:94:A:LEU:HB2	1:94:A:LEU:HB3	7	0.55
(2,1745)	1:94:A:LEU:HB2	1:94:A:LEU:HB3	8	0.55
(2,1745)	1:94:A:LEU:HB2	1:94:A:LEU:HB3	9	0.55
(2,1745)	1:94:A:LEU:HB2	1:94:A:LEU:HB3	10	0.55
(2,1745)	1:94:A:LEU:HB2	1:94:A:LEU:HB3	11	0.55
(2,1745)	1:94:A:LEU:HB2	1:94:A:LEU:HB3	12	0.55
(2,1745)	1:94:A:LEU:HB2	1:94:A:LEU:HB3	13	0.55
(2,1745)	1:94:A:LEU:HB2	1:94:A:LEU:HB3	16	0.55
(2,1684)	1:90:A:LEU:HD21	1:91:A:THR:HA	3	0.55
(2,1684)	1:90:A:LEU:HD22	1:91:A:THR:HA	3	0.55
(2,1684)	1:90:A:LEU:HD23	1:91:A:THR:HA	3	0.55
(2,1654)	1:89:A:ALA:HB1	1:86:A:THR:H	1	0.55
(2,1654)	1:89:A:ALA:HB2	1:86:A:THR:H	1	0.55
(2,1654)	1:89:A:ALA:HB3	1:86:A:THR:H	1	0.55
(2,1654)	1:89:A:ALA:HB1	1:86:A:THR:H	4	0.55
(2,1654)	1:89:A:ALA:HB2	1:86:A:THR:H	4	0.55
(2,1654)	1:89:A:ALA:HB3	1:86:A:THR:H	4	0.55
(2,1654)	1:89:A:ALA:HB1	1:86:A:THR:H	5	0.55
(2,1654)	1:89:A:ALA:HB2	1:86:A:THR:H	5	0.55
(2,1654)	1:89:A:ALA:HB3	1:86:A:THR:H	5	0.55
(2,1654)	1:89:A:ALA:HB1	1:86:A:THR:H	7	0.55
(2,1654)	1:89:A:ALA:HB2	1:86:A:THR:H	7	0.55
(2,1654)	1:89:A:ALA:HB3	1:86:A:THR:H	7	0.55
(2,1654)	1:89:A:ALA:HB1	1:86:A:THR:H	13	0.55
(2,1654)	1:89:A:ALA:HB2	1:86:A:THR:H	13	0.55
(2,1654)	1:89:A:ALA:HB3	1:86:A:THR:H	13	0.55
(2,1654)	1:89:A:ALA:HB1	1:86:A:THR:H	16	0.55
(2,1654)	1:89:A:ALA:HB2	1:86:A:THR:H	16	0.55
(2,1654)	1:89:A:ALA:HB3	1:86:A:THR:H	16	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB1	15	0.55
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB2	15	0.55
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB3	15	0.55
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD21	15	0.55
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD22	15	0.55
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD23	15	0.55
(2,1573)	1:83:A:ASP:HB3	1:83:A:ASP:HB2	13	0.55
(2,1573)	1:83:A:ASP:HB3	1:83:A:ASP:HB2	15	0.55
(2,1538)	1:98:A:LEU:HB3	1:99:A:THR:H	15	0.55
(2,1525)	1:16:A:LEU:HB2	1:16:A:LEU:H	1	0.55
(2,1525)	1:16:A:LEU:HB2	1:16:A:LEU:H	13	0.55
(2,1525)	1:16:A:LEU:HB2	1:16:A:LEU:H	14	0.55
(2,1521)	1:16:A:LEU:HB2	1:21:A:GLN:HG2	7	0.55
(2,1521)	1:16:A:LEU:HB2	1:21:A:GLN:HG2	14	0.55
(2,1506)	1:72:A:THR:HG21	1:68:A:LEU:HB2	1	0.55
(2,1506)	1:72:A:THR:HG22	1:68:A:LEU:HB2	1	0.55
(2,1506)	1:72:A:THR:HG23	1:68:A:LEU:HB2	1	0.55
(2,1506)	1:72:A:THR:HG21	1:68:A:LEU:HB2	7	0.55
(2,1506)	1:72:A:THR:HG22	1:68:A:LEU:HB2	7	0.55
(2,1506)	1:72:A:THR:HG23	1:68:A:LEU:HB2	7	0.55
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG21	6	0.55
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG22	6	0.55
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG23	6	0.55
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB1	1	0.55
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB2	1	0.55
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB3	1	0.55
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB1	3	0.55
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB2	3	0.55
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB3	3	0.55
(2,1374)	1:97:A:ARG:HD2	1:97:A:ARG:HB3	15	0.55
(2,1365)	1:93:A:HIS:HB3	1:94:A:LEU:H	3	0.55
(2,1365)	1:93:A:HIS:HB3	1:94:A:LEU:H	13	0.55
(2,1317)	1:68:A:LEU:HB3	1:68:A:LEU:HB2	1	0.55
(2,1317)	1:68:A:LEU:HB3	1:68:A:LEU:HB2	2	0.55
(2,1317)	1:68:A:LEU:HB3	1:68:A:LEU:HB2	4	0.55
(2,1317)	1:68:A:LEU:HB3	1:68:A:LEU:HB2	5	0.55
(2,1317)	1:68:A:LEU:HB3	1:68:A:LEU:HB2	6	0.55
(2,1317)	1:68:A:LEU:HB3	1:68:A:LEU:HB2	7	0.55
(2,1317)	1:68:A:LEU:HB3	1:68:A:LEU:HB2	8	0.55
(2,1317)	1:68:A:LEU:HB3	1:68:A:LEU:HB2	9	0.55
(2,1317)	1:68:A:LEU:HB3	1:68:A:LEU:HB2	10	0.55
(2,1317)	1:68:A:LEU:HB3	1:68:A:LEU:HB2	11	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1317)	1:68:A:LEU:HB3	1:68:A:LEU:HB2	12	0.55
(2,1317)	1:68:A:LEU:HB3	1:68:A:LEU:HB2	13	0.55
(2,1317)	1:68:A:LEU:HB3	1:68:A:LEU:HB2	14	0.55
(2,1317)	1:68:A:LEU:HB3	1:68:A:LEU:HB2	15	0.55
(2,1317)	1:68:A:LEU:HB3	1:68:A:LEU:HB2	16	0.55
(2,1296)	1:66:A:ASN:HB2	1:63:A:GLU:HA	4	0.55
(2,1296)	1:66:A:ASN:HB2	1:63:A:GLU:HA	15	0.55
(2,1296)	1:66:A:ASN:HB2	1:63:A:GLU:HA	16	0.55
(2,1212)	1:63:A:GLU:HA	1:66:A:ASN:HD21	16	0.55
(2,1075)	1:54:A:LEU:HD21	1:45:A:ILE:HG13	5	0.55
(2,1075)	1:54:A:LEU:HD22	1:45:A:ILE:HG13	5	0.55
(2,1075)	1:54:A:LEU:HD23	1:45:A:ILE:HG13	5	0.55
(2,1024)	1:51:A:PHE:HD1	1:51:A:PHE:HB2	12	0.55
(2,1024)	1:51:A:PHE:HD2	1:51:A:PHE:HB2	12	0.55
(2,1024)	1:51:A:PHE:HD1	1:51:A:PHE:HB2	15	0.55
(2,1024)	1:51:A:PHE:HD2	1:51:A:PHE:HB2	15	0.55
(2,1024)	1:51:A:PHE:HD1	1:51:A:PHE:HB2	16	0.55
(2,1024)	1:51:A:PHE:HD2	1:51:A:PHE:HB2	16	0.55
(2,1011)	1:75:A:ASP:HA	1:74:A:LEU:HG	14	0.55
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD11	4	0.55
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD12	4	0.55
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD13	4	0.55
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD11	13	0.55
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD12	13	0.55
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD13	13	0.55
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD11	14	0.55
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD12	14	0.55
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD13	14	0.55
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD11	15	0.55
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD12	15	0.55
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD13	15	0.55
(2,888)	1:41:A:THR:HB	1:41:A:THR:HA	2	0.55
(2,747)	1:33:A:THR:HA	1:36:A:VAL:H	6	0.55
(2,747)	1:33:A:THR:HA	1:36:A:VAL:H	9	0.55
(2,747)	1:33:A:THR:HA	1:36:A:VAL:H	11	0.55
(2,747)	1:33:A:THR:HA	1:36:A:VAL:H	15	0.55
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD1	15	0.55
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD2	15	0.55
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD1	15	0.55
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD2	15	0.55
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD1	15	0.55
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD2	15	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,554)	1:25:A:LEU:HB2	1:25:A:LEU:HB3	1	0.55
(2,554)	1:25:A:LEU:HB2	1:25:A:LEU:HB3	2	0.55
(2,554)	1:25:A:LEU:HB2	1:25:A:LEU:HB3	3	0.55
(2,554)	1:25:A:LEU:HB2	1:25:A:LEU:HB3	4	0.55
(2,554)	1:25:A:LEU:HB2	1:25:A:LEU:HB3	5	0.55
(2,554)	1:25:A:LEU:HB2	1:25:A:LEU:HB3	6	0.55
(2,554)	1:25:A:LEU:HB2	1:25:A:LEU:HB3	7	0.55
(2,554)	1:25:A:LEU:HB2	1:25:A:LEU:HB3	8	0.55
(2,554)	1:25:A:LEU:HB2	1:25:A:LEU:HB3	9	0.55
(2,554)	1:25:A:LEU:HB2	1:25:A:LEU:HB3	10	0.55
(2,554)	1:25:A:LEU:HB2	1:25:A:LEU:HB3	11	0.55
(2,554)	1:25:A:LEU:HB2	1:25:A:LEU:HB3	12	0.55
(2,554)	1:25:A:LEU:HB2	1:25:A:LEU:HB3	13	0.55
(2,554)	1:25:A:LEU:HB2	1:25:A:LEU:HB3	14	0.55
(2,554)	1:25:A:LEU:HB2	1:25:A:LEU:HB3	15	0.55
(2,554)	1:25:A:LEU:HB2	1:25:A:LEU:HB3	16	0.55
(2,537)	1:24:A:THR:HG21	1:25:A:LEU:HB2	5	0.55
(2,537)	1:24:A:THR:HG22	1:25:A:LEU:HB2	5	0.55
(2,537)	1:24:A:THR:HG23	1:25:A:LEU:HB2	5	0.55
(2,513)	1:23:A:GLN:HG3	1:23:A:GLN:H	7	0.55
(2,471)	1:22:A:GLN:HA	1:25:A:LEU:HB3	1	0.55
(2,454)	1:20:A:GLN:HB2	1:17:A:SER:H	3	0.55
(2,451)	1:20:A:GLN:HB2	1:20:A:GLN:H	2	0.55
(2,451)	1:20:A:GLN:HB2	1:20:A:GLN:H	14	0.55
(2,451)	1:20:A:GLN:HB2	1:20:A:GLN:H	15	0.55
(2,449)	1:63:A:GLU:HB2	1:62:A:LEU:H	2	0.55
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD21	16	0.55
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD22	16	0.55
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD23	16	0.55
(2,427)	1:21:A:GLN:HB2	1:21:A:GLN:HG3	1	0.55
(2,427)	1:21:A:GLN:HB2	1:21:A:GLN:HG3	3	0.55
(2,427)	1:21:A:GLN:HB2	1:21:A:GLN:HG3	6	0.55
(2,427)	1:21:A:GLN:HB2	1:21:A:GLN:HG3	7	0.55
(2,427)	1:21:A:GLN:HB2	1:21:A:GLN:HG3	11	0.55
(2,417)	1:21:A:GLN:HB2	1:21:A:GLN:H	2	0.55
(2,417)	1:21:A:GLN:HB2	1:21:A:GLN:H	10	0.55
(2,394)	1:19:A:GLN:HG2	1:19:A:GLN:HA	1	0.55
(2,394)	1:19:A:GLN:HG2	1:19:A:GLN:HA	9	0.55
(2,394)	1:19:A:GLN:HG2	1:19:A:GLN:HA	16	0.55
(2,370)	1:17:A:SER:HB2	1:20:A:GLN:HG3	9	0.55
(2,355)	1:16:A:LEU:HG	1:20:A:GLN:HG3	9	0.55
(2,355)	1:16:A:LEU:HG	1:20:A:GLN:HG3	15	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,299)	1:13:A:LEU:HB2	1:14:A:ASN:H	8	0.55
(2,299)	1:13:A:LEU:HB2	1:14:A:ASN:H	10	0.55
(2,299)	1:13:A:LEU:HB2	1:14:A:ASN:H	13	0.55
(2,281)	1:12:A:ARG:HD3	1:12:A:ARG:H	7	0.55
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD11	5	0.55
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD12	5	0.55
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD13	5	0.55
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD11	5	0.55
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD12	5	0.55
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD13	5	0.55
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD11	5	0.55
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD12	5	0.55
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD13	5	0.55
(2,235)	1:50:A:ALA:HB1	1:52:A:LYS:HE2	12	0.55
(2,235)	1:50:A:ALA:HB2	1:52:A:LYS:HE2	12	0.55
(2,235)	1:50:A:ALA:HB3	1:52:A:LYS:HE2	12	0.55
(2,153)	1:71:A:ASN:HA	1:70:A:HIS:HB2	12	0.55
(2,142)	1:33:A:THR:HG21	1:54:A:LEU:HG	15	0.55
(2,142)	1:33:A:THR:HG22	1:54:A:LEU:HG	15	0.55
(2,142)	1:33:A:THR:HG23	1:54:A:LEU:HG	15	0.55
(2,135)	1:7:A:THR:HG21	1:7:A:THR:H	4	0.55
(2,135)	1:7:A:THR:HG22	1:7:A:THR:H	4	0.55
(2,135)	1:7:A:THR:HG23	1:7:A:THR:H	4	0.55
(2,63)	1:81:A:ILE:HD11	1:64:A:LEU:HB3	3	0.55
(2,63)	1:81:A:ILE:HD12	1:64:A:LEU:HB3	3	0.55
(2,63)	1:81:A:ILE:HD13	1:64:A:LEU:HB3	3	0.55
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD11	9	0.55
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD12	9	0.55
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD13	9	0.55
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD11	9	0.55
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD12	9	0.55
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD13	9	0.55
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD11	9	0.55
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD12	9	0.55
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD13	9	0.55
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD11	2	0.55
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD12	2	0.55
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD13	2	0.55
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD11	2	0.55
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD12	2	0.55
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD13	2	0.55
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD11	2	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD12	2	0.55
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD13	2	0.55
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG21	4	0.55
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG22	4	0.55
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG23	4	0.55
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG21	4	0.55
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG22	4	0.55
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG23	4	0.55
(1,561)	1:22:A:GLN:H	1:21:A:GLN:HB2	12	0.55
(1,558)	1:23:A:GLN:H	1:23:A:GLN:HB3	2	0.55
(1,558)	1:23:A:GLN:H	1:23:A:GLN:HB3	5	0.55
(1,558)	1:23:A:GLN:H	1:23:A:GLN:HB3	7	0.55
(1,558)	1:23:A:GLN:H	1:23:A:GLN:HB3	9	0.55
(1,558)	1:23:A:GLN:H	1:23:A:GLN:HB3	12	0.55
(1,558)	1:23:A:GLN:H	1:23:A:GLN:HB3	13	0.55
(1,558)	1:23:A:GLN:H	1:23:A:GLN:HB3	14	0.55
(1,557)	1:23:A:GLN:H	1:23:A:GLN:HG3	7	0.55
(1,526)	1:20:A:GLN:H	1:20:A:GLN:HG3	2	0.55
(1,408)	1:4:A:SER:H	1:3:A:ALA:HA	10	0.55
(1,396)	1:7:A:THR:H	1:7:A:THR:HG21	5	0.55
(1,396)	1:7:A:THR:H	1:7:A:THR:HG22	5	0.55
(1,396)	1:7:A:THR:H	1:7:A:THR:HG23	5	0.55
(1,389)	1:65:A:ARG:HE	1:65:A:ARG:HG2	15	0.55
(1,349)	1:17:A:SER:H	1:20:A:GLN:HB2	2	0.55
(1,349)	1:17:A:SER:H	1:20:A:GLN:HB2	4	0.55
(1,279)	1:14:A:ASN:HD21	1:14:A:ASN:HB2	5	0.55
(1,274)	1:81:A:ILE:H	1:80:A:LEU:H	13	0.55
(1,274)	1:81:A:ILE:H	1:80:A:LEU:H	14	0.55
(1,234)	1:102:A:HIS:H	1:101:A:SER:HB2	2	0.55
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD11	2	0.55
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD12	2	0.55
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD13	2	0.55
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD11	15	0.55
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD12	15	0.55
(1,230)	1:29:A:VAL:H	1:28:A:LEU:HD13	15	0.55
(1,158)	1:5:A:ALA:H	1:4:A:SER:HA	4	0.55
(1,143)	1:49:A:THR:H	1:50:A:ALA:H	12	0.55
(1,17)	1:100:A:GLN:H	1:99:A:THR:H	2	0.55
(2,1866)	1:65:A:ARG:HD3	1:65:A:ARG:HD2	1	0.54
(2,1866)	1:65:A:ARG:HD3	1:65:A:ARG:HD2	2	0.54
(2,1866)	1:65:A:ARG:HD3	1:65:A:ARG:HD2	3	0.54
(2,1866)	1:65:A:ARG:HD3	1:65:A:ARG:HD2	4	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1866)	1:65:A:ARG:HD3	1:65:A:ARG:HD2	5	0.54
(2,1866)	1:65:A:ARG:HD3	1:65:A:ARG:HD2	6	0.54
(2,1866)	1:65:A:ARG:HD3	1:65:A:ARG:HD2	7	0.54
(2,1866)	1:65:A:ARG:HD3	1:65:A:ARG:HD2	8	0.54
(2,1866)	1:65:A:ARG:HD3	1:65:A:ARG:HD2	9	0.54
(2,1866)	1:65:A:ARG:HD3	1:65:A:ARG:HD2	10	0.54
(2,1866)	1:65:A:ARG:HD3	1:65:A:ARG:HD2	12	0.54
(2,1866)	1:65:A:ARG:HD3	1:65:A:ARG:HD2	13	0.54
(2,1866)	1:65:A:ARG:HD3	1:65:A:ARG:HD2	14	0.54
(2,1866)	1:65:A:ARG:HD3	1:65:A:ARG:HD2	16	0.54
(2,1863)	1:65:A:ARG:HD3	1:65:A:ARG:HE	14	0.54
(2,1858)	1:25:A:LEU:HG	1:21:A:GLN:HA	13	0.54
(2,1798)	1:99:A:THR:HG21	1:99:A:THR:H	11	0.54
(2,1798)	1:99:A:THR:HG22	1:99:A:THR:H	11	0.54
(2,1798)	1:99:A:THR:HG23	1:99:A:THR:H	11	0.54
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG21	8	0.54
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG22	8	0.54
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG23	8	0.54
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG21	13	0.54
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG22	13	0.54
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG23	13	0.54
(2,1751)	1:95:A:HIS:HB3	1:95:A:HIS:HB2	1	0.54
(2,1751)	1:95:A:HIS:HB3	1:95:A:HIS:HB2	2	0.54
(2,1751)	1:95:A:HIS:HB3	1:95:A:HIS:HB2	4	0.54
(2,1751)	1:95:A:HIS:HB3	1:95:A:HIS:HB2	5	0.54
(2,1751)	1:95:A:HIS:HB3	1:95:A:HIS:HB2	6	0.54
(2,1751)	1:95:A:HIS:HB3	1:95:A:HIS:HB2	7	0.54
(2,1751)	1:95:A:HIS:HB3	1:95:A:HIS:HB2	9	0.54
(2,1751)	1:95:A:HIS:HB3	1:95:A:HIS:HB2	10	0.54
(2,1751)	1:95:A:HIS:HB3	1:95:A:HIS:HB2	12	0.54
(2,1751)	1:95:A:HIS:HB3	1:95:A:HIS:HB2	13	0.54
(2,1751)	1:95:A:HIS:HB3	1:95:A:HIS:HB2	14	0.54
(2,1751)	1:95:A:HIS:HB3	1:95:A:HIS:HB2	15	0.54
(2,1751)	1:95:A:HIS:HB3	1:95:A:HIS:HB2	16	0.54
(2,1745)	1:94:A:LEU:HB2	1:94:A:LEU:HB3	2	0.54
(2,1745)	1:94:A:LEU:HB2	1:94:A:LEU:HB3	14	0.54
(2,1745)	1:94:A:LEU:HB2	1:94:A:LEU:HB3	15	0.54
(2,1654)	1:89:A:ALA:HB1	1:86:A:THR:H	3	0.54
(2,1654)	1:89:A:ALA:HB2	1:86:A:THR:H	3	0.54
(2,1654)	1:89:A:ALA:HB3	1:86:A:THR:H	3	0.54
(2,1654)	1:89:A:ALA:HB1	1:86:A:THR:H	6	0.54
(2,1654)	1:89:A:ALA:HB2	1:86:A:THR:H	6	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1654)	1:89:A:ALA:HB3	1:86:A:THR:H	6	0.54
(2,1641)	1:88:A:HIS:HB3	1:47:A:PRO:HB3	16	0.54
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB1	7	0.54
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB2	7	0.54
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB3	7	0.54
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB1	16	0.54
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB2	16	0.54
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB3	16	0.54
(2,1625)	1:87:A:PRO:HB2	1:88:A:HIS:H	6	0.54
(2,1625)	1:87:A:PRO:HB2	1:88:A:HIS:H	10	0.54
(2,1573)	1:83:A:ASP:HB3	1:83:A:ASP:HB2	1	0.54
(2,1573)	1:83:A:ASP:HB3	1:83:A:ASP:HB2	2	0.54
(2,1573)	1:83:A:ASP:HB3	1:83:A:ASP:HB2	3	0.54
(2,1573)	1:83:A:ASP:HB3	1:83:A:ASP:HB2	4	0.54
(2,1573)	1:83:A:ASP:HB3	1:83:A:ASP:HB2	5	0.54
(2,1573)	1:83:A:ASP:HB3	1:83:A:ASP:HB2	6	0.54
(2,1573)	1:83:A:ASP:HB3	1:83:A:ASP:HB2	7	0.54
(2,1573)	1:83:A:ASP:HB3	1:83:A:ASP:HB2	8	0.54
(2,1573)	1:83:A:ASP:HB3	1:83:A:ASP:HB2	9	0.54
(2,1573)	1:83:A:ASP:HB3	1:83:A:ASP:HB2	10	0.54
(2,1573)	1:83:A:ASP:HB3	1:83:A:ASP:HB2	11	0.54
(2,1573)	1:83:A:ASP:HB3	1:83:A:ASP:HB2	12	0.54
(2,1573)	1:83:A:ASP:HB3	1:83:A:ASP:HB2	14	0.54
(2,1573)	1:83:A:ASP:HB3	1:83:A:ASP:HB2	16	0.54
(2,1529)	1:16:A:LEU:HB3	1:21:A:GLN:H	9	0.54
(2,1529)	1:16:A:LEU:HB3	1:21:A:GLN:H	11	0.54
(2,1519)	1:16:A:LEU:HB2	1:21:A:GLN:HG3	9	0.54
(2,1519)	1:16:A:LEU:HB2	1:21:A:GLN:HG3	15	0.54
(2,1505)	1:72:A:THR:HG21	1:71:A:ASN:HB2	13	0.54
(2,1505)	1:72:A:THR:HG22	1:71:A:ASN:HB2	13	0.54
(2,1505)	1:72:A:THR:HG23	1:71:A:ASN:HB2	13	0.54
(2,1480)	1:78:A:PRO:HA	1:79:A:THR:H	12	0.54
(2,1392)	1:81:A:ILE:HG12	1:81:A:ILE:H	11	0.54
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB1	13	0.54
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB2	13	0.54
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB3	13	0.54
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB1	14	0.54
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB2	14	0.54
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB3	14	0.54
(2,1374)	1:97:A:ARG:HD2	1:97:A:ARG:HB3	11	0.54
(2,1365)	1:93:A:HIS:HB3	1:94:A:LEU:H	2	0.54
(2,1365)	1:93:A:HIS:HB3	1:94:A:LEU:H	5	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1365)	1:93:A:HIS:HB3	1:94:A:LEU:H	12	0.54
(2,1365)	1:93:A:HIS:HB3	1:94:A:LEU:H	15	0.54
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD11	2	0.54
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD12	2	0.54
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD13	2	0.54
(2,1304)	1:66:A:ASN:HB2	1:66:A:ASN:H	9	0.54
(2,1296)	1:66:A:ASN:HB2	1:63:A:GLU:HA	3	0.54
(2,1129)	1:57:A:ASP:HB3	1:57:A:ASP:HB2	1	0.54
(2,1129)	1:57:A:ASP:HB3	1:57:A:ASP:HB2	2	0.54
(2,1129)	1:57:A:ASP:HB3	1:57:A:ASP:HB2	3	0.54
(2,1129)	1:57:A:ASP:HB3	1:57:A:ASP:HB2	4	0.54
(2,1129)	1:57:A:ASP:HB3	1:57:A:ASP:HB2	5	0.54
(2,1129)	1:57:A:ASP:HB3	1:57:A:ASP:HB2	6	0.54
(2,1129)	1:57:A:ASP:HB3	1:57:A:ASP:HB2	7	0.54
(2,1129)	1:57:A:ASP:HB3	1:57:A:ASP:HB2	8	0.54
(2,1129)	1:57:A:ASP:HB3	1:57:A:ASP:HB2	9	0.54
(2,1129)	1:57:A:ASP:HB3	1:57:A:ASP:HB2	10	0.54
(2,1129)	1:57:A:ASP:HB3	1:57:A:ASP:HB2	11	0.54
(2,1129)	1:57:A:ASP:HB3	1:57:A:ASP:HB2	12	0.54
(2,1129)	1:57:A:ASP:HB3	1:57:A:ASP:HB2	13	0.54
(2,1129)	1:57:A:ASP:HB3	1:57:A:ASP:HB2	14	0.54
(2,1129)	1:57:A:ASP:HB3	1:57:A:ASP:HB2	15	0.54
(2,1129)	1:57:A:ASP:HB3	1:57:A:ASP:HB2	16	0.54
(2,1075)	1:54:A:LEU:HD21	1:45:A:ILE:HG13	12	0.54
(2,1075)	1:54:A:LEU:HD22	1:45:A:ILE:HG13	12	0.54
(2,1075)	1:54:A:LEU:HD23	1:45:A:ILE:HG13	12	0.54
(2,914)	1:43:A:GLU:HG2	1:43:A:GLU:H	13	0.54
(2,888)	1:41:A:THR:HB	1:41:A:THR:HA	9	0.54
(2,689)	1:62:A:LEU:HD11	1:65:A:ARG:H	12	0.54
(2,689)	1:62:A:LEU:HD12	1:65:A:ARG:H	12	0.54
(2,689)	1:62:A:LEU:HD13	1:65:A:ARG:H	12	0.54
(2,648)	1:28:A:LEU:HD21	1:71:A:ASN:HB3	12	0.54
(2,648)	1:28:A:LEU:HD22	1:71:A:ASN:HB3	12	0.54
(2,648)	1:28:A:LEU:HD23	1:71:A:ASN:HB3	12	0.54
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB1	3	0.54
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB2	3	0.54
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB3	3	0.54
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB1	11	0.54
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB2	11	0.54
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB3	11	0.54
(2,513)	1:23:A:GLN:HG3	1:23:A:GLN:H	3	0.54
(2,451)	1:20:A:GLN:HB2	1:20:A:GLN:H	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,451)	1:20:A:GLN:HB2	1:20:A:GLN:H	5	0.54
(2,451)	1:20:A:GLN:HB2	1:20:A:GLN:H	6	0.54
(2,417)	1:21:A:GLN:HB2	1:21:A:GLN:H	13	0.54
(2,417)	1:21:A:GLN:HB2	1:21:A:GLN:H	16	0.54
(2,394)	1:19:A:GLN:HG2	1:19:A:GLN:HA	11	0.54
(2,394)	1:19:A:GLN:HG2	1:19:A:GLN:HA	13	0.54
(2,365)	1:17:A:SER:HB3	1:17:A:SER:H	5	0.54
(2,313)	1:85:A:PRO:HD2	1:84:A:HIS:HA	1	0.54
(2,299)	1:13:A:LEU:HB2	1:14:A:ASN:H	3	0.54
(2,276)	1:12:A:ARG:HD3	1:9:A:LEU:HD11	2	0.54
(2,276)	1:12:A:ARG:HD3	1:9:A:LEU:HD12	2	0.54
(2,276)	1:12:A:ARG:HD3	1:9:A:LEU:HD13	2	0.54
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB1	1	0.54
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB2	1	0.54
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB3	1	0.54
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB1	3	0.54
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB2	3	0.54
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB3	3	0.54
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB1	4	0.54
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB2	4	0.54
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB3	4	0.54
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB1	7	0.54
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB2	7	0.54
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB3	7	0.54
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB1	15	0.54
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB2	15	0.54
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB3	15	0.54
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB1	16	0.54
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB2	16	0.54
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB3	16	0.54
(2,142)	1:33:A:THR:HG21	1:54:A:LEU:HG	8	0.54
(2,142)	1:33:A:THR:HG22	1:54:A:LEU:HG	8	0.54
(2,142)	1:33:A:THR:HG23	1:54:A:LEU:HG	8	0.54
(2,142)	1:33:A:THR:HG21	1:54:A:LEU:HG	13	0.54
(2,142)	1:33:A:THR:HG22	1:54:A:LEU:HG	13	0.54
(2,142)	1:33:A:THR:HG23	1:54:A:LEU:HG	13	0.54
(2,135)	1:7:A:THR:HG21	1:7:A:THR:H	2	0.54
(2,135)	1:7:A:THR:HG22	1:7:A:THR:H	2	0.54
(2,135)	1:7:A:THR:HG23	1:7:A:THR:H	2	0.54
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD11	5	0.54
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD12	5	0.54
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD13	5	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD11	5	0.54
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD12	5	0.54
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD13	5	0.54
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD11	5	0.54
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD12	5	0.54
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD13	5	0.54
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD11	14	0.54
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD12	14	0.54
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD13	14	0.54
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD11	14	0.54
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD12	14	0.54
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD13	14	0.54
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD11	14	0.54
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD12	14	0.54
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD13	14	0.54
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG21	6	0.54
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG22	6	0.54
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG23	6	0.54
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG21	6	0.54
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG22	6	0.54
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG23	6	0.54
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG21	16	0.54
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG22	16	0.54
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG23	16	0.54
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG21	16	0.54
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG22	16	0.54
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG23	16	0.54
(1,602)	1:57:A:ASP:H	1:57:A:ASP:HB3	6	0.54
(1,558)	1:23:A:GLN:H	1:23:A:GLN:HB3	3	0.54
(1,558)	1:23:A:GLN:H	1:23:A:GLN:HB3	4	0.54
(1,557)	1:23:A:GLN:H	1:23:A:GLN:HG3	3	0.54
(1,526)	1:20:A:GLN:H	1:20:A:GLN:HG3	1	0.54
(1,396)	1:7:A:THR:H	1:7:A:THR:HG21	8	0.54
(1,396)	1:7:A:THR:H	1:7:A:THR:HG22	8	0.54
(1,396)	1:7:A:THR:H	1:7:A:THR:HG23	8	0.54
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG21	9	0.54
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG22	9	0.54
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG23	9	0.54
(1,349)	1:17:A:SER:H	1:20:A:GLN:HB2	6	0.54
(1,349)	1:17:A:SER:H	1:20:A:GLN:HB2	10	0.54
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB1	2	0.54
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB2	2	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB3	2	0.54
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB1	4	0.54
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB2	4	0.54
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB3	4	0.54
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB1	5	0.54
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB2	5	0.54
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB3	5	0.54
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB1	9	0.54
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB2	9	0.54
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB3	9	0.54
(1,274)	1:81:A:ILE:H	1:80:A:LEU:H	1	0.54
(1,274)	1:81:A:ILE:H	1:80:A:LEU:H	7	0.54
(1,250)	1:99:A:THR:H	1:99:A:THR:HG21	11	0.54
(1,250)	1:99:A:THR:H	1:99:A:THR:HG22	11	0.54
(1,250)	1:99:A:THR:H	1:99:A:THR:HG23	11	0.54
(1,143)	1:49:A:THR:H	1:50:A:ALA:H	6	0.54
(1,143)	1:49:A:THR:H	1:50:A:ALA:H	16	0.54
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD21	2	0.54
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD22	2	0.54
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD23	2	0.54
(2,1920)	1:76:A:LEU:HB2	1:76:A:LEU:H	11	0.53
(2,1866)	1:65:A:ARG:HD3	1:65:A:ARG:HD2	15	0.53
(2,1854)	1:74:A:LEU:HG	1:74:A:LEU:HB2	11	0.53
(2,1768)	1:97:A:ARG:HG3	1:96:A:THR:HB	2	0.53
(2,1684)	1:90:A:LEU:HD21	1:91:A:THR:HA	13	0.53
(2,1684)	1:90:A:LEU:HD22	1:91:A:THR:HA	13	0.53
(2,1684)	1:90:A:LEU:HD23	1:91:A:THR:HA	13	0.53
(2,1675)	1:90:A:LEU:HB2	1:90:A:LEU:H	9	0.53
(2,1654)	1:89:A:ALA:HB1	1:86:A:THR:H	12	0.53
(2,1654)	1:89:A:ALA:HB2	1:86:A:THR:H	12	0.53
(2,1654)	1:89:A:ALA:HB3	1:86:A:THR:H	12	0.53
(2,1641)	1:88:A:HIS:HB3	1:47:A:PRO:HB3	5	0.53
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB1	13	0.53
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB2	13	0.53
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB3	13	0.53
(2,1525)	1:16:A:LEU:HB2	1:16:A:LEU:H	3	0.53
(2,1506)	1:72:A:THR:HG21	1:68:A:LEU:HB2	8	0.53
(2,1506)	1:72:A:THR:HG22	1:68:A:LEU:HB2	8	0.53
(2,1506)	1:72:A:THR:HG23	1:68:A:LEU:HB2	8	0.53
(2,1506)	1:72:A:THR:HG21	1:68:A:LEU:HB2	12	0.53
(2,1506)	1:72:A:THR:HG22	1:68:A:LEU:HB2	12	0.53
(2,1506)	1:72:A:THR:HG23	1:68:A:LEU:HB2	12	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1506)	1:72:A:THR:HG21	1:68:A:LEU:HB2	14	0.53
(2,1506)	1:72:A:THR:HG22	1:68:A:LEU:HB2	14	0.53
(2,1506)	1:72:A:THR:HG23	1:68:A:LEU:HB2	14	0.53
(2,1480)	1:78:A:PRO:HA	1:79:A:THR:H	4	0.53
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD21	1	0.53
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD22	1	0.53
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD23	1	0.53
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD21	7	0.53
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD22	7	0.53
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD23	7	0.53
(2,1374)	1:97:A:ARG:HD2	1:97:A:ARG:HB3	10	0.53
(2,1365)	1:93:A:HIS:HB3	1:94:A:LEU:H	4	0.53
(2,1365)	1:93:A:HIS:HB3	1:94:A:LEU:H	6	0.53
(2,1365)	1:93:A:HIS:HB3	1:94:A:LEU:H	8	0.53
(2,1332)	1:94:A:LEU:HG	1:94:A:LEU:H	8	0.53
(2,1332)	1:94:A:LEU:HG	1:94:A:LEU:H	10	0.53
(2,1239)	1:64:A:LEU:HB2	1:64:A:LEU:H	7	0.53
(2,1239)	1:64:A:LEU:HB2	1:64:A:LEU:H	10	0.53
(2,1239)	1:64:A:LEU:HB2	1:64:A:LEU:H	12	0.53
(2,1103)	1:81:A:ILE:HG21	1:51:A:PHE:HB3	11	0.53
(2,1103)	1:81:A:ILE:HG22	1:51:A:PHE:HB3	11	0.53
(2,1103)	1:81:A:ILE:HG23	1:51:A:PHE:HB3	11	0.53
(2,1103)	1:81:A:ILE:HG21	1:51:A:PHE:HB3	14	0.53
(2,1103)	1:81:A:ILE:HG22	1:51:A:PHE:HB3	14	0.53
(2,1103)	1:81:A:ILE:HG23	1:51:A:PHE:HB3	14	0.53
(2,1074)	1:54:A:LEU:HD21	1:54:A:LEU:HA	6	0.53
(2,1074)	1:54:A:LEU:HD22	1:54:A:LEU:HA	6	0.53
(2,1074)	1:54:A:LEU:HD23	1:54:A:LEU:HA	6	0.53
(2,1074)	1:54:A:LEU:HD21	1:54:A:LEU:HA	8	0.53
(2,1074)	1:54:A:LEU:HD22	1:54:A:LEU:HA	8	0.53
(2,1074)	1:54:A:LEU:HD23	1:54:A:LEU:HA	8	0.53
(2,1074)	1:54:A:LEU:HD21	1:54:A:LEU:HA	13	0.53
(2,1074)	1:54:A:LEU:HD22	1:54:A:LEU:HA	13	0.53
(2,1074)	1:54:A:LEU:HD23	1:54:A:LEU:HA	13	0.53
(2,1011)	1:75:A:ASP:HA	1:74:A:LEU:HG	2	0.53
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD11	8	0.53
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD12	8	0.53
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD13	8	0.53
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB1	3	0.53
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB2	3	0.53
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB3	3	0.53
(2,923)	1:101:A:SER:HB2	1:102:A:HIS:H	12	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,911)	1:43:A:GLU:HB2	1:43:A:GLU:H	5	0.53
(2,888)	1:41:A:THR:HB	1:41:A:THR:HA	8	0.53
(2,818)	1:36:A:VAL:HG11	1:63:A:GLU:HB2	3	0.53
(2,818)	1:36:A:VAL:HG12	1:63:A:GLU:HB2	3	0.53
(2,818)	1:36:A:VAL:HG13	1:63:A:GLU:HB2	3	0.53
(2,818)	1:36:A:VAL:HG11	1:63:A:GLU:HB2	11	0.53
(2,818)	1:36:A:VAL:HG12	1:63:A:GLU:HB2	11	0.53
(2,818)	1:36:A:VAL:HG13	1:63:A:GLU:HB2	11	0.53
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG21	15	0.53
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG22	15	0.53
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG23	15	0.53
(2,747)	1:33:A:THR:HA	1:36:A:VAL:H	3	0.53
(2,747)	1:33:A:THR:HA	1:36:A:VAL:H	16	0.53
(2,689)	1:62:A:LEU:HD11	1:65:A:ARG:H	3	0.53
(2,689)	1:62:A:LEU:HD12	1:65:A:ARG:H	3	0.53
(2,689)	1:62:A:LEU:HD13	1:65:A:ARG:H	3	0.53
(2,689)	1:62:A:LEU:HD11	1:65:A:ARG:H	11	0.53
(2,689)	1:62:A:LEU:HD12	1:65:A:ARG:H	11	0.53
(2,689)	1:62:A:LEU:HD13	1:65:A:ARG:H	11	0.53
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD1	1	0.53
(2,643)	1:54:A:LEU:HD21	1:51:A:PHE:HD2	1	0.53
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD1	1	0.53
(2,643)	1:54:A:LEU:HD22	1:51:A:PHE:HD2	1	0.53
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD1	1	0.53
(2,643)	1:54:A:LEU:HD23	1:51:A:PHE:HD2	1	0.53
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB1	5	0.53
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB2	5	0.53
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB3	5	0.53
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB1	6	0.53
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB2	6	0.53
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB3	6	0.53
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB1	16	0.53
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB2	16	0.53
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB3	16	0.53
(2,537)	1:24:A:THR:HG21	1:25:A:LEU:HB2	14	0.53
(2,537)	1:24:A:THR:HG22	1:25:A:LEU:HB2	14	0.53
(2,537)	1:24:A:THR:HG23	1:25:A:LEU:HB2	14	0.53
(2,513)	1:23:A:GLN:HG3	1:23:A:GLN:H	8	0.53
(2,451)	1:20:A:GLN:HB2	1:20:A:GLN:H	8	0.53
(2,451)	1:20:A:GLN:HB2	1:20:A:GLN:H	9	0.53
(2,451)	1:20:A:GLN:HB2	1:20:A:GLN:H	13	0.53
(2,449)	1:63:A:GLU:HB2	1:62:A:LEU:H	6	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD21	8	0.53
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD22	8	0.53
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD23	8	0.53
(2,427)	1:21:A:GLN:HB2	1:21:A:GLN:HG3	2	0.53
(2,427)	1:21:A:GLN:HB2	1:21:A:GLN:HG3	5	0.53
(2,427)	1:21:A:GLN:HB2	1:21:A:GLN:HG3	8	0.53
(2,423)	1:18:A:PRO:HA	1:21:A:GLN:HB2	4	0.53
(2,417)	1:21:A:GLN:HB2	1:21:A:GLN:H	4	0.53
(2,417)	1:21:A:GLN:HB2	1:21:A:GLN:H	12	0.53
(2,394)	1:19:A:GLN:HG2	1:19:A:GLN:HA	2	0.53
(2,394)	1:19:A:GLN:HG2	1:19:A:GLN:HA	12	0.53
(2,365)	1:17:A:SER:HB3	1:17:A:SER:H	4	0.53
(2,355)	1:16:A:LEU:HG	1:20:A:GLN:HG3	10	0.53
(2,299)	1:13:A:LEU:HB2	1:14:A:ASN:H	9	0.53
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB1	10	0.53
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB2	10	0.53
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB3	10	0.53
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB1	11	0.53
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB2	11	0.53
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB3	11	0.53
(2,153)	1:71:A:ASN:HA	1:70:A:HIS:HB2	10	0.53
(2,153)	1:71:A:ASN:HA	1:70:A:HIS:HB2	14	0.53
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD21	14	0.53
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD22	14	0.53
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD23	14	0.53
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD21	14	0.53
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD22	14	0.53
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD23	14	0.53
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD21	14	0.53
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD22	14	0.53
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD23	14	0.53
(2,142)	1:33:A:THR:HG21	1:54:A:LEU:HG	9	0.53
(2,142)	1:33:A:THR:HG22	1:54:A:LEU:HG	9	0.53
(2,142)	1:33:A:THR:HG23	1:54:A:LEU:HG	9	0.53
(2,117)	1:6:A:ALA:HA	1:4:A:SER:HA	3	0.53
(2,117)	1:6:A:ALA:HA	1:4:A:SER:HA	7	0.53
(2,73)	1:81:A:ILE:HD11	1:51:A:PHE:HA	12	0.53
(2,73)	1:81:A:ILE:HD12	1:51:A:PHE:HA	12	0.53
(2,73)	1:81:A:ILE:HD13	1:51:A:PHE:HA	12	0.53
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD11	8	0.53
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD12	8	0.53
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD13	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD11	8	0.53
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD12	8	0.53
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD13	8	0.53
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD11	8	0.53
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD12	8	0.53
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD13	8	0.53
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD11	10	0.53
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD12	10	0.53
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD13	10	0.53
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD11	10	0.53
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD12	10	0.53
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD13	10	0.53
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD11	10	0.53
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD12	10	0.53
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD13	10	0.53
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG21	7	0.53
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG22	7	0.53
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG23	7	0.53
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG21	7	0.53
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG22	7	0.53
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG23	7	0.53
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG21	16	0.53
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG22	16	0.53
(2,48)	1:51:A:PHE:HD1	1:81:A:ILE:HG23	16	0.53
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG21	16	0.53
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG22	16	0.53
(2,48)	1:51:A:PHE:HD2	1:81:A:ILE:HG23	16	0.53
(1,584)	1:96:A:THR:H	1:92:A:GLN:HB2	12	0.53
(1,561)	1:22:A:GLN:H	1:21:A:GLN:HB2	14	0.53
(1,557)	1:23:A:GLN:H	1:23:A:GLN:HG3	8	0.53
(1,527)	1:93:A:HIS:H	1:92:A:GLN:HB3	13	0.53
(1,526)	1:20:A:GLN:H	1:20:A:GLN:HG3	6	0.53
(1,501)	1:100:A:GLN:H	1:100:A:GLN:HG3	2	0.53
(1,396)	1:7:A:THR:H	1:7:A:THR:HG21	14	0.53
(1,396)	1:7:A:THR:H	1:7:A:THR:HG22	14	0.53
(1,396)	1:7:A:THR:H	1:7:A:THR:HG23	14	0.53
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB1	1	0.53
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB2	1	0.53
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB3	1	0.53
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB1	6	0.53
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB2	6	0.53
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB3	6	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB1	11	0.53
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB2	11	0.53
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB3	11	0.53
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB1	12	0.53
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB2	12	0.53
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB3	12	0.53
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB1	15	0.53
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB2	15	0.53
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB3	15	0.53
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB1	16	0.53
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB2	16	0.53
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB3	16	0.53
(1,282)	1:14:A:ASN:HD21	1:11:A:ALA:HA	12	0.53
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD21	3	0.53
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD22	3	0.53
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD23	3	0.53
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD21	14	0.53
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD22	14	0.53
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD23	14	0.53
(1,143)	1:49:A:THR:H	1:50:A:ALA:H	4	0.53
(1,45)	1:79:A:THR:H	1:79:A:THR:HA	9	0.53
(1,45)	1:79:A:THR:H	1:79:A:THR:HA	11	0.53
(1,17)	1:100:A:GLN:H	1:99:A:THR:H	5	0.53
(2,1920)	1:76:A:LEU:HB2	1:76:A:LEU:H	14	0.52
(2,1654)	1:89:A:ALA:HB1	1:86:A:THR:H	10	0.52
(2,1654)	1:89:A:ALA:HB2	1:86:A:THR:H	10	0.52
(2,1654)	1:89:A:ALA:HB3	1:86:A:THR:H	10	0.52
(2,1641)	1:88:A:HIS:HB3	1:47:A:PRO:HB3	1	0.52
(2,1641)	1:88:A:HIS:HB3	1:47:A:PRO:HB3	12	0.52
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB1	3	0.52
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB2	3	0.52
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB3	3	0.52
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB1	9	0.52
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB2	9	0.52
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB3	9	0.52
(2,1625)	1:87:A:PRO:HB2	1:88:A:HIS:H	7	0.52
(2,1531)	1:98:A:LEU:HB3	1:98:A:LEU:HD11	9	0.52
(2,1531)	1:98:A:LEU:HB3	1:98:A:LEU:HD12	9	0.52
(2,1531)	1:98:A:LEU:HB3	1:98:A:LEU:HD13	9	0.52
(2,1525)	1:16:A:LEU:HB2	1:16:A:LEU:H	11	0.52
(2,1521)	1:16:A:LEU:HB2	1:21:A:GLN:HG2	13	0.52
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB1	11	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB2	11	0.52
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB3	11	0.52
(2,1374)	1:97:A:ARG:HD2	1:97:A:ARG:HB3	8	0.52
(2,1365)	1:93:A:HIS:HB3	1:94:A:LEU:H	7	0.52
(2,1365)	1:93:A:HIS:HB3	1:94:A:LEU:H	11	0.52
(2,1327)	1:68:A:LEU:HG	1:68:A:LEU:H	12	0.52
(2,1304)	1:66:A:ASN:HB2	1:66:A:ASN:H	1	0.52
(2,1296)	1:66:A:ASN:HB2	1:63:A:GLU:HA	6	0.52
(2,1239)	1:64:A:LEU:HB2	1:64:A:LEU:H	1	0.52
(2,1239)	1:64:A:LEU:HB2	1:64:A:LEU:H	6	0.52
(2,1239)	1:64:A:LEU:HB2	1:64:A:LEU:H	16	0.52
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG11	12	0.52
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG12	12	0.52
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG13	12	0.52
(2,1197)	1:60:A:THR:HG21	1:63:A:GLU:HB2	5	0.52
(2,1197)	1:60:A:THR:HG22	1:63:A:GLU:HB2	5	0.52
(2,1197)	1:60:A:THR:HG23	1:63:A:GLU:HB2	5	0.52
(2,1103)	1:81:A:ILE:HG21	1:51:A:PHE:HB3	6	0.52
(2,1103)	1:81:A:ILE:HG22	1:51:A:PHE:HB3	6	0.52
(2,1103)	1:81:A:ILE:HG23	1:51:A:PHE:HB3	6	0.52
(2,1103)	1:81:A:ILE:HG21	1:51:A:PHE:HB3	8	0.52
(2,1103)	1:81:A:ILE:HG22	1:51:A:PHE:HB3	8	0.52
(2,1103)	1:81:A:ILE:HG23	1:51:A:PHE:HB3	8	0.52
(2,1103)	1:81:A:ILE:HG21	1:51:A:PHE:HB3	13	0.52
(2,1103)	1:81:A:ILE:HG22	1:51:A:PHE:HB3	13	0.52
(2,1103)	1:81:A:ILE:HG23	1:51:A:PHE:HB3	13	0.52
(2,1074)	1:54:A:LEU:HD21	1:54:A:LEU:HA	2	0.52
(2,1074)	1:54:A:LEU:HD22	1:54:A:LEU:HA	2	0.52
(2,1074)	1:54:A:LEU:HD23	1:54:A:LEU:HA	2	0.52
(2,1074)	1:54:A:LEU:HD21	1:54:A:LEU:HA	4	0.52
(2,1074)	1:54:A:LEU:HD22	1:54:A:LEU:HA	4	0.52
(2,1074)	1:54:A:LEU:HD23	1:54:A:LEU:HA	4	0.52
(2,1074)	1:54:A:LEU:HD21	1:54:A:LEU:HA	10	0.52
(2,1074)	1:54:A:LEU:HD22	1:54:A:LEU:HA	10	0.52
(2,1074)	1:54:A:LEU:HD23	1:54:A:LEU:HA	10	0.52
(2,1074)	1:54:A:LEU:HD21	1:54:A:LEU:HA	12	0.52
(2,1074)	1:54:A:LEU:HD22	1:54:A:LEU:HA	12	0.52
(2,1074)	1:54:A:LEU:HD23	1:54:A:LEU:HA	12	0.52
(2,1074)	1:54:A:LEU:HD21	1:54:A:LEU:HA	16	0.52
(2,1074)	1:54:A:LEU:HD22	1:54:A:LEU:HA	16	0.52
(2,1074)	1:54:A:LEU:HD23	1:54:A:LEU:HA	16	0.52
(2,911)	1:43:A:GLU:HB2	1:43:A:GLU:H	12	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,911)	1:43:A:GLU:HB2	1:43:A:GLU:H	16	0.52
(2,901)	1:41:A:THR:HG21	1:40:A:HIS:HD2	7	0.52
(2,901)	1:41:A:THR:HG22	1:40:A:HIS:HD2	7	0.52
(2,901)	1:41:A:THR:HG23	1:40:A:HIS:HD2	7	0.52
(2,888)	1:41:A:THR:HB	1:41:A:THR:HA	11	0.52
(2,818)	1:36:A:VAL:HG11	1:63:A:GLU:HB2	9	0.52
(2,818)	1:36:A:VAL:HG12	1:63:A:GLU:HB2	9	0.52
(2,818)	1:36:A:VAL:HG13	1:63:A:GLU:HB2	9	0.52
(2,622)	1:28:A:LEU:HB3	1:25:A:LEU:HA	3	0.52
(2,622)	1:28:A:LEU:HB3	1:25:A:LEU:HA	15	0.52
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD21	16	0.52
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD22	16	0.52
(2,608)	1:67:A:THR:HG21	1:28:A:LEU:HD23	16	0.52
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD21	16	0.52
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD22	16	0.52
(2,608)	1:67:A:THR:HG22	1:28:A:LEU:HD23	16	0.52
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD21	16	0.52
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD22	16	0.52
(2,608)	1:67:A:THR:HG23	1:28:A:LEU:HD23	16	0.52
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB1	1	0.52
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB2	1	0.52
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB3	1	0.52
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB1	4	0.52
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB2	4	0.52
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB3	4	0.52
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB1	9	0.52
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB2	9	0.52
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB3	9	0.52
(2,557)	1:28:A:LEU:HD21	1:32:A:ALA:H	13	0.52
(2,557)	1:28:A:LEU:HD22	1:32:A:ALA:H	13	0.52
(2,557)	1:28:A:LEU:HD23	1:32:A:ALA:H	13	0.52
(2,513)	1:23:A:GLN:HG3	1:23:A:GLN:H	13	0.52
(2,487)	1:22:A:GLN:HG3	1:95:A:HIS:HB2	11	0.52
(2,460)	1:16:A:LEU:HD21	1:20:A:GLN:HB3	8	0.52
(2,460)	1:16:A:LEU:HD22	1:20:A:GLN:HB3	8	0.52
(2,460)	1:16:A:LEU:HD23	1:20:A:GLN:HB3	8	0.52
(2,460)	1:16:A:LEU:HD21	1:20:A:GLN:HB3	13	0.52
(2,460)	1:16:A:LEU:HD22	1:20:A:GLN:HB3	13	0.52
(2,460)	1:16:A:LEU:HD23	1:20:A:GLN:HB3	13	0.52
(2,460)	1:16:A:LEU:HD21	1:20:A:GLN:HB3	15	0.52
(2,460)	1:16:A:LEU:HD22	1:20:A:GLN:HB3	15	0.52
(2,460)	1:16:A:LEU:HD23	1:20:A:GLN:HB3	15	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,451)	1:20:A:GLN:HB2	1:20:A:GLN:H	1	0.52
(2,449)	1:63:A:GLU:HB2	1:62:A:LEU:H	1	0.52
(2,427)	1:21:A:GLN:HB2	1:21:A:GLN:HG3	12	0.52
(2,427)	1:21:A:GLN:HB2	1:21:A:GLN:HG3	14	0.52
(2,427)	1:21:A:GLN:HB2	1:21:A:GLN:HG3	16	0.52
(2,423)	1:18:A:PRO:HA	1:21:A:GLN:HB2	1	0.52
(2,423)	1:18:A:PRO:HA	1:21:A:GLN:HB2	5	0.52
(2,417)	1:21:A:GLN:HB2	1:21:A:GLN:H	14	0.52
(2,299)	1:13:A:LEU:HB2	1:14:A:ASN:H	14	0.52
(2,240)	1:10:A:ALA:HB1	1:98:A:LEU:HD21	8	0.52
(2,240)	1:10:A:ALA:HB1	1:98:A:LEU:HD22	8	0.52
(2,240)	1:10:A:ALA:HB1	1:98:A:LEU:HD23	8	0.52
(2,240)	1:10:A:ALA:HB2	1:98:A:LEU:HD21	8	0.52
(2,240)	1:10:A:ALA:HB2	1:98:A:LEU:HD22	8	0.52
(2,240)	1:10:A:ALA:HB2	1:98:A:LEU:HD23	8	0.52
(2,240)	1:10:A:ALA:HB3	1:98:A:LEU:HD21	8	0.52
(2,240)	1:10:A:ALA:HB3	1:98:A:LEU:HD22	8	0.52
(2,240)	1:10:A:ALA:HB3	1:98:A:LEU:HD23	8	0.52
(2,179)	1:8:A:ASP:HB2	1:8:A:ASP:H	5	0.52
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB1	6	0.52
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB2	6	0.52
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB3	6	0.52
(2,153)	1:71:A:ASN:HA	1:70:A:HIS:HB2	2	0.52
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD21	4	0.52
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD22	4	0.52
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD23	4	0.52
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD21	4	0.52
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD22	4	0.52
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD23	4	0.52
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD21	4	0.52
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD22	4	0.52
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD23	4	0.52
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD21	16	0.52
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD22	16	0.52
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD23	16	0.52
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD21	16	0.52
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD22	16	0.52
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD23	16	0.52
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD21	16	0.52
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD22	16	0.52
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD23	16	0.52
(2,73)	1:81:A:ILE:HD11	1:51:A:PHE:HA	5	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,73)	1:81:A:ILE:HD12	1:51:A:PHE:HA	5	0.52
(2,73)	1:81:A:ILE:HD13	1:51:A:PHE:HA	5	0.52
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD11	1	0.52
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD12	1	0.52
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD13	1	0.52
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD11	1	0.52
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD12	1	0.52
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD13	1	0.52
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD11	1	0.52
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD12	1	0.52
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD13	1	0.52
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD11	6	0.52
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD12	6	0.52
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD13	6	0.52
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD11	6	0.52
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD12	6	0.52
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD13	6	0.52
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD11	6	0.52
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD12	6	0.52
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD13	6	0.52
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD11	9	0.52
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD12	9	0.52
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD13	9	0.52
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD11	9	0.52
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD12	9	0.52
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD13	9	0.52
(1,584)	1:96:A:THR:H	1:92:A:GLN:HB2	16	0.52
(1,557)	1:23:A:GLN:H	1:23:A:GLN:HG3	13	0.52
(1,396)	1:7:A:THR:H	1:7:A:THR:HG21	7	0.52
(1,396)	1:7:A:THR:H	1:7:A:THR:HG22	7	0.52
(1,396)	1:7:A:THR:H	1:7:A:THR:HG23	7	0.52
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB1	3	0.52
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB2	3	0.52
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB3	3	0.52
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB1	8	0.52
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB2	8	0.52
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB3	8	0.52
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB1	10	0.52
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB2	10	0.52
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB3	10	0.52
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB1	13	0.52
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB2	13	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB3	13	0.52
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB1	14	0.52
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB2	14	0.52
(1,337)	1:29:A:VAL:H	1:30:A:ALA:HB3	14	0.52
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD21	5	0.52
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD22	5	0.52
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD23	5	0.52
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD21	8	0.52
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD22	8	0.52
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD23	8	0.52
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD21	14	0.52
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD22	14	0.52
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD23	14	0.52
(1,304)	1:74:A:LEU:H	1:74:A:LEU:HB2	6	0.52
(1,304)	1:74:A:LEU:H	1:74:A:LEU:HB2	9	0.52
(1,282)	1:14:A:ASN:HD21	1:11:A:ALA:HA	9	0.52
(1,262)	1:55:A:GLY:H	1:56:A:ILE:H	9	0.52
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD21	1	0.52
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD22	1	0.52
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD23	1	0.52
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD21	2	0.52
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD22	2	0.52
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD23	2	0.52
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD21	10	0.52
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD22	10	0.52
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD23	10	0.52
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD21	12	0.52
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD22	12	0.52
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD23	12	0.52
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD21	15	0.52
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD22	15	0.52
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD23	15	0.52
(1,239)	1:45:A:ILE:H	1:45:A:ILE:HG13	4	0.52
(1,143)	1:49:A:THR:H	1:50:A:ALA:H	11	0.52
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD21	6	0.52
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD22	6	0.52
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD23	6	0.52
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG21	6	0.52
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG22	6	0.52
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG23	6	0.52
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG21	16	0.52
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG22	16	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG23	16	0.52
(2,1879)	1:90:A:LEU:HD11	1:90:A:LEU:H	1	0.51
(2,1879)	1:90:A:LEU:HD12	1:90:A:LEU:H	1	0.51
(2,1879)	1:90:A:LEU:HD13	1:90:A:LEU:H	1	0.51
(2,1863)	1:65:A:ARG:HD3	1:65:A:ARG:HE	6	0.51
(2,1858)	1:25:A:LEU:HG	1:21:A:GLN:HA	2	0.51
(2,1858)	1:25:A:LEU:HG	1:21:A:GLN:HA	3	0.51
(2,1858)	1:25:A:LEU:HG	1:21:A:GLN:HA	16	0.51
(2,1793)	1:100:A:GLN:HG3	1:99:A:THR:HG21	6	0.51
(2,1793)	1:100:A:GLN:HG3	1:99:A:THR:HG22	6	0.51
(2,1793)	1:100:A:GLN:HG3	1:99:A:THR:HG23	6	0.51
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG21	15	0.51
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG22	15	0.51
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG23	15	0.51
(2,1680)	1:90:A:LEU:HD21	1:51:A:PHE:HZ	4	0.51
(2,1680)	1:90:A:LEU:HD22	1:51:A:PHE:HZ	4	0.51
(2,1680)	1:90:A:LEU:HD23	1:51:A:PHE:HZ	4	0.51
(2,1641)	1:88:A:HIS:HB3	1:47:A:PRO:HB3	11	0.51
(2,1641)	1:88:A:HIS:HB3	1:47:A:PRO:HB3	14	0.51
(2,1625)	1:87:A:PRO:HB2	1:88:A:HIS:H	9	0.51
(2,1625)	1:87:A:PRO:HB2	1:88:A:HIS:H	12	0.51
(2,1625)	1:87:A:PRO:HB2	1:88:A:HIS:H	14	0.51
(2,1529)	1:16:A:LEU:HB3	1:21:A:GLN:H	3	0.51
(2,1506)	1:72:A:THR:HG21	1:68:A:LEU:HB2	4	0.51
(2,1506)	1:72:A:THR:HG22	1:68:A:LEU:HB2	4	0.51
(2,1506)	1:72:A:THR:HG23	1:68:A:LEU:HB2	4	0.51
(2,1493)	1:79:A:THR:HB	1:82:A:PHE:HB2	7	0.51
(2,1429)	1:102:A:HIS:HD2	1:101:A:SER:HB2	8	0.51
(2,1423)	1:93:A:HIS:HD2	1:93:A:HIS:HB3	3	0.51
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD21	5	0.51
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD22	5	0.51
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD23	5	0.51
(2,1332)	1:94:A:LEU:HG	1:94:A:LEU:H	11	0.51
(2,1304)	1:66:A:ASN:HB2	1:66:A:ASN:H	3	0.51
(2,1296)	1:66:A:ASN:HB2	1:63:A:GLU:HA	1	0.51
(2,1296)	1:66:A:ASN:HB2	1:63:A:GLU:HA	5	0.51
(2,1296)	1:66:A:ASN:HB2	1:63:A:GLU:HA	14	0.51
(2,1239)	1:64:A:LEU:HB2	1:64:A:LEU:H	2	0.51
(2,1239)	1:64:A:LEU:HB2	1:64:A:LEU:H	4	0.51
(2,1239)	1:64:A:LEU:HB2	1:64:A:LEU:H	5	0.51
(2,1239)	1:64:A:LEU:HB2	1:64:A:LEU:H	8	0.51
(2,1197)	1:60:A:THR:HG21	1:63:A:GLU:HB2	15	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1197)	1:60:A:THR:HG22	1:63:A:GLU:HB2	15	0.51
(2,1197)	1:60:A:THR:HG23	1:63:A:GLU:HB2	15	0.51
(2,1103)	1:81:A:ILE:HG21	1:51:A:PHE:HB3	2	0.51
(2,1103)	1:81:A:ILE:HG22	1:51:A:PHE:HB3	2	0.51
(2,1103)	1:81:A:ILE:HG23	1:51:A:PHE:HB3	2	0.51
(2,1103)	1:81:A:ILE:HG21	1:51:A:PHE:HB3	7	0.51
(2,1103)	1:81:A:ILE:HG22	1:51:A:PHE:HB3	7	0.51
(2,1103)	1:81:A:ILE:HG23	1:51:A:PHE:HB3	7	0.51
(2,1103)	1:81:A:ILE:HG21	1:51:A:PHE:HB3	10	0.51
(2,1103)	1:81:A:ILE:HG22	1:51:A:PHE:HB3	10	0.51
(2,1103)	1:81:A:ILE:HG23	1:51:A:PHE:HB3	10	0.51
(2,1103)	1:81:A:ILE:HG21	1:51:A:PHE:HB3	12	0.51
(2,1103)	1:81:A:ILE:HG22	1:51:A:PHE:HB3	12	0.51
(2,1103)	1:81:A:ILE:HG23	1:51:A:PHE:HB3	12	0.51
(2,1103)	1:81:A:ILE:HG21	1:51:A:PHE:HB3	15	0.51
(2,1103)	1:81:A:ILE:HG22	1:51:A:PHE:HB3	15	0.51
(2,1103)	1:81:A:ILE:HG23	1:51:A:PHE:HB3	15	0.51
(2,1075)	1:54:A:LEU:HD21	1:45:A:ILE:HG13	14	0.51
(2,1075)	1:54:A:LEU:HD22	1:45:A:ILE:HG13	14	0.51
(2,1075)	1:54:A:LEU:HD23	1:45:A:ILE:HG13	14	0.51
(2,1074)	1:54:A:LEU:HD21	1:54:A:LEU:HA	5	0.51
(2,1074)	1:54:A:LEU:HD22	1:54:A:LEU:HA	5	0.51
(2,1074)	1:54:A:LEU:HD23	1:54:A:LEU:HA	5	0.51
(2,1074)	1:54:A:LEU:HD21	1:54:A:LEU:HA	14	0.51
(2,1074)	1:54:A:LEU:HD22	1:54:A:LEU:HA	14	0.51
(2,1074)	1:54:A:LEU:HD23	1:54:A:LEU:HA	14	0.51
(2,1011)	1:75:A:ASP:HA	1:74:A:LEU:HG	6	0.51
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD11	10	0.51
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD12	10	0.51
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD13	10	0.51
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD1	16	0.51
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD2	16	0.51
(2,952)	1:47:A:PRO:HB3	1:48:A:ALA:HA	8	0.51
(2,838)	1:37:A:LEU:HG	1:37:A:LEU:HB2	3	0.51
(2,818)	1:36:A:VAL:HG11	1:63:A:GLU:HB2	1	0.51
(2,818)	1:36:A:VAL:HG12	1:63:A:GLU:HB2	1	0.51
(2,818)	1:36:A:VAL:HG13	1:63:A:GLU:HB2	1	0.51
(2,818)	1:36:A:VAL:HG11	1:63:A:GLU:HB2	7	0.51
(2,818)	1:36:A:VAL:HG12	1:63:A:GLU:HB2	7	0.51
(2,818)	1:36:A:VAL:HG13	1:63:A:GLU:HB2	7	0.51
(2,818)	1:36:A:VAL:HG11	1:63:A:GLU:HB2	15	0.51
(2,818)	1:36:A:VAL:HG12	1:63:A:GLU:HB2	15	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,818)	1:36:A:VAL:HG13	1:63:A:GLU:HB2	15	0.51
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG21	13	0.51
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG22	13	0.51
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG23	13	0.51
(2,747)	1:33:A:THR:HA	1:36:A:VAL:H	8	0.51
(2,715)	1:30:A:ALA:HB1	1:45:A:ILE:HB	3	0.51
(2,715)	1:30:A:ALA:HB2	1:45:A:ILE:HB	3	0.51
(2,715)	1:30:A:ALA:HB3	1:45:A:ILE:HB	3	0.51
(2,622)	1:28:A:LEU:HB3	1:25:A:LEU:HA	16	0.51
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB1	7	0.51
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB2	7	0.51
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB3	7	0.51
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB1	8	0.51
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB2	8	0.51
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB3	8	0.51
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB1	13	0.51
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB2	13	0.51
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB3	13	0.51
(2,557)	1:28:A:LEU:HD21	1:32:A:ALA:H	11	0.51
(2,557)	1:28:A:LEU:HD22	1:32:A:ALA:H	11	0.51
(2,557)	1:28:A:LEU:HD23	1:32:A:ALA:H	11	0.51
(2,513)	1:23:A:GLN:HG3	1:23:A:GLN:H	2	0.51
(2,460)	1:16:A:LEU:HD21	1:20:A:GLN:HB3	6	0.51
(2,460)	1:16:A:LEU:HD22	1:20:A:GLN:HB3	6	0.51
(2,460)	1:16:A:LEU:HD23	1:20:A:GLN:HB3	6	0.51
(2,451)	1:20:A:GLN:HB2	1:20:A:GLN:H	10	0.51
(2,451)	1:20:A:GLN:HB2	1:20:A:GLN:H	12	0.51
(2,434)	1:21:A:GLN:HB3	1:21:A:GLN:HA	14	0.51
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD21	3	0.51
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD22	3	0.51
(2,429)	1:21:A:GLN:HA	1:13:A:LEU:HD23	3	0.51
(2,427)	1:21:A:GLN:HB2	1:21:A:GLN:HG3	15	0.51
(2,423)	1:18:A:PRO:HA	1:21:A:GLN:HB2	2	0.51
(2,423)	1:18:A:PRO:HA	1:21:A:GLN:HB2	7	0.51
(2,423)	1:18:A:PRO:HA	1:21:A:GLN:HB2	12	0.51
(2,417)	1:21:A:GLN:HB2	1:21:A:GLN:H	15	0.51
(2,414)	1:9:A:LEU:HA	1:8:A:ASP:HB2	11	0.51
(2,394)	1:19:A:GLN:HG2	1:19:A:GLN:HA	6	0.51
(2,394)	1:19:A:GLN:HG2	1:19:A:GLN:HA	8	0.51
(2,370)	1:17:A:SER:HB2	1:20:A:GLN:HG3	3	0.51
(2,299)	1:13:A:LEU:HB2	1:14:A:ASN:H	11	0.51
(2,273)	1:12:A:ARG:HB3	1:12:A:ARG:HD3	2	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,179)	1:8:A:ASP:HB2	1:8:A:ASP:H	9	0.51
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB1	2	0.51
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB2	2	0.51
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB3	2	0.51
(2,90)	1:4:A:SER:HA	1:5:A:ALA:H	3	0.51
(2,73)	1:81:A:ILE:HD11	1:51:A:PHE:HA	2	0.51
(2,73)	1:81:A:ILE:HD12	1:51:A:PHE:HA	2	0.51
(2,73)	1:81:A:ILE:HD13	1:51:A:PHE:HA	2	0.51
(2,65)	1:81:A:ILE:HD11	1:56:A:ILE:HG12	1	0.51
(2,65)	1:81:A:ILE:HD12	1:56:A:ILE:HG12	1	0.51
(2,65)	1:81:A:ILE:HD13	1:56:A:ILE:HG12	1	0.51
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD11	4	0.51
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD12	4	0.51
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD13	4	0.51
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD11	4	0.51
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD12	4	0.51
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD13	4	0.51
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD11	4	0.51
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD12	4	0.51
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD13	4	0.51
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG21	13	0.51
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG22	13	0.51
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG23	13	0.51
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG21	13	0.51
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG22	13	0.51
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG23	13	0.51
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD1	1	0.51
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD2	1	0.51
(1,584)	1:96:A:THR:H	1:92:A:GLN:HB2	5	0.51
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD21	7	0.51
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD22	7	0.51
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD23	7	0.51
(1,557)	1:23:A:GLN:H	1:23:A:GLN:HG3	2	0.51
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD21	5	0.51
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD22	5	0.51
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD23	5	0.51
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG21	3	0.51
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG22	3	0.51
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG23	3	0.51
(1,349)	1:17:A:SER:H	1:20:A:GLN:HB2	13	0.51
(1,318)	1:9:A:LEU:H	1:9:A:LEU:HG	5	0.51
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD21	7	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD22	7	0.51
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD23	7	0.51
(1,304)	1:74:A:LEU:H	1:74:A:LEU:HB2	2	0.51
(1,282)	1:14:A:ASN:HD21	1:11:A:ALA:HA	3	0.51
(1,270)	1:81:A:ILE:H	1:81:A:ILE:HG12	14	0.51
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD21	6	0.51
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD22	6	0.51
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD23	6	0.51
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD21	8	0.51
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD22	8	0.51
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD23	8	0.51
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD21	13	0.51
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD22	13	0.51
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD23	13	0.51
(1,191)	1:62:A:LEU:H	1:65:A:ARG:HB2	15	0.51
(1,143)	1:49:A:THR:H	1:50:A:ALA:H	7	0.51
(1,45)	1:79:A:THR:H	1:79:A:THR:HA	2	0.51
(1,45)	1:79:A:THR:H	1:79:A:THR:HA	4	0.51
(1,45)	1:79:A:THR:H	1:79:A:THR:HA	8	0.51
(2,1893)	1:90:A:LEU:HD21	1:81:A:ILE:HG12	7	0.5
(2,1893)	1:90:A:LEU:HD22	1:81:A:ILE:HG12	7	0.5
(2,1893)	1:90:A:LEU:HD23	1:81:A:ILE:HG12	7	0.5
(2,1869)	1:65:A:ARG:HD2	1:65:A:ARG:HE	9	0.5
(2,1863)	1:65:A:ARG:HD3	1:65:A:ARG:HE	2	0.5
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG21	1	0.5
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG22	1	0.5
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG23	1	0.5
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG21	10	0.5
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG22	10	0.5
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG23	10	0.5
(2,1680)	1:90:A:LEU:HD21	1:51:A:PHE:HZ	6	0.5
(2,1680)	1:90:A:LEU:HD22	1:51:A:PHE:HZ	6	0.5
(2,1680)	1:90:A:LEU:HD23	1:51:A:PHE:HZ	6	0.5
(2,1680)	1:90:A:LEU:HD21	1:51:A:PHE:HZ	14	0.5
(2,1680)	1:90:A:LEU:HD22	1:51:A:PHE:HZ	14	0.5
(2,1680)	1:90:A:LEU:HD23	1:51:A:PHE:HZ	14	0.5
(2,1675)	1:90:A:LEU:HB2	1:90:A:LEU:H	8	0.5
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB1	8	0.5
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB2	8	0.5
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB3	8	0.5
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD21	1	0.5
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD22	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD23	1	0.5
(2,1620)	1:87:A:PRO:HA	1:90:A:LEU:HB3	9	0.5
(2,1539)	1:98:A:LEU:HB2	1:99:A:THR:H	10	0.5
(2,1538)	1:98:A:LEU:HB3	1:99:A:THR:H	14	0.5
(2,1525)	1:16:A:LEU:HB2	1:16:A:LEU:H	12	0.5
(2,1521)	1:16:A:LEU:HB2	1:21:A:GLN:HG2	16	0.5
(2,1493)	1:79:A:THR:HB	1:82:A:PHE:HB2	10	0.5
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG21	8	0.5
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG22	8	0.5
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG23	8	0.5
(2,1480)	1:78:A:PRO:HA	1:79:A:THR:H	9	0.5
(2,1446)	1:95:A:HIS:HB3	1:96:A:THR:H	14	0.5
(2,1423)	1:93:A:HIS:HD2	1:93:A:HIS:HB3	2	0.5
(2,1423)	1:93:A:HIS:HD2	1:93:A:HIS:HB3	5	0.5
(2,1423)	1:93:A:HIS:HD2	1:93:A:HIS:HB3	13	0.5
(2,1423)	1:93:A:HIS:HD2	1:93:A:HIS:HB3	16	0.5
(2,1398)	1:45:A:ILE:HD11	1:39:A:HIS:HB2	6	0.5
(2,1398)	1:45:A:ILE:HD12	1:39:A:HIS:HB2	6	0.5
(2,1398)	1:45:A:ILE:HD13	1:39:A:HIS:HB2	6	0.5
(2,1392)	1:81:A:ILE:HG12	1:81:A:ILE:H	9	0.5
(2,1332)	1:94:A:LEU:HG	1:94:A:LEU:H	16	0.5
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD11	10	0.5
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD12	10	0.5
(2,1324)	1:68:A:LEU:HG	1:81:A:ILE:HD13	10	0.5
(2,1239)	1:64:A:LEU:HB2	1:64:A:LEU:H	3	0.5
(2,1239)	1:64:A:LEU:HB2	1:64:A:LEU:H	9	0.5
(2,1239)	1:64:A:LEU:HB2	1:64:A:LEU:H	13	0.5
(2,1239)	1:64:A:LEU:HB2	1:64:A:LEU:H	14	0.5
(2,1239)	1:64:A:LEU:HB2	1:64:A:LEU:H	15	0.5
(2,1212)	1:63:A:GLU:HA	1:66:A:ASN:HD21	11	0.5
(2,1197)	1:60:A:THR:HG21	1:63:A:GLU:HB2	2	0.5
(2,1197)	1:60:A:THR:HG22	1:63:A:GLU:HB2	2	0.5
(2,1197)	1:60:A:THR:HG23	1:63:A:GLU:HB2	2	0.5
(2,1197)	1:60:A:THR:HG21	1:63:A:GLU:HB2	13	0.5
(2,1197)	1:60:A:THR:HG22	1:63:A:GLU:HB2	13	0.5
(2,1197)	1:60:A:THR:HG23	1:63:A:GLU:HB2	13	0.5
(2,1192)	1:62:A:LEU:HB2	1:65:A:ARG:HB2	8	0.5
(2,1173)	1:61:A:ALA:HB1	1:58:A:SER:HA	1	0.5
(2,1173)	1:61:A:ALA:HB2	1:58:A:SER:HA	1	0.5
(2,1173)	1:61:A:ALA:HB3	1:58:A:SER:HA	1	0.5
(2,1074)	1:54:A:LEU:HD21	1:54:A:LEU:HA	3	0.5
(2,1074)	1:54:A:LEU:HD22	1:54:A:LEU:HA	3	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1074)	1:54:A:LEU:HD23	1:54:A:LEU:HA	3	0.5
(2,1074)	1:54:A:LEU:HD21	1:54:A:LEU:HA	11	0.5
(2,1074)	1:54:A:LEU:HD22	1:54:A:LEU:HA	11	0.5
(2,1074)	1:54:A:LEU:HD23	1:54:A:LEU:HA	11	0.5
(2,1011)	1:75:A:ASP:HA	1:74:A:LEU:HG	4	0.5
(2,952)	1:47:A:PRO:HB3	1:48:A:ALA:HA	15	0.5
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG21	3	0.5
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG22	3	0.5
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG23	3	0.5
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG21	9	0.5
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG22	9	0.5
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG23	9	0.5
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG21	11	0.5
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG22	11	0.5
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG23	11	0.5
(2,911)	1:43:A:GLU:HB2	1:43:A:GLU:H	1	0.5
(2,911)	1:43:A:GLU:HB2	1:43:A:GLU:H	6	0.5
(2,901)	1:41:A:THR:HG21	1:40:A:HIS:HD2	11	0.5
(2,901)	1:41:A:THR:HG22	1:40:A:HIS:HD2	11	0.5
(2,901)	1:41:A:THR:HG23	1:40:A:HIS:HD2	11	0.5
(2,888)	1:41:A:THR:HB	1:41:A:THR:HA	14	0.5
(2,838)	1:37:A:LEU:HG	1:37:A:LEU:HB2	2	0.5
(2,838)	1:37:A:LEU:HG	1:37:A:LEU:HB2	4	0.5
(2,838)	1:37:A:LEU:HG	1:37:A:LEU:HB2	5	0.5
(2,838)	1:37:A:LEU:HG	1:37:A:LEU:HB2	6	0.5
(2,838)	1:37:A:LEU:HG	1:37:A:LEU:HB2	8	0.5
(2,838)	1:37:A:LEU:HG	1:37:A:LEU:HB2	9	0.5
(2,838)	1:37:A:LEU:HG	1:37:A:LEU:HB2	14	0.5
(2,838)	1:37:A:LEU:HG	1:37:A:LEU:HB2	15	0.5
(2,838)	1:37:A:LEU:HG	1:37:A:LEU:HB2	16	0.5
(2,818)	1:36:A:VAL:HG11	1:63:A:GLU:HB2	4	0.5
(2,818)	1:36:A:VAL:HG12	1:63:A:GLU:HB2	4	0.5
(2,818)	1:36:A:VAL:HG13	1:63:A:GLU:HB2	4	0.5
(2,818)	1:36:A:VAL:HG11	1:63:A:GLU:HB2	5	0.5
(2,818)	1:36:A:VAL:HG12	1:63:A:GLU:HB2	5	0.5
(2,818)	1:36:A:VAL:HG13	1:63:A:GLU:HB2	5	0.5
(2,818)	1:36:A:VAL:HG11	1:63:A:GLU:HB2	16	0.5
(2,818)	1:36:A:VAL:HG12	1:63:A:GLU:HB2	16	0.5
(2,818)	1:36:A:VAL:HG13	1:63:A:GLU:HB2	16	0.5
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG21	5	0.5
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG22	5	0.5
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG23	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,622)	1:28:A:LEU:HB3	1:25:A:LEU:HA	2	0.5
(2,622)	1:28:A:LEU:HB3	1:25:A:LEU:HA	4	0.5
(2,622)	1:28:A:LEU:HB3	1:25:A:LEU:HA	13	0.5
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB1	2	0.5
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB2	2	0.5
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB3	2	0.5
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB1	10	0.5
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB2	10	0.5
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB3	10	0.5
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB1	14	0.5
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB2	14	0.5
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB3	14	0.5
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB1	15	0.5
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB2	15	0.5
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB3	15	0.5
(2,513)	1:23:A:GLN:HG3	1:23:A:GLN:H	12	0.5
(2,460)	1:16:A:LEU:HD21	1:20:A:GLN:HB3	5	0.5
(2,460)	1:16:A:LEU:HD22	1:20:A:GLN:HB3	5	0.5
(2,460)	1:16:A:LEU:HD23	1:20:A:GLN:HB3	5	0.5
(2,460)	1:16:A:LEU:HD21	1:20:A:GLN:HB3	14	0.5
(2,460)	1:16:A:LEU:HD22	1:20:A:GLN:HB3	14	0.5
(2,460)	1:16:A:LEU:HD23	1:20:A:GLN:HB3	14	0.5
(2,458)	1:20:A:GLN:HB3	1:16:A:LEU:HB3	7	0.5
(2,449)	1:63:A:GLU:HB2	1:62:A:LEU:H	10	0.5
(2,449)	1:63:A:GLU:HB2	1:62:A:LEU:H	12	0.5
(2,434)	1:21:A:GLN:HB3	1:21:A:GLN:HA	2	0.5
(2,434)	1:21:A:GLN:HB3	1:21:A:GLN:HA	12	0.5
(2,427)	1:21:A:GLN:HB2	1:21:A:GLN:HG3	13	0.5
(2,423)	1:18:A:PRO:HA	1:21:A:GLN:HB2	10	0.5
(2,423)	1:18:A:PRO:HA	1:21:A:GLN:HB2	15	0.5
(2,394)	1:19:A:GLN:HG2	1:19:A:GLN:HA	3	0.5
(2,299)	1:13:A:LEU:HB2	1:14:A:ASN:H	5	0.5
(2,236)	1:31:A:ALA:HB1	1:42:A:PRO:HB2	14	0.5
(2,236)	1:31:A:ALA:HB2	1:42:A:PRO:HB2	14	0.5
(2,236)	1:31:A:ALA:HB3	1:42:A:PRO:HB2	14	0.5
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD21	12	0.5
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD22	12	0.5
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD23	12	0.5
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD21	12	0.5
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD22	12	0.5
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD23	12	0.5
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD21	12	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD22	12	0.5
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD23	12	0.5
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD21	13	0.5
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD22	13	0.5
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD23	13	0.5
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD21	13	0.5
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD22	13	0.5
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD23	13	0.5
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD21	13	0.5
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD22	13	0.5
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD23	13	0.5
(2,135)	1:7:A:THR:HG21	1:7:A:THR:H	13	0.5
(2,135)	1:7:A:THR:HG22	1:7:A:THR:H	13	0.5
(2,135)	1:7:A:THR:HG23	1:7:A:THR:H	13	0.5
(2,73)	1:81:A:ILE:HD11	1:51:A:PHE:HA	3	0.5
(2,73)	1:81:A:ILE:HD12	1:51:A:PHE:HA	3	0.5
(2,73)	1:81:A:ILE:HD13	1:51:A:PHE:HA	3	0.5
(2,73)	1:81:A:ILE:HD11	1:51:A:PHE:HA	11	0.5
(2,73)	1:81:A:ILE:HD12	1:51:A:PHE:HA	11	0.5
(2,73)	1:81:A:ILE:HD13	1:51:A:PHE:HA	11	0.5
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG21	3	0.5
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG22	3	0.5
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG23	3	0.5
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG21	3	0.5
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG22	3	0.5
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG23	3	0.5
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG21	5	0.5
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG22	5	0.5
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG23	5	0.5
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG21	5	0.5
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG22	5	0.5
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG23	5	0.5
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG21	8	0.5
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG22	8	0.5
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG23	8	0.5
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG21	8	0.5
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG22	8	0.5
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG23	8	0.5
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG21	10	0.5
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG22	10	0.5
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG23	10	0.5
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG21	10	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG22	10	0.5
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG23	10	0.5
(1,557)	1:23:A:GLN:H	1:23:A:GLN:HG3	12	0.5
(1,527)	1:93:A:HIS:H	1:92:A:GLN:HB3	2	0.5
(1,396)	1:7:A:THR:H	1:7:A:THR:HG21	10	0.5
(1,396)	1:7:A:THR:H	1:7:A:THR:HG22	10	0.5
(1,396)	1:7:A:THR:H	1:7:A:THR:HG23	10	0.5
(1,396)	1:7:A:THR:H	1:7:A:THR:HG21	12	0.5
(1,396)	1:7:A:THR:H	1:7:A:THR:HG22	12	0.5
(1,396)	1:7:A:THR:H	1:7:A:THR:HG23	12	0.5
(1,318)	1:9:A:LEU:H	1:9:A:LEU:HG	6	0.5
(1,318)	1:9:A:LEU:H	1:9:A:LEU:HG	7	0.5
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD21	6	0.5
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD22	6	0.5
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD23	6	0.5
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD21	9	0.5
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD22	9	0.5
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD23	9	0.5
(1,304)	1:74:A:LEU:H	1:74:A:LEU:HB2	12	0.5
(1,262)	1:55:A:GLY:H	1:56:A:ILE:H	11	0.5
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD21	4	0.5
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD22	4	0.5
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD23	4	0.5
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD21	5	0.5
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD22	5	0.5
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD23	5	0.5
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD21	9	0.5
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD22	9	0.5
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD23	9	0.5
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD21	11	0.5
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD22	11	0.5
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD23	11	0.5
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD21	16	0.5
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD22	16	0.5
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD23	16	0.5
(1,158)	1:5:A:ALA:H	1:4:A:SER:HA	11	0.5
(1,143)	1:49:A:THR:H	1:50:A:ALA:H	3	0.5
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD21	9	0.5
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD22	9	0.5
(1,129)	1:69:A:THR:H	1:94:A:LEU:HD23	9	0.5
(1,128)	1:69:A:THR:H	1:69:A:THR:HG21	16	0.5
(1,128)	1:69:A:THR:H	1:69:A:THR:HG22	16	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,128)	1:69:A:THR:H	1:69:A:THR:HG23	16	0.5
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG21	8	0.5
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG22	8	0.5
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG23	8	0.5
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG21	9	0.5
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG22	9	0.5
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG23	9	0.5
(1,45)	1:79:A:THR:H	1:79:A:THR:HA	3	0.5
(1,45)	1:79:A:THR:H	1:79:A:THR:HA	5	0.5
(1,45)	1:79:A:THR:H	1:79:A:THR:HA	6	0.5
(1,45)	1:79:A:THR:H	1:79:A:THR:HA	12	0.5
(1,45)	1:79:A:THR:H	1:79:A:THR:HA	13	0.5
(1,45)	1:79:A:THR:H	1:79:A:THR:HA	16	0.5
(1,40)	1:16:A:LEU:H	1:15:A:GLY:H	3	0.5
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB1	6	0.49
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB2	6	0.49
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB3	6	0.49
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB1	10	0.49
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB2	10	0.49
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB3	10	0.49
(2,1881)	1:13:A:LEU:HG	1:9:A:LEU:HG	11	0.49
(2,1881)	1:13:A:LEU:HG	1:9:A:LEU:HG	13	0.49
(2,1869)	1:65:A:ARG:HD2	1:65:A:ARG:HE	11	0.49
(2,1863)	1:65:A:ARG:HD3	1:65:A:ARG:HE	16	0.49
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG21	15	0.49
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG22	15	0.49
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG23	15	0.49
(2,1680)	1:90:A:LEU:HD21	1:51:A:PHE:HZ	15	0.49
(2,1680)	1:90:A:LEU:HD22	1:51:A:PHE:HZ	15	0.49
(2,1680)	1:90:A:LEU:HD23	1:51:A:PHE:HZ	15	0.49
(2,1641)	1:88:A:HIS:HB3	1:47:A:PRO:HB3	8	0.49
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB1	10	0.49
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB2	10	0.49
(2,1628)	1:87:A:PRO:HD2	1:48:A:ALA:HB3	10	0.49
(2,1625)	1:87:A:PRO:HB2	1:88:A:HIS:H	3	0.49
(2,1625)	1:87:A:PRO:HB2	1:88:A:HIS:H	15	0.49
(2,1540)	1:98:A:LEU:HB2	1:95:A:HIS:HA	5	0.49
(2,1531)	1:98:A:LEU:HB3	1:98:A:LEU:HD11	1	0.49
(2,1531)	1:98:A:LEU:HB3	1:98:A:LEU:HD12	1	0.49
(2,1531)	1:98:A:LEU:HB3	1:98:A:LEU:HD13	1	0.49
(2,1531)	1:98:A:LEU:HB3	1:98:A:LEU:HD11	7	0.49
(2,1531)	1:98:A:LEU:HB3	1:98:A:LEU:HD12	7	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1531)	1:98:A:LEU:HB3	1:98:A:LEU:HD13	7	0.49
(2,1519)	1:16:A:LEU:HB2	1:21:A:GLN:HG3	13	0.49
(2,1506)	1:72:A:THR:HG21	1:68:A:LEU:HB2	5	0.49
(2,1506)	1:72:A:THR:HG22	1:68:A:LEU:HB2	5	0.49
(2,1506)	1:72:A:THR:HG23	1:68:A:LEU:HB2	5	0.49
(2,1506)	1:72:A:THR:HG21	1:68:A:LEU:HB2	16	0.49
(2,1506)	1:72:A:THR:HG22	1:68:A:LEU:HB2	16	0.49
(2,1506)	1:72:A:THR:HG23	1:68:A:LEU:HB2	16	0.49
(2,1480)	1:78:A:PRO:HA	1:79:A:THR:H	6	0.49
(2,1480)	1:78:A:PRO:HA	1:79:A:THR:H	10	0.49
(2,1468)	1:74:A:LEU:HA	1:75:A:ASP:H	10	0.49
(2,1468)	1:74:A:LEU:HA	1:75:A:ASP:H	16	0.49
(2,1433)	1:71:A:ASN:HA	1:70:A:HIS:HD2	8	0.49
(2,1423)	1:93:A:HIS:HD2	1:93:A:HIS:HB3	14	0.49
(2,1423)	1:93:A:HIS:HD2	1:93:A:HIS:HB3	15	0.49
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD11	13	0.49
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD12	13	0.49
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD13	13	0.49
(2,1212)	1:63:A:GLU:HA	1:66:A:ASN:HD21	7	0.49
(2,1197)	1:60:A:THR:HG21	1:63:A:GLU:HB2	11	0.49
(2,1197)	1:60:A:THR:HG22	1:63:A:GLU:HB2	11	0.49
(2,1197)	1:60:A:THR:HG23	1:63:A:GLU:HB2	11	0.49
(2,1103)	1:81:A:ILE:HG21	1:51:A:PHE:HB3	1	0.49
(2,1103)	1:81:A:ILE:HG22	1:51:A:PHE:HB3	1	0.49
(2,1103)	1:81:A:ILE:HG23	1:51:A:PHE:HB3	1	0.49
(2,1103)	1:81:A:ILE:HG21	1:51:A:PHE:HB3	5	0.49
(2,1103)	1:81:A:ILE:HG22	1:51:A:PHE:HB3	5	0.49
(2,1103)	1:81:A:ILE:HG23	1:51:A:PHE:HB3	5	0.49
(2,1074)	1:54:A:LEU:HD21	1:54:A:LEU:HA	9	0.49
(2,1074)	1:54:A:LEU:HD22	1:54:A:LEU:HA	9	0.49
(2,1074)	1:54:A:LEU:HD23	1:54:A:LEU:HA	9	0.49
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD11	16	0.49
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD12	16	0.49
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD13	16	0.49
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD1	4	0.49
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD2	4	0.49
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD1	15	0.49
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD2	15	0.49
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB1	4	0.49
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB2	4	0.49
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB3	4	0.49
(2,952)	1:47:A:PRO:HB3	1:48:A:ALA:HA	12	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,952)	1:47:A:PRO:HB3	1:48:A:ALA:HA	13	0.49
(2,911)	1:43:A:GLU:HB2	1:43:A:GLU:H	7	0.49
(2,901)	1:41:A:THR:HG21	1:40:A:HIS:HD2	5	0.49
(2,901)	1:41:A:THR:HG22	1:40:A:HIS:HD2	5	0.49
(2,901)	1:41:A:THR:HG23	1:40:A:HIS:HD2	5	0.49
(2,888)	1:41:A:THR:HB	1:41:A:THR:HA	15	0.49
(2,838)	1:37:A:LEU:HG	1:37:A:LEU:HB2	1	0.49
(2,838)	1:37:A:LEU:HG	1:37:A:LEU:HB2	11	0.49
(2,838)	1:37:A:LEU:HG	1:37:A:LEU:HB2	12	0.49
(2,838)	1:37:A:LEU:HG	1:37:A:LEU:HB2	13	0.49
(2,818)	1:36:A:VAL:HG11	1:63:A:GLU:HB2	13	0.49
(2,818)	1:36:A:VAL:HG12	1:63:A:GLU:HB2	13	0.49
(2,818)	1:36:A:VAL:HG13	1:63:A:GLU:HB2	13	0.49
(2,818)	1:36:A:VAL:HG11	1:63:A:GLU:HB2	14	0.49
(2,818)	1:36:A:VAL:HG12	1:63:A:GLU:HB2	14	0.49
(2,818)	1:36:A:VAL:HG13	1:63:A:GLU:HB2	14	0.49
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG21	11	0.49
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG22	11	0.49
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG23	11	0.49
(2,682)	1:62:A:LEU:HD11	1:78:A:PRO:HB2	9	0.49
(2,682)	1:62:A:LEU:HD12	1:78:A:PRO:HB2	9	0.49
(2,682)	1:62:A:LEU:HD13	1:78:A:PRO:HB2	9	0.49
(2,622)	1:28:A:LEU:HB3	1:25:A:LEU:HA	5	0.49
(2,622)	1:28:A:LEU:HB3	1:25:A:LEU:HA	7	0.49
(2,622)	1:28:A:LEU:HB3	1:25:A:LEU:HA	8	0.49
(2,622)	1:28:A:LEU:HB3	1:25:A:LEU:HA	12	0.49
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB1	12	0.49
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB2	12	0.49
(2,586)	1:29:A:VAL:HB	1:26:A:ALA:HB3	12	0.49
(2,567)	1:28:A:LEU:HD11	1:28:A:LEU:HG	1	0.49
(2,567)	1:28:A:LEU:HD12	1:28:A:LEU:HG	1	0.49
(2,567)	1:28:A:LEU:HD13	1:28:A:LEU:HG	1	0.49
(2,567)	1:28:A:LEU:HD11	1:28:A:LEU:HG	2	0.49
(2,567)	1:28:A:LEU:HD12	1:28:A:LEU:HG	2	0.49
(2,567)	1:28:A:LEU:HD13	1:28:A:LEU:HG	2	0.49
(2,567)	1:28:A:LEU:HD11	1:28:A:LEU:HG	3	0.49
(2,567)	1:28:A:LEU:HD12	1:28:A:LEU:HG	3	0.49
(2,567)	1:28:A:LEU:HD13	1:28:A:LEU:HG	3	0.49
(2,567)	1:28:A:LEU:HD11	1:28:A:LEU:HG	4	0.49
(2,567)	1:28:A:LEU:HD12	1:28:A:LEU:HG	4	0.49
(2,567)	1:28:A:LEU:HD13	1:28:A:LEU:HG	4	0.49
(2,567)	1:28:A:LEU:HD11	1:28:A:LEU:HG	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,567)	1:28:A:LEU:HD12	1:28:A:LEU:HG	5	0.49
(2,567)	1:28:A:LEU:HD13	1:28:A:LEU:HG	5	0.49
(2,567)	1:28:A:LEU:HD11	1:28:A:LEU:HG	6	0.49
(2,567)	1:28:A:LEU:HD12	1:28:A:LEU:HG	6	0.49
(2,567)	1:28:A:LEU:HD13	1:28:A:LEU:HG	6	0.49
(2,567)	1:28:A:LEU:HD11	1:28:A:LEU:HG	7	0.49
(2,567)	1:28:A:LEU:HD12	1:28:A:LEU:HG	7	0.49
(2,567)	1:28:A:LEU:HD13	1:28:A:LEU:HG	7	0.49
(2,567)	1:28:A:LEU:HD11	1:28:A:LEU:HG	8	0.49
(2,567)	1:28:A:LEU:HD12	1:28:A:LEU:HG	8	0.49
(2,567)	1:28:A:LEU:HD13	1:28:A:LEU:HG	8	0.49
(2,567)	1:28:A:LEU:HD11	1:28:A:LEU:HG	9	0.49
(2,567)	1:28:A:LEU:HD12	1:28:A:LEU:HG	9	0.49
(2,567)	1:28:A:LEU:HD13	1:28:A:LEU:HG	9	0.49
(2,567)	1:28:A:LEU:HD11	1:28:A:LEU:HG	10	0.49
(2,567)	1:28:A:LEU:HD12	1:28:A:LEU:HG	10	0.49
(2,567)	1:28:A:LEU:HD13	1:28:A:LEU:HG	10	0.49
(2,567)	1:28:A:LEU:HD11	1:28:A:LEU:HG	11	0.49
(2,567)	1:28:A:LEU:HD12	1:28:A:LEU:HG	11	0.49
(2,567)	1:28:A:LEU:HD13	1:28:A:LEU:HG	11	0.49
(2,567)	1:28:A:LEU:HD11	1:28:A:LEU:HG	12	0.49
(2,567)	1:28:A:LEU:HD12	1:28:A:LEU:HG	12	0.49
(2,567)	1:28:A:LEU:HD13	1:28:A:LEU:HG	12	0.49
(2,567)	1:28:A:LEU:HD11	1:28:A:LEU:HG	13	0.49
(2,567)	1:28:A:LEU:HD12	1:28:A:LEU:HG	13	0.49
(2,567)	1:28:A:LEU:HD13	1:28:A:LEU:HG	13	0.49
(2,567)	1:28:A:LEU:HD11	1:28:A:LEU:HG	14	0.49
(2,567)	1:28:A:LEU:HD12	1:28:A:LEU:HG	14	0.49
(2,567)	1:28:A:LEU:HD13	1:28:A:LEU:HG	14	0.49
(2,567)	1:28:A:LEU:HD11	1:28:A:LEU:HG	15	0.49
(2,567)	1:28:A:LEU:HD12	1:28:A:LEU:HG	15	0.49
(2,567)	1:28:A:LEU:HD13	1:28:A:LEU:HG	15	0.49
(2,567)	1:28:A:LEU:HD11	1:28:A:LEU:HG	16	0.49
(2,567)	1:28:A:LEU:HD12	1:28:A:LEU:HG	16	0.49
(2,567)	1:28:A:LEU:HD13	1:28:A:LEU:HG	16	0.49
(2,449)	1:63:A:GLU:HB2	1:62:A:LEU:H	5	0.49
(2,434)	1:21:A:GLN:HB3	1:21:A:GLN:HA	4	0.49
(2,434)	1:21:A:GLN:HB3	1:21:A:GLN:HA	6	0.49
(2,434)	1:21:A:GLN:HB3	1:21:A:GLN:HA	13	0.49
(2,434)	1:21:A:GLN:HB3	1:21:A:GLN:HA	15	0.49
(2,434)	1:21:A:GLN:HB3	1:21:A:GLN:HA	16	0.49
(2,427)	1:21:A:GLN:HB2	1:21:A:GLN:HG3	9	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,427)	1:21:A:GLN:HB2	1:21:A:GLN:HG3	10	0.49
(2,423)	1:18:A:PRO:HA	1:21:A:GLN:HB2	11	0.49
(2,418)	1:21:A:GLN:HB2	1:22:A:GLN:H	5	0.49
(2,418)	1:21:A:GLN:HB2	1:22:A:GLN:H	16	0.49
(2,414)	1:9:A:LEU:HA	1:8:A:ASP:HB2	1	0.49
(2,355)	1:16:A:LEU:HG	1:20:A:GLN:HG3	12	0.49
(2,179)	1:8:A:ASP:HB2	1:8:A:ASP:H	6	0.49
(2,179)	1:8:A:ASP:HB2	1:8:A:ASP:H	7	0.49
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD21	3	0.49
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD22	3	0.49
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD23	3	0.49
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD21	3	0.49
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD22	3	0.49
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD23	3	0.49
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD21	3	0.49
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD22	3	0.49
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD23	3	0.49
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD21	5	0.49
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD22	5	0.49
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD23	5	0.49
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD21	5	0.49
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD22	5	0.49
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD23	5	0.49
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD21	5	0.49
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD22	5	0.49
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD23	5	0.49
(2,135)	1:7:A:THR:HG21	1:7:A:THR:H	3	0.49
(2,135)	1:7:A:THR:HG22	1:7:A:THR:H	3	0.49
(2,135)	1:7:A:THR:HG23	1:7:A:THR:H	3	0.49
(2,135)	1:7:A:THR:HG21	1:7:A:THR:H	16	0.49
(2,135)	1:7:A:THR:HG22	1:7:A:THR:H	16	0.49
(2,135)	1:7:A:THR:HG23	1:7:A:THR:H	16	0.49
(2,117)	1:6:A:ALA:HA	1:4:A:SER:HA	5	0.49
(2,73)	1:81:A:ILE:HD11	1:51:A:PHE:HA	6	0.49
(2,73)	1:81:A:ILE:HD12	1:51:A:PHE:HA	6	0.49
(2,73)	1:81:A:ILE:HD13	1:51:A:PHE:HA	6	0.49
(2,63)	1:81:A:ILE:HD11	1:64:A:LEU:HB3	15	0.49
(2,63)	1:81:A:ILE:HD12	1:64:A:LEU:HB3	15	0.49
(2,63)	1:81:A:ILE:HD13	1:64:A:LEU:HB3	15	0.49
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD11	4	0.49
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD12	4	0.49
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD13	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD11	4	0.49
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD12	4	0.49
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD13	4	0.49
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD11	4	0.49
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD12	4	0.49
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD13	4	0.49
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD11	13	0.49
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD12	13	0.49
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD13	13	0.49
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD11	13	0.49
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD12	13	0.49
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD13	13	0.49
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD11	13	0.49
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD12	13	0.49
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD13	13	0.49
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD11	15	0.49
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD12	15	0.49
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD13	15	0.49
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD11	15	0.49
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD12	15	0.49
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD13	15	0.49
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD11	15	0.49
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD12	15	0.49
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD13	15	0.49
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD21	11	0.49
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD22	11	0.49
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD23	11	0.49
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD21	15	0.49
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD22	15	0.49
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD23	15	0.49
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG21	2	0.49
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG22	2	0.49
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG23	2	0.49
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG21	16	0.49
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG22	16	0.49
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG23	16	0.49
(1,318)	1:9:A:LEU:H	1:9:A:LEU:HG	2	0.49
(1,318)	1:9:A:LEU:H	1:9:A:LEU:HG	4	0.49
(1,318)	1:9:A:LEU:H	1:9:A:LEU:HG	8	0.49
(1,318)	1:9:A:LEU:H	1:9:A:LEU:HG	9	0.49
(1,318)	1:9:A:LEU:H	1:9:A:LEU:HG	10	0.49
(1,318)	1:9:A:LEU:H	1:9:A:LEU:HG	14	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:9:A:LEU:H	1:9:A:LEU:HG	16	0.49
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD21	2	0.49
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD22	2	0.49
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD23	2	0.49
(1,304)	1:74:A:LEU:H	1:74:A:LEU:HB2	14	0.49
(1,282)	1:14:A:ASN:HD21	1:11:A:ALA:HA	7	0.49
(1,270)	1:81:A:ILE:H	1:81:A:ILE:HG12	2	0.49
(1,262)	1:55:A:GLY:H	1:56:A:ILE:H	7	0.49
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD21	7	0.49
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD22	7	0.49
(1,260)	1:55:A:GLY:H	1:54:A:LEU:HD23	7	0.49
(1,191)	1:62:A:LEU:H	1:65:A:ARG:HB2	1	0.49
(1,191)	1:62:A:LEU:H	1:65:A:ARG:HB2	7	0.49
(1,162)	1:46:A:SER:H	1:46:A:SER:HB3	11	0.49
(1,143)	1:49:A:THR:H	1:50:A:ALA:H	2	0.49
(1,143)	1:49:A:THR:H	1:50:A:ALA:H	8	0.49
(1,113)	1:88:A:HIS:H	1:87:A:PRO:HD2	5	0.49
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG21	4	0.49
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG22	4	0.49
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG23	4	0.49
(1,45)	1:79:A:THR:H	1:79:A:THR:HA	10	0.49
(1,45)	1:79:A:THR:H	1:79:A:THR:HA	14	0.49
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB1	7	0.48
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB2	7	0.48
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB3	7	0.48
(2,1873)	1:98:A:LEU:HD21	1:10:A:ALA:HA	8	0.48
(2,1873)	1:98:A:LEU:HD22	1:10:A:ALA:HA	8	0.48
(2,1873)	1:98:A:LEU:HD23	1:10:A:ALA:HA	8	0.48
(2,1863)	1:65:A:ARG:HD3	1:65:A:ARG:HE	4	0.48
(2,1763)	1:41:A:THR:HG21	1:40:A:HIS:HB2	16	0.48
(2,1763)	1:41:A:THR:HG22	1:40:A:HIS:HB2	16	0.48
(2,1763)	1:41:A:THR:HG23	1:40:A:HIS:HB2	16	0.48
(2,1721)	1:92:A:GLN:HG2	1:92:A:GLN:H	9	0.48
(2,1680)	1:90:A:LEU:HD21	1:51:A:PHE:HZ	5	0.48
(2,1680)	1:90:A:LEU:HD22	1:51:A:PHE:HZ	5	0.48
(2,1680)	1:90:A:LEU:HD23	1:51:A:PHE:HZ	5	0.48
(2,1641)	1:88:A:HIS:HB3	1:47:A:PRO:HB3	10	0.48
(2,1531)	1:98:A:LEU:HB3	1:98:A:LEU:HD11	5	0.48
(2,1531)	1:98:A:LEU:HB3	1:98:A:LEU:HD12	5	0.48
(2,1531)	1:98:A:LEU:HB3	1:98:A:LEU:HD13	5	0.48
(2,1521)	1:16:A:LEU:HB2	1:21:A:GLN:HG2	9	0.48
(2,1519)	1:16:A:LEU:HB2	1:21:A:GLN:HG3	1	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1519)	1:16:A:LEU:HB2	1:21:A:GLN:HG3	10	0.48
(2,1506)	1:72:A:THR:HG21	1:68:A:LEU:HB2	10	0.48
(2,1506)	1:72:A:THR:HG22	1:68:A:LEU:HB2	10	0.48
(2,1506)	1:72:A:THR:HG23	1:68:A:LEU:HB2	10	0.48
(2,1493)	1:79:A:THR:HB	1:82:A:PHE:HB2	4	0.48
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG21	9	0.48
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG22	9	0.48
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG23	9	0.48
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG21	14	0.48
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG22	14	0.48
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG23	14	0.48
(2,1468)	1:74:A:LEU:HA	1:75:A:ASP:H	3	0.48
(2,1423)	1:93:A:HIS:HD2	1:93:A:HIS:HB3	1	0.48
(2,1423)	1:93:A:HIS:HD2	1:93:A:HIS:HB3	4	0.48
(2,1423)	1:93:A:HIS:HD2	1:93:A:HIS:HB3	12	0.48
(2,1332)	1:94:A:LEU:HG	1:94:A:LEU:H	13	0.48
(2,1296)	1:66:A:ASN:HB2	1:63:A:GLU:HA	2	0.48
(2,1296)	1:66:A:ASN:HB2	1:63:A:GLU:HA	8	0.48
(2,1212)	1:63:A:GLU:HA	1:66:A:ASN:HD21	4	0.48
(2,1197)	1:60:A:THR:HG21	1:63:A:GLU:HB2	9	0.48
(2,1197)	1:60:A:THR:HG22	1:63:A:GLU:HB2	9	0.48
(2,1197)	1:60:A:THR:HG23	1:63:A:GLU:HB2	9	0.48
(2,1197)	1:60:A:THR:HG21	1:63:A:GLU:HB2	16	0.48
(2,1197)	1:60:A:THR:HG22	1:63:A:GLU:HB2	16	0.48
(2,1197)	1:60:A:THR:HG23	1:63:A:GLU:HB2	16	0.48
(2,1103)	1:81:A:ILE:HG21	1:51:A:PHE:HB3	16	0.48
(2,1103)	1:81:A:ILE:HG22	1:51:A:PHE:HB3	16	0.48
(2,1103)	1:81:A:ILE:HG23	1:51:A:PHE:HB3	16	0.48
(2,1074)	1:54:A:LEU:HD21	1:54:A:LEU:HA	1	0.48
(2,1074)	1:54:A:LEU:HD22	1:54:A:LEU:HA	1	0.48
(2,1074)	1:54:A:LEU:HD23	1:54:A:LEU:HA	1	0.48
(2,1074)	1:54:A:LEU:HD21	1:54:A:LEU:HA	15	0.48
(2,1074)	1:54:A:LEU:HD22	1:54:A:LEU:HA	15	0.48
(2,1074)	1:54:A:LEU:HD23	1:54:A:LEU:HA	15	0.48
(2,1016)	1:50:A:ALA:HA	1:50:A:ALA:H	2	0.48
(2,1016)	1:50:A:ALA:HA	1:50:A:ALA:H	4	0.48
(2,1016)	1:50:A:ALA:HA	1:50:A:ALA:H	6	0.48
(2,1016)	1:50:A:ALA:HA	1:50:A:ALA:H	7	0.48
(2,1016)	1:50:A:ALA:HA	1:50:A:ALA:H	8	0.48
(2,1016)	1:50:A:ALA:HA	1:50:A:ALA:H	11	0.48
(2,1016)	1:50:A:ALA:HA	1:50:A:ALA:H	12	0.48
(2,1016)	1:50:A:ALA:HA	1:50:A:ALA:H	13	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1016)	1:50:A:ALA:HA	1:50:A:ALA:H	14	0.48
(2,1016)	1:50:A:ALA:HA	1:50:A:ALA:H	15	0.48
(2,1011)	1:75:A:ASP:HA	1:74:A:LEU:HG	1	0.48
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD11	3	0.48
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD12	3	0.48
(2,1003)	1:72:A:THR:HA	1:94:A:LEU:HD13	3	0.48
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD1	1	0.48
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD2	1	0.48
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD1	11	0.48
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD2	11	0.48
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD1	13	0.48
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD2	13	0.48
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB1	1	0.48
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB2	1	0.48
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB3	1	0.48
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB1	13	0.48
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB2	13	0.48
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB3	13	0.48
(2,952)	1:47:A:PRO:HB3	1:48:A:ALA:HA	3	0.48
(2,952)	1:47:A:PRO:HB3	1:48:A:ALA:HA	4	0.48
(2,952)	1:47:A:PRO:HB3	1:48:A:ALA:HA	9	0.48
(2,952)	1:47:A:PRO:HB3	1:48:A:ALA:HA	10	0.48
(2,952)	1:47:A:PRO:HB3	1:48:A:ALA:HA	14	0.48
(2,952)	1:47:A:PRO:HB3	1:48:A:ALA:HA	16	0.48
(2,911)	1:43:A:GLU:HB2	1:43:A:GLU:H	4	0.48
(2,851)	1:74:A:LEU:HD21	1:75:A:ASP:H	13	0.48
(2,851)	1:74:A:LEU:HD22	1:75:A:ASP:H	13	0.48
(2,851)	1:74:A:LEU:HD23	1:75:A:ASP:H	13	0.48
(2,838)	1:37:A:LEU:HG	1:37:A:LEU:HB2	7	0.48
(2,838)	1:37:A:LEU:HG	1:37:A:LEU:HB2	10	0.48
(2,818)	1:36:A:VAL:HG11	1:63:A:GLU:HB2	2	0.48
(2,818)	1:36:A:VAL:HG12	1:63:A:GLU:HB2	2	0.48
(2,818)	1:36:A:VAL:HG13	1:63:A:GLU:HB2	2	0.48
(2,818)	1:36:A:VAL:HG11	1:63:A:GLU:HB2	6	0.48
(2,818)	1:36:A:VAL:HG12	1:63:A:GLU:HB2	6	0.48
(2,818)	1:36:A:VAL:HG13	1:63:A:GLU:HB2	6	0.48
(2,715)	1:30:A:ALA:HB1	1:45:A:ILE:HB	8	0.48
(2,715)	1:30:A:ALA:HB2	1:45:A:ILE:HB	8	0.48
(2,715)	1:30:A:ALA:HB3	1:45:A:ILE:HB	8	0.48
(2,689)	1:62:A:LEU:HD11	1:65:A:ARG:H	8	0.48
(2,689)	1:62:A:LEU:HD12	1:65:A:ARG:H	8	0.48
(2,689)	1:62:A:LEU:HD13	1:65:A:ARG:H	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,622)	1:28:A:LEU:HB3	1:25:A:LEU:HA	6	0.48
(2,622)	1:28:A:LEU:HB3	1:25:A:LEU:HA	10	0.48
(2,622)	1:28:A:LEU:HB3	1:25:A:LEU:HA	11	0.48
(2,622)	1:28:A:LEU:HB3	1:25:A:LEU:HA	14	0.48
(2,547)	1:25:A:LEU:HA	1:29:A:VAL:H	2	0.48
(2,513)	1:23:A:GLN:HG3	1:23:A:GLN:H	4	0.48
(2,513)	1:23:A:GLN:HG3	1:23:A:GLN:H	9	0.48
(2,460)	1:16:A:LEU:HD21	1:20:A:GLN:HB3	4	0.48
(2,460)	1:16:A:LEU:HD22	1:20:A:GLN:HB3	4	0.48
(2,460)	1:16:A:LEU:HD23	1:20:A:GLN:HB3	4	0.48
(2,460)	1:16:A:LEU:HD21	1:20:A:GLN:HB3	16	0.48
(2,460)	1:16:A:LEU:HD22	1:20:A:GLN:HB3	16	0.48
(2,460)	1:16:A:LEU:HD23	1:20:A:GLN:HB3	16	0.48
(2,449)	1:63:A:GLU:HB2	1:62:A:LEU:H	4	0.48
(2,449)	1:63:A:GLU:HB2	1:62:A:LEU:H	9	0.48
(2,449)	1:63:A:GLU:HB2	1:62:A:LEU:H	13	0.48
(2,434)	1:21:A:GLN:HB3	1:21:A:GLN:HA	5	0.48
(2,434)	1:21:A:GLN:HB3	1:21:A:GLN:HA	8	0.48
(2,434)	1:21:A:GLN:HB3	1:21:A:GLN:HA	9	0.48
(2,434)	1:21:A:GLN:HB3	1:21:A:GLN:HA	10	0.48
(2,427)	1:21:A:GLN:HB2	1:21:A:GLN:HG3	4	0.48
(2,423)	1:18:A:PRO:HA	1:21:A:GLN:HB2	13	0.48
(2,418)	1:21:A:GLN:HB2	1:22:A:GLN:H	4	0.48
(2,364)	1:17:A:SER:HB2	1:17:A:SER:H	16	0.48
(2,276)	1:12:A:ARG:HD3	1:9:A:LEU:HD11	5	0.48
(2,276)	1:12:A:ARG:HD3	1:9:A:LEU:HD12	5	0.48
(2,276)	1:12:A:ARG:HD3	1:9:A:LEU:HD13	5	0.48
(2,273)	1:12:A:ARG:HB3	1:12:A:ARG:HD3	5	0.48
(2,273)	1:12:A:ARG:HB3	1:12:A:ARG:HD3	6	0.48
(2,139)	1:7:A:THR:HG21	1:4:A:SER:HB3	5	0.48
(2,139)	1:7:A:THR:HG22	1:4:A:SER:HB3	5	0.48
(2,139)	1:7:A:THR:HG23	1:4:A:SER:HB3	5	0.48
(2,139)	1:7:A:THR:HG21	1:4:A:SER:HB3	15	0.48
(2,139)	1:7:A:THR:HG22	1:4:A:SER:HB3	15	0.48
(2,139)	1:7:A:THR:HG23	1:4:A:SER:HB3	15	0.48
(2,135)	1:7:A:THR:HG21	1:7:A:THR:H	11	0.48
(2,135)	1:7:A:THR:HG22	1:7:A:THR:H	11	0.48
(2,135)	1:7:A:THR:HG23	1:7:A:THR:H	11	0.48
(2,65)	1:81:A:ILE:HD11	1:56:A:ILE:HG12	7	0.48
(2,65)	1:81:A:ILE:HD12	1:56:A:ILE:HG12	7	0.48
(2,65)	1:81:A:ILE:HD13	1:56:A:ILE:HG12	7	0.48
(2,63)	1:81:A:ILE:HD11	1:64:A:LEU:HB3	7	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,63)	1:81:A:ILE:HD12	1:64:A:LEU:HB3	7	0.48
(2,63)	1:81:A:ILE:HD13	1:64:A:LEU:HB3	7	0.48
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD11	5	0.48
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD12	5	0.48
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD13	5	0.48
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD11	5	0.48
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD12	5	0.48
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD13	5	0.48
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD11	5	0.48
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD12	5	0.48
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD13	5	0.48
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG21	14	0.48
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG22	14	0.48
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG23	14	0.48
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG21	14	0.48
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG22	14	0.48
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG23	14	0.48
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD21	4	0.48
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD22	4	0.48
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD23	4	0.48
(1,557)	1:23:A:GLN:H	1:23:A:GLN:HG3	4	0.48
(1,557)	1:23:A:GLN:H	1:23:A:GLN:HG3	9	0.48
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD21	6	0.48
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD22	6	0.48
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD23	6	0.48
(1,451)	1:10:A:ALA:H	1:9:A:LEU:HB3	13	0.48
(1,396)	1:7:A:THR:H	1:7:A:THR:HG21	1	0.48
(1,396)	1:7:A:THR:H	1:7:A:THR:HG22	1	0.48
(1,396)	1:7:A:THR:H	1:7:A:THR:HG23	1	0.48
(1,396)	1:7:A:THR:H	1:7:A:THR:HG21	15	0.48
(1,396)	1:7:A:THR:H	1:7:A:THR:HG22	15	0.48
(1,396)	1:7:A:THR:H	1:7:A:THR:HG23	15	0.48
(1,318)	1:9:A:LEU:H	1:9:A:LEU:HG	11	0.48
(1,318)	1:9:A:LEU:H	1:9:A:LEU:HG	12	0.48
(1,318)	1:9:A:LEU:H	1:9:A:LEU:HG	13	0.48
(1,318)	1:9:A:LEU:H	1:9:A:LEU:HG	15	0.48
(1,282)	1:14:A:ASN:HD21	1:11:A:ALA:HA	14	0.48
(1,270)	1:81:A:ILE:H	1:81:A:ILE:HG12	13	0.48
(1,262)	1:55:A:GLY:H	1:56:A:ILE:H	3	0.48
(1,208)	1:48:A:ALA:H	1:47:A:PRO:HG3	15	0.48
(1,162)	1:46:A:SER:H	1:46:A:SER:HB3	10	0.48
(1,158)	1:5:A:ALA:H	1:4:A:SER:HA	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,143)	1:49:A:THR:H	1:50:A:ALA:H	5	0.48
(1,113)	1:88:A:HIS:H	1:87:A:PRO:HD2	9	0.48
(1,51)	1:15:A:GLY:H	1:14:A:ASN:HA	1	0.48
(1,51)	1:15:A:GLY:H	1:14:A:ASN:HA	3	0.48
(1,51)	1:15:A:GLY:H	1:14:A:ASN:HA	6	0.48
(1,51)	1:15:A:GLY:H	1:14:A:ASN:HA	9	0.48
(1,51)	1:15:A:GLY:H	1:14:A:ASN:HA	15	0.48
(1,40)	1:16:A:LEU:H	1:15:A:GLY:H	11	0.48
(1,11)	1:96:A:THR:H	1:95:A:HIS:H	7	0.48
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB1	1	0.47
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB2	1	0.47
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB3	1	0.47
(2,1873)	1:98:A:LEU:HD21	1:10:A:ALA:HA	11	0.47
(2,1873)	1:98:A:LEU:HD22	1:10:A:ALA:HA	11	0.47
(2,1873)	1:98:A:LEU:HD23	1:10:A:ALA:HA	11	0.47
(2,1863)	1:65:A:ARG:HD3	1:65:A:ARG:HE	3	0.47
(2,1697)	1:91:A:THR:HA	1:94:A:LEU:HB3	7	0.47
(2,1697)	1:91:A:THR:HA	1:94:A:LEU:HB3	16	0.47
(2,1641)	1:88:A:HIS:HB3	1:47:A:PRO:HB3	3	0.47
(2,1641)	1:88:A:HIS:HB3	1:47:A:PRO:HB3	13	0.47
(2,1625)	1:87:A:PRO:HB2	1:88:A:HIS:H	13	0.47
(2,1505)	1:72:A:THR:HG21	1:71:A:ASN:HB2	11	0.47
(2,1505)	1:72:A:THR:HG22	1:71:A:ASN:HB2	11	0.47
(2,1505)	1:72:A:THR:HG23	1:71:A:ASN:HB2	11	0.47
(2,1493)	1:79:A:THR:HB	1:82:A:PHE:HB2	11	0.47
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG21	2	0.47
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG22	2	0.47
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG23	2	0.47
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG21	11	0.47
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG22	11	0.47
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG23	11	0.47
(2,1468)	1:74:A:LEU:HA	1:75:A:ASP:H	11	0.47
(2,1468)	1:74:A:LEU:HA	1:75:A:ASP:H	13	0.47
(2,1433)	1:71:A:ASN:HA	1:70:A:HIS:HD2	6	0.47
(2,1423)	1:93:A:HIS:HD2	1:93:A:HIS:HB3	6	0.47
(2,1423)	1:93:A:HIS:HD2	1:93:A:HIS:HB3	8	0.47
(2,1423)	1:93:A:HIS:HD2	1:93:A:HIS:HB3	9	0.47
(2,1423)	1:93:A:HIS:HD2	1:93:A:HIS:HB3	11	0.47
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD21	8	0.47
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD22	8	0.47
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD23	8	0.47
(2,1332)	1:94:A:LEU:HG	1:94:A:LEU:H	1	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1332)	1:94:A:LEU:HG	1:94:A:LEU:H	2	0.47
(2,1332)	1:94:A:LEU:HG	1:94:A:LEU:H	4	0.47
(2,1332)	1:94:A:LEU:HG	1:94:A:LEU:H	14	0.47
(2,1332)	1:94:A:LEU:HG	1:94:A:LEU:H	15	0.47
(2,1239)	1:64:A:LEU:HB2	1:64:A:LEU:H	11	0.47
(2,1197)	1:60:A:THR:HG21	1:63:A:GLU:HB2	3	0.47
(2,1197)	1:60:A:THR:HG22	1:63:A:GLU:HB2	3	0.47
(2,1197)	1:60:A:THR:HG23	1:63:A:GLU:HB2	3	0.47
(2,1197)	1:60:A:THR:HG21	1:63:A:GLU:HB2	6	0.47
(2,1197)	1:60:A:THR:HG22	1:63:A:GLU:HB2	6	0.47
(2,1197)	1:60:A:THR:HG23	1:63:A:GLU:HB2	6	0.47
(2,1197)	1:60:A:THR:HG21	1:63:A:GLU:HB2	10	0.47
(2,1197)	1:60:A:THR:HG22	1:63:A:GLU:HB2	10	0.47
(2,1197)	1:60:A:THR:HG23	1:63:A:GLU:HB2	10	0.47
(2,1192)	1:62:A:LEU:HB2	1:65:A:ARG:HB2	1	0.47
(2,1192)	1:62:A:LEU:HB2	1:65:A:ARG:HB2	15	0.47
(2,1192)	1:62:A:LEU:HB2	1:65:A:ARG:HB2	16	0.47
(2,1173)	1:61:A:ALA:HB1	1:58:A:SER:HA	7	0.47
(2,1173)	1:61:A:ALA:HB2	1:58:A:SER:HA	7	0.47
(2,1173)	1:61:A:ALA:HB3	1:58:A:SER:HA	7	0.47
(2,1103)	1:81:A:ILE:HG21	1:51:A:PHE:HB3	4	0.47
(2,1103)	1:81:A:ILE:HG22	1:51:A:PHE:HB3	4	0.47
(2,1103)	1:81:A:ILE:HG23	1:51:A:PHE:HB3	4	0.47
(2,1075)	1:54:A:LEU:HD21	1:45:A:ILE:HG13	4	0.47
(2,1075)	1:54:A:LEU:HD22	1:45:A:ILE:HG13	4	0.47
(2,1075)	1:54:A:LEU:HD23	1:45:A:ILE:HG13	4	0.47
(2,1016)	1:50:A:ALA:HA	1:50:A:ALA:H	1	0.47
(2,1016)	1:50:A:ALA:HA	1:50:A:ALA:H	3	0.47
(2,1016)	1:50:A:ALA:HA	1:50:A:ALA:H	5	0.47
(2,1016)	1:50:A:ALA:HA	1:50:A:ALA:H	9	0.47
(2,1016)	1:50:A:ALA:HA	1:50:A:ALA:H	10	0.47
(2,1016)	1:50:A:ALA:HA	1:50:A:ALA:H	16	0.47
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD1	5	0.47
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD2	5	0.47
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD1	12	0.47
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD2	12	0.47
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB1	2	0.47
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB2	2	0.47
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB3	2	0.47
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB1	5	0.47
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB2	5	0.47
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB3	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB1	8	0.47
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB2	8	0.47
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB3	8	0.47
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB1	9	0.47
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB2	9	0.47
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB3	9	0.47
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB1	11	0.47
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB2	11	0.47
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB3	11	0.47
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB1	12	0.47
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB2	12	0.47
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB3	12	0.47
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB1	15	0.47
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB2	15	0.47
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB3	15	0.47
(2,952)	1:47:A:PRO:HB3	1:48:A:ALA:HA	1	0.47
(2,952)	1:47:A:PRO:HB3	1:48:A:ALA:HA	2	0.47
(2,952)	1:47:A:PRO:HB3	1:48:A:ALA:HA	6	0.47
(2,952)	1:47:A:PRO:HB3	1:48:A:ALA:HA	11	0.47
(2,911)	1:43:A:GLU:HB2	1:43:A:GLU:H	2	0.47
(2,911)	1:43:A:GLU:HB2	1:43:A:GLU:H	14	0.47
(2,894)	1:41:A:THR:HB	1:43:A:GLU:HB2	3	0.47
(2,648)	1:28:A:LEU:HD21	1:71:A:ASN:HB3	6	0.47
(2,648)	1:28:A:LEU:HD22	1:71:A:ASN:HB3	6	0.47
(2,648)	1:28:A:LEU:HD23	1:71:A:ASN:HB3	6	0.47
(2,622)	1:28:A:LEU:HB3	1:25:A:LEU:HA	9	0.47
(2,513)	1:23:A:GLN:HG3	1:23:A:GLN:H	5	0.47
(2,513)	1:23:A:GLN:HG3	1:23:A:GLN:H	16	0.47
(2,508)	1:23:A:GLN:HB3	1:20:A:GLN:HA	16	0.47
(2,492)	1:22:A:GLN:HG2	1:19:A:GLN:HA	13	0.47
(2,449)	1:63:A:GLU:HB2	1:62:A:LEU:H	3	0.47
(2,434)	1:21:A:GLN:HB3	1:21:A:GLN:HA	1	0.47
(2,434)	1:21:A:GLN:HB3	1:21:A:GLN:HA	3	0.47
(2,423)	1:18:A:PRO:HA	1:21:A:GLN:HB2	9	0.47
(2,418)	1:21:A:GLN:HB2	1:22:A:GLN:H	2	0.47
(2,412)	1:19:A:GLN:HB2	1:19:A:GLN:H	13	0.47
(2,365)	1:17:A:SER:HB3	1:17:A:SER:H	15	0.47
(2,355)	1:16:A:LEU:HG	1:20:A:GLN:HG3	13	0.47
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD21	8	0.47
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD22	8	0.47
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD23	8	0.47
(2,292)	1:68:A:LEU:HB2	1:65:A:ARG:HA	7	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,292)	1:68:A:LEU:HB2	1:65:A:ARG:HA	10	0.47
(2,240)	1:10:A:ALA:HB1	1:98:A:LEU:HD21	11	0.47
(2,240)	1:10:A:ALA:HB1	1:98:A:LEU:HD22	11	0.47
(2,240)	1:10:A:ALA:HB1	1:98:A:LEU:HD23	11	0.47
(2,240)	1:10:A:ALA:HB2	1:98:A:LEU:HD21	11	0.47
(2,240)	1:10:A:ALA:HB2	1:98:A:LEU:HD22	11	0.47
(2,240)	1:10:A:ALA:HB2	1:98:A:LEU:HD23	11	0.47
(2,240)	1:10:A:ALA:HB3	1:98:A:LEU:HD21	11	0.47
(2,240)	1:10:A:ALA:HB3	1:98:A:LEU:HD22	11	0.47
(2,240)	1:10:A:ALA:HB3	1:98:A:LEU:HD23	11	0.47
(2,179)	1:8:A:ASP:HB2	1:8:A:ASP:H	15	0.47
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB1	13	0.47
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB2	13	0.47
(2,164)	1:8:A:ASP:HB2	1:11:A:ALA:HB3	13	0.47
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD21	11	0.47
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD22	11	0.47
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD23	11	0.47
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD21	11	0.47
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD22	11	0.47
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD23	11	0.47
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD21	11	0.47
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD22	11	0.47
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD23	11	0.47
(2,63)	1:81:A:ILE:HD11	1:64:A:LEU:HB3	13	0.47
(2,63)	1:81:A:ILE:HD12	1:64:A:LEU:HB3	13	0.47
(2,63)	1:81:A:ILE:HD13	1:64:A:LEU:HB3	13	0.47
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD11	3	0.47
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD12	3	0.47
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD13	3	0.47
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD11	3	0.47
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD12	3	0.47
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD13	3	0.47
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD11	3	0.47
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD12	3	0.47
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD13	3	0.47
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD11	7	0.47
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD12	7	0.47
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD13	7	0.47
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD11	7	0.47
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD12	7	0.47
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD13	7	0.47
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD11	7	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD12	7	0.47
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD13	7	0.47
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD11	11	0.47
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD12	11	0.47
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD13	11	0.47
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD11	11	0.47
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD12	11	0.47
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD13	11	0.47
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD11	11	0.47
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD12	11	0.47
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD13	11	0.47
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD11	16	0.47
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD12	16	0.47
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD13	16	0.47
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD11	16	0.47
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD12	16	0.47
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD13	16	0.47
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD11	16	0.47
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD12	16	0.47
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD13	16	0.47
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD11	8	0.47
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD12	8	0.47
(2,58)	1:64:A:LEU:HD11	1:81:A:ILE:HD13	8	0.47
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD11	8	0.47
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD12	8	0.47
(2,58)	1:64:A:LEU:HD12	1:81:A:ILE:HD13	8	0.47
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD11	8	0.47
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD12	8	0.47
(2,58)	1:64:A:LEU:HD13	1:81:A:ILE:HD13	8	0.47
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG21	12	0.47
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG22	12	0.47
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG23	12	0.47
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG21	12	0.47
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG22	12	0.47
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG23	12	0.47
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD1	7	0.47
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD2	7	0.47
(1,561)	1:22:A:GLN:H	1:21:A:GLN:HB2	6	0.47
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD21	15	0.47
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD22	15	0.47
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD23	15	0.47
(1,557)	1:23:A:GLN:H	1:23:A:GLN:HG3	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,557)	1:23:A:GLN:H	1:23:A:GLN:HG3	16	0.47
(1,527)	1:93:A:HIS:H	1:92:A:GLN:HB3	10	0.47
(1,527)	1:93:A:HIS:H	1:92:A:GLN:HB3	14	0.47
(1,527)	1:93:A:HIS:H	1:92:A:GLN:HB3	15	0.47
(1,479)	1:68:A:LEU:H	1:68:A:LEU:HG	13	0.47
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB1	2	0.47
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB2	2	0.47
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB3	2	0.47
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG21	10	0.47
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG22	10	0.47
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG23	10	0.47
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG21	14	0.47
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG22	14	0.47
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG23	14	0.47
(1,318)	1:9:A:LEU:H	1:9:A:LEU:HG	1	0.47
(1,304)	1:74:A:LEU:H	1:74:A:LEU:HB2	7	0.47
(1,282)	1:14:A:ASN:HD21	1:11:A:ALA:HA	10	0.47
(1,282)	1:14:A:ASN:HD21	1:11:A:ALA:HA	11	0.47
(1,282)	1:14:A:ASN:HD21	1:11:A:ALA:HA	13	0.47
(1,262)	1:55:A:GLY:H	1:56:A:ILE:H	13	0.47
(1,233)	1:102:A:HIS:H	1:102:A:HIS:HB2	11	0.47
(1,208)	1:48:A:ALA:H	1:47:A:PRO:HG3	13	0.47
(1,162)	1:46:A:SER:H	1:46:A:SER:HB3	1	0.47
(1,158)	1:5:A:ALA:H	1:4:A:SER:HA	15	0.47
(1,143)	1:49:A:THR:H	1:50:A:ALA:H	13	0.47
(1,113)	1:88:A:HIS:H	1:87:A:PRO:HD2	4	0.47
(1,113)	1:88:A:HIS:H	1:87:A:PRO:HD2	16	0.47
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG21	5	0.47
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG22	5	0.47
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG23	5	0.47
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG21	12	0.47
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG22	12	0.47
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG23	12	0.47
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG21	14	0.47
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG22	14	0.47
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG23	14	0.47
(1,51)	1:15:A:GLY:H	1:14:A:ASN:HA	2	0.47
(1,51)	1:15:A:GLY:H	1:14:A:ASN:HA	4	0.47
(1,51)	1:15:A:GLY:H	1:14:A:ASN:HA	5	0.47
(1,51)	1:15:A:GLY:H	1:14:A:ASN:HA	7	0.47
(1,51)	1:15:A:GLY:H	1:14:A:ASN:HA	8	0.47
(1,51)	1:15:A:GLY:H	1:14:A:ASN:HA	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,51)	1:15:A:GLY:H	1:14:A:ASN:HA	11	0.47
(1,51)	1:15:A:GLY:H	1:14:A:ASN:HA	14	0.47
(1,51)	1:15:A:GLY:H	1:14:A:ASN:HA	16	0.47
(1,33)	1:54:A:LEU:H	1:55:A:GLY:H	6	0.47
(1,11)	1:96:A:THR:H	1:95:A:HIS:H	8	0.47
(2,1881)	1:13:A:LEU:HG	1:9:A:LEU:HG	3	0.46
(2,1881)	1:13:A:LEU:HG	1:9:A:LEU:HG	8	0.46
(2,1863)	1:65:A:ARG:HD3	1:65:A:ARG:HE	1	0.46
(2,1863)	1:65:A:ARG:HD3	1:65:A:ARG:HE	7	0.46
(2,1863)	1:65:A:ARG:HD3	1:65:A:ARG:HE	10	0.46
(2,1863)	1:65:A:ARG:HD3	1:65:A:ARG:HE	12	0.46
(2,1722)	1:92:A:GLN:HG3	1:92:A:GLN:H	12	0.46
(2,1680)	1:90:A:LEU:HD21	1:51:A:PHE:HZ	13	0.46
(2,1680)	1:90:A:LEU:HD22	1:51:A:PHE:HZ	13	0.46
(2,1680)	1:90:A:LEU:HD23	1:51:A:PHE:HZ	13	0.46
(2,1641)	1:88:A:HIS:HB3	1:47:A:PRO:HB3	6	0.46
(2,1625)	1:87:A:PRO:HB2	1:88:A:HIS:H	1	0.46
(2,1625)	1:87:A:PRO:HB2	1:88:A:HIS:H	11	0.46
(2,1539)	1:98:A:LEU:HB2	1:99:A:THR:H	15	0.46
(2,1530)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	1	0.46
(2,1530)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	3	0.46
(2,1530)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	4	0.46
(2,1530)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	5	0.46
(2,1530)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	6	0.46
(2,1530)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	9	0.46
(2,1530)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	10	0.46
(2,1530)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	12	0.46
(2,1530)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	13	0.46
(2,1530)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	14	0.46
(2,1530)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	15	0.46
(2,1530)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	16	0.46
(2,1521)	1:16:A:LEU:HB2	1:21:A:GLN:HG2	8	0.46
(2,1493)	1:79:A:THR:HB	1:82:A:PHE:HB2	5	0.46
(2,1480)	1:78:A:PRO:HA	1:79:A:THR:H	5	0.46
(2,1480)	1:78:A:PRO:HA	1:79:A:THR:H	8	0.46
(2,1468)	1:74:A:LEU:HA	1:75:A:ASP:H	5	0.46
(2,1431)	1:67:A:THR:HB	1:71:A:ASN:HD21	13	0.46
(2,1429)	1:102:A:HIS:HD2	1:101:A:SER:HB2	13	0.46
(2,1423)	1:93:A:HIS:HD2	1:93:A:HIS:HB3	10	0.46
(2,1412)	1:56:A:ILE:HD11	1:33:A:THR:HB	7	0.46
(2,1412)	1:56:A:ILE:HD12	1:33:A:THR:HB	7	0.46
(2,1412)	1:56:A:ILE:HD13	1:33:A:THR:HB	7	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1408)	1:56:A:ILE:HD11	1:54:A:LEU:H	1	0.46
(2,1408)	1:56:A:ILE:HD12	1:54:A:LEU:H	1	0.46
(2,1408)	1:56:A:ILE:HD13	1:54:A:LEU:H	1	0.46
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB1	9	0.46
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB2	9	0.46
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB3	9	0.46
(2,1332)	1:94:A:LEU:HG	1:94:A:LEU:H	6	0.46
(2,1332)	1:94:A:LEU:HG	1:94:A:LEU:H	9	0.46
(2,1332)	1:94:A:LEU:HG	1:94:A:LEU:H	12	0.46
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD11	16	0.46
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD12	16	0.46
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD13	16	0.46
(2,1197)	1:60:A:THR:HG21	1:63:A:GLU:HB2	4	0.46
(2,1197)	1:60:A:THR:HG22	1:63:A:GLU:HB2	4	0.46
(2,1197)	1:60:A:THR:HG23	1:63:A:GLU:HB2	4	0.46
(2,1197)	1:60:A:THR:HG21	1:63:A:GLU:HB2	12	0.46
(2,1197)	1:60:A:THR:HG22	1:63:A:GLU:HB2	12	0.46
(2,1197)	1:60:A:THR:HG23	1:63:A:GLU:HB2	12	0.46
(2,1094)	1:56:A:ILE:HG12	1:56:A:ILE:HB	9	0.46
(2,1075)	1:54:A:LEU:HD21	1:45:A:ILE:HG13	13	0.46
(2,1075)	1:54:A:LEU:HD22	1:45:A:ILE:HG13	13	0.46
(2,1075)	1:54:A:LEU:HD23	1:45:A:ILE:HG13	13	0.46
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD1	3	0.46
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD2	3	0.46
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD1	7	0.46
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD2	7	0.46
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB1	3	0.46
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB2	3	0.46
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB3	3	0.46
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB1	6	0.46
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB2	6	0.46
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB3	6	0.46
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB1	7	0.46
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB2	7	0.46
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB3	7	0.46
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB1	10	0.46
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB2	10	0.46
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB3	10	0.46
(2,952)	1:47:A:PRO:HB3	1:48:A:ALA:HA	5	0.46
(2,715)	1:30:A:ALA:HB1	1:45:A:ILE:HB	7	0.46
(2,715)	1:30:A:ALA:HB2	1:45:A:ILE:HB	7	0.46
(2,715)	1:30:A:ALA:HB3	1:45:A:ILE:HB	7	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,715)	1:30:A:ALA:HB1	1:45:A:ILE:HB	10	0.46
(2,715)	1:30:A:ALA:HB2	1:45:A:ILE:HB	10	0.46
(2,715)	1:30:A:ALA:HB3	1:45:A:ILE:HB	10	0.46
(2,715)	1:30:A:ALA:HB1	1:45:A:ILE:HB	11	0.46
(2,715)	1:30:A:ALA:HB2	1:45:A:ILE:HB	11	0.46
(2,715)	1:30:A:ALA:HB3	1:45:A:ILE:HB	11	0.46
(2,715)	1:30:A:ALA:HB1	1:45:A:ILE:HB	14	0.46
(2,715)	1:30:A:ALA:HB2	1:45:A:ILE:HB	14	0.46
(2,715)	1:30:A:ALA:HB3	1:45:A:ILE:HB	14	0.46
(2,715)	1:30:A:ALA:HB1	1:45:A:ILE:HB	15	0.46
(2,715)	1:30:A:ALA:HB2	1:45:A:ILE:HB	15	0.46
(2,715)	1:30:A:ALA:HB3	1:45:A:ILE:HB	15	0.46
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG21	14	0.46
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG22	14	0.46
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG23	14	0.46
(2,682)	1:62:A:LEU:HD11	1:78:A:PRO:HB2	3	0.46
(2,682)	1:62:A:LEU:HD12	1:78:A:PRO:HB2	3	0.46
(2,682)	1:62:A:LEU:HD13	1:78:A:PRO:HB2	3	0.46
(2,648)	1:28:A:LEU:HD21	1:71:A:ASN:HB3	7	0.46
(2,648)	1:28:A:LEU:HD22	1:71:A:ASN:HB3	7	0.46
(2,648)	1:28:A:LEU:HD23	1:71:A:ASN:HB3	7	0.46
(2,648)	1:28:A:LEU:HD21	1:71:A:ASN:HB3	16	0.46
(2,648)	1:28:A:LEU:HD22	1:71:A:ASN:HB3	16	0.46
(2,648)	1:28:A:LEU:HD23	1:71:A:ASN:HB3	16	0.46
(2,622)	1:28:A:LEU:HB3	1:25:A:LEU:HA	1	0.46
(2,547)	1:25:A:LEU:HA	1:29:A:VAL:H	13	0.46
(2,513)	1:23:A:GLN:HG3	1:23:A:GLN:H	6	0.46
(2,508)	1:23:A:GLN:HB3	1:20:A:GLN:HA	13	0.46
(2,508)	1:23:A:GLN:HB3	1:20:A:GLN:HA	14	0.46
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB1	5	0.46
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB2	5	0.46
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB3	5	0.46
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB1	7	0.46
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB2	7	0.46
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB3	7	0.46
(2,460)	1:16:A:LEU:HD21	1:20:A:GLN:HB3	1	0.46
(2,460)	1:16:A:LEU:HD22	1:20:A:GLN:HB3	1	0.46
(2,460)	1:16:A:LEU:HD23	1:20:A:GLN:HB3	1	0.46
(2,460)	1:16:A:LEU:HD21	1:20:A:GLN:HB3	2	0.46
(2,460)	1:16:A:LEU:HD22	1:20:A:GLN:HB3	2	0.46
(2,460)	1:16:A:LEU:HD23	1:20:A:GLN:HB3	2	0.46
(2,449)	1:63:A:GLU:HB2	1:62:A:LEU:H	15	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,449)	1:63:A:GLU:HB2	1:62:A:LEU:H	16	0.46
(2,434)	1:21:A:GLN:HB3	1:21:A:GLN:HA	7	0.46
(2,434)	1:21:A:GLN:HB3	1:21:A:GLN:HA	11	0.46
(2,370)	1:17:A:SER:HB2	1:20:A:GLN:HG3	5	0.46
(2,335)	1:14:A:ASN:HB2	1:13:A:LEU:HB3	16	0.46
(2,302)	1:13:A:LEU:HB2	1:13:A:LEU:HB3	4	0.46
(2,292)	1:68:A:LEU:HB2	1:65:A:ARG:HA	12	0.46
(2,273)	1:12:A:ARG:HB3	1:12:A:ARG:HD3	14	0.46
(2,229)	1:10:A:ALA:HB1	1:14:A:ASN:HD22	2	0.46
(2,229)	1:10:A:ALA:HB2	1:14:A:ASN:HD22	2	0.46
(2,229)	1:10:A:ALA:HB3	1:14:A:ASN:HD22	2	0.46
(2,179)	1:8:A:ASP:HB2	1:8:A:ASP:H	1	0.46
(2,179)	1:8:A:ASP:HB2	1:8:A:ASP:H	8	0.46
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD11	2	0.46
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD12	2	0.46
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD13	2	0.46
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD11	2	0.46
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD12	2	0.46
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD13	2	0.46
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD11	2	0.46
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD12	2	0.46
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD13	2	0.46
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD11	6	0.46
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD12	6	0.46
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD13	6	0.46
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD11	6	0.46
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD12	6	0.46
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD13	6	0.46
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD11	6	0.46
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD12	6	0.46
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD13	6	0.46
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD11	12	0.46
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD12	12	0.46
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD13	12	0.46
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD11	12	0.46
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD12	12	0.46
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD13	12	0.46
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD11	12	0.46
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD12	12	0.46
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD13	12	0.46
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD11	14	0.46
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD12	14	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,62)	1:81:A:ILE:HD11	1:90:A:LEU:HD13	14	0.46
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD11	14	0.46
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD12	14	0.46
(2,62)	1:81:A:ILE:HD12	1:90:A:LEU:HD13	14	0.46
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD11	14	0.46
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD12	14	0.46
(2,62)	1:81:A:ILE:HD13	1:90:A:LEU:HD13	14	0.46
(1,584)	1:96:A:THR:H	1:92:A:GLN:HB2	9	0.46
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD21	2	0.46
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD22	2	0.46
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD23	2	0.46
(1,557)	1:23:A:GLN:H	1:23:A:GLN:HG3	6	0.46
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD21	4	0.46
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD22	4	0.46
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD23	4	0.46
(1,451)	1:10:A:ALA:H	1:9:A:LEU:HB3	16	0.46
(1,396)	1:7:A:THR:H	1:7:A:THR:HG21	6	0.46
(1,396)	1:7:A:THR:H	1:7:A:THR:HG22	6	0.46
(1,396)	1:7:A:THR:H	1:7:A:THR:HG23	6	0.46
(1,389)	1:65:A:ARG:HE	1:65:A:ARG:HG2	9	0.46
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG21	5	0.46
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG22	5	0.46
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG23	5	0.46
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG21	6	0.46
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG22	6	0.46
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG23	6	0.46
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG21	8	0.46
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG22	8	0.46
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG23	8	0.46
(1,349)	1:17:A:SER:H	1:20:A:GLN:HB2	9	0.46
(1,336)	1:29:A:VAL:H	1:28:A:LEU:HB2	12	0.46
(1,336)	1:29:A:VAL:H	1:28:A:LEU:HB2	13	0.46
(1,318)	1:9:A:LEU:H	1:9:A:LEU:HG	3	0.46
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD21	12	0.46
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD22	12	0.46
(1,305)	1:74:A:LEU:H	1:74:A:LEU:HD23	12	0.46
(1,262)	1:55:A:GLY:H	1:56:A:ILE:H	2	0.46
(1,262)	1:55:A:GLY:H	1:56:A:ILE:H	10	0.46
(1,262)	1:55:A:GLY:H	1:56:A:ILE:H	15	0.46
(1,262)	1:55:A:GLY:H	1:56:A:ILE:H	16	0.46
(1,208)	1:48:A:ALA:H	1:47:A:PRO:HG3	9	0.46
(1,208)	1:48:A:ALA:H	1:47:A:PRO:HG3	12	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,162)	1:46:A:SER:H	1:46:A:SER:HB3	5	0.46
(1,162)	1:46:A:SER:H	1:46:A:SER:HB3	6	0.46
(1,162)	1:46:A:SER:H	1:46:A:SER:HB3	7	0.46
(1,127)	1:69:A:THR:H	1:68:A:LEU:HB2	7	0.46
(1,40)	1:16:A:LEU:H	1:15:A:GLY:H	14	0.46
(2,1920)	1:76:A:LEU:HB2	1:76:A:LEU:H	10	0.45
(2,1898)	1:30:A:ALA:HB1	1:42:A:PRO:HB3	5	0.45
(2,1898)	1:30:A:ALA:HB2	1:42:A:PRO:HB3	5	0.45
(2,1898)	1:30:A:ALA:HB3	1:42:A:PRO:HB3	5	0.45
(2,1893)	1:90:A:LEU:HD21	1:81:A:ILE:HG12	9	0.45
(2,1893)	1:90:A:LEU:HD22	1:81:A:ILE:HG12	9	0.45
(2,1893)	1:90:A:LEU:HD23	1:81:A:ILE:HG12	9	0.45
(2,1881)	1:13:A:LEU:HG	1:9:A:LEU:HG	1	0.45
(2,1881)	1:13:A:LEU:HG	1:9:A:LEU:HG	14	0.45
(2,1868)	1:65:A:ARG:HD3	1:66:A:ASN:H	16	0.45
(2,1864)	1:65:A:ARG:HD3	1:66:A:ASN:HA	7	0.45
(2,1863)	1:65:A:ARG:HD3	1:65:A:ARG:HE	5	0.45
(2,1863)	1:65:A:ARG:HD3	1:65:A:ARG:HE	8	0.45
(2,1863)	1:65:A:ARG:HD3	1:65:A:ARG:HE	13	0.45
(2,1863)	1:65:A:ARG:HD3	1:65:A:ARG:HE	15	0.45
(2,1858)	1:25:A:LEU:HG	1:21:A:GLN:HA	14	0.45
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG21	7	0.45
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG22	7	0.45
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG23	7	0.45
(2,1697)	1:91:A:THR:HA	1:94:A:LEU:HB3	3	0.45
(2,1697)	1:91:A:THR:HA	1:94:A:LEU:HB3	10	0.45
(2,1680)	1:90:A:LEU:HD21	1:51:A:PHE:HZ	16	0.45
(2,1680)	1:90:A:LEU:HD22	1:51:A:PHE:HZ	16	0.45
(2,1680)	1:90:A:LEU:HD23	1:51:A:PHE:HZ	16	0.45
(2,1641)	1:88:A:HIS:HB3	1:47:A:PRO:HB3	4	0.45
(2,1641)	1:88:A:HIS:HB3	1:47:A:PRO:HB3	7	0.45
(2,1625)	1:87:A:PRO:HB2	1:88:A:HIS:H	4	0.45
(2,1625)	1:87:A:PRO:HB2	1:88:A:HIS:H	8	0.45
(2,1564)	1:82:A:PHE:HB3	1:82:A:PHE:HB2	1	0.45
(2,1564)	1:82:A:PHE:HB3	1:82:A:PHE:HB2	2	0.45
(2,1564)	1:82:A:PHE:HB3	1:82:A:PHE:HB2	10	0.45
(2,1530)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	2	0.45
(2,1530)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	7	0.45
(2,1530)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	11	0.45
(2,1529)	1:16:A:LEU:HB3	1:21:A:GLN:H	8	0.45
(2,1519)	1:16:A:LEU:HB2	1:21:A:GLN:HG3	5	0.45
(2,1493)	1:79:A:THR:HB	1:82:A:PHE:HB2	1	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1463)	1:73:A:GLY:HA2	1:73:A:GLY:HA3	1	0.45
(2,1463)	1:73:A:GLY:HA2	1:73:A:GLY:HA3	2	0.45
(2,1463)	1:73:A:GLY:HA2	1:73:A:GLY:HA3	3	0.45
(2,1463)	1:73:A:GLY:HA2	1:73:A:GLY:HA3	4	0.45
(2,1463)	1:73:A:GLY:HA2	1:73:A:GLY:HA3	5	0.45
(2,1463)	1:73:A:GLY:HA2	1:73:A:GLY:HA3	6	0.45
(2,1463)	1:73:A:GLY:HA2	1:73:A:GLY:HA3	7	0.45
(2,1463)	1:73:A:GLY:HA2	1:73:A:GLY:HA3	8	0.45
(2,1463)	1:73:A:GLY:HA2	1:73:A:GLY:HA3	9	0.45
(2,1463)	1:73:A:GLY:HA2	1:73:A:GLY:HA3	10	0.45
(2,1463)	1:73:A:GLY:HA2	1:73:A:GLY:HA3	11	0.45
(2,1463)	1:73:A:GLY:HA2	1:73:A:GLY:HA3	12	0.45
(2,1463)	1:73:A:GLY:HA2	1:73:A:GLY:HA3	13	0.45
(2,1463)	1:73:A:GLY:HA2	1:73:A:GLY:HA3	14	0.45
(2,1463)	1:73:A:GLY:HA2	1:73:A:GLY:HA3	15	0.45
(2,1463)	1:73:A:GLY:HA2	1:73:A:GLY:HA3	16	0.45
(2,1433)	1:71:A:ASN:HA	1:70:A:HIS:HD2	14	0.45
(2,1398)	1:45:A:ILE:HD11	1:39:A:HIS:HB2	5	0.45
(2,1398)	1:45:A:ILE:HD12	1:39:A:HIS:HB2	5	0.45
(2,1398)	1:45:A:ILE:HD13	1:39:A:HIS:HB2	5	0.45
(2,1386)	1:81:A:ILE:HG13	1:81:A:ILE:HG12	1	0.45
(2,1386)	1:81:A:ILE:HG13	1:81:A:ILE:HG12	2	0.45
(2,1386)	1:81:A:ILE:HG13	1:81:A:ILE:HG12	3	0.45
(2,1386)	1:81:A:ILE:HG13	1:81:A:ILE:HG12	4	0.45
(2,1386)	1:81:A:ILE:HG13	1:81:A:ILE:HG12	5	0.45
(2,1386)	1:81:A:ILE:HG13	1:81:A:ILE:HG12	6	0.45
(2,1386)	1:81:A:ILE:HG13	1:81:A:ILE:HG12	7	0.45
(2,1386)	1:81:A:ILE:HG13	1:81:A:ILE:HG12	8	0.45
(2,1386)	1:81:A:ILE:HG13	1:81:A:ILE:HG12	10	0.45
(2,1386)	1:81:A:ILE:HG13	1:81:A:ILE:HG12	11	0.45
(2,1386)	1:81:A:ILE:HG13	1:81:A:ILE:HG12	12	0.45
(2,1386)	1:81:A:ILE:HG13	1:81:A:ILE:HG12	13	0.45
(2,1386)	1:81:A:ILE:HG13	1:81:A:ILE:HG12	14	0.45
(2,1386)	1:81:A:ILE:HG13	1:81:A:ILE:HG12	16	0.45
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG21	9	0.45
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG22	9	0.45
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG23	9	0.45
(2,1332)	1:94:A:LEU:HG	1:94:A:LEU:H	5	0.45
(2,1332)	1:94:A:LEU:HG	1:94:A:LEU:H	7	0.45
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD11	15	0.45
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD12	15	0.45
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD13	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1294)	1:66:A:ASN:HB2	1:66:A:ASN:HB3	1	0.45
(2,1294)	1:66:A:ASN:HB2	1:66:A:ASN:HB3	2	0.45
(2,1294)	1:66:A:ASN:HB2	1:66:A:ASN:HB3	3	0.45
(2,1294)	1:66:A:ASN:HB2	1:66:A:ASN:HB3	4	0.45
(2,1294)	1:66:A:ASN:HB2	1:66:A:ASN:HB3	5	0.45
(2,1294)	1:66:A:ASN:HB2	1:66:A:ASN:HB3	7	0.45
(2,1294)	1:66:A:ASN:HB2	1:66:A:ASN:HB3	8	0.45
(2,1294)	1:66:A:ASN:HB2	1:66:A:ASN:HB3	10	0.45
(2,1294)	1:66:A:ASN:HB2	1:66:A:ASN:HB3	14	0.45
(2,1294)	1:66:A:ASN:HB2	1:66:A:ASN:HB3	16	0.45
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD21	5	0.45
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD22	5	0.45
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD23	5	0.45
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD21	9	0.45
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD22	9	0.45
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD23	9	0.45
(2,1094)	1:56:A:ILE:HG12	1:56:A:ILE:HB	1	0.45
(2,1094)	1:56:A:ILE:HG12	1:56:A:ILE:HB	4	0.45
(2,1075)	1:54:A:LEU:HD21	1:45:A:ILE:HG13	15	0.45
(2,1075)	1:54:A:LEU:HD22	1:45:A:ILE:HG13	15	0.45
(2,1075)	1:54:A:LEU:HD23	1:45:A:ILE:HG13	15	0.45
(2,1075)	1:54:A:LEU:HD21	1:45:A:ILE:HG13	16	0.45
(2,1075)	1:54:A:LEU:HD22	1:45:A:ILE:HG13	16	0.45
(2,1075)	1:54:A:LEU:HD23	1:45:A:ILE:HG13	16	0.45
(2,1011)	1:75:A:ASP:HA	1:74:A:LEU:HG	7	0.45
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD1	6	0.45
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD2	6	0.45
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD1	9	0.45
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD2	9	0.45
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD1	10	0.45
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD2	10	0.45
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB1	14	0.45
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB2	14	0.45
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB3	14	0.45
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB1	16	0.45
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB2	16	0.45
(2,968)	1:47:A:PRO:HG2	1:48:A:ALA:HB3	16	0.45
(2,952)	1:47:A:PRO:HB3	1:48:A:ALA:HA	7	0.45
(2,932)	1:45:A:ILE:HG13	1:42:A:PRO:HA	16	0.45
(2,923)	1:101:A:SER:HB2	1:102:A:HIS:H	6	0.45
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG21	2	0.45
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG22	2	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG23	2	0.45
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG21	14	0.45
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG22	14	0.45
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG23	14	0.45
(2,865)	1:38:A:GLY:HA2	1:38:A:GLY:HA3	4	0.45
(2,865)	1:38:A:GLY:HA2	1:38:A:GLY:HA3	7	0.45
(2,865)	1:38:A:GLY:HA2	1:38:A:GLY:HA3	9	0.45
(2,865)	1:38:A:GLY:HA2	1:38:A:GLY:HA3	12	0.45
(2,865)	1:38:A:GLY:HA2	1:38:A:GLY:HA3	13	0.45
(2,865)	1:38:A:GLY:HA2	1:38:A:GLY:HA3	14	0.45
(2,818)	1:36:A:VAL:HG11	1:63:A:GLU:HB2	10	0.45
(2,818)	1:36:A:VAL:HG12	1:63:A:GLU:HB2	10	0.45
(2,818)	1:36:A:VAL:HG13	1:63:A:GLU:HB2	10	0.45
(2,818)	1:36:A:VAL:HG11	1:63:A:GLU:HB2	12	0.45
(2,818)	1:36:A:VAL:HG12	1:63:A:GLU:HB2	12	0.45
(2,818)	1:36:A:VAL:HG13	1:63:A:GLU:HB2	12	0.45
(2,745)	1:33:A:THR:HA	1:30:A:ALA:HA	4	0.45
(2,715)	1:30:A:ALA:HB1	1:45:A:ILE:HB	1	0.45
(2,715)	1:30:A:ALA:HB2	1:45:A:ILE:HB	1	0.45
(2,715)	1:30:A:ALA:HB3	1:45:A:ILE:HB	1	0.45
(2,715)	1:30:A:ALA:HB1	1:45:A:ILE:HB	2	0.45
(2,715)	1:30:A:ALA:HB2	1:45:A:ILE:HB	2	0.45
(2,715)	1:30:A:ALA:HB3	1:45:A:ILE:HB	2	0.45
(2,715)	1:30:A:ALA:HB1	1:45:A:ILE:HB	12	0.45
(2,715)	1:30:A:ALA:HB2	1:45:A:ILE:HB	12	0.45
(2,715)	1:30:A:ALA:HB3	1:45:A:ILE:HB	12	0.45
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG21	4	0.45
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG22	4	0.45
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG23	4	0.45
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG21	13	0.45
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG22	13	0.45
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG23	13	0.45
(2,648)	1:28:A:LEU:HD21	1:71:A:ASN:HB3	10	0.45
(2,648)	1:28:A:LEU:HD22	1:71:A:ASN:HB3	10	0.45
(2,648)	1:28:A:LEU:HD23	1:71:A:ASN:HB3	10	0.45
(2,547)	1:25:A:LEU:HA	1:29:A:VAL:H	6	0.45
(2,547)	1:25:A:LEU:HA	1:29:A:VAL:H	14	0.45
(2,547)	1:25:A:LEU:HA	1:29:A:VAL:H	15	0.45
(2,547)	1:25:A:LEU:HA	1:29:A:VAL:H	16	0.45
(2,513)	1:23:A:GLN:HG3	1:23:A:GLN:H	14	0.45
(2,508)	1:23:A:GLN:HB3	1:20:A:GLN:HA	4	0.45
(2,494)	1:22:A:GLN:HG2	1:23:A:GLN:H	11	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,487)	1:22:A:GLN:HG3	1:95:A:HIS:HB2	10	0.45
(2,412)	1:19:A:GLN:HB2	1:19:A:GLN:H	14	0.45
(2,370)	1:17:A:SER:HB2	1:20:A:GLN:HG3	4	0.45
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD21	10	0.45
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD22	10	0.45
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD23	10	0.45
(2,337)	1:11:A:ALA:HA	1:14:A:ASN:HB2	7	0.45
(2,335)	1:14:A:ASN:HB2	1:13:A:LEU:HB3	6	0.45
(2,302)	1:13:A:LEU:HB2	1:13:A:LEU:HB3	1	0.45
(2,302)	1:13:A:LEU:HB2	1:13:A:LEU:HB3	2	0.45
(2,302)	1:13:A:LEU:HB2	1:13:A:LEU:HB3	3	0.45
(2,302)	1:13:A:LEU:HB2	1:13:A:LEU:HB3	5	0.45
(2,302)	1:13:A:LEU:HB2	1:13:A:LEU:HB3	6	0.45
(2,302)	1:13:A:LEU:HB2	1:13:A:LEU:HB3	7	0.45
(2,302)	1:13:A:LEU:HB2	1:13:A:LEU:HB3	8	0.45
(2,302)	1:13:A:LEU:HB2	1:13:A:LEU:HB3	9	0.45
(2,302)	1:13:A:LEU:HB2	1:13:A:LEU:HB3	10	0.45
(2,302)	1:13:A:LEU:HB2	1:13:A:LEU:HB3	11	0.45
(2,302)	1:13:A:LEU:HB2	1:13:A:LEU:HB3	12	0.45
(2,302)	1:13:A:LEU:HB2	1:13:A:LEU:HB3	13	0.45
(2,302)	1:13:A:LEU:HB2	1:13:A:LEU:HB3	14	0.45
(2,302)	1:13:A:LEU:HB2	1:13:A:LEU:HB3	15	0.45
(2,302)	1:13:A:LEU:HB2	1:13:A:LEU:HB3	16	0.45
(2,295)	1:59:A:LEU:HB2	1:60:A:THR:H	10	0.45
(2,199)	1:9:A:LEU:HB3	1:9:A:LEU:HB2	1	0.45
(2,199)	1:9:A:LEU:HB3	1:9:A:LEU:HB2	2	0.45
(2,199)	1:9:A:LEU:HB3	1:9:A:LEU:HB2	3	0.45
(2,199)	1:9:A:LEU:HB3	1:9:A:LEU:HB2	4	0.45
(2,199)	1:9:A:LEU:HB3	1:9:A:LEU:HB2	5	0.45
(2,199)	1:9:A:LEU:HB3	1:9:A:LEU:HB2	6	0.45
(2,199)	1:9:A:LEU:HB3	1:9:A:LEU:HB2	7	0.45
(2,199)	1:9:A:LEU:HB3	1:9:A:LEU:HB2	8	0.45
(2,199)	1:9:A:LEU:HB3	1:9:A:LEU:HB2	9	0.45
(2,199)	1:9:A:LEU:HB3	1:9:A:LEU:HB2	10	0.45
(2,199)	1:9:A:LEU:HB3	1:9:A:LEU:HB2	11	0.45
(2,199)	1:9:A:LEU:HB3	1:9:A:LEU:HB2	12	0.45
(2,199)	1:9:A:LEU:HB3	1:9:A:LEU:HB2	13	0.45
(2,199)	1:9:A:LEU:HB3	1:9:A:LEU:HB2	14	0.45
(2,199)	1:9:A:LEU:HB3	1:9:A:LEU:HB2	15	0.45
(2,199)	1:9:A:LEU:HB3	1:9:A:LEU:HB2	16	0.45
(2,179)	1:8:A:ASP:HB2	1:8:A:ASP:H	3	0.45
(2,179)	1:8:A:ASP:HB2	1:8:A:ASP:H	10	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,179)	1:8:A:ASP:HB2	1:8:A:ASP:H	14	0.45
(2,114)	1:6:A:ALA:HB1	1:7:A:THR:H	15	0.45
(2,114)	1:6:A:ALA:HB2	1:7:A:THR:H	15	0.45
(2,114)	1:6:A:ALA:HB3	1:7:A:THR:H	15	0.45
(2,96)	1:4:A:SER:HB3	1:7:A:THR:HB	3	0.45
(2,73)	1:81:A:ILE:HD11	1:51:A:PHE:HA	1	0.45
(2,73)	1:81:A:ILE:HD12	1:51:A:PHE:HA	1	0.45
(2,73)	1:81:A:ILE:HD13	1:51:A:PHE:HA	1	0.45
(2,65)	1:81:A:ILE:HD11	1:56:A:ILE:HG12	9	0.45
(2,65)	1:81:A:ILE:HD12	1:56:A:ILE:HG12	9	0.45
(2,65)	1:81:A:ILE:HD13	1:56:A:ILE:HG12	9	0.45
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD11	9	0.45
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD12	9	0.45
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD13	9	0.45
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD11	9	0.45
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD12	9	0.45
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD13	9	0.45
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD11	9	0.45
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD12	9	0.45
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD13	9	0.45
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG21	7	0.45
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG22	7	0.45
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG23	7	0.45
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG21	7	0.45
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG22	7	0.45
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG23	7	0.45
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD1	15	0.45
(2,40)	1:79:A:THR:HA	1:82:A:PHE:HD2	15	0.45
(2,6)	1:9:A:LEU:HD11	1:10:A:ALA:H	15	0.45
(2,6)	1:9:A:LEU:HD12	1:10:A:ALA:H	15	0.45
(2,6)	1:9:A:LEU:HD13	1:10:A:ALA:H	15	0.45
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD21	10	0.45
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD22	10	0.45
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD23	10	0.45
(1,557)	1:23:A:GLN:H	1:23:A:GLN:HG3	14	0.45
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD21	3	0.45
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD22	3	0.45
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD23	3	0.45
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD21	16	0.45
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD22	16	0.45
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD23	16	0.45
(1,527)	1:93:A:HIS:H	1:92:A:GLN:HB3	4	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,527)	1:93:A:HIS:H	1:92:A:GLN:HB3	8	0.45
(1,451)	1:10:A:ALA:H	1:9:A:LEU:HB3	6	0.45
(1,409)	1:4:A:SER:H	1:4:A:SER:HB2	12	0.45
(1,396)	1:7:A:THR:H	1:7:A:THR:HG21	4	0.45
(1,396)	1:7:A:THR:H	1:7:A:THR:HG22	4	0.45
(1,396)	1:7:A:THR:H	1:7:A:THR:HG23	4	0.45
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG21	4	0.45
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG22	4	0.45
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG23	4	0.45
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG21	11	0.45
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG22	11	0.45
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG23	11	0.45
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG21	15	0.45
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG22	15	0.45
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG23	15	0.45
(1,349)	1:17:A:SER:H	1:20:A:GLN:HB2	12	0.45
(1,349)	1:17:A:SER:H	1:20:A:GLN:HB2	14	0.45
(1,336)	1:29:A:VAL:H	1:28:A:LEU:HB2	3	0.45
(1,336)	1:29:A:VAL:H	1:28:A:LEU:HB2	5	0.45
(1,336)	1:29:A:VAL:H	1:28:A:LEU:HB2	6	0.45
(1,336)	1:29:A:VAL:H	1:28:A:LEU:HB2	9	0.45
(1,336)	1:29:A:VAL:H	1:28:A:LEU:HB2	11	0.45
(1,329)	1:64:A:LEU:H	1:63:A:GLU:HB2	14	0.45
(1,286)	1:14:A:ASN:H	1:13:A:LEU:HB2	8	0.45
(1,286)	1:14:A:ASN:H	1:13:A:LEU:HB2	10	0.45
(1,286)	1:14:A:ASN:H	1:13:A:LEU:HB2	13	0.45
(1,270)	1:81:A:ILE:H	1:81:A:ILE:HG12	3	0.45
(1,270)	1:81:A:ILE:H	1:81:A:ILE:HG12	6	0.45
(1,262)	1:55:A:GLY:H	1:56:A:ILE:H	4	0.45
(1,262)	1:55:A:GLY:H	1:56:A:ILE:H	5	0.45
(1,262)	1:55:A:GLY:H	1:56:A:ILE:H	6	0.45
(1,208)	1:48:A:ALA:H	1:47:A:PRO:HG3	5	0.45
(1,162)	1:46:A:SER:H	1:46:A:SER:HB3	16	0.45
(1,143)	1:49:A:THR:H	1:50:A:ALA:H	9	0.45
(1,113)	1:88:A:HIS:H	1:87:A:PRO:HD2	2	0.45
(1,113)	1:88:A:HIS:H	1:87:A:PRO:HD2	10	0.45
(1,113)	1:88:A:HIS:H	1:87:A:PRO:HD2	15	0.45
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG21	15	0.45
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG22	15	0.45
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG23	15	0.45
(1,51)	1:15:A:GLY:H	1:14:A:ASN:HA	13	0.45
(1,40)	1:16:A:LEU:H	1:15:A:GLY:H	4	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB1	2	0.44
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB2	2	0.44
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB3	2	0.44
(2,1881)	1:13:A:LEU:HG	1:9:A:LEU:HG	15	0.44
(2,1765)	1:97:A:ARG:HD3	1:97:A:ARG:HA	11	0.44
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG21	4	0.44
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG22	4	0.44
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG23	4	0.44
(2,1729)	1:93:A:HIS:HA	1:90:A:LEU:HA	10	0.44
(2,1654)	1:89:A:ALA:HB1	1:86:A:THR:H	8	0.44
(2,1654)	1:89:A:ALA:HB2	1:86:A:THR:H	8	0.44
(2,1654)	1:89:A:ALA:HB3	1:86:A:THR:H	8	0.44
(2,1654)	1:89:A:ALA:HB1	1:86:A:THR:H	9	0.44
(2,1654)	1:89:A:ALA:HB2	1:86:A:THR:H	9	0.44
(2,1654)	1:89:A:ALA:HB3	1:86:A:THR:H	9	0.44
(2,1641)	1:88:A:HIS:HB3	1:47:A:PRO:HB3	2	0.44
(2,1641)	1:88:A:HIS:HB3	1:47:A:PRO:HB3	9	0.44
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD21	11	0.44
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD22	11	0.44
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD23	11	0.44
(2,1625)	1:87:A:PRO:HB2	1:88:A:HIS:H	16	0.44
(2,1564)	1:82:A:PHE:HB3	1:82:A:PHE:HB2	3	0.44
(2,1564)	1:82:A:PHE:HB3	1:82:A:PHE:HB2	4	0.44
(2,1564)	1:82:A:PHE:HB3	1:82:A:PHE:HB2	5	0.44
(2,1564)	1:82:A:PHE:HB3	1:82:A:PHE:HB2	6	0.44
(2,1564)	1:82:A:PHE:HB3	1:82:A:PHE:HB2	7	0.44
(2,1564)	1:82:A:PHE:HB3	1:82:A:PHE:HB2	8	0.44
(2,1564)	1:82:A:PHE:HB3	1:82:A:PHE:HB2	9	0.44
(2,1564)	1:82:A:PHE:HB3	1:82:A:PHE:HB2	11	0.44
(2,1564)	1:82:A:PHE:HB3	1:82:A:PHE:HB2	12	0.44
(2,1564)	1:82:A:PHE:HB3	1:82:A:PHE:HB2	13	0.44
(2,1564)	1:82:A:PHE:HB3	1:82:A:PHE:HB2	14	0.44
(2,1564)	1:82:A:PHE:HB3	1:82:A:PHE:HB2	15	0.44
(2,1564)	1:82:A:PHE:HB3	1:82:A:PHE:HB2	16	0.44
(2,1539)	1:98:A:LEU:HB2	1:99:A:THR:H	4	0.44
(2,1530)	1:98:A:LEU:HB2	1:98:A:LEU:HB3	8	0.44
(2,1521)	1:16:A:LEU:HB2	1:21:A:GLN:HG2	5	0.44
(2,1493)	1:79:A:THR:HB	1:82:A:PHE:HB2	2	0.44
(2,1493)	1:79:A:THR:HB	1:82:A:PHE:HB2	6	0.44
(2,1431)	1:67:A:THR:HB	1:71:A:ASN:HD21	11	0.44
(2,1408)	1:56:A:ILE:HD11	1:54:A:LEU:H	8	0.44
(2,1408)	1:56:A:ILE:HD12	1:54:A:LEU:H	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1408)	1:56:A:ILE:HD13	1:54:A:LEU:H	8	0.44
(2,1402)	1:45:A:ILE:HD11	1:44:A:SER:HB3	5	0.44
(2,1402)	1:45:A:ILE:HD12	1:44:A:SER:HB3	5	0.44
(2,1402)	1:45:A:ILE:HD13	1:44:A:SER:HB3	5	0.44
(2,1386)	1:81:A:ILE:HG13	1:81:A:ILE:HG12	9	0.44
(2,1386)	1:81:A:ILE:HG13	1:81:A:ILE:HG12	15	0.44
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB1	15	0.44
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB2	15	0.44
(2,1385)	1:81:A:ILE:HG12	1:61:A:ALA:HB3	15	0.44
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG21	8	0.44
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG22	8	0.44
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG23	8	0.44
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD21	13	0.44
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD22	13	0.44
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD23	13	0.44
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD21	10	0.44
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD22	10	0.44
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD23	10	0.44
(2,1294)	1:66:A:ASN:HB2	1:66:A:ASN:HB3	6	0.44
(2,1294)	1:66:A:ASN:HB2	1:66:A:ASN:HB3	9	0.44
(2,1294)	1:66:A:ASN:HB2	1:66:A:ASN:HB3	11	0.44
(2,1294)	1:66:A:ASN:HB2	1:66:A:ASN:HB3	12	0.44
(2,1294)	1:66:A:ASN:HB2	1:66:A:ASN:HB3	13	0.44
(2,1294)	1:66:A:ASN:HB2	1:66:A:ASN:HB3	15	0.44
(2,1197)	1:60:A:THR:HG21	1:63:A:GLU:HB2	7	0.44
(2,1197)	1:60:A:THR:HG22	1:63:A:GLU:HB2	7	0.44
(2,1197)	1:60:A:THR:HG23	1:63:A:GLU:HB2	7	0.44
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD21	2	0.44
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD22	2	0.44
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD23	2	0.44
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD21	11	0.44
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD22	11	0.44
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD23	11	0.44
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD21	13	0.44
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD22	13	0.44
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD23	13	0.44
(2,1103)	1:81:A:ILE:HG21	1:51:A:PHE:HB3	9	0.44
(2,1103)	1:81:A:ILE:HG22	1:51:A:PHE:HB3	9	0.44
(2,1103)	1:81:A:ILE:HG23	1:51:A:PHE:HB3	9	0.44
(2,1094)	1:56:A:ILE:HG12	1:56:A:ILE:HB	5	0.44
(2,1094)	1:56:A:ILE:HG12	1:56:A:ILE:HB	7	0.44
(2,1094)	1:56:A:ILE:HG12	1:56:A:ILE:HB	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1094)	1:56:A:ILE:HG12	1:56:A:ILE:HB	11	0.44
(2,1094)	1:56:A:ILE:HG12	1:56:A:ILE:HB	13	0.44
(2,1094)	1:56:A:ILE:HG12	1:56:A:ILE:HB	15	0.44
(2,1094)	1:56:A:ILE:HG12	1:56:A:ILE:HB	16	0.44
(2,1044)	1:52:A:LYS:HB2	1:52:A:LYS:HE2	10	0.44
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD1	2	0.44
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD2	2	0.44
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD1	14	0.44
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD2	14	0.44
(2,932)	1:45:A:ILE:HG13	1:42:A:PRO:HA	13	0.44
(2,865)	1:38:A:GLY:HA2	1:38:A:GLY:HA3	1	0.44
(2,865)	1:38:A:GLY:HA2	1:38:A:GLY:HA3	2	0.44
(2,865)	1:38:A:GLY:HA2	1:38:A:GLY:HA3	3	0.44
(2,865)	1:38:A:GLY:HA2	1:38:A:GLY:HA3	5	0.44
(2,865)	1:38:A:GLY:HA2	1:38:A:GLY:HA3	6	0.44
(2,865)	1:38:A:GLY:HA2	1:38:A:GLY:HA3	8	0.44
(2,865)	1:38:A:GLY:HA2	1:38:A:GLY:HA3	10	0.44
(2,865)	1:38:A:GLY:HA2	1:38:A:GLY:HA3	11	0.44
(2,865)	1:38:A:GLY:HA2	1:38:A:GLY:HA3	15	0.44
(2,865)	1:38:A:GLY:HA2	1:38:A:GLY:HA3	16	0.44
(2,827)	1:36:A:VAL:HG11	1:64:A:LEU:H	8	0.44
(2,827)	1:36:A:VAL:HG12	1:64:A:LEU:H	8	0.44
(2,827)	1:36:A:VAL:HG13	1:64:A:LEU:H	8	0.44
(2,715)	1:30:A:ALA:HB1	1:45:A:ILE:HB	5	0.44
(2,715)	1:30:A:ALA:HB2	1:45:A:ILE:HB	5	0.44
(2,715)	1:30:A:ALA:HB3	1:45:A:ILE:HB	5	0.44
(2,715)	1:30:A:ALA:HB1	1:45:A:ILE:HB	9	0.44
(2,715)	1:30:A:ALA:HB2	1:45:A:ILE:HB	9	0.44
(2,715)	1:30:A:ALA:HB3	1:45:A:ILE:HB	9	0.44
(2,715)	1:30:A:ALA:HB1	1:45:A:ILE:HB	16	0.44
(2,715)	1:30:A:ALA:HB2	1:45:A:ILE:HB	16	0.44
(2,715)	1:30:A:ALA:HB3	1:45:A:ILE:HB	16	0.44
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG21	2	0.44
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG22	2	0.44
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG23	2	0.44
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG21	5	0.44
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG22	5	0.44
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG23	5	0.44
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG21	10	0.44
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG22	10	0.44
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG23	10	0.44
(2,648)	1:28:A:LEU:HD21	1:71:A:ASN:HB3	2	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,648)	1:28:A:LEU:HD22	1:71:A:ASN:HB3	2	0.44
(2,648)	1:28:A:LEU:HD23	1:71:A:ASN:HB3	2	0.44
(2,648)	1:28:A:LEU:HD21	1:71:A:ASN:HB3	4	0.44
(2,648)	1:28:A:LEU:HD22	1:71:A:ASN:HB3	4	0.44
(2,648)	1:28:A:LEU:HD23	1:71:A:ASN:HB3	4	0.44
(2,638)	1:45:A:ILE:HG12	1:45:A:ILE:HG13	1	0.44
(2,638)	1:45:A:ILE:HG12	1:45:A:ILE:HG13	2	0.44
(2,638)	1:45:A:ILE:HG12	1:45:A:ILE:HG13	3	0.44
(2,638)	1:45:A:ILE:HG12	1:45:A:ILE:HG13	4	0.44
(2,638)	1:45:A:ILE:HG12	1:45:A:ILE:HG13	5	0.44
(2,638)	1:45:A:ILE:HG12	1:45:A:ILE:HG13	6	0.44
(2,638)	1:45:A:ILE:HG12	1:45:A:ILE:HG13	7	0.44
(2,638)	1:45:A:ILE:HG12	1:45:A:ILE:HG13	8	0.44
(2,638)	1:45:A:ILE:HG12	1:45:A:ILE:HG13	9	0.44
(2,638)	1:45:A:ILE:HG12	1:45:A:ILE:HG13	10	0.44
(2,638)	1:45:A:ILE:HG12	1:45:A:ILE:HG13	11	0.44
(2,638)	1:45:A:ILE:HG12	1:45:A:ILE:HG13	12	0.44
(2,638)	1:45:A:ILE:HG12	1:45:A:ILE:HG13	13	0.44
(2,638)	1:45:A:ILE:HG12	1:45:A:ILE:HG13	14	0.44
(2,638)	1:45:A:ILE:HG12	1:45:A:ILE:HG13	15	0.44
(2,638)	1:45:A:ILE:HG12	1:45:A:ILE:HG13	16	0.44
(2,508)	1:23:A:GLN:HB3	1:20:A:GLN:HA	8	0.44
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB1	1	0.44
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB2	1	0.44
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB3	1	0.44
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB1	2	0.44
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB2	2	0.44
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB3	2	0.44
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB1	4	0.44
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB2	4	0.44
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB3	4	0.44
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB1	8	0.44
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB2	8	0.44
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB3	8	0.44
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB1	13	0.44
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB2	13	0.44
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB3	13	0.44
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB1	15	0.44
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB2	15	0.44
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB3	15	0.44
(2,471)	1:22:A:GLN:HA	1:25:A:LEU:HB3	5	0.44
(2,460)	1:16:A:LEU:HD21	1:20:A:GLN:HB3	11	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,460)	1:16:A:LEU:HD22	1:20:A:GLN:HB3	11	0.44
(2,460)	1:16:A:LEU:HD23	1:20:A:GLN:HB3	11	0.44
(2,418)	1:21:A:GLN:HB2	1:22:A:GLN:H	11	0.44
(2,414)	1:9:A:LEU:HA	1:8:A:ASP:HB2	13	0.44
(2,412)	1:19:A:GLN:HB2	1:19:A:GLN:H	8	0.44
(2,412)	1:19:A:GLN:HB2	1:19:A:GLN:H	11	0.44
(2,382)	1:18:A:PRO:HG2	1:18:A:PRO:HG3	6	0.44
(2,382)	1:18:A:PRO:HG2	1:18:A:PRO:HG3	11	0.44
(2,368)	1:17:A:SER:HB3	1:18:A:PRO:HB3	6	0.44
(2,368)	1:17:A:SER:HB3	1:18:A:PRO:HB3	11	0.44
(2,364)	1:17:A:SER:HB2	1:17:A:SER:H	8	0.44
(2,364)	1:17:A:SER:HB2	1:17:A:SER:H	14	0.44
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD21	9	0.44
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD22	9	0.44
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD23	9	0.44
(2,295)	1:59:A:LEU:HB2	1:60:A:THR:H	14	0.44
(2,273)	1:12:A:ARG:HB3	1:12:A:ARG:HD3	3	0.44
(2,179)	1:8:A:ASP:HB2	1:8:A:ASP:H	16	0.44
(2,96)	1:4:A:SER:HB3	1:7:A:THR:HB	8	0.44
(2,73)	1:81:A:ILE:HD11	1:51:A:PHE:HA	9	0.44
(2,73)	1:81:A:ILE:HD12	1:51:A:PHE:HA	9	0.44
(2,73)	1:81:A:ILE:HD13	1:51:A:PHE:HA	9	0.44
(2,73)	1:81:A:ILE:HD11	1:51:A:PHE:HA	10	0.44
(2,73)	1:81:A:ILE:HD12	1:51:A:PHE:HA	10	0.44
(2,73)	1:81:A:ILE:HD13	1:51:A:PHE:HA	10	0.44
(2,73)	1:81:A:ILE:HD11	1:51:A:PHE:HA	13	0.44
(2,73)	1:81:A:ILE:HD12	1:51:A:PHE:HA	13	0.44
(2,73)	1:81:A:ILE:HD13	1:51:A:PHE:HA	13	0.44
(2,73)	1:81:A:ILE:HD11	1:51:A:PHE:HA	15	0.44
(2,73)	1:81:A:ILE:HD12	1:51:A:PHE:HA	15	0.44
(2,73)	1:81:A:ILE:HD13	1:51:A:PHE:HA	15	0.44
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG21	1	0.44
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG22	1	0.44
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG23	1	0.44
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG21	1	0.44
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG22	1	0.44
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG23	1	0.44
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG21	11	0.44
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG22	11	0.44
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG23	11	0.44
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG21	11	0.44
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG22	11	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG23	11	0.44
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG21	15	0.44
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG22	15	0.44
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG23	15	0.44
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG21	15	0.44
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG22	15	0.44
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG23	15	0.44
(2,41)	1:82:A:PHE:HD1	1:82:A:PHE:HB3	4	0.44
(2,41)	1:82:A:PHE:HD2	1:82:A:PHE:HB3	4	0.44
(2,41)	1:82:A:PHE:HD1	1:82:A:PHE:HB3	10	0.44
(2,41)	1:82:A:PHE:HD2	1:82:A:PHE:HB3	10	0.44
(2,41)	1:82:A:PHE:HD1	1:82:A:PHE:HB3	12	0.44
(2,41)	1:82:A:PHE:HD2	1:82:A:PHE:HB3	12	0.44
(1,527)	1:93:A:HIS:H	1:92:A:GLN:HB3	7	0.44
(1,479)	1:68:A:LEU:H	1:68:A:LEU:HG	15	0.44
(1,451)	1:10:A:ALA:H	1:9:A:LEU:HB3	3	0.44
(1,451)	1:10:A:ALA:H	1:9:A:LEU:HB3	8	0.44
(1,451)	1:10:A:ALA:H	1:9:A:LEU:HB3	10	0.44
(1,451)	1:10:A:ALA:H	1:9:A:LEU:HB3	11	0.44
(1,451)	1:10:A:ALA:H	1:9:A:LEU:HB3	12	0.44
(1,409)	1:4:A:SER:H	1:4:A:SER:HB2	13	0.44
(1,396)	1:7:A:THR:H	1:7:A:THR:HG21	2	0.44
(1,396)	1:7:A:THR:H	1:7:A:THR:HG22	2	0.44
(1,396)	1:7:A:THR:H	1:7:A:THR:HG23	2	0.44
(1,390)	1:65:A:ARG:HE	1:65:A:ARG:HD3	9	0.44
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG21	13	0.44
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG22	13	0.44
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG23	13	0.44
(1,336)	1:29:A:VAL:H	1:28:A:LEU:HB2	1	0.44
(1,336)	1:29:A:VAL:H	1:28:A:LEU:HB2	7	0.44
(1,336)	1:29:A:VAL:H	1:28:A:LEU:HB2	8	0.44
(1,336)	1:29:A:VAL:H	1:28:A:LEU:HB2	10	0.44
(1,336)	1:29:A:VAL:H	1:28:A:LEU:HB2	14	0.44
(1,329)	1:64:A:LEU:H	1:63:A:GLU:HB2	4	0.44
(1,329)	1:64:A:LEU:H	1:63:A:GLU:HB2	6	0.44
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD21	15	0.44
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD22	15	0.44
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD23	15	0.44
(1,286)	1:14:A:ASN:H	1:13:A:LEU:HB2	3	0.44
(1,262)	1:55:A:GLY:H	1:56:A:ILE:H	12	0.44
(1,262)	1:55:A:GLY:H	1:56:A:ILE:H	14	0.44
(1,162)	1:46:A:SER:H	1:46:A:SER:HB3	2	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,143)	1:49:A:THR:H	1:50:A:ALA:H	1	0.44
(1,113)	1:88:A:HIS:H	1:87:A:PRO:HD2	1	0.44
(1,113)	1:88:A:HIS:H	1:87:A:PRO:HD2	3	0.44
(1,113)	1:88:A:HIS:H	1:87:A:PRO:HD2	12	0.44
(1,82)	1:86:A:THR:H	1:84:A:HIS:HB2	9	0.44
(1,40)	1:16:A:LEU:H	1:15:A:GLY:H	10	0.44
(1,17)	1:100:A:GLN:H	1:99:A:THR:H	8	0.44
(1,11)	1:96:A:THR:H	1:95:A:HIS:H	4	0.44
(1,11)	1:96:A:THR:H	1:95:A:HIS:H	11	0.44
(2,1858)	1:25:A:LEU:HG	1:21:A:GLN:HA	4	0.43
(2,1827)	1:9:A:LEU:HD21	1:9:A:LEU:HA	3	0.43
(2,1827)	1:9:A:LEU:HD22	1:9:A:LEU:HA	3	0.43
(2,1827)	1:9:A:LEU:HD23	1:9:A:LEU:HA	3	0.43
(2,1827)	1:9:A:LEU:HD21	1:9:A:LEU:HA	4	0.43
(2,1827)	1:9:A:LEU:HD22	1:9:A:LEU:HA	4	0.43
(2,1827)	1:9:A:LEU:HD23	1:9:A:LEU:HA	4	0.43
(2,1827)	1:9:A:LEU:HD21	1:9:A:LEU:HA	15	0.43
(2,1827)	1:9:A:LEU:HD22	1:9:A:LEU:HA	15	0.43
(2,1827)	1:9:A:LEU:HD23	1:9:A:LEU:HA	15	0.43
(2,1827)	1:9:A:LEU:HD21	1:9:A:LEU:HA	16	0.43
(2,1827)	1:9:A:LEU:HD22	1:9:A:LEU:HA	16	0.43
(2,1827)	1:9:A:LEU:HD23	1:9:A:LEU:HA	16	0.43
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG21	11	0.43
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG22	11	0.43
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG23	11	0.43
(2,1680)	1:90:A:LEU:HD21	1:51:A:PHE:HZ	2	0.43
(2,1680)	1:90:A:LEU:HD22	1:51:A:PHE:HZ	2	0.43
(2,1680)	1:90:A:LEU:HD23	1:51:A:PHE:HZ	2	0.43
(2,1524)	1:16:A:LEU:HB3	1:16:A:LEU:HA	11	0.43
(2,1521)	1:16:A:LEU:HB2	1:21:A:GLN:HG2	10	0.43
(2,1519)	1:16:A:LEU:HB2	1:21:A:GLN:HG3	6	0.43
(2,1493)	1:79:A:THR:HB	1:82:A:PHE:HB2	16	0.43
(2,1408)	1:56:A:ILE:HD11	1:54:A:LEU:H	9	0.43
(2,1408)	1:56:A:ILE:HD12	1:54:A:LEU:H	9	0.43
(2,1408)	1:56:A:ILE:HD13	1:54:A:LEU:H	9	0.43
(2,1327)	1:68:A:LEU:HG	1:68:A:LEU:H	7	0.43
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	7	0.43
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD12	7	0.43
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD13	7	0.43
(2,1197)	1:60:A:THR:HG21	1:63:A:GLU:HB2	1	0.43
(2,1197)	1:60:A:THR:HG22	1:63:A:GLU:HB2	1	0.43
(2,1197)	1:60:A:THR:HG23	1:63:A:GLU:HB2	1	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD21	1	0.43
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD22	1	0.43
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD23	1	0.43
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD21	12	0.43
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD22	12	0.43
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD23	12	0.43
(2,1094)	1:56:A:ILE:HG12	1:56:A:ILE:HB	3	0.43
(2,1094)	1:56:A:ILE:HG12	1:56:A:ILE:HB	6	0.43
(2,1094)	1:56:A:ILE:HG12	1:56:A:ILE:HB	10	0.43
(2,1094)	1:56:A:ILE:HG12	1:56:A:ILE:HB	12	0.43
(2,1094)	1:56:A:ILE:HG12	1:56:A:ILE:HB	14	0.43
(2,1075)	1:54:A:LEU:HD21	1:45:A:ILE:HG13	1	0.43
(2,1075)	1:54:A:LEU:HD22	1:45:A:ILE:HG13	1	0.43
(2,1075)	1:54:A:LEU:HD23	1:45:A:ILE:HG13	1	0.43
(2,913)	1:43:A:GLU:HG2	1:42:A:PRO:HA	10	0.43
(2,911)	1:43:A:GLU:HB2	1:43:A:GLU:H	8	0.43
(2,911)	1:43:A:GLU:HB2	1:43:A:GLU:H	9	0.43
(2,911)	1:43:A:GLU:HB2	1:43:A:GLU:H	11	0.43
(2,894)	1:41:A:THR:HB	1:43:A:GLU:HB2	9	0.43
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG21	7	0.43
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG22	7	0.43
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG23	7	0.43
(2,888)	1:41:A:THR:HB	1:41:A:THR:HA	10	0.43
(2,881)	1:42:A:PRO:HD3	1:42:A:PRO:HD2	1	0.43
(2,881)	1:42:A:PRO:HD3	1:42:A:PRO:HD2	4	0.43
(2,881)	1:42:A:PRO:HD3	1:42:A:PRO:HD2	6	0.43
(2,881)	1:42:A:PRO:HD3	1:42:A:PRO:HD2	7	0.43
(2,881)	1:42:A:PRO:HD3	1:42:A:PRO:HD2	10	0.43
(2,881)	1:42:A:PRO:HD3	1:42:A:PRO:HD2	11	0.43
(2,881)	1:42:A:PRO:HD3	1:42:A:PRO:HD2	12	0.43
(2,881)	1:42:A:PRO:HD3	1:42:A:PRO:HD2	13	0.43
(2,881)	1:42:A:PRO:HD3	1:42:A:PRO:HD2	14	0.43
(2,881)	1:42:A:PRO:HD3	1:42:A:PRO:HD2	16	0.43
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG21	10	0.43
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG22	10	0.43
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG23	10	0.43
(2,715)	1:30:A:ALA:HB1	1:45:A:ILE:HB	6	0.43
(2,715)	1:30:A:ALA:HB2	1:45:A:ILE:HB	6	0.43
(2,715)	1:30:A:ALA:HB3	1:45:A:ILE:HB	6	0.43
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG21	12	0.43
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG22	12	0.43
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG23	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG21	16	0.43
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG22	16	0.43
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG23	16	0.43
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB1	11	0.43
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB2	11	0.43
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB3	11	0.43
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB1	12	0.43
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB2	12	0.43
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB3	12	0.43
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB1	14	0.43
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB2	14	0.43
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB3	14	0.43
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB1	16	0.43
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB2	16	0.43
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB3	16	0.43
(2,494)	1:22:A:GLN:HG2	1:23:A:GLN:H	13	0.43
(2,412)	1:19:A:GLN:HB2	1:19:A:GLN:H	6	0.43
(2,382)	1:18:A:PRO:HG2	1:18:A:PRO:HG3	3	0.43
(2,382)	1:18:A:PRO:HG2	1:18:A:PRO:HG3	4	0.43
(2,382)	1:18:A:PRO:HG2	1:18:A:PRO:HG3	5	0.43
(2,382)	1:18:A:PRO:HG2	1:18:A:PRO:HG3	8	0.43
(2,382)	1:18:A:PRO:HG2	1:18:A:PRO:HG3	9	0.43
(2,382)	1:18:A:PRO:HG2	1:18:A:PRO:HG3	12	0.43
(2,382)	1:18:A:PRO:HG2	1:18:A:PRO:HG3	13	0.43
(2,382)	1:18:A:PRO:HG2	1:18:A:PRO:HG3	14	0.43
(2,382)	1:18:A:PRO:HG2	1:18:A:PRO:HG3	15	0.43
(2,382)	1:18:A:PRO:HG2	1:18:A:PRO:HG3	16	0.43
(2,364)	1:17:A:SER:HB2	1:17:A:SER:H	11	0.43
(2,356)	1:16:A:LEU:HG	1:16:A:LEU:HB3	1	0.43
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD21	12	0.43
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD22	12	0.43
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD23	12	0.43
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD21	14	0.43
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD22	14	0.43
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD23	14	0.43
(2,337)	1:11:A:ALA:HA	1:14:A:ASN:HB2	16	0.43
(2,335)	1:14:A:ASN:HB2	1:13:A:LEU:HB3	2	0.43
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD21	16	0.43
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD22	16	0.43
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD23	16	0.43
(2,311)	1:85:A:PRO:HD2	1:85:A:PRO:HD3	1	0.43
(2,311)	1:85:A:PRO:HD2	1:85:A:PRO:HD3	2	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,311)	1:85:A:PRO:HD2	1:85:A:PRO:HD3	4	0.43
(2,311)	1:85:A:PRO:HD2	1:85:A:PRO:HD3	5	0.43
(2,311)	1:85:A:PRO:HD2	1:85:A:PRO:HD3	6	0.43
(2,311)	1:85:A:PRO:HD2	1:85:A:PRO:HD3	7	0.43
(2,311)	1:85:A:PRO:HD2	1:85:A:PRO:HD3	8	0.43
(2,311)	1:85:A:PRO:HD2	1:85:A:PRO:HD3	9	0.43
(2,311)	1:85:A:PRO:HD2	1:85:A:PRO:HD3	10	0.43
(2,311)	1:85:A:PRO:HD2	1:85:A:PRO:HD3	11	0.43
(2,311)	1:85:A:PRO:HD2	1:85:A:PRO:HD3	12	0.43
(2,311)	1:85:A:PRO:HD2	1:85:A:PRO:HD3	13	0.43
(2,311)	1:85:A:PRO:HD2	1:85:A:PRO:HD3	14	0.43
(2,311)	1:85:A:PRO:HD2	1:85:A:PRO:HD3	15	0.43
(2,311)	1:85:A:PRO:HD2	1:85:A:PRO:HD3	16	0.43
(2,179)	1:8:A:ASP:HB2	1:8:A:ASP:H	11	0.43
(2,179)	1:8:A:ASP:HB2	1:8:A:ASP:H	12	0.43
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD21	8	0.43
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD22	8	0.43
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD23	8	0.43
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD21	8	0.43
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD22	8	0.43
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD23	8	0.43
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD21	8	0.43
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD22	8	0.43
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD23	8	0.43
(2,73)	1:81:A:ILE:HD11	1:51:A:PHE:HA	14	0.43
(2,73)	1:81:A:ILE:HD12	1:51:A:PHE:HA	14	0.43
(2,73)	1:81:A:ILE:HD13	1:51:A:PHE:HA	14	0.43
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE1	8	0.43
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE2	8	0.43
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE1	8	0.43
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE2	8	0.43
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE1	9	0.43
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE2	9	0.43
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE1	9	0.43
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE2	9	0.43
(2,41)	1:82:A:PHE:HD1	1:82:A:PHE:HB3	2	0.43
(2,41)	1:82:A:PHE:HD2	1:82:A:PHE:HB3	2	0.43
(2,41)	1:82:A:PHE:HD1	1:82:A:PHE:HB3	8	0.43
(2,41)	1:82:A:PHE:HD2	1:82:A:PHE:HB3	8	0.43
(2,41)	1:82:A:PHE:HD1	1:82:A:PHE:HB3	11	0.43
(2,41)	1:82:A:PHE:HD2	1:82:A:PHE:HB3	11	0.43
(2,41)	1:82:A:PHE:HD1	1:82:A:PHE:HB3	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,41)	1:82:A:PHE:HD2	1:82:A:PHE:HB3	13	0.43
(2,41)	1:82:A:PHE:HD1	1:82:A:PHE:HB3	14	0.43
(2,41)	1:82:A:PHE:HD2	1:82:A:PHE:HB3	14	0.43
(2,41)	1:82:A:PHE:HD1	1:82:A:PHE:HB3	16	0.43
(2,41)	1:82:A:PHE:HD2	1:82:A:PHE:HB3	16	0.43
(2,19)	1:102:A:HIS:HB3	1:102:A:HIS:HD2	8	0.43
(2,6)	1:9:A:LEU:HD11	1:10:A:ALA:H	4	0.43
(2,6)	1:9:A:LEU:HD12	1:10:A:ALA:H	4	0.43
(2,6)	1:9:A:LEU:HD13	1:10:A:ALA:H	4	0.43
(2,6)	1:9:A:LEU:HD11	1:10:A:ALA:H	10	0.43
(2,6)	1:9:A:LEU:HD12	1:10:A:ALA:H	10	0.43
(2,6)	1:9:A:LEU:HD13	1:10:A:ALA:H	10	0.43
(1,602)	1:57:A:ASP:H	1:57:A:ASP:HB3	7	0.43
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD21	8	0.43
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD22	8	0.43
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD23	8	0.43
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD21	1	0.43
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD22	1	0.43
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD23	1	0.43
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD21	12	0.43
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD22	12	0.43
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD23	12	0.43
(1,527)	1:93:A:HIS:H	1:92:A:GLN:HB3	6	0.43
(1,451)	1:10:A:ALA:H	1:9:A:LEU:HB3	2	0.43
(1,451)	1:10:A:ALA:H	1:9:A:LEU:HB3	4	0.43
(1,368)	1:94:A:LEU:H	1:93:A:HIS:HB3	14	0.43
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG21	12	0.43
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG22	12	0.43
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG23	12	0.43
(1,349)	1:17:A:SER:H	1:20:A:GLN:HB2	8	0.43
(1,349)	1:17:A:SER:H	1:20:A:GLN:HB2	16	0.43
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD21	3	0.43
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD22	3	0.43
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD23	3	0.43
(1,336)	1:29:A:VAL:H	1:28:A:LEU:HB2	2	0.43
(1,336)	1:29:A:VAL:H	1:28:A:LEU:HB2	4	0.43
(1,336)	1:29:A:VAL:H	1:28:A:LEU:HB2	15	0.43
(1,336)	1:29:A:VAL:H	1:28:A:LEU:HB2	16	0.43
(1,329)	1:64:A:LEU:H	1:63:A:GLU:HB2	2	0.43
(1,329)	1:64:A:LEU:H	1:63:A:GLU:HB2	5	0.43
(1,329)	1:64:A:LEU:H	1:63:A:GLU:HB2	9	0.43
(1,304)	1:74:A:LEU:H	1:74:A:LEU:HB2	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,304)	1:74:A:LEU:H	1:74:A:LEU:HB2	8	0.43
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD21	7	0.43
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD22	7	0.43
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD23	7	0.43
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD21	16	0.43
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD22	16	0.43
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD23	16	0.43
(1,286)	1:14:A:ASN:H	1:13:A:LEU:HB2	9	0.43
(1,282)	1:14:A:ASN:HD21	1:11:A:ALA:HA	8	0.43
(1,270)	1:81:A:ILE:H	1:81:A:ILE:HG12	5	0.43
(1,270)	1:81:A:ILE:H	1:81:A:ILE:HG12	7	0.43
(1,270)	1:81:A:ILE:H	1:81:A:ILE:HG12	10	0.43
(1,113)	1:88:A:HIS:H	1:87:A:PRO:HD2	7	0.43
(1,113)	1:88:A:HIS:H	1:87:A:PRO:HD2	11	0.43
(1,113)	1:88:A:HIS:H	1:87:A:PRO:HD2	13	0.43
(1,82)	1:86:A:THR:H	1:84:A:HIS:HB2	8	0.43
(1,33)	1:54:A:LEU:H	1:55:A:GLY:H	5	0.43
(1,22)	1:43:A:GLU:H	1:44:A:SER:H	7	0.43
(1,11)	1:96:A:THR:H	1:95:A:HIS:H	2	0.43
(2,1881)	1:13:A:LEU:HG	1:9:A:LEU:HG	10	0.42
(2,1827)	1:9:A:LEU:HD21	1:9:A:LEU:HA	1	0.42
(2,1827)	1:9:A:LEU:HD22	1:9:A:LEU:HA	1	0.42
(2,1827)	1:9:A:LEU:HD23	1:9:A:LEU:HA	1	0.42
(2,1827)	1:9:A:LEU:HD21	1:9:A:LEU:HA	7	0.42
(2,1827)	1:9:A:LEU:HD22	1:9:A:LEU:HA	7	0.42
(2,1827)	1:9:A:LEU:HD23	1:9:A:LEU:HA	7	0.42
(2,1827)	1:9:A:LEU:HD21	1:9:A:LEU:HA	11	0.42
(2,1827)	1:9:A:LEU:HD22	1:9:A:LEU:HA	11	0.42
(2,1827)	1:9:A:LEU:HD23	1:9:A:LEU:HA	11	0.42
(2,1827)	1:9:A:LEU:HD21	1:9:A:LEU:HA	12	0.42
(2,1827)	1:9:A:LEU:HD22	1:9:A:LEU:HA	12	0.42
(2,1827)	1:9:A:LEU:HD23	1:9:A:LEU:HA	12	0.42
(2,1827)	1:9:A:LEU:HD21	1:9:A:LEU:HA	13	0.42
(2,1827)	1:9:A:LEU:HD22	1:9:A:LEU:HA	13	0.42
(2,1827)	1:9:A:LEU:HD23	1:9:A:LEU:HA	13	0.42
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG21	12	0.42
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG22	12	0.42
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG23	12	0.42
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG21	16	0.42
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG22	16	0.42
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG23	16	0.42
(2,1798)	1:99:A:THR:HG21	1:99:A:THR:H	6	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1798)	1:99:A:THR:HG22	1:99:A:THR:H	6	0.42
(2,1798)	1:99:A:THR:HG23	1:99:A:THR:H	6	0.42
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG21	5	0.42
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG22	5	0.42
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG23	5	0.42
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG21	7	0.42
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG22	7	0.42
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG23	7	0.42
(2,1729)	1:93:A:HIS:HA	1:90:A:LEU:HA	6	0.42
(2,1697)	1:91:A:THR:HA	1:94:A:LEU:HB3	8	0.42
(2,1625)	1:87:A:PRO:HB2	1:88:A:HIS:H	2	0.42
(2,1481)	1:78:A:PRO:HA	1:80:A:LEU:H	14	0.42
(2,1480)	1:78:A:PRO:HA	1:79:A:THR:H	16	0.42
(2,1423)	1:93:A:HIS:HD2	1:93:A:HIS:HB3	7	0.42
(2,1408)	1:56:A:ILE:HD11	1:54:A:LEU:H	4	0.42
(2,1408)	1:56:A:ILE:HD12	1:54:A:LEU:H	4	0.42
(2,1408)	1:56:A:ILE:HD13	1:54:A:LEU:H	4	0.42
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD11	4	0.42
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD12	4	0.42
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD13	4	0.42
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD21	15	0.42
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD22	15	0.42
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD23	15	0.42
(2,1094)	1:56:A:ILE:HG12	1:56:A:ILE:HB	2	0.42
(2,1030)	1:51:A:PHE:HB2	1:81:A:ILE:HG13	9	0.42
(2,996)	1:49:A:THR:HG21	1:53:A:ASP:HB3	1	0.42
(2,996)	1:49:A:THR:HG22	1:53:A:ASP:HB3	1	0.42
(2,996)	1:49:A:THR:HG23	1:53:A:ASP:HB3	1	0.42
(2,980)	1:49:A:THR:HB	1:54:A:LEU:HG	9	0.42
(2,957)	1:47:A:PRO:HD3	1:47:A:PRO:HD2	1	0.42
(2,957)	1:47:A:PRO:HD3	1:47:A:PRO:HD2	2	0.42
(2,957)	1:47:A:PRO:HD3	1:47:A:PRO:HD2	3	0.42
(2,957)	1:47:A:PRO:HD3	1:47:A:PRO:HD2	4	0.42
(2,957)	1:47:A:PRO:HD3	1:47:A:PRO:HD2	5	0.42
(2,957)	1:47:A:PRO:HD3	1:47:A:PRO:HD2	6	0.42
(2,957)	1:47:A:PRO:HD3	1:47:A:PRO:HD2	7	0.42
(2,957)	1:47:A:PRO:HD3	1:47:A:PRO:HD2	8	0.42
(2,957)	1:47:A:PRO:HD3	1:47:A:PRO:HD2	9	0.42
(2,957)	1:47:A:PRO:HD3	1:47:A:PRO:HD2	10	0.42
(2,957)	1:47:A:PRO:HD3	1:47:A:PRO:HD2	11	0.42
(2,957)	1:47:A:PRO:HD3	1:47:A:PRO:HD2	12	0.42
(2,957)	1:47:A:PRO:HD3	1:47:A:PRO:HD2	13	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,957)	1:47:A:PRO:HD3	1:47:A:PRO:HD2	14	0.42
(2,957)	1:47:A:PRO:HD3	1:47:A:PRO:HD2	15	0.42
(2,957)	1:47:A:PRO:HD3	1:47:A:PRO:HD2	16	0.42
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB1	16	0.42
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB2	16	0.42
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB3	16	0.42
(2,946)	1:47:A:PRO:HD3	1:46:A:SER:HA	8	0.42
(2,946)	1:47:A:PRO:HD3	1:46:A:SER:HA	11	0.42
(2,923)	1:101:A:SER:HB2	1:102:A:HIS:H	5	0.42
(2,911)	1:43:A:GLU:HB2	1:43:A:GLU:H	15	0.42
(2,881)	1:42:A:PRO:HD3	1:42:A:PRO:HD2	2	0.42
(2,881)	1:42:A:PRO:HD3	1:42:A:PRO:HD2	3	0.42
(2,881)	1:42:A:PRO:HD3	1:42:A:PRO:HD2	5	0.42
(2,881)	1:42:A:PRO:HD3	1:42:A:PRO:HD2	8	0.42
(2,881)	1:42:A:PRO:HD3	1:42:A:PRO:HD2	9	0.42
(2,881)	1:42:A:PRO:HD3	1:42:A:PRO:HD2	15	0.42
(2,715)	1:30:A:ALA:HB1	1:45:A:ILE:HB	4	0.42
(2,715)	1:30:A:ALA:HB2	1:45:A:ILE:HB	4	0.42
(2,715)	1:30:A:ALA:HB3	1:45:A:ILE:HB	4	0.42
(2,715)	1:30:A:ALA:HB1	1:45:A:ILE:HB	13	0.42
(2,715)	1:30:A:ALA:HB2	1:45:A:ILE:HB	13	0.42
(2,715)	1:30:A:ALA:HB3	1:45:A:ILE:HB	13	0.42
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG21	3	0.42
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG22	3	0.42
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG23	3	0.42
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG21	6	0.42
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG22	6	0.42
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG23	6	0.42
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG21	9	0.42
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG22	9	0.42
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG23	9	0.42
(2,679)	1:29:A:VAL:HG11	1:33:A:THR:HG1	14	0.42
(2,679)	1:29:A:VAL:HG12	1:33:A:THR:HG1	14	0.42
(2,679)	1:29:A:VAL:HG13	1:33:A:THR:HG1	14	0.42
(2,648)	1:28:A:LEU:HD21	1:71:A:ASN:HB3	1	0.42
(2,648)	1:28:A:LEU:HD22	1:71:A:ASN:HB3	1	0.42
(2,648)	1:28:A:LEU:HD23	1:71:A:ASN:HB3	1	0.42
(2,648)	1:28:A:LEU:HD21	1:71:A:ASN:HB3	5	0.42
(2,648)	1:28:A:LEU:HD22	1:71:A:ASN:HB3	5	0.42
(2,648)	1:28:A:LEU:HD23	1:71:A:ASN:HB3	5	0.42
(2,571)	1:32:A:ALA:HA	1:34:A:ALA:H	8	0.42
(2,547)	1:25:A:LEU:HA	1:29:A:VAL:H	4	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,508)	1:23:A:GLN:HB3	1:20:A:GLN:HA	5	0.42
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB1	3	0.42
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB2	3	0.42
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB3	3	0.42
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB1	6	0.42
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB2	6	0.42
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB3	6	0.42
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB1	10	0.42
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB2	10	0.42
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB3	10	0.42
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD21	6	0.42
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD22	6	0.42
(2,463)	1:20:A:GLN:HG3	1:16:A:LEU:HD23	6	0.42
(2,460)	1:16:A:LEU:HD21	1:20:A:GLN:HB3	12	0.42
(2,460)	1:16:A:LEU:HD22	1:20:A:GLN:HB3	12	0.42
(2,460)	1:16:A:LEU:HD23	1:20:A:GLN:HB3	12	0.42
(2,449)	1:63:A:GLU:HB2	1:62:A:LEU:H	7	0.42
(2,414)	1:9:A:LEU:HA	1:8:A:ASP:HB2	16	0.42
(2,412)	1:19:A:GLN:HB2	1:19:A:GLN:H	2	0.42
(2,412)	1:19:A:GLN:HB2	1:19:A:GLN:H	9	0.42
(2,382)	1:18:A:PRO:HG2	1:18:A:PRO:HG3	1	0.42
(2,382)	1:18:A:PRO:HG2	1:18:A:PRO:HG3	2	0.42
(2,382)	1:18:A:PRO:HG2	1:18:A:PRO:HG3	7	0.42
(2,382)	1:18:A:PRO:HG2	1:18:A:PRO:HG3	10	0.42
(2,364)	1:17:A:SER:HB2	1:17:A:SER:H	6	0.42
(2,356)	1:16:A:LEU:HG	1:16:A:LEU:HB3	2	0.42
(2,356)	1:16:A:LEU:HG	1:16:A:LEU:HB3	7	0.42
(2,356)	1:16:A:LEU:HG	1:16:A:LEU:HB3	8	0.42
(2,356)	1:16:A:LEU:HG	1:16:A:LEU:HB3	14	0.42
(2,335)	1:14:A:ASN:HB2	1:13:A:LEU:HB3	1	0.42
(2,335)	1:14:A:ASN:HB2	1:13:A:LEU:HB3	7	0.42
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD21	2	0.42
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD22	2	0.42
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD23	2	0.42
(2,311)	1:85:A:PRO:HD2	1:85:A:PRO:HD3	3	0.42
(2,292)	1:68:A:LEU:HB2	1:65:A:ARG:HA	13	0.42
(2,276)	1:12:A:ARG:HD3	1:9:A:LEU:HD11	6	0.42
(2,276)	1:12:A:ARG:HD3	1:9:A:LEU:HD12	6	0.42
(2,276)	1:12:A:ARG:HD3	1:9:A:LEU:HD13	6	0.42
(2,236)	1:31:A:ALA:HB1	1:42:A:PRO:HB2	10	0.42
(2,236)	1:31:A:ALA:HB2	1:42:A:PRO:HB2	10	0.42
(2,236)	1:31:A:ALA:HB3	1:42:A:PRO:HB2	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,179)	1:8:A:ASP:HB2	1:8:A:ASP:H	4	0.42
(2,141)	1:41:A:THR:HG21	1:43:A:GLU:HG2	12	0.42
(2,141)	1:41:A:THR:HG22	1:43:A:GLU:HG2	12	0.42
(2,141)	1:41:A:THR:HG23	1:43:A:GLU:HG2	12	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE1	1	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE2	1	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE1	1	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE2	1	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE1	2	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE2	2	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE1	2	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE2	2	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE1	3	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE2	3	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE1	3	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE2	3	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE1	4	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE2	4	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE1	4	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE2	4	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE1	5	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE2	5	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE1	5	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE2	5	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE1	6	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE2	6	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE1	6	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE2	6	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE1	7	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE2	7	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE1	7	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE2	7	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE1	10	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE2	10	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE1	10	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE2	10	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE1	11	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE2	11	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE1	11	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE2	11	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE1	12	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE2	12	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE1	12	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE2	12	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE1	13	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE2	13	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE1	13	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE2	13	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE1	14	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE2	14	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE1	14	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE2	14	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE1	15	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE2	15	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE1	15	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE2	15	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE1	16	0.42
(2,53)	1:51:A:PHE:HD1	1:51:A:PHE:HE2	16	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE1	16	0.42
(2,53)	1:51:A:PHE:HD2	1:51:A:PHE:HE2	16	0.42
(2,41)	1:82:A:PHE:HD1	1:82:A:PHE:HB3	3	0.42
(2,41)	1:82:A:PHE:HD2	1:82:A:PHE:HB3	3	0.42
(2,41)	1:82:A:PHE:HD1	1:82:A:PHE:HB3	5	0.42
(2,41)	1:82:A:PHE:HD2	1:82:A:PHE:HB3	5	0.42
(2,41)	1:82:A:PHE:HD1	1:82:A:PHE:HB3	7	0.42
(2,41)	1:82:A:PHE:HD2	1:82:A:PHE:HB3	7	0.42
(2,41)	1:82:A:PHE:HD1	1:82:A:PHE:HB3	15	0.42
(2,41)	1:82:A:PHE:HD2	1:82:A:PHE:HB3	15	0.42
(2,31)	1:39:A:HIS:HD2	1:37:A:LEU:HB3	6	0.42
(2,6)	1:9:A:LEU:HD11	1:10:A:ALA:H	2	0.42
(2,6)	1:9:A:LEU:HD12	1:10:A:ALA:H	2	0.42
(2,6)	1:9:A:LEU:HD13	1:10:A:ALA:H	2	0.42
(2,6)	1:9:A:LEU:HD11	1:10:A:ALA:H	14	0.42
(2,6)	1:9:A:LEU:HD12	1:10:A:ALA:H	14	0.42
(2,6)	1:9:A:LEU:HD13	1:10:A:ALA:H	14	0.42
(1,590)	1:96:A:THR:H	1:97:A:ARG:H	16	0.42
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD21	12	0.42
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD22	12	0.42
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD23	12	0.42
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD21	2	0.42
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD22	2	0.42
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD23	2	0.42
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD21	9	0.42
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD22	9	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD23	9	0.42
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD21	13	0.42
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD22	13	0.42
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD23	13	0.42
(1,527)	1:93:A:HIS:H	1:92:A:GLN:HB3	12	0.42
(1,479)	1:68:A:LEU:H	1:68:A:LEU:HG	1	0.42
(1,451)	1:10:A:ALA:H	1:9:A:LEU:HB3	5	0.42
(1,451)	1:10:A:ALA:H	1:9:A:LEU:HB3	15	0.42
(1,415)	1:13:A:LEU:H	1:13:A:LEU:HB2	7	0.42
(1,414)	1:13:A:LEU:H	1:13:A:LEU:HB3	5	0.42
(1,414)	1:13:A:LEU:H	1:13:A:LEU:HB3	9	0.42
(1,414)	1:13:A:LEU:H	1:13:A:LEU:HB3	13	0.42
(1,414)	1:13:A:LEU:H	1:13:A:LEU:HB3	14	0.42
(1,368)	1:94:A:LEU:H	1:93:A:HIS:HB3	10	0.42
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD21	7	0.42
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD22	7	0.42
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD23	7	0.42
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD21	11	0.42
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD22	11	0.42
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD23	11	0.42
(1,329)	1:64:A:LEU:H	1:63:A:GLU:HB2	1	0.42
(1,329)	1:64:A:LEU:H	1:63:A:GLU:HB2	7	0.42
(1,329)	1:64:A:LEU:H	1:63:A:GLU:HB2	10	0.42
(1,329)	1:64:A:LEU:H	1:63:A:GLU:HB2	12	0.42
(1,329)	1:64:A:LEU:H	1:63:A:GLU:HB2	13	0.42
(1,329)	1:64:A:LEU:H	1:63:A:GLU:HB2	16	0.42
(1,304)	1:74:A:LEU:H	1:74:A:LEU:HB2	5	0.42
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD21	6	0.42
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD22	6	0.42
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD23	6	0.42
(1,286)	1:14:A:ASN:H	1:13:A:LEU:HB2	14	0.42
(1,270)	1:81:A:ILE:H	1:81:A:ILE:HG12	12	0.42
(1,262)	1:55:A:GLY:H	1:56:A:ILE:H	1	0.42
(1,250)	1:99:A:THR:H	1:99:A:THR:HG21	6	0.42
(1,250)	1:99:A:THR:H	1:99:A:THR:HG22	6	0.42
(1,250)	1:99:A:THR:H	1:99:A:THR:HG23	6	0.42
(1,239)	1:45:A:ILE:H	1:45:A:ILE:HG13	13	0.42
(1,208)	1:48:A:ALA:H	1:47:A:PRO:HG3	3	0.42
(1,162)	1:46:A:SER:H	1:46:A:SER:HB3	3	0.42
(1,113)	1:88:A:HIS:H	1:87:A:PRO:HD2	14	0.42
(1,80)	1:86:A:THR:H	1:85:A:PRO:HD2	14	0.42
(1,40)	1:16:A:LEU:H	1:15:A:GLY:H	9	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,40)	1:16:A:LEU:H	1:15:A:GLY:H	13	0.42
(1,33)	1:54:A:LEU:H	1:55:A:GLY:H	3	0.42
(1,33)	1:54:A:LEU:H	1:55:A:GLY:H	11	0.42
(1,21)	1:7:A:THR:H	1:6:A:ALA:H	9	0.42
(1,11)	1:96:A:THR:H	1:95:A:HIS:H	5	0.42
(1,11)	1:96:A:THR:H	1:95:A:HIS:H	16	0.42
(2,1920)	1:76:A:LEU:HB2	1:76:A:LEU:H	8	0.41
(2,1898)	1:30:A:ALA:HB1	1:42:A:PRO:HB3	1	0.41
(2,1898)	1:30:A:ALA:HB2	1:42:A:PRO:HB3	1	0.41
(2,1898)	1:30:A:ALA:HB3	1:42:A:PRO:HB3	1	0.41
(2,1898)	1:30:A:ALA:HB1	1:42:A:PRO:HB3	16	0.41
(2,1898)	1:30:A:ALA:HB2	1:42:A:PRO:HB3	16	0.41
(2,1898)	1:30:A:ALA:HB3	1:42:A:PRO:HB3	16	0.41
(2,1879)	1:90:A:LEU:HD11	1:90:A:LEU:H	5	0.41
(2,1879)	1:90:A:LEU:HD12	1:90:A:LEU:H	5	0.41
(2,1879)	1:90:A:LEU:HD13	1:90:A:LEU:H	5	0.41
(2,1858)	1:25:A:LEU:HG	1:21:A:GLN:HA	11	0.41
(2,1845)	1:51:A:PHE:HE1	1:51:A:PHE:HZ	1	0.41
(2,1845)	1:51:A:PHE:HE2	1:51:A:PHE:HZ	1	0.41
(2,1845)	1:51:A:PHE:HE1	1:51:A:PHE:HZ	4	0.41
(2,1845)	1:51:A:PHE:HE2	1:51:A:PHE:HZ	4	0.41
(2,1845)	1:51:A:PHE:HE1	1:51:A:PHE:HZ	5	0.41
(2,1845)	1:51:A:PHE:HE2	1:51:A:PHE:HZ	5	0.41
(2,1845)	1:51:A:PHE:HE1	1:51:A:PHE:HZ	8	0.41
(2,1845)	1:51:A:PHE:HE2	1:51:A:PHE:HZ	8	0.41
(2,1845)	1:51:A:PHE:HE1	1:51:A:PHE:HZ	13	0.41
(2,1845)	1:51:A:PHE:HE2	1:51:A:PHE:HZ	13	0.41
(2,1845)	1:51:A:PHE:HE1	1:51:A:PHE:HZ	15	0.41
(2,1845)	1:51:A:PHE:HE2	1:51:A:PHE:HZ	15	0.41
(2,1845)	1:51:A:PHE:HE1	1:51:A:PHE:HZ	16	0.41
(2,1845)	1:51:A:PHE:HE2	1:51:A:PHE:HZ	16	0.41
(2,1827)	1:9:A:LEU:HD21	1:9:A:LEU:HA	6	0.41
(2,1827)	1:9:A:LEU:HD22	1:9:A:LEU:HA	6	0.41
(2,1827)	1:9:A:LEU:HD23	1:9:A:LEU:HA	6	0.41
(2,1827)	1:9:A:LEU:HD21	1:9:A:LEU:HA	8	0.41
(2,1827)	1:9:A:LEU:HD22	1:9:A:LEU:HA	8	0.41
(2,1827)	1:9:A:LEU:HD23	1:9:A:LEU:HA	8	0.41
(2,1827)	1:9:A:LEU:HD21	1:9:A:LEU:HA	9	0.41
(2,1827)	1:9:A:LEU:HD22	1:9:A:LEU:HA	9	0.41
(2,1827)	1:9:A:LEU:HD23	1:9:A:LEU:HA	9	0.41
(2,1827)	1:9:A:LEU:HD21	1:9:A:LEU:HA	10	0.41
(2,1827)	1:9:A:LEU:HD22	1:9:A:LEU:HA	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1827)	1:9:A:LEU:HD23	1:9:A:LEU:HA	10	0.41
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG21	1	0.41
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG22	1	0.41
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG23	1	0.41
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD21	11	0.41
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD22	11	0.41
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD23	11	0.41
(2,1771)	1:97:A:ARG:HG3	1:98:A:LEU:H	2	0.41
(2,1763)	1:41:A:THR:HG21	1:40:A:HIS:HB2	9	0.41
(2,1763)	1:41:A:THR:HG22	1:40:A:HIS:HB2	9	0.41
(2,1763)	1:41:A:THR:HG23	1:40:A:HIS:HB2	9	0.41
(2,1697)	1:91:A:THR:HA	1:94:A:LEU:HB3	5	0.41
(2,1677)	1:90:A:LEU:HG	1:90:A:LEU:HA	7	0.41
(2,1650)	1:89:A:ALA:HB1	1:85:A:PRO:HD2	14	0.41
(2,1650)	1:89:A:ALA:HB2	1:85:A:PRO:HD2	14	0.41
(2,1650)	1:89:A:ALA:HB3	1:85:A:PRO:HD2	14	0.41
(2,1641)	1:88:A:HIS:HB3	1:47:A:PRO:HB3	15	0.41
(2,1524)	1:16:A:LEU:HB3	1:16:A:LEU:HA	3	0.41
(2,1519)	1:16:A:LEU:HB2	1:21:A:GLN:HG3	8	0.41
(2,1493)	1:79:A:THR:HB	1:82:A:PHE:HB2	13	0.41
(2,1493)	1:79:A:THR:HB	1:82:A:PHE:HB2	14	0.41
(2,1480)	1:78:A:PRO:HA	1:79:A:THR:H	11	0.41
(2,1480)	1:78:A:PRO:HA	1:79:A:THR:H	13	0.41
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG21	2	0.41
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG22	2	0.41
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG23	2	0.41
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG21	16	0.41
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG22	16	0.41
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG23	16	0.41
(2,1318)	1:68:A:LEU:HB3	1:68:A:LEU:HA	15	0.41
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD21	6	0.41
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD22	6	0.41
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD23	6	0.41
(2,1075)	1:54:A:LEU:HD21	1:45:A:ILE:HG13	11	0.41
(2,1075)	1:54:A:LEU:HD22	1:45:A:ILE:HG13	11	0.41
(2,1075)	1:54:A:LEU:HD23	1:45:A:ILE:HG13	11	0.41
(2,946)	1:47:A:PRO:HD3	1:46:A:SER:HA	3	0.41
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG21	10	0.41
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG22	10	0.41
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG23	10	0.41
(2,745)	1:33:A:THR:HA	1:30:A:ALA:HA	9	0.41
(2,745)	1:33:A:THR:HA	1:30:A:ALA:HA	11	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG21	1	0.41
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG22	1	0.41
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG23	1	0.41
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG21	7	0.41
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG22	7	0.41
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG23	7	0.41
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG21	11	0.41
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG22	11	0.41
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG23	11	0.41
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG21	15	0.41
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG22	15	0.41
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG23	15	0.41
(2,679)	1:29:A:VAL:HG11	1:33:A:THR:HG1	10	0.41
(2,679)	1:29:A:VAL:HG12	1:33:A:THR:HG1	10	0.41
(2,679)	1:29:A:VAL:HG13	1:33:A:THR:HG1	10	0.41
(2,679)	1:29:A:VAL:HG11	1:33:A:THR:HG1	13	0.41
(2,679)	1:29:A:VAL:HG12	1:33:A:THR:HG1	13	0.41
(2,679)	1:29:A:VAL:HG13	1:33:A:THR:HG1	13	0.41
(2,547)	1:25:A:LEU:HA	1:29:A:VAL:H	1	0.41
(2,547)	1:25:A:LEU:HA	1:29:A:VAL:H	12	0.41
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB1	9	0.41
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB2	9	0.41
(2,499)	1:23:A:GLN:HA	1:26:A:ALA:HB3	9	0.41
(2,492)	1:22:A:GLN:HG2	1:19:A:GLN:HA	3	0.41
(2,492)	1:22:A:GLN:HG2	1:19:A:GLN:HA	9	0.41
(2,471)	1:22:A:GLN:HA	1:25:A:LEU:HB3	8	0.41
(2,418)	1:21:A:GLN:HB2	1:22:A:GLN:H	13	0.41
(2,414)	1:9:A:LEU:HA	1:8:A:ASP:HB2	2	0.41
(2,414)	1:9:A:LEU:HA	1:8:A:ASP:HB2	12	0.41
(2,412)	1:19:A:GLN:HB2	1:19:A:GLN:H	3	0.41
(2,364)	1:17:A:SER:HB2	1:17:A:SER:H	1	0.41
(2,364)	1:17:A:SER:HB2	1:17:A:SER:H	9	0.41
(2,356)	1:16:A:LEU:HG	1:16:A:LEU:HB3	4	0.41
(2,356)	1:16:A:LEU:HG	1:16:A:LEU:HB3	5	0.41
(2,356)	1:16:A:LEU:HG	1:16:A:LEU:HB3	10	0.41
(2,356)	1:16:A:LEU:HG	1:16:A:LEU:HB3	12	0.41
(2,356)	1:16:A:LEU:HG	1:16:A:LEU:HB3	13	0.41
(2,356)	1:16:A:LEU:HG	1:16:A:LEU:HB3	15	0.41
(2,356)	1:16:A:LEU:HG	1:16:A:LEU:HB3	16	0.41
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD21	5	0.41
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD22	5	0.41
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD23	5	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD21	13	0.41
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD22	13	0.41
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD23	13	0.41
(2,335)	1:14:A:ASN:HB2	1:13:A:LEU:HB3	14	0.41
(2,335)	1:14:A:ASN:HB2	1:13:A:LEU:HB3	15	0.41
(2,295)	1:59:A:LEU:HB2	1:60:A:THR:H	2	0.41
(2,295)	1:59:A:LEU:HB2	1:60:A:THR:H	4	0.41
(2,295)	1:59:A:LEU:HB2	1:60:A:THR:H	9	0.41
(2,292)	1:68:A:LEU:HB2	1:65:A:ARG:HA	1	0.41
(2,292)	1:68:A:LEU:HB2	1:65:A:ARG:HA	2	0.41
(2,292)	1:68:A:LEU:HB2	1:65:A:ARG:HA	5	0.41
(2,292)	1:68:A:LEU:HB2	1:65:A:ARG:HA	16	0.41
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD11	1	0.41
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD12	1	0.41
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD13	1	0.41
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD11	1	0.41
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD12	1	0.41
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD13	1	0.41
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD11	1	0.41
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD12	1	0.41
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD13	1	0.41
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD11	7	0.41
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD12	7	0.41
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD13	7	0.41
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD11	7	0.41
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD12	7	0.41
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD13	7	0.41
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD11	7	0.41
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD12	7	0.41
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD13	7	0.41
(2,179)	1:8:A:ASP:HB2	1:8:A:ASP:H	2	0.41
(2,179)	1:8:A:ASP:HB2	1:8:A:ASP:H	13	0.41
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB1	13	0.41
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB2	13	0.41
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB3	13	0.41
(2,92)	1:4:A:SER:HA	1:3:A:ALA:HB1	14	0.41
(2,92)	1:4:A:SER:HA	1:3:A:ALA:HB2	14	0.41
(2,92)	1:4:A:SER:HA	1:3:A:ALA:HB3	14	0.41
(2,31)	1:39:A:HIS:HD2	1:37:A:LEU:HB3	2	0.41
(2,6)	1:9:A:LEU:HD11	1:10:A:ALA:H	1	0.41
(2,6)	1:9:A:LEU:HD12	1:10:A:ALA:H	1	0.41
(2,6)	1:9:A:LEU:HD13	1:10:A:ALA:H	1	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:9:A:LEU:HD11	1:10:A:ALA:H	6	0.41
(2,6)	1:9:A:LEU:HD12	1:10:A:ALA:H	6	0.41
(2,6)	1:9:A:LEU:HD13	1:10:A:ALA:H	6	0.41
(2,6)	1:9:A:LEU:HD11	1:10:A:ALA:H	7	0.41
(2,6)	1:9:A:LEU:HD12	1:10:A:ALA:H	7	0.41
(2,6)	1:9:A:LEU:HD13	1:10:A:ALA:H	7	0.41
(2,6)	1:9:A:LEU:HD11	1:10:A:ALA:H	9	0.41
(2,6)	1:9:A:LEU:HD12	1:10:A:ALA:H	9	0.41
(2,6)	1:9:A:LEU:HD13	1:10:A:ALA:H	9	0.41
(2,6)	1:9:A:LEU:HD11	1:10:A:ALA:H	11	0.41
(2,6)	1:9:A:LEU:HD12	1:10:A:ALA:H	11	0.41
(2,6)	1:9:A:LEU:HD13	1:10:A:ALA:H	11	0.41
(2,6)	1:9:A:LEU:HD11	1:10:A:ALA:H	12	0.41
(2,6)	1:9:A:LEU:HD12	1:10:A:ALA:H	12	0.41
(2,6)	1:9:A:LEU:HD13	1:10:A:ALA:H	12	0.41
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD21	14	0.41
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD22	14	0.41
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD23	14	0.41
(1,479)	1:68:A:LEU:H	1:68:A:LEU:HG	2	0.41
(1,479)	1:68:A:LEU:H	1:68:A:LEU:HG	4	0.41
(1,479)	1:68:A:LEU:H	1:68:A:LEU:HG	6	0.41
(1,451)	1:10:A:ALA:H	1:9:A:LEU:HB3	1	0.41
(1,451)	1:10:A:ALA:H	1:9:A:LEU:HB3	7	0.41
(1,451)	1:10:A:ALA:H	1:9:A:LEU:HB3	14	0.41
(1,414)	1:13:A:LEU:H	1:13:A:LEU:HB3	1	0.41
(1,414)	1:13:A:LEU:H	1:13:A:LEU:HB3	2	0.41
(1,414)	1:13:A:LEU:H	1:13:A:LEU:HB3	4	0.41
(1,414)	1:13:A:LEU:H	1:13:A:LEU:HB3	6	0.41
(1,414)	1:13:A:LEU:H	1:13:A:LEU:HB3	10	0.41
(1,414)	1:13:A:LEU:H	1:13:A:LEU:HB3	12	0.41
(1,414)	1:13:A:LEU:H	1:13:A:LEU:HB3	15	0.41
(1,414)	1:13:A:LEU:H	1:13:A:LEU:HB3	16	0.41
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB1	14	0.41
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB2	14	0.41
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB3	14	0.41
(1,329)	1:64:A:LEU:H	1:63:A:GLU:HB2	3	0.41
(1,304)	1:74:A:LEU:H	1:74:A:LEU:HB2	1	0.41
(1,304)	1:74:A:LEU:H	1:74:A:LEU:HB2	13	0.41
(1,286)	1:14:A:ASN:H	1:13:A:LEU:HB2	11	0.41
(1,270)	1:81:A:ILE:H	1:81:A:ILE:HG12	1	0.41
(1,270)	1:81:A:ILE:H	1:81:A:ILE:HG12	8	0.41
(1,270)	1:81:A:ILE:H	1:81:A:ILE:HG12	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,262)	1:55:A:GLY:H	1:56:A:ILE:H	8	0.41
(1,113)	1:88:A:HIS:H	1:87:A:PRO:HD2	6	0.41
(1,113)	1:88:A:HIS:H	1:87:A:PRO:HD2	8	0.41
(1,82)	1:86:A:THR:H	1:84:A:HIS:HB2	14	0.41
(1,73)	1:65:A:ARG:H	1:64:A:LEU:H	8	0.41
(1,40)	1:16:A:LEU:H	1:15:A:GLY:H	1	0.41
(1,33)	1:54:A:LEU:H	1:55:A:GLY:H	7	0.41
(1,33)	1:54:A:LEU:H	1:55:A:GLY:H	16	0.41
(1,11)	1:96:A:THR:H	1:95:A:HIS:H	1	0.41
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB1	14	0.4
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB2	14	0.4
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB3	14	0.4
(2,1881)	1:13:A:LEU:HG	1:9:A:LEU:HG	2	0.4
(2,1879)	1:90:A:LEU:HD11	1:90:A:LEU:H	4	0.4
(2,1879)	1:90:A:LEU:HD12	1:90:A:LEU:H	4	0.4
(2,1879)	1:90:A:LEU:HD13	1:90:A:LEU:H	4	0.4
(2,1858)	1:25:A:LEU:HG	1:21:A:GLN:HA	1	0.4
(2,1858)	1:25:A:LEU:HG	1:21:A:GLN:HA	5	0.4
(2,1858)	1:25:A:LEU:HG	1:21:A:GLN:HA	12	0.4
(2,1845)	1:51:A:PHE:HE1	1:51:A:PHE:HZ	2	0.4
(2,1845)	1:51:A:PHE:HE2	1:51:A:PHE:HZ	2	0.4
(2,1845)	1:51:A:PHE:HE1	1:51:A:PHE:HZ	3	0.4
(2,1845)	1:51:A:PHE:HE2	1:51:A:PHE:HZ	3	0.4
(2,1845)	1:51:A:PHE:HE1	1:51:A:PHE:HZ	6	0.4
(2,1845)	1:51:A:PHE:HE2	1:51:A:PHE:HZ	6	0.4
(2,1845)	1:51:A:PHE:HE1	1:51:A:PHE:HZ	7	0.4
(2,1845)	1:51:A:PHE:HE2	1:51:A:PHE:HZ	7	0.4
(2,1845)	1:51:A:PHE:HE1	1:51:A:PHE:HZ	9	0.4
(2,1845)	1:51:A:PHE:HE2	1:51:A:PHE:HZ	9	0.4
(2,1845)	1:51:A:PHE:HE1	1:51:A:PHE:HZ	10	0.4
(2,1845)	1:51:A:PHE:HE2	1:51:A:PHE:HZ	10	0.4
(2,1845)	1:51:A:PHE:HE1	1:51:A:PHE:HZ	11	0.4
(2,1845)	1:51:A:PHE:HE2	1:51:A:PHE:HZ	11	0.4
(2,1845)	1:51:A:PHE:HE1	1:51:A:PHE:HZ	12	0.4
(2,1845)	1:51:A:PHE:HE2	1:51:A:PHE:HZ	12	0.4
(2,1845)	1:51:A:PHE:HE1	1:51:A:PHE:HZ	14	0.4
(2,1845)	1:51:A:PHE:HE2	1:51:A:PHE:HZ	14	0.4
(2,1827)	1:9:A:LEU:HD21	1:9:A:LEU:HA	2	0.4
(2,1827)	1:9:A:LEU:HD22	1:9:A:LEU:HA	2	0.4
(2,1827)	1:9:A:LEU:HD23	1:9:A:LEU:HA	2	0.4
(2,1827)	1:9:A:LEU:HD21	1:9:A:LEU:HA	14	0.4
(2,1827)	1:9:A:LEU:HD22	1:9:A:LEU:HA	14	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1827)	1:9:A:LEU:HD23	1:9:A:LEU:HA	14	0.4
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG21	10	0.4
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG22	10	0.4
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG23	10	0.4
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG21	11	0.4
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG22	11	0.4
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG23	11	0.4
(2,1771)	1:97:A:ARG:HG3	1:98:A:LEU:H	4	0.4
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG21	2	0.4
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG22	2	0.4
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG23	2	0.4
(2,1720)	1:92:A:GLN:HG3	1:89:A:ALA:HA	14	0.4
(2,1697)	1:91:A:THR:HA	1:94:A:LEU:HB3	11	0.4
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE1	4	0.4
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE2	4	0.4
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE1	4	0.4
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE2	4	0.4
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE1	4	0.4
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE2	4	0.4
(2,1677)	1:90:A:LEU:HG	1:90:A:LEU:HA	1	0.4
(2,1677)	1:90:A:LEU:HG	1:90:A:LEU:HA	11	0.4
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD1	7	0.4
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD2	7	0.4
(2,1524)	1:16:A:LEU:HB3	1:16:A:LEU:HA	6	0.4
(2,1433)	1:71:A:ASN:HA	1:70:A:HIS:HD2	3	0.4
(2,1408)	1:56:A:ILE:HD11	1:54:A:LEU:H	14	0.4
(2,1408)	1:56:A:ILE:HD12	1:54:A:LEU:H	14	0.4
(2,1408)	1:56:A:ILE:HD13	1:54:A:LEU:H	14	0.4
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG21	1	0.4
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG22	1	0.4
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG23	1	0.4
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG21	3	0.4
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG22	3	0.4
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG23	3	0.4
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG21	4	0.4
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG22	4	0.4
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG23	4	0.4
(2,1318)	1:68:A:LEU:HB3	1:68:A:LEU:HA	13	0.4
(2,1204)	1:62:A:LEU:HG	1:59:A:LEU:HA	2	0.4
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD21	10	0.4
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD22	10	0.4
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD23	10	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD21	16	0.4
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD22	16	0.4
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD23	16	0.4
(2,1053)	1:52:A:LYS:HG2	1:52:A:LYS:HA	15	0.4
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD1	8	0.4
(2,984)	1:51:A:PHE:HA	1:51:A:PHE:HD2	8	0.4
(2,976)	1:49:A:THR:HB	1:50:A:ALA:H	9	0.4
(2,946)	1:47:A:PRO:HD3	1:46:A:SER:HA	6	0.4
(2,946)	1:47:A:PRO:HD3	1:46:A:SER:HA	12	0.4
(2,932)	1:45:A:ILE:HG13	1:42:A:PRO:HA	12	0.4
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG21	15	0.4
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG22	15	0.4
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG23	15	0.4
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG21	15	0.4
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG22	15	0.4
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG23	15	0.4
(2,818)	1:36:A:VAL:HG11	1:63:A:GLU:HB2	8	0.4
(2,818)	1:36:A:VAL:HG12	1:63:A:GLU:HB2	8	0.4
(2,818)	1:36:A:VAL:HG13	1:63:A:GLU:HB2	8	0.4
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG21	1	0.4
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG22	1	0.4
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG23	1	0.4
(2,745)	1:33:A:THR:HA	1:30:A:ALA:HA	15	0.4
(2,698)	1:83:A:ASP:HA	1:82:A:PHE:H	15	0.4
(2,679)	1:29:A:VAL:HG11	1:33:A:THR:HG1	3	0.4
(2,679)	1:29:A:VAL:HG12	1:33:A:THR:HG1	3	0.4
(2,679)	1:29:A:VAL:HG13	1:33:A:THR:HG1	3	0.4
(2,679)	1:29:A:VAL:HG11	1:33:A:THR:HG1	16	0.4
(2,679)	1:29:A:VAL:HG12	1:33:A:THR:HG1	16	0.4
(2,679)	1:29:A:VAL:HG13	1:33:A:THR:HG1	16	0.4
(2,648)	1:28:A:LEU:HD21	1:71:A:ASN:HB3	3	0.4
(2,648)	1:28:A:LEU:HD22	1:71:A:ASN:HB3	3	0.4
(2,648)	1:28:A:LEU:HD23	1:71:A:ASN:HB3	3	0.4
(2,547)	1:25:A:LEU:HA	1:29:A:VAL:H	11	0.4
(2,508)	1:23:A:GLN:HB3	1:20:A:GLN:HA	15	0.4
(2,460)	1:16:A:LEU:HD21	1:20:A:GLN:HB3	3	0.4
(2,460)	1:16:A:LEU:HD22	1:20:A:GLN:HB3	3	0.4
(2,460)	1:16:A:LEU:HD23	1:20:A:GLN:HB3	3	0.4
(2,433)	1:21:A:GLN:HG2	1:21:A:GLN:HA	7	0.4
(2,414)	1:9:A:LEU:HA	1:8:A:ASP:HB2	10	0.4
(2,414)	1:9:A:LEU:HA	1:8:A:ASP:HB2	15	0.4
(2,412)	1:19:A:GLN:HB2	1:19:A:GLN:H	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,370)	1:17:A:SER:HB2	1:20:A:GLN:HG3	12	0.4
(2,356)	1:16:A:LEU:HG	1:16:A:LEU:HB3	9	0.4
(2,335)	1:14:A:ASN:HB2	1:13:A:LEU:HB3	4	0.4
(2,335)	1:14:A:ASN:HB2	1:13:A:LEU:HB3	5	0.4
(2,299)	1:13:A:LEU:HB2	1:14:A:ASN:H	2	0.4
(2,296)	1:68:A:LEU:HB2	1:68:A:LEU:H	10	0.4
(2,295)	1:59:A:LEU:HB2	1:60:A:THR:H	3	0.4
(2,295)	1:59:A:LEU:HB2	1:60:A:THR:H	8	0.4
(2,292)	1:68:A:LEU:HB2	1:65:A:ARG:HA	14	0.4
(2,236)	1:31:A:ALA:HB1	1:42:A:PRO:HB2	15	0.4
(2,236)	1:31:A:ALA:HB2	1:42:A:PRO:HB2	15	0.4
(2,236)	1:31:A:ALA:HB3	1:42:A:PRO:HB2	15	0.4
(2,198)	1:9:A:LEU:HB2	1:98:A:LEU:HD21	6	0.4
(2,198)	1:9:A:LEU:HB2	1:98:A:LEU:HD22	6	0.4
(2,198)	1:9:A:LEU:HB2	1:98:A:LEU:HD23	6	0.4
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD21	1	0.4
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD22	1	0.4
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD23	1	0.4
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD21	1	0.4
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD22	1	0.4
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD23	1	0.4
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD21	1	0.4
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD22	1	0.4
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD23	1	0.4
(2,96)	1:4:A:SER:HB3	1:7:A:THR:HB	16	0.4
(2,90)	1:4:A:SER:HA	1:5:A:ALA:H	16	0.4
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG21	9	0.4
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG22	9	0.4
(2,45)	1:51:A:PHE:HD1	1:33:A:THR:HG23	9	0.4
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG21	9	0.4
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG22	9	0.4
(2,45)	1:51:A:PHE:HD2	1:33:A:THR:HG23	9	0.4
(2,41)	1:82:A:PHE:HD1	1:82:A:PHE:HB3	6	0.4
(2,41)	1:82:A:PHE:HD2	1:82:A:PHE:HB3	6	0.4
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG21	2	0.4
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG22	2	0.4
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG23	2	0.4
(2,6)	1:9:A:LEU:HD11	1:10:A:ALA:H	5	0.4
(2,6)	1:9:A:LEU:HD12	1:10:A:ALA:H	5	0.4
(2,6)	1:9:A:LEU:HD13	1:10:A:ALA:H	5	0.4
(1,590)	1:96:A:THR:H	1:97:A:ARG:H	3	0.4
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD21	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD22	13	0.4
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD23	13	0.4
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD21	7	0.4
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD22	7	0.4
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD23	7	0.4
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD21	8	0.4
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD22	8	0.4
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD23	8	0.4
(1,479)	1:68:A:LEU:H	1:68:A:LEU:HG	5	0.4
(1,415)	1:13:A:LEU:H	1:13:A:LEU:HB2	3	0.4
(1,415)	1:13:A:LEU:H	1:13:A:LEU:HB2	8	0.4
(1,415)	1:13:A:LEU:H	1:13:A:LEU:HB2	11	0.4
(1,414)	1:13:A:LEU:H	1:13:A:LEU:HB3	3	0.4
(1,414)	1:13:A:LEU:H	1:13:A:LEU:HB3	8	0.4
(1,414)	1:13:A:LEU:H	1:13:A:LEU:HB3	11	0.4
(1,409)	1:4:A:SER:H	1:4:A:SER:HB2	9	0.4
(1,396)	1:7:A:THR:H	1:7:A:THR:HG21	13	0.4
(1,396)	1:7:A:THR:H	1:7:A:THR:HG22	13	0.4
(1,396)	1:7:A:THR:H	1:7:A:THR:HG23	13	0.4
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG21	1	0.4
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG22	1	0.4
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG23	1	0.4
(1,329)	1:64:A:LEU:H	1:63:A:GLU:HB2	15	0.4
(1,286)	1:14:A:ASN:H	1:13:A:LEU:HB2	5	0.4
(1,282)	1:14:A:ASN:HD21	1:11:A:ALA:HA	5	0.4
(1,208)	1:48:A:ALA:H	1:47:A:PRO:HG3	4	0.4
(1,208)	1:48:A:ALA:H	1:47:A:PRO:HG3	11	0.4
(1,208)	1:48:A:ALA:H	1:47:A:PRO:HG3	14	0.4
(1,208)	1:48:A:ALA:H	1:47:A:PRO:HG3	16	0.4
(1,33)	1:54:A:LEU:H	1:55:A:GLY:H	13	0.4
(1,33)	1:54:A:LEU:H	1:55:A:GLY:H	15	0.4
(1,21)	1:7:A:THR:H	1:6:A:ALA:H	14	0.4
(1,11)	1:96:A:THR:H	1:95:A:HIS:H	6	0.4
(2,1868)	1:65:A:ARG:HD3	1:66:A:ASN:H	9	0.39
(2,1858)	1:25:A:LEU:HG	1:21:A:GLN:HA	7	0.39
(2,1827)	1:9:A:LEU:HD21	1:9:A:LEU:HA	5	0.39
(2,1827)	1:9:A:LEU:HD22	1:9:A:LEU:HA	5	0.39
(2,1827)	1:9:A:LEU:HD23	1:9:A:LEU:HA	5	0.39
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG21	4	0.39
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG22	4	0.39
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG23	4	0.39
(2,1773)	1:97:A:ARG:HD2	1:100:A:GLN:H	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1763)	1:41:A:THR:HG21	1:40:A:HIS:HB2	4	0.39
(2,1763)	1:41:A:THR:HG22	1:40:A:HIS:HB2	4	0.39
(2,1763)	1:41:A:THR:HG23	1:40:A:HIS:HB2	4	0.39
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG21	3	0.39
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG22	3	0.39
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG23	3	0.39
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG21	12	0.39
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG22	12	0.39
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG23	12	0.39
(2,1729)	1:93:A:HIS:HA	1:90:A:LEU:HA	5	0.39
(2,1729)	1:93:A:HIS:HA	1:90:A:LEU:HA	13	0.39
(2,1697)	1:91:A:THR:HA	1:94:A:LEU:HB3	1	0.39
(2,1697)	1:91:A:THR:HA	1:94:A:LEU:HB3	13	0.39
(2,1677)	1:90:A:LEU:HG	1:90:A:LEU:HA	3	0.39
(2,1677)	1:90:A:LEU:HG	1:90:A:LEU:HA	5	0.39
(2,1677)	1:90:A:LEU:HG	1:90:A:LEU:HA	10	0.39
(2,1677)	1:90:A:LEU:HG	1:90:A:LEU:HA	12	0.39
(2,1433)	1:71:A:ASN:HA	1:70:A:HIS:HD2	2	0.39
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG21	11	0.39
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG22	11	0.39
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG23	11	0.39
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG21	15	0.39
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG22	15	0.39
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG23	15	0.39
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD21	3	0.39
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD22	3	0.39
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD23	3	0.39
(2,1318)	1:68:A:LEU:HB3	1:68:A:LEU:HA	1	0.39
(2,1318)	1:68:A:LEU:HB3	1:68:A:LEU:HA	5	0.39
(2,1318)	1:68:A:LEU:HB3	1:68:A:LEU:HA	6	0.39
(2,1318)	1:68:A:LEU:HB3	1:68:A:LEU:HA	16	0.39
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD21	3	0.39
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD22	3	0.39
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD23	3	0.39
(2,1075)	1:54:A:LEU:HD21	1:45:A:ILE:HG13	9	0.39
(2,1075)	1:54:A:LEU:HD22	1:45:A:ILE:HG13	9	0.39
(2,1075)	1:54:A:LEU:HD23	1:45:A:ILE:HG13	9	0.39
(2,1044)	1:52:A:LYS:HB2	1:52:A:LYS:HE2	9	0.39
(2,946)	1:47:A:PRO:HD3	1:46:A:SER:HA	2	0.39
(2,946)	1:47:A:PRO:HD3	1:46:A:SER:HA	7	0.39
(2,911)	1:43:A:GLU:HB2	1:43:A:GLU:H	3	0.39
(2,888)	1:41:A:THR:HB	1:41:A:THR:HA	7	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,852)	1:74:A:LEU:HD21	1:73:A:GLY:HA2	11	0.39
(2,852)	1:74:A:LEU:HD22	1:73:A:GLY:HA2	11	0.39
(2,852)	1:74:A:LEU:HD23	1:73:A:GLY:HA2	11	0.39
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG21	5	0.39
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG22	5	0.39
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG23	5	0.39
(2,745)	1:33:A:THR:HA	1:30:A:ALA:HA	1	0.39
(2,698)	1:83:A:ASP:HA	1:82:A:PHE:H	13	0.39
(2,679)	1:29:A:VAL:HG11	1:33:A:THR:HG1	2	0.39
(2,679)	1:29:A:VAL:HG12	1:33:A:THR:HG1	2	0.39
(2,679)	1:29:A:VAL:HG13	1:33:A:THR:HG1	2	0.39
(2,679)	1:29:A:VAL:HG11	1:33:A:THR:HG1	15	0.39
(2,679)	1:29:A:VAL:HG12	1:33:A:THR:HG1	15	0.39
(2,679)	1:29:A:VAL:HG13	1:33:A:THR:HG1	15	0.39
(2,648)	1:28:A:LEU:HD21	1:71:A:ASN:HB3	14	0.39
(2,648)	1:28:A:LEU:HD22	1:71:A:ASN:HB3	14	0.39
(2,648)	1:28:A:LEU:HD23	1:71:A:ASN:HB3	14	0.39
(2,648)	1:28:A:LEU:HD21	1:71:A:ASN:HB3	15	0.39
(2,648)	1:28:A:LEU:HD22	1:71:A:ASN:HB3	15	0.39
(2,648)	1:28:A:LEU:HD23	1:71:A:ASN:HB3	15	0.39
(2,636)	1:28:A:LEU:HG	1:29:A:VAL:HA	9	0.39
(2,636)	1:28:A:LEU:HG	1:29:A:VAL:HA	10	0.39
(2,547)	1:25:A:LEU:HA	1:29:A:VAL:H	10	0.39
(2,511)	1:23:A:GLN:HG3	1:20:A:GLN:HA	11	0.39
(2,511)	1:23:A:GLN:HG3	1:20:A:GLN:HA	12	0.39
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD11	9	0.39
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD12	9	0.39
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD13	9	0.39
(2,433)	1:21:A:GLN:HG2	1:21:A:GLN:HA	3	0.39
(2,433)	1:21:A:GLN:HG2	1:21:A:GLN:HA	11	0.39
(2,418)	1:21:A:GLN:HB2	1:22:A:GLN:H	10	0.39
(2,414)	1:9:A:LEU:HA	1:8:A:ASP:HB2	6	0.39
(2,414)	1:9:A:LEU:HA	1:8:A:ASP:HB2	14	0.39
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD21	4	0.39
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD22	4	0.39
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD23	4	0.39
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD21	8	0.39
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD22	8	0.39
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD23	8	0.39
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD21	10	0.39
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD22	10	0.39
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD23	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD21	14	0.39
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD22	14	0.39
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD23	14	0.39
(2,299)	1:13:A:LEU:HB2	1:14:A:ASN:H	1	0.39
(2,295)	1:59:A:LEU:HB2	1:60:A:THR:H	1	0.39
(2,295)	1:59:A:LEU:HB2	1:60:A:THR:H	5	0.39
(2,295)	1:59:A:LEU:HB2	1:60:A:THR:H	6	0.39
(2,295)	1:59:A:LEU:HB2	1:60:A:THR:H	15	0.39
(2,292)	1:68:A:LEU:HB2	1:65:A:ARG:HA	6	0.39
(2,292)	1:68:A:LEU:HB2	1:65:A:ARG:HA	9	0.39
(2,141)	1:41:A:THR:HG21	1:43:A:GLU:HG2	5	0.39
(2,141)	1:41:A:THR:HG22	1:43:A:GLU:HG2	5	0.39
(2,141)	1:41:A:THR:HG23	1:43:A:GLU:HG2	5	0.39
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB1	6	0.39
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB2	6	0.39
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB3	6	0.39
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB1	8	0.39
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB2	8	0.39
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB3	8	0.39
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB1	11	0.39
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB2	11	0.39
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB3	11	0.39
(2,116)	1:6:A:ALA:HB1	1:10:A:ALA:H	4	0.39
(2,116)	1:6:A:ALA:HB2	1:10:A:ALA:H	4	0.39
(2,116)	1:6:A:ALA:HB3	1:10:A:ALA:H	4	0.39
(2,116)	1:6:A:ALA:HB1	1:10:A:ALA:H	13	0.39
(2,116)	1:6:A:ALA:HB2	1:10:A:ALA:H	13	0.39
(2,116)	1:6:A:ALA:HB3	1:10:A:ALA:H	13	0.39
(2,84)	1:2:A:ALA:HB1	1:5:A:ALA:H	16	0.39
(2,84)	1:2:A:ALA:HB2	1:5:A:ALA:H	16	0.39
(2,84)	1:2:A:ALA:HB3	1:5:A:ALA:H	16	0.39
(2,31)	1:39:A:HIS:HD2	1:37:A:LEU:HB3	16	0.39
(2,6)	1:9:A:LEU:HD11	1:10:A:ALA:H	16	0.39
(2,6)	1:9:A:LEU:HD12	1:10:A:ALA:H	16	0.39
(2,6)	1:9:A:LEU:HD13	1:10:A:ALA:H	16	0.39
(1,599)	1:33:A:THR:H	1:33:A:THR:HG1	7	0.39
(1,599)	1:33:A:THR:H	1:33:A:THR:HG1	11	0.39
(1,590)	1:96:A:THR:H	1:97:A:ARG:H	12	0.39
(1,590)	1:96:A:THR:H	1:97:A:ARG:H	13	0.39
(1,586)	1:96:A:THR:H	1:95:A:HIS:HB3	9	0.39
(1,561)	1:22:A:GLN:H	1:21:A:GLN:HB2	5	0.39
(1,561)	1:22:A:GLN:H	1:21:A:GLN:HB2	16	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,490)	1:102:A:HIS:H	1:102:A:HIS:HB3	5	0.39
(1,479)	1:68:A:LEU:H	1:68:A:LEU:HG	16	0.39
(1,415)	1:13:A:LEU:H	1:13:A:LEU:HB2	1	0.39
(1,415)	1:13:A:LEU:H	1:13:A:LEU:HB2	10	0.39
(1,415)	1:13:A:LEU:H	1:13:A:LEU:HB2	12	0.39
(1,415)	1:13:A:LEU:H	1:13:A:LEU:HB2	16	0.39
(1,414)	1:13:A:LEU:H	1:13:A:LEU:HB3	7	0.39
(1,396)	1:7:A:THR:H	1:7:A:THR:HG21	3	0.39
(1,396)	1:7:A:THR:H	1:7:A:THR:HG22	3	0.39
(1,396)	1:7:A:THR:H	1:7:A:THR:HG23	3	0.39
(1,396)	1:7:A:THR:H	1:7:A:THR:HG21	16	0.39
(1,396)	1:7:A:THR:H	1:7:A:THR:HG22	16	0.39
(1,396)	1:7:A:THR:H	1:7:A:THR:HG23	16	0.39
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB1	5	0.39
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB2	5	0.39
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB3	5	0.39
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB1	9	0.39
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB2	9	0.39
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB3	9	0.39
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB1	10	0.39
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB2	10	0.39
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB3	10	0.39
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB1	11	0.39
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB2	11	0.39
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB3	11	0.39
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB1	12	0.39
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB2	12	0.39
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB3	12	0.39
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB1	13	0.39
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB2	13	0.39
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB3	13	0.39
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG21	7	0.39
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG22	7	0.39
(1,364)	1:94:A:LEU:H	1:91:A:THR:HG23	7	0.39
(1,349)	1:17:A:SER:H	1:20:A:GLN:HB2	11	0.39
(1,329)	1:64:A:LEU:H	1:63:A:GLU:HB2	11	0.39
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD11	1	0.39
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD12	1	0.39
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD13	1	0.39
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD11	3	0.39
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD12	3	0.39
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD13	3	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD11	4	0.39
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD12	4	0.39
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD13	4	0.39
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD11	7	0.39
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD12	7	0.39
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD13	7	0.39
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD11	9	0.39
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD12	9	0.39
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD13	9	0.39
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD11	15	0.39
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD12	15	0.39
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD13	15	0.39
(1,127)	1:69:A:THR:H	1:68:A:LEU:HB2	12	0.39
(1,82)	1:86:A:THR:H	1:84:A:HIS:HB2	5	0.39
(1,33)	1:54:A:LEU:H	1:55:A:GLY:H	2	0.39
(1,33)	1:54:A:LEU:H	1:55:A:GLY:H	10	0.39
(1,33)	1:54:A:LEU:H	1:55:A:GLY:H	12	0.39
(1,21)	1:7:A:THR:H	1:6:A:ALA:H	5	0.39
(1,11)	1:96:A:THR:H	1:95:A:HIS:H	3	0.39
(2,1898)	1:30:A:ALA:HB1	1:42:A:PRO:HB3	12	0.38
(2,1898)	1:30:A:ALA:HB2	1:42:A:PRO:HB3	12	0.38
(2,1898)	1:30:A:ALA:HB3	1:42:A:PRO:HB3	12	0.38
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG21	14	0.38
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG22	14	0.38
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG23	14	0.38
(2,1798)	1:99:A:THR:HG21	1:99:A:THR:H	8	0.38
(2,1798)	1:99:A:THR:HG22	1:99:A:THR:H	8	0.38
(2,1798)	1:99:A:THR:HG23	1:99:A:THR:H	8	0.38
(2,1783)	1:98:A:LEU:HD11	1:98:A:LEU:H	9	0.38
(2,1783)	1:98:A:LEU:HD12	1:98:A:LEU:H	9	0.38
(2,1783)	1:98:A:LEU:HD13	1:98:A:LEU:H	9	0.38
(2,1729)	1:93:A:HIS:HA	1:90:A:LEU:HA	4	0.38
(2,1720)	1:92:A:GLN:HG3	1:89:A:ALA:HA	6	0.38
(2,1677)	1:90:A:LEU:HG	1:90:A:LEU:HA	4	0.38
(2,1524)	1:16:A:LEU:HB3	1:16:A:LEU:HA	9	0.38
(2,1524)	1:16:A:LEU:HB3	1:16:A:LEU:HA	15	0.38
(2,1521)	1:16:A:LEU:HB2	1:21:A:GLN:HG2	2	0.38
(2,1519)	1:16:A:LEU:HB2	1:21:A:GLN:HG3	4	0.38
(2,1519)	1:16:A:LEU:HB2	1:21:A:GLN:HG3	16	0.38
(2,1493)	1:79:A:THR:HB	1:82:A:PHE:HB2	9	0.38
(2,1483)	1:60:A:THR:HA	1:63:A:GLU:HB2	2	0.38
(2,1481)	1:78:A:PRO:HA	1:80:A:LEU:H	2	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1481)	1:78:A:PRO:HA	1:80:A:LEU:H	5	0.38
(2,1481)	1:78:A:PRO:HA	1:80:A:LEU:H	11	0.38
(2,1480)	1:78:A:PRO:HA	1:79:A:THR:H	14	0.38
(2,1473)	1:75:A:ASP:HB3	1:75:A:ASP:H	9	0.38
(2,1408)	1:56:A:ILE:HD11	1:54:A:LEU:H	5	0.38
(2,1408)	1:56:A:ILE:HD12	1:54:A:LEU:H	5	0.38
(2,1408)	1:56:A:ILE:HD13	1:54:A:LEU:H	5	0.38
(2,1408)	1:56:A:ILE:HD11	1:54:A:LEU:H	12	0.38
(2,1408)	1:56:A:ILE:HD12	1:54:A:LEU:H	12	0.38
(2,1408)	1:56:A:ILE:HD13	1:54:A:LEU:H	12	0.38
(2,1408)	1:56:A:ILE:HD11	1:54:A:LEU:H	15	0.38
(2,1408)	1:56:A:ILE:HD12	1:54:A:LEU:H	15	0.38
(2,1408)	1:56:A:ILE:HD13	1:54:A:LEU:H	15	0.38
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG21	7	0.38
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG22	7	0.38
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG23	7	0.38
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG21	10	0.38
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG22	10	0.38
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG23	10	0.38
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG21	12	0.38
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG22	12	0.38
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG23	12	0.38
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG21	13	0.38
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG22	13	0.38
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG23	13	0.38
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD21	15	0.38
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD22	15	0.38
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD23	15	0.38
(2,1334)	1:69:A:THR:HA	1:74:A:LEU:H	16	0.38
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD11	5	0.38
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD12	5	0.38
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD13	5	0.38
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD11	6	0.38
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD12	6	0.38
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD13	6	0.38
(2,1318)	1:68:A:LEU:HB3	1:68:A:LEU:HA	2	0.38
(2,1318)	1:68:A:LEU:HB3	1:68:A:LEU:HA	4	0.38
(2,1318)	1:68:A:LEU:HB3	1:68:A:LEU:HA	14	0.38
(2,1133)	1:58:A:SER:HB3	1:59:A:LEU:HG	13	0.38
(2,946)	1:47:A:PRO:HD3	1:46:A:SER:HA	10	0.38
(2,946)	1:47:A:PRO:HD3	1:46:A:SER:HA	14	0.38
(2,946)	1:47:A:PRO:HD3	1:46:A:SER:HA	15	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,943)	1:46:A:SER:HA	1:47:A:PRO:HG2	1	0.38
(2,932)	1:45:A:ILE:HG13	1:42:A:PRO:HA	4	0.38
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG21	14	0.38
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG22	14	0.38
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG23	14	0.38
(2,825)	1:36:A:VAL:HG11	1:60:A:THR:HA	8	0.38
(2,825)	1:36:A:VAL:HG12	1:60:A:THR:HA	8	0.38
(2,825)	1:36:A:VAL:HG13	1:60:A:THR:HA	8	0.38
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG21	3	0.38
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG22	3	0.38
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG23	3	0.38
(2,698)	1:83:A:ASP:HA	1:82:A:PHE:H	9	0.38
(2,636)	1:28:A:LEU:HG	1:29:A:VAL:HA	14	0.38
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB1	11	0.38
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB2	11	0.38
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB3	11	0.38
(2,547)	1:25:A:LEU:HA	1:29:A:VAL:H	3	0.38
(2,547)	1:25:A:LEU:HA	1:29:A:VAL:H	5	0.38
(2,533)	1:24:A:THR:HB	1:25:A:LEU:HB2	9	0.38
(2,508)	1:23:A:GLN:HB3	1:20:A:GLN:HA	12	0.38
(2,494)	1:22:A:GLN:HG2	1:23:A:GLN:H	16	0.38
(2,471)	1:22:A:GLN:HA	1:25:A:LEU:HB3	15	0.38
(2,449)	1:63:A:GLU:HB2	1:62:A:LEU:H	11	0.38
(2,433)	1:21:A:GLN:HG2	1:21:A:GLN:HA	8	0.38
(2,418)	1:21:A:GLN:HB2	1:22:A:GLN:H	9	0.38
(2,414)	1:9:A:LEU:HA	1:8:A:ASP:HB2	9	0.38
(2,412)	1:19:A:GLN:HB2	1:19:A:GLN:H	1	0.38
(2,366)	1:17:A:SER:HB3	1:17:A:SER:HA	10	0.38
(2,364)	1:17:A:SER:HB2	1:17:A:SER:H	3	0.38
(2,364)	1:17:A:SER:HB2	1:17:A:SER:H	12	0.38
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD21	1	0.38
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD22	1	0.38
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD23	1	0.38
(2,335)	1:14:A:ASN:HB2	1:13:A:LEU:HB3	9	0.38
(2,335)	1:14:A:ASN:HB2	1:13:A:LEU:HB3	12	0.38
(2,335)	1:14:A:ASN:HB2	1:13:A:LEU:HB3	13	0.38
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD21	13	0.38
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD22	13	0.38
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD23	13	0.38
(2,321)	1:87:A:PRO:HD3	1:86:A:THR:HA	5	0.38
(2,292)	1:68:A:LEU:HB2	1:65:A:ARG:HA	4	0.38
(2,292)	1:68:A:LEU:HB2	1:65:A:ARG:HA	15	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD11	16	0.38
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD12	16	0.38
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD13	16	0.38
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD11	16	0.38
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD12	16	0.38
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD13	16	0.38
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD11	16	0.38
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD12	16	0.38
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD13	16	0.38
(2,236)	1:31:A:ALA:HB1	1:42:A:PRO:HB2	9	0.38
(2,236)	1:31:A:ALA:HB2	1:42:A:PRO:HB2	9	0.38
(2,236)	1:31:A:ALA:HB3	1:42:A:PRO:HB2	9	0.38
(2,204)	1:9:A:LEU:HB3	1:10:A:ALA:H	13	0.38
(2,116)	1:6:A:ALA:HB1	1:10:A:ALA:H	7	0.38
(2,116)	1:6:A:ALA:HB2	1:10:A:ALA:H	7	0.38
(2,116)	1:6:A:ALA:HB3	1:10:A:ALA:H	7	0.38
(2,92)	1:4:A:SER:HA	1:3:A:ALA:HB1	1	0.38
(2,92)	1:4:A:SER:HA	1:3:A:ALA:HB2	1	0.38
(2,92)	1:4:A:SER:HA	1:3:A:ALA:HB3	1	0.38
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD1	8	0.38
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD2	8	0.38
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD1	8	0.38
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD2	8	0.38
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD1	8	0.38
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD2	8	0.38
(2,41)	1:82:A:PHE:HD1	1:82:A:PHE:HB3	1	0.38
(2,41)	1:82:A:PHE:HD2	1:82:A:PHE:HB3	1	0.38
(2,41)	1:82:A:PHE:HD1	1:82:A:PHE:HB3	9	0.38
(2,41)	1:82:A:PHE:HD2	1:82:A:PHE:HB3	9	0.38
(2,6)	1:9:A:LEU:HD11	1:10:A:ALA:H	8	0.38
(2,6)	1:9:A:LEU:HD12	1:10:A:ALA:H	8	0.38
(2,6)	1:9:A:LEU:HD13	1:10:A:ALA:H	8	0.38
(1,599)	1:33:A:THR:H	1:33:A:THR:HG1	1	0.38
(1,590)	1:96:A:THR:H	1:97:A:ARG:H	1	0.38
(1,590)	1:96:A:THR:H	1:97:A:ARG:H	6	0.38
(1,568)	1:98:A:LEU:H	1:98:A:LEU:HD11	9	0.38
(1,568)	1:98:A:LEU:H	1:98:A:LEU:HD12	9	0.38
(1,568)	1:98:A:LEU:H	1:98:A:LEU:HD13	9	0.38
(1,561)	1:22:A:GLN:H	1:21:A:GLN:HB2	4	0.38
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD21	10	0.38
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD22	10	0.38
(1,542)	1:54:A:LEU:H	1:54:A:LEU:HD23	10	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,527)	1:93:A:HIS:H	1:92:A:GLN:HB3	3	0.38
(1,451)	1:10:A:ALA:H	1:9:A:LEU:HB3	9	0.38
(1,442)	1:75:A:ASP:H	1:75:A:ASP:HB3	9	0.38
(1,415)	1:13:A:LEU:H	1:13:A:LEU:HB2	2	0.38
(1,415)	1:13:A:LEU:H	1:13:A:LEU:HB2	4	0.38
(1,415)	1:13:A:LEU:H	1:13:A:LEU:HB2	5	0.38
(1,415)	1:13:A:LEU:H	1:13:A:LEU:HB2	6	0.38
(1,415)	1:13:A:LEU:H	1:13:A:LEU:HB2	13	0.38
(1,415)	1:13:A:LEU:H	1:13:A:LEU:HB2	15	0.38
(1,396)	1:7:A:THR:H	1:7:A:THR:HG21	11	0.38
(1,396)	1:7:A:THR:H	1:7:A:THR:HG22	11	0.38
(1,396)	1:7:A:THR:H	1:7:A:THR:HG23	11	0.38
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB1	3	0.38
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB2	3	0.38
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB3	3	0.38
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB1	8	0.38
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB2	8	0.38
(1,382)	1:14:A:ASN:HD22	1:11:A:ALA:HB3	8	0.38
(1,368)	1:94:A:LEU:H	1:93:A:HIS:HB3	16	0.38
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD21	16	0.38
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD22	16	0.38
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD23	16	0.38
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD11	10	0.38
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD12	10	0.38
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD13	10	0.38
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD11	12	0.38
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD12	12	0.38
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD13	12	0.38
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD11	16	0.38
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD12	16	0.38
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD13	16	0.38
(1,304)	1:74:A:LEU:H	1:74:A:LEU:HB2	15	0.38
(1,304)	1:74:A:LEU:H	1:74:A:LEU:HB2	16	0.38
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD21	1	0.38
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD22	1	0.38
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD23	1	0.38
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD21	12	0.38
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD22	12	0.38
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD23	12	0.38
(1,270)	1:81:A:ILE:H	1:81:A:ILE:HG12	4	0.38
(1,270)	1:81:A:ILE:H	1:81:A:ILE:HG12	16	0.38
(1,250)	1:99:A:THR:H	1:99:A:THR:HG21	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:99:A:THR:H	1:99:A:THR:HG22	8	0.38
(1,250)	1:99:A:THR:H	1:99:A:THR:HG23	8	0.38
(1,208)	1:48:A:ALA:H	1:47:A:PRO:HG3	7	0.38
(1,189)	1:53:A:ASP:H	1:53:A:ASP:HB3	2	0.38
(1,189)	1:53:A:ASP:H	1:53:A:ASP:HB3	3	0.38
(1,189)	1:53:A:ASP:H	1:53:A:ASP:HB3	5	0.38
(1,189)	1:53:A:ASP:H	1:53:A:ASP:HB3	11	0.38
(1,189)	1:53:A:ASP:H	1:53:A:ASP:HB3	15	0.38
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG21	10	0.38
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG22	10	0.38
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG23	10	0.38
(1,82)	1:86:A:THR:H	1:84:A:HIS:HB2	2	0.38
(1,82)	1:86:A:THR:H	1:84:A:HIS:HB2	11	0.38
(1,82)	1:86:A:THR:H	1:84:A:HIS:HB2	15	0.38
(1,80)	1:86:A:THR:H	1:85:A:PRO:HD2	10	0.38
(1,40)	1:16:A:LEU:H	1:15:A:GLY:H	2	0.38
(1,33)	1:54:A:LEU:H	1:55:A:GLY:H	4	0.38
(1,22)	1:43:A:GLU:H	1:44:A:SER:H	8	0.38
(2,1881)	1:13:A:LEU:HG	1:9:A:LEU:HG	16	0.37
(2,1879)	1:90:A:LEU:HD11	1:90:A:LEU:H	10	0.37
(2,1879)	1:90:A:LEU:HD12	1:90:A:LEU:H	10	0.37
(2,1879)	1:90:A:LEU:HD13	1:90:A:LEU:H	10	0.37
(2,1868)	1:65:A:ARG:HD3	1:66:A:ASN:H	1	0.37
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG21	5	0.37
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG22	5	0.37
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG23	5	0.37
(2,1763)	1:41:A:THR:HG21	1:40:A:HIS:HB2	3	0.37
(2,1763)	1:41:A:THR:HG22	1:40:A:HIS:HB2	3	0.37
(2,1763)	1:41:A:THR:HG23	1:40:A:HIS:HB2	3	0.37
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG21	16	0.37
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG22	16	0.37
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG23	16	0.37
(2,1729)	1:93:A:HIS:HA	1:90:A:LEU:HA	12	0.37
(2,1720)	1:92:A:GLN:HG3	1:89:A:ALA:HA	10	0.37
(2,1697)	1:91:A:THR:HA	1:94:A:LEU:HB3	2	0.37
(2,1697)	1:91:A:THR:HA	1:94:A:LEU:HB3	4	0.37
(2,1697)	1:91:A:THR:HA	1:94:A:LEU:HB3	15	0.37
(2,1677)	1:90:A:LEU:HG	1:90:A:LEU:HA	6	0.37
(2,1677)	1:90:A:LEU:HG	1:90:A:LEU:HA	15	0.37
(2,1677)	1:90:A:LEU:HG	1:90:A:LEU:HA	16	0.37
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD21	3	0.37
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD22	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD23	3	0.37
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD21	9	0.37
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD22	9	0.37
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD23	9	0.37
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD21	9	0.37
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD22	9	0.37
(2,1626)	1:87:A:PRO:HD2	1:54:A:LEU:HD23	9	0.37
(2,1625)	1:87:A:PRO:HB2	1:88:A:HIS:H	5	0.37
(2,1524)	1:16:A:LEU:HB3	1:16:A:LEU:HA	7	0.37
(2,1524)	1:16:A:LEU:HB3	1:16:A:LEU:HA	10	0.37
(2,1524)	1:16:A:LEU:HB3	1:16:A:LEU:HA	13	0.37
(2,1505)	1:72:A:THR:HG21	1:71:A:ASN:HB2	12	0.37
(2,1505)	1:72:A:THR:HG22	1:71:A:ASN:HB2	12	0.37
(2,1505)	1:72:A:THR:HG23	1:71:A:ASN:HB2	12	0.37
(2,1481)	1:78:A:PRO:HA	1:80:A:LEU:H	13	0.37
(2,1480)	1:78:A:PRO:HA	1:79:A:THR:H	3	0.37
(2,1408)	1:56:A:ILE:HD11	1:54:A:LEU:H	2	0.37
(2,1408)	1:56:A:ILE:HD12	1:54:A:LEU:H	2	0.37
(2,1408)	1:56:A:ILE:HD13	1:54:A:LEU:H	2	0.37
(2,1408)	1:56:A:ILE:HD11	1:54:A:LEU:H	16	0.37
(2,1408)	1:56:A:ILE:HD12	1:54:A:LEU:H	16	0.37
(2,1408)	1:56:A:ILE:HD13	1:54:A:LEU:H	16	0.37
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG21	5	0.37
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG22	5	0.37
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG23	5	0.37
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG21	6	0.37
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG22	6	0.37
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG23	6	0.37
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG21	14	0.37
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG22	14	0.37
(2,1382)	1:81:A:ILE:HG13	1:81:A:ILE:HG23	14	0.37
(2,1318)	1:68:A:LEU:HB3	1:68:A:LEU:HA	8	0.37
(2,1318)	1:68:A:LEU:HB3	1:68:A:LEU:HA	9	0.37
(2,1204)	1:62:A:LEU:HG	1:59:A:LEU:HA	15	0.37
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB1	1	0.37
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB2	1	0.37
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB3	1	0.37
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB1	1	0.37
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB2	1	0.37
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB3	1	0.37
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB1	1	0.37
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB2	1	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB3	1	0.37
(2,1053)	1:52:A:LYS:HG2	1:52:A:LYS:HA	8	0.37
(2,1030)	1:51:A:PHE:HB2	1:81:A:ILE:HG13	11	0.37
(2,946)	1:47:A:PRO:HD3	1:46:A:SER:HA	9	0.37
(2,946)	1:47:A:PRO:HD3	1:46:A:SER:HA	16	0.37
(2,901)	1:41:A:THR:HG21	1:40:A:HIS:HD2	4	0.37
(2,901)	1:41:A:THR:HG22	1:40:A:HIS:HD2	4	0.37
(2,901)	1:41:A:THR:HG23	1:40:A:HIS:HD2	4	0.37
(2,892)	1:43:A:GLU:HG2	1:41:A:THR:HB	7	0.37
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG21	3	0.37
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG22	3	0.37
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG23	3	0.37
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG21	8	0.37
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG22	8	0.37
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG23	8	0.37
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG21	9	0.37
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG22	9	0.37
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG23	9	0.37
(2,884)	1:42:A:PRO:HD3	1:42:A:PRO:HB2	4	0.37
(2,884)	1:42:A:PRO:HD3	1:42:A:PRO:HB2	13	0.37
(2,745)	1:33:A:THR:HA	1:30:A:ALA:HA	7	0.37
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG21	8	0.37
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG22	8	0.37
(2,708)	1:30:A:ALA:HA	1:45:A:ILE:HG23	8	0.37
(2,698)	1:83:A:ASP:HA	1:82:A:PHE:H	7	0.37
(2,679)	1:29:A:VAL:HG11	1:33:A:THR:HG1	6	0.37
(2,679)	1:29:A:VAL:HG12	1:33:A:THR:HG1	6	0.37
(2,679)	1:29:A:VAL:HG13	1:33:A:THR:HG1	6	0.37
(2,636)	1:28:A:LEU:HG	1:29:A:VAL:HA	2	0.37
(2,636)	1:28:A:LEU:HG	1:29:A:VAL:HA	5	0.37
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG21	11	0.37
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG22	11	0.37
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG23	11	0.37
(2,564)	1:28:A:LEU:HD11	1:71:A:ASN:HB3	9	0.37
(2,564)	1:28:A:LEU:HD12	1:71:A:ASN:HB3	9	0.37
(2,564)	1:28:A:LEU:HD13	1:71:A:ASN:HB3	9	0.37
(2,547)	1:25:A:LEU:HA	1:29:A:VAL:H	7	0.37
(2,547)	1:25:A:LEU:HA	1:29:A:VAL:H	8	0.37
(2,508)	1:23:A:GLN:HB3	1:20:A:GLN:HA	9	0.37
(2,508)	1:23:A:GLN:HB3	1:20:A:GLN:HA	11	0.37
(2,494)	1:22:A:GLN:HG2	1:23:A:GLN:H	9	0.37
(2,492)	1:22:A:GLN:HG2	1:19:A:GLN:HA	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,471)	1:22:A:GLN:HA	1:25:A:LEU:HB3	7	0.37
(2,460)	1:16:A:LEU:HD21	1:20:A:GLN:HB3	7	0.37
(2,460)	1:16:A:LEU:HD22	1:20:A:GLN:HB3	7	0.37
(2,460)	1:16:A:LEU:HD23	1:20:A:GLN:HB3	7	0.37
(2,433)	1:21:A:GLN:HG2	1:21:A:GLN:HA	1	0.37
(2,433)	1:21:A:GLN:HG2	1:21:A:GLN:HA	5	0.37
(2,418)	1:21:A:GLN:HB2	1:22:A:GLN:H	3	0.37
(2,412)	1:19:A:GLN:HB2	1:19:A:GLN:H	5	0.37
(2,412)	1:19:A:GLN:HB2	1:19:A:GLN:H	7	0.37
(2,412)	1:19:A:GLN:HB2	1:19:A:GLN:H	10	0.37
(2,412)	1:19:A:GLN:HB2	1:19:A:GLN:H	15	0.37
(2,321)	1:87:A:PRO:HD3	1:86:A:THR:HA	2	0.37
(2,321)	1:87:A:PRO:HD3	1:86:A:THR:HA	8	0.37
(2,321)	1:87:A:PRO:HD3	1:86:A:THR:HA	10	0.37
(2,299)	1:13:A:LEU:HB2	1:14:A:ASN:H	4	0.37
(2,296)	1:68:A:LEU:HB2	1:68:A:LEU:H	7	0.37
(2,295)	1:59:A:LEU:HB2	1:60:A:THR:H	12	0.37
(2,295)	1:59:A:LEU:HB2	1:60:A:THR:H	13	0.37
(2,292)	1:68:A:LEU:HB2	1:65:A:ARG:HA	8	0.37
(2,116)	1:6:A:ALA:HB1	1:10:A:ALA:H	6	0.37
(2,116)	1:6:A:ALA:HB2	1:10:A:ALA:H	6	0.37
(2,116)	1:6:A:ALA:HB3	1:10:A:ALA:H	6	0.37
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD11	8	0.37
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD12	8	0.37
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD13	8	0.37
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD11	8	0.37
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD12	8	0.37
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD13	8	0.37
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD11	8	0.37
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD12	8	0.37
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD13	8	0.37
(2,6)	1:9:A:LEU:HD11	1:10:A:ALA:H	13	0.37
(2,6)	1:9:A:LEU:HD12	1:10:A:ALA:H	13	0.37
(2,6)	1:9:A:LEU:HD13	1:10:A:ALA:H	13	0.37
(1,602)	1:57:A:ASP:H	1:57:A:ASP:HB3	1	0.37
(1,602)	1:57:A:ASP:H	1:57:A:ASP:HB3	4	0.37
(1,590)	1:96:A:THR:H	1:97:A:ARG:H	4	0.37
(1,561)	1:22:A:GLN:H	1:21:A:GLN:HB2	2	0.37
(1,479)	1:68:A:LEU:H	1:68:A:LEU:HG	14	0.37
(1,415)	1:13:A:LEU:H	1:13:A:LEU:HB2	9	0.37
(1,415)	1:13:A:LEU:H	1:13:A:LEU:HB2	14	0.37
(1,368)	1:94:A:LEU:H	1:93:A:HIS:HB3	1	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,342)	1:66:A:ASN:H	1:66:A:ASN:HB2	11	0.37
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD21	10	0.37
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD22	10	0.37
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD23	10	0.37
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD21	12	0.37
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD22	12	0.37
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD23	12	0.37
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD21	13	0.37
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD22	13	0.37
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD23	13	0.37
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD11	11	0.37
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD12	11	0.37
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD13	11	0.37
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD11	13	0.37
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD12	13	0.37
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD13	13	0.37
(1,304)	1:74:A:LEU:H	1:74:A:LEU:HB2	3	0.37
(1,208)	1:48:A:ALA:H	1:47:A:PRO:HG3	10	0.37
(1,189)	1:53:A:ASP:H	1:53:A:ASP:HB3	6	0.37
(1,158)	1:5:A:ALA:H	1:4:A:SER:HA	8	0.37
(1,82)	1:86:A:THR:H	1:84:A:HIS:HB2	3	0.37
(1,73)	1:65:A:ARG:H	1:64:A:LEU:H	7	0.37
(1,73)	1:65:A:ARG:H	1:64:A:LEU:H	9	0.37
(1,40)	1:16:A:LEU:H	1:15:A:GLY:H	5	0.37
(1,40)	1:16:A:LEU:H	1:15:A:GLY:H	8	0.37
(1,33)	1:54:A:LEU:H	1:55:A:GLY:H	8	0.37
(1,33)	1:54:A:LEU:H	1:55:A:GLY:H	14	0.37
(1,11)	1:96:A:THR:H	1:95:A:HIS:H	12	0.37
(2,1888)	1:13:A:LEU:HG	1:13:A:LEU:H	9	0.36
(2,1888)	1:13:A:LEU:HG	1:13:A:LEU:H	12	0.36
(2,1771)	1:97:A:ARG:HG3	1:98:A:LEU:H	7	0.36
(2,1771)	1:97:A:ARG:HG3	1:98:A:LEU:H	13	0.36
(2,1771)	1:97:A:ARG:HG3	1:98:A:LEU:H	16	0.36
(2,1763)	1:41:A:THR:HG21	1:40:A:HIS:HB2	2	0.36
(2,1763)	1:41:A:THR:HG22	1:40:A:HIS:HB2	2	0.36
(2,1763)	1:41:A:THR:HG23	1:40:A:HIS:HB2	2	0.36
(2,1763)	1:41:A:THR:HG21	1:40:A:HIS:HB2	5	0.36
(2,1763)	1:41:A:THR:HG22	1:40:A:HIS:HB2	5	0.36
(2,1763)	1:41:A:THR:HG23	1:40:A:HIS:HB2	5	0.36
(2,1763)	1:41:A:THR:HG21	1:40:A:HIS:HB2	15	0.36
(2,1763)	1:41:A:THR:HG22	1:40:A:HIS:HB2	15	0.36
(2,1763)	1:41:A:THR:HG23	1:40:A:HIS:HB2	15	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1729)	1:93:A:HIS:HA	1:90:A:LEU:HA	1	0.36
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD21	7	0.36
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD22	7	0.36
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD23	7	0.36
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD21	8	0.36
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD22	8	0.36
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD23	8	0.36
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD21	10	0.36
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD22	10	0.36
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD23	10	0.36
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD21	11	0.36
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD22	11	0.36
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD23	11	0.36
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD21	12	0.36
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD22	12	0.36
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD23	12	0.36
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD21	16	0.36
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD22	16	0.36
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD23	16	0.36
(2,1663)	1:90:A:LEU:HA	1:84:A:HIS:HB3	2	0.36
(2,1659)	1:89:A:ALA:HB1	1:90:A:LEU:H	8	0.36
(2,1659)	1:89:A:ALA:HB2	1:90:A:LEU:H	8	0.36
(2,1659)	1:89:A:ALA:HB3	1:90:A:LEU:H	8	0.36
(2,1601)	1:86:A:THR:HB	1:87:A:PRO:HD2	15	0.36
(2,1567)	1:83:A:ASP:HB3	1:83:A:ASP:H	3	0.36
(2,1539)	1:98:A:LEU:HB2	1:99:A:THR:H	13	0.36
(2,1524)	1:16:A:LEU:HB3	1:16:A:LEU:HA	1	0.36
(2,1524)	1:16:A:LEU:HB3	1:16:A:LEU:HA	4	0.36
(2,1524)	1:16:A:LEU:HB3	1:16:A:LEU:HA	5	0.36
(2,1524)	1:16:A:LEU:HB3	1:16:A:LEU:HA	14	0.36
(2,1524)	1:16:A:LEU:HB3	1:16:A:LEU:HA	16	0.36
(2,1521)	1:16:A:LEU:HB2	1:21:A:GLN:HG2	4	0.36
(2,1498)	1:79:A:THR:HA	1:82:A:PHE:HB2	15	0.36
(2,1483)	1:60:A:THR:HA	1:63:A:GLU:HB2	5	0.36
(2,1483)	1:60:A:THR:HA	1:63:A:GLU:HB2	14	0.36
(2,1468)	1:74:A:LEU:HA	1:75:A:ASP:H	15	0.36
(2,1412)	1:56:A:ILE:HD11	1:33:A:THR:HB	9	0.36
(2,1412)	1:56:A:ILE:HD12	1:33:A:THR:HB	9	0.36
(2,1412)	1:56:A:ILE:HD13	1:33:A:THR:HB	9	0.36
(2,1408)	1:56:A:ILE:HD11	1:54:A:LEU:H	6	0.36
(2,1408)	1:56:A:ILE:HD12	1:54:A:LEU:H	6	0.36
(2,1408)	1:56:A:ILE:HD13	1:54:A:LEU:H	6	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1408)	1:56:A:ILE:HD11	1:54:A:LEU:H	7	0.36
(2,1408)	1:56:A:ILE:HD12	1:54:A:LEU:H	7	0.36
(2,1408)	1:56:A:ILE:HD13	1:54:A:LEU:H	7	0.36
(2,1408)	1:56:A:ILE:HD11	1:54:A:LEU:H	13	0.36
(2,1408)	1:56:A:ILE:HD12	1:54:A:LEU:H	13	0.36
(2,1408)	1:56:A:ILE:HD13	1:54:A:LEU:H	13	0.36
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD21	16	0.36
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD22	16	0.36
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD23	16	0.36
(2,1363)	1:93:A:HIS:HB3	1:93:A:HIS:H	2	0.36
(2,1363)	1:93:A:HIS:HB3	1:93:A:HIS:H	13	0.36
(2,1197)	1:60:A:THR:HG21	1:63:A:GLU:HB2	14	0.36
(2,1197)	1:60:A:THR:HG22	1:63:A:GLU:HB2	14	0.36
(2,1197)	1:60:A:THR:HG23	1:63:A:GLU:HB2	14	0.36
(2,1192)	1:62:A:LEU:HB2	1:65:A:ARG:HB2	7	0.36
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB1	11	0.36
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB2	11	0.36
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB3	11	0.36
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB1	11	0.36
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB2	11	0.36
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB3	11	0.36
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB1	11	0.36
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB2	11	0.36
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB3	11	0.36
(2,1053)	1:52:A:LYS:HG2	1:52:A:LYS:HA	14	0.36
(2,1044)	1:52:A:LYS:HB2	1:52:A:LYS:HE2	3	0.36
(2,1030)	1:51:A:PHE:HB2	1:81:A:ILE:HG13	15	0.36
(2,1029)	1:51:A:PHE:HB3	1:52:A:LYS:HG2	9	0.36
(2,976)	1:49:A:THR:HB	1:50:A:ALA:H	1	0.36
(2,946)	1:47:A:PRO:HD3	1:46:A:SER:HA	4	0.36
(2,946)	1:47:A:PRO:HD3	1:46:A:SER:HA	5	0.36
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG21	11	0.36
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG22	11	0.36
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG23	11	0.36
(2,852)	1:74:A:LEU:HD21	1:73:A:GLY:HA2	15	0.36
(2,852)	1:74:A:LEU:HD22	1:73:A:GLY:HA2	15	0.36
(2,852)	1:74:A:LEU:HD23	1:73:A:GLY:HA2	15	0.36
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG21	4	0.36
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG22	4	0.36
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG23	4	0.36
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG21	6	0.36
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG22	6	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG23	6	0.36
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG21	4	0.36
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG22	4	0.36
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG23	4	0.36
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG21	6	0.36
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG22	6	0.36
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG23	6	0.36
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG21	7	0.36
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG22	7	0.36
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG23	7	0.36
(2,745)	1:33:A:THR:HA	1:30:A:ALA:HA	8	0.36
(2,745)	1:33:A:THR:HA	1:30:A:ALA:HA	14	0.36
(2,682)	1:62:A:LEU:HD11	1:78:A:PRO:HB2	6	0.36
(2,682)	1:62:A:LEU:HD12	1:78:A:PRO:HB2	6	0.36
(2,682)	1:62:A:LEU:HD13	1:78:A:PRO:HB2	6	0.36
(2,679)	1:29:A:VAL:HG11	1:33:A:THR:HG1	4	0.36
(2,679)	1:29:A:VAL:HG12	1:33:A:THR:HG1	4	0.36
(2,679)	1:29:A:VAL:HG13	1:33:A:THR:HG1	4	0.36
(2,636)	1:28:A:LEU:HG	1:29:A:VAL:HA	3	0.36
(2,636)	1:28:A:LEU:HG	1:29:A:VAL:HA	6	0.36
(2,636)	1:28:A:LEU:HG	1:29:A:VAL:HA	7	0.36
(2,636)	1:28:A:LEU:HG	1:29:A:VAL:HA	13	0.36
(2,564)	1:28:A:LEU:HD11	1:71:A:ASN:HB3	2	0.36
(2,564)	1:28:A:LEU:HD12	1:71:A:ASN:HB3	2	0.36
(2,564)	1:28:A:LEU:HD13	1:71:A:ASN:HB3	2	0.36
(2,564)	1:28:A:LEU:HD11	1:71:A:ASN:HB3	11	0.36
(2,564)	1:28:A:LEU:HD12	1:71:A:ASN:HB3	11	0.36
(2,564)	1:28:A:LEU:HD13	1:71:A:ASN:HB3	11	0.36
(2,471)	1:22:A:GLN:HA	1:25:A:LEU:HB3	10	0.36
(2,414)	1:9:A:LEU:HA	1:8:A:ASP:HB2	3	0.36
(2,414)	1:9:A:LEU:HA	1:8:A:ASP:HB2	5	0.36
(2,414)	1:9:A:LEU:HA	1:8:A:ASP:HB2	8	0.36
(2,366)	1:17:A:SER:HB3	1:17:A:SER:HA	2	0.36
(2,364)	1:17:A:SER:HB2	1:17:A:SER:H	7	0.36
(2,364)	1:17:A:SER:HB2	1:17:A:SER:H	13	0.36
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD21	15	0.36
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD22	15	0.36
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD23	15	0.36
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD21	1	0.36
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD22	1	0.36
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD23	1	0.36
(2,321)	1:87:A:PRO:HD3	1:86:A:THR:HA	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,321)	1:87:A:PRO:HD3	1:86:A:THR:HA	16	0.36
(2,204)	1:9:A:LEU:HB3	1:10:A:ALA:H	16	0.36
(2,116)	1:6:A:ALA:HB1	1:10:A:ALA:H	11	0.36
(2,116)	1:6:A:ALA:HB2	1:10:A:ALA:H	11	0.36
(2,116)	1:6:A:ALA:HB3	1:10:A:ALA:H	11	0.36
(2,63)	1:81:A:ILE:HD11	1:64:A:LEU:HB3	11	0.36
(2,63)	1:81:A:ILE:HD12	1:64:A:LEU:HB3	11	0.36
(2,63)	1:81:A:ILE:HD13	1:64:A:LEU:HB3	11	0.36
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD11	7	0.36
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD12	7	0.36
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD13	7	0.36
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD11	7	0.36
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD12	7	0.36
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD13	7	0.36
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD11	7	0.36
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD12	7	0.36
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD13	7	0.36
(2,52)	1:51:A:PHE:HD1	1:85:A:PRO:HA	9	0.36
(2,52)	1:51:A:PHE:HD2	1:85:A:PRO:HA	9	0.36
(1,602)	1:57:A:ASP:H	1:57:A:ASP:HB3	5	0.36
(1,599)	1:33:A:THR:H	1:33:A:THR:HG1	8	0.36
(1,599)	1:33:A:THR:H	1:33:A:THR:HG1	13	0.36
(1,590)	1:96:A:THR:H	1:97:A:ARG:H	11	0.36
(1,438)	1:75:A:ASP:H	1:76:A:LEU:H	9	0.36
(1,438)	1:75:A:ASP:H	1:76:A:LEU:H	14	0.36
(1,409)	1:4:A:SER:H	1:4:A:SER:HB2	6	0.36
(1,368)	1:94:A:LEU:H	1:93:A:HIS:HB3	9	0.36
(1,342)	1:66:A:ASN:H	1:66:A:ASN:HB2	7	0.36
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB1	8	0.36
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB2	8	0.36
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB3	8	0.36
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD11	8	0.36
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD12	8	0.36
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD13	8	0.36
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD11	14	0.36
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD12	14	0.36
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD13	14	0.36
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD21	2	0.36
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD22	2	0.36
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD23	2	0.36
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD21	4	0.36
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD22	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD23	4	0.36
(1,249)	1:99:A:THR:H	1:98:A:LEU:HB2	3	0.36
(1,208)	1:48:A:ALA:H	1:47:A:PRO:HG3	1	0.36
(1,208)	1:48:A:ALA:H	1:47:A:PRO:HG3	2	0.36
(1,208)	1:48:A:ALA:H	1:47:A:PRO:HG3	6	0.36
(1,189)	1:53:A:ASP:H	1:53:A:ASP:HB3	4	0.36
(1,189)	1:53:A:ASP:H	1:53:A:ASP:HB3	7	0.36
(1,189)	1:53:A:ASP:H	1:53:A:ASP:HB3	12	0.36
(1,189)	1:53:A:ASP:H	1:53:A:ASP:HB3	13	0.36
(1,189)	1:53:A:ASP:H	1:53:A:ASP:HB3	16	0.36
(1,73)	1:65:A:ARG:H	1:64:A:LEU:H	1	0.36
(1,73)	1:65:A:ARG:H	1:64:A:LEU:H	3	0.36
(1,73)	1:65:A:ARG:H	1:64:A:LEU:H	16	0.36
(1,21)	1:7:A:THR:H	1:6:A:ALA:H	4	0.36
(1,11)	1:96:A:THR:H	1:95:A:HIS:H	15	0.36
(2,1898)	1:30:A:ALA:HB1	1:42:A:PRO:HB3	6	0.35
(2,1898)	1:30:A:ALA:HB2	1:42:A:PRO:HB3	6	0.35
(2,1898)	1:30:A:ALA:HB3	1:42:A:PRO:HB3	6	0.35
(2,1888)	1:13:A:LEU:HG	1:13:A:LEU:H	13	0.35
(2,1881)	1:13:A:LEU:HG	1:9:A:LEU:HG	7	0.35
(2,1864)	1:65:A:ARG:HD3	1:66:A:ASN:HA	15	0.35
(2,1806)	1:100:A:GLN:HG3	1:97:A:ARG:HA	6	0.35
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG21	6	0.35
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG22	6	0.35
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG23	6	0.35
(2,1772)	1:97:A:ARG:HD3	1:97:A:ARG:HD2	9	0.35
(2,1772)	1:97:A:ARG:HD3	1:97:A:ARG:HD2	16	0.35
(2,1763)	1:41:A:THR:HG21	1:40:A:HIS:HB2	14	0.35
(2,1763)	1:41:A:THR:HG22	1:40:A:HIS:HB2	14	0.35
(2,1763)	1:41:A:THR:HG23	1:40:A:HIS:HB2	14	0.35
(2,1729)	1:93:A:HIS:HA	1:90:A:LEU:HA	7	0.35
(2,1722)	1:92:A:GLN:HG3	1:92:A:GLN:H	5	0.35
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD11	4	0.35
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD12	4	0.35
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD13	4	0.35
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD11	4	0.35
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD12	4	0.35
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD13	4	0.35
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD11	4	0.35
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD12	4	0.35
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD13	4	0.35
(2,1680)	1:90:A:LEU:HD21	1:51:A:PHE:HZ	11	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1680)	1:90:A:LEU:HD22	1:51:A:PHE:HZ	11	0.35
(2,1680)	1:90:A:LEU:HD23	1:51:A:PHE:HZ	11	0.35
(2,1677)	1:90:A:LEU:HG	1:90:A:LEU:HA	13	0.35
(2,1677)	1:90:A:LEU:HG	1:90:A:LEU:HA	14	0.35
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD21	4	0.35
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD22	4	0.35
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD23	4	0.35
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD21	6	0.35
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD22	6	0.35
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD23	6	0.35
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD21	13	0.35
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD22	13	0.35
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD23	13	0.35
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD21	14	0.35
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD22	14	0.35
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD23	14	0.35
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD21	15	0.35
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD22	15	0.35
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD23	15	0.35
(2,1567)	1:83:A:ASP:HB3	1:83:A:ASP:H	11	0.35
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD1	13	0.35
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD2	13	0.35
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD1	15	0.35
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD2	15	0.35
(2,1540)	1:98:A:LEU:HB2	1:95:A:HIS:HA	11	0.35
(2,1524)	1:16:A:LEU:HB3	1:16:A:LEU:HA	2	0.35
(2,1524)	1:16:A:LEU:HB3	1:16:A:LEU:HA	8	0.35
(2,1524)	1:16:A:LEU:HB3	1:16:A:LEU:HA	12	0.35
(2,1483)	1:60:A:THR:HA	1:63:A:GLU:HB2	6	0.35
(2,1481)	1:78:A:PRO:HA	1:80:A:LEU:H	8	0.35
(2,1480)	1:78:A:PRO:HA	1:79:A:THR:H	2	0.35
(2,1412)	1:56:A:ILE:HD11	1:33:A:THR:HB	1	0.35
(2,1412)	1:56:A:ILE:HD12	1:33:A:THR:HB	1	0.35
(2,1412)	1:56:A:ILE:HD13	1:33:A:THR:HB	1	0.35
(2,1408)	1:56:A:ILE:HD11	1:54:A:LEU:H	10	0.35
(2,1408)	1:56:A:ILE:HD12	1:54:A:LEU:H	10	0.35
(2,1408)	1:56:A:ILE:HD13	1:54:A:LEU:H	10	0.35
(2,1408)	1:56:A:ILE:HD11	1:54:A:LEU:H	11	0.35
(2,1408)	1:56:A:ILE:HD12	1:54:A:LEU:H	11	0.35
(2,1408)	1:56:A:ILE:HD13	1:54:A:LEU:H	11	0.35
(2,1363)	1:93:A:HIS:HB3	1:93:A:HIS:H	3	0.35
(2,1334)	1:69:A:THR:HA	1:74:A:LEU:H	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG11	14	0.35
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG12	14	0.35
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG13	14	0.35
(2,1204)	1:62:A:LEU:HG	1:59:A:LEU:HA	5	0.35
(2,1203)	1:62:A:LEU:HG	1:63:A:GLU:H	11	0.35
(2,1194)	1:63:A:GLU:HB2	1:64:A:LEU:H	14	0.35
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB1	9	0.35
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB2	9	0.35
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB3	9	0.35
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB1	9	0.35
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB2	9	0.35
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB3	9	0.35
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB1	9	0.35
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB2	9	0.35
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB3	9	0.35
(2,1053)	1:52:A:LYS:HG2	1:52:A:LYS:HA	5	0.35
(2,1047)	1:52:A:LYS:HB2	1:53:A:ASP:H	13	0.35
(2,1047)	1:52:A:LYS:HB2	1:53:A:ASP:H	16	0.35
(2,1044)	1:52:A:LYS:HB2	1:52:A:LYS:HE2	11	0.35
(2,1043)	1:52:A:LYS:HB3	1:52:A:LYS:HE2	15	0.35
(2,1030)	1:51:A:PHE:HB2	1:81:A:ILE:HG13	13	0.35
(2,1030)	1:51:A:PHE:HB2	1:81:A:ILE:HG13	16	0.35
(2,1007)	1:39:A:HIS:HA	1:39:A:HIS:HD2	11	0.35
(2,946)	1:47:A:PRO:HD3	1:46:A:SER:HA	1	0.35
(2,946)	1:47:A:PRO:HD3	1:46:A:SER:HA	13	0.35
(2,943)	1:46:A:SER:HA	1:47:A:PRO:HG2	10	0.35
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG21	2	0.35
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG22	2	0.35
(2,890)	1:41:A:THR:HA	1:41:A:THR:HG23	2	0.35
(2,884)	1:42:A:PRO:HD3	1:42:A:PRO:HB2	1	0.35
(2,884)	1:42:A:PRO:HD3	1:42:A:PRO:HB2	6	0.35
(2,884)	1:42:A:PRO:HD3	1:42:A:PRO:HB2	8	0.35
(2,884)	1:42:A:PRO:HD3	1:42:A:PRO:HB2	9	0.35
(2,884)	1:42:A:PRO:HD3	1:42:A:PRO:HB2	11	0.35
(2,884)	1:42:A:PRO:HD3	1:42:A:PRO:HB2	12	0.35
(2,884)	1:42:A:PRO:HD3	1:42:A:PRO:HB2	16	0.35
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG21	10	0.35
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG22	10	0.35
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG23	10	0.35
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG21	11	0.35
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG22	11	0.35
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG23	11	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG21	16	0.35
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG22	16	0.35
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG23	16	0.35
(2,745)	1:33:A:THR:HA	1:30:A:ALA:HA	10	0.35
(2,745)	1:33:A:THR:HA	1:30:A:ALA:HA	13	0.35
(2,698)	1:83:A:ASP:HA	1:82:A:PHE:H	16	0.35
(2,679)	1:29:A:VAL:HG11	1:33:A:THR:HG1	12	0.35
(2,679)	1:29:A:VAL:HG12	1:33:A:THR:HG1	12	0.35
(2,679)	1:29:A:VAL:HG13	1:33:A:THR:HG1	12	0.35
(2,648)	1:28:A:LEU:HD21	1:71:A:ASN:HB3	8	0.35
(2,648)	1:28:A:LEU:HD22	1:71:A:ASN:HB3	8	0.35
(2,648)	1:28:A:LEU:HD23	1:71:A:ASN:HB3	8	0.35
(2,648)	1:28:A:LEU:HD21	1:71:A:ASN:HB3	9	0.35
(2,648)	1:28:A:LEU:HD22	1:71:A:ASN:HB3	9	0.35
(2,648)	1:28:A:LEU:HD23	1:71:A:ASN:HB3	9	0.35
(2,636)	1:28:A:LEU:HG	1:29:A:VAL:HA	1	0.35
(2,636)	1:28:A:LEU:HG	1:29:A:VAL:HA	4	0.35
(2,636)	1:28:A:LEU:HG	1:29:A:VAL:HA	8	0.35
(2,619)	1:28:A:LEU:HB3	1:28:A:LEU:HB2	1	0.35
(2,619)	1:28:A:LEU:HB3	1:28:A:LEU:HB2	2	0.35
(2,619)	1:28:A:LEU:HB3	1:28:A:LEU:HB2	3	0.35
(2,619)	1:28:A:LEU:HB3	1:28:A:LEU:HB2	4	0.35
(2,619)	1:28:A:LEU:HB3	1:28:A:LEU:HB2	5	0.35
(2,619)	1:28:A:LEU:HB3	1:28:A:LEU:HB2	6	0.35
(2,619)	1:28:A:LEU:HB3	1:28:A:LEU:HB2	7	0.35
(2,619)	1:28:A:LEU:HB3	1:28:A:LEU:HB2	8	0.35
(2,619)	1:28:A:LEU:HB3	1:28:A:LEU:HB2	9	0.35
(2,619)	1:28:A:LEU:HB3	1:28:A:LEU:HB2	10	0.35
(2,619)	1:28:A:LEU:HB3	1:28:A:LEU:HB2	11	0.35
(2,619)	1:28:A:LEU:HB3	1:28:A:LEU:HB2	12	0.35
(2,619)	1:28:A:LEU:HB3	1:28:A:LEU:HB2	13	0.35
(2,619)	1:28:A:LEU:HB3	1:28:A:LEU:HB2	14	0.35
(2,619)	1:28:A:LEU:HB3	1:28:A:LEU:HB2	15	0.35
(2,619)	1:28:A:LEU:HB3	1:28:A:LEU:HB2	16	0.35
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB1	2	0.35
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB2	2	0.35
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB3	2	0.35
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB1	5	0.35
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB2	5	0.35
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB3	5	0.35
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB1	9	0.35
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB2	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB3	9	0.35
(2,580)	1:26:A:ALA:HB1	1:28:A:LEU:H	1	0.35
(2,580)	1:26:A:ALA:HB2	1:28:A:LEU:H	1	0.35
(2,580)	1:26:A:ALA:HB3	1:28:A:LEU:H	1	0.35
(2,580)	1:26:A:ALA:HB1	1:28:A:LEU:H	4	0.35
(2,580)	1:26:A:ALA:HB2	1:28:A:LEU:H	4	0.35
(2,580)	1:26:A:ALA:HB3	1:28:A:LEU:H	4	0.35
(2,571)	1:32:A:ALA:HA	1:34:A:ALA:H	2	0.35
(2,511)	1:23:A:GLN:HG3	1:20:A:GLN:HA	3	0.35
(2,414)	1:9:A:LEU:HA	1:8:A:ASP:HB2	4	0.35
(2,412)	1:19:A:GLN:HB2	1:19:A:GLN:H	12	0.35
(2,412)	1:19:A:GLN:HB2	1:19:A:GLN:H	16	0.35
(2,395)	1:80:A:LEU:HA	1:83:A:ASP:HB3	11	0.35
(2,366)	1:17:A:SER:HB3	1:17:A:SER:HA	13	0.35
(2,335)	1:14:A:ASN:HB2	1:13:A:LEU:HB3	3	0.35
(2,321)	1:87:A:PRO:HD3	1:86:A:THR:HA	1	0.35
(2,321)	1:87:A:PRO:HD3	1:86:A:THR:HA	3	0.35
(2,321)	1:87:A:PRO:HD3	1:86:A:THR:HA	6	0.35
(2,321)	1:87:A:PRO:HD3	1:86:A:THR:HA	7	0.35
(2,321)	1:87:A:PRO:HD3	1:86:A:THR:HA	12	0.35
(2,321)	1:87:A:PRO:HD3	1:86:A:THR:HA	13	0.35
(2,321)	1:87:A:PRO:HD3	1:86:A:THR:HA	15	0.35
(2,296)	1:68:A:LEU:HB2	1:68:A:LEU:H	12	0.35
(2,295)	1:59:A:LEU:HB2	1:60:A:THR:H	16	0.35
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD11	6	0.35
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD12	6	0.35
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD13	6	0.35
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD11	6	0.35
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD12	6	0.35
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD13	6	0.35
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD11	6	0.35
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD12	6	0.35
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD13	6	0.35
(2,204)	1:9:A:LEU:HB3	1:10:A:ALA:H	6	0.35
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD21	15	0.35
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD22	15	0.35
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD23	15	0.35
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD21	15	0.35
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD22	15	0.35
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD23	15	0.35
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD21	15	0.35
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD22	15	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD23	15	0.35
(2,117)	1:6:A:ALA:HA	1:4:A:SER:HA	15	0.35
(2,116)	1:6:A:ALA:HB1	1:10:A:ALA:H	8	0.35
(2,116)	1:6:A:ALA:HB2	1:10:A:ALA:H	8	0.35
(2,116)	1:6:A:ALA:HB3	1:10:A:ALA:H	8	0.35
(2,116)	1:6:A:ALA:HB1	1:10:A:ALA:H	12	0.35
(2,116)	1:6:A:ALA:HB2	1:10:A:ALA:H	12	0.35
(2,116)	1:6:A:ALA:HB3	1:10:A:ALA:H	12	0.35
(2,71)	1:81:A:ILE:HD11	1:81:A:ILE:HA	7	0.35
(2,71)	1:81:A:ILE:HD12	1:81:A:ILE:HA	7	0.35
(2,71)	1:81:A:ILE:HD13	1:81:A:ILE:HA	7	0.35
(2,34)	1:90:A:LEU:HB3	1:51:A:PHE:HZ	16	0.35
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG21	3	0.35
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG22	3	0.35
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG23	3	0.35
(2,6)	1:9:A:LEU:HD11	1:10:A:ALA:H	3	0.35
(2,6)	1:9:A:LEU:HD12	1:10:A:ALA:H	3	0.35
(2,6)	1:9:A:LEU:HD13	1:10:A:ALA:H	3	0.35
(1,599)	1:33:A:THR:H	1:33:A:THR:HG1	5	0.35
(1,599)	1:33:A:THR:H	1:33:A:THR:HG1	10	0.35
(1,599)	1:33:A:THR:H	1:33:A:THR:HG1	12	0.35
(1,590)	1:96:A:THR:H	1:97:A:ARG:H	15	0.35
(1,527)	1:93:A:HIS:H	1:92:A:GLN:HB3	9	0.35
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB1	1	0.35
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB2	1	0.35
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB3	1	0.35
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB1	4	0.35
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB2	4	0.35
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB3	4	0.35
(1,479)	1:68:A:LEU:H	1:68:A:LEU:HG	8	0.35
(1,398)	1:44:A:SER:H	1:43:A:GLU:HG2	1	0.35
(1,398)	1:44:A:SER:H	1:43:A:GLU:HG2	12	0.35
(1,368)	1:94:A:LEU:H	1:93:A:HIS:HB3	3	0.35
(1,368)	1:94:A:LEU:H	1:93:A:HIS:HB3	13	0.35
(1,349)	1:17:A:SER:H	1:20:A:GLN:HB2	3	0.35
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD21	15	0.35
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD22	15	0.35
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD23	15	0.35
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD11	2	0.35
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD12	2	0.35
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD13	2	0.35
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD11	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD12	6	0.35
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD13	6	0.35
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD21	6	0.35
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD22	6	0.35
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD23	6	0.35
(1,233)	1:102:A:HIS:H	1:102:A:HIS:HB2	4	0.35
(1,233)	1:102:A:HIS:H	1:102:A:HIS:HB2	7	0.35
(1,189)	1:53:A:ASP:H	1:53:A:ASP:HB3	8	0.35
(1,189)	1:53:A:ASP:H	1:53:A:ASP:HB3	9	0.35
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB1	11	0.35
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB2	11	0.35
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB3	11	0.35
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB1	13	0.35
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB2	13	0.35
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB3	13	0.35
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB1	16	0.35
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB2	16	0.35
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB3	16	0.35
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG21	3	0.35
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG22	3	0.35
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG23	3	0.35
(1,82)	1:86:A:THR:H	1:84:A:HIS:HB2	7	0.35
(1,80)	1:86:A:THR:H	1:85:A:PRO:HD2	9	0.35
(1,73)	1:65:A:ARG:H	1:64:A:LEU:H	4	0.35
(1,73)	1:65:A:ARG:H	1:64:A:LEU:H	10	0.35
(1,56)	1:60:A:THR:H	1:59:A:LEU:HB2	10	0.35
(1,22)	1:43:A:GLU:H	1:44:A:SER:H	9	0.35
(1,22)	1:43:A:GLU:H	1:44:A:SER:H	11	0.35
(1,21)	1:7:A:THR:H	1:6:A:ALA:H	7	0.35
(1,17)	1:100:A:GLN:H	1:99:A:THR:H	7	0.35
(2,1888)	1:13:A:LEU:HG	1:13:A:LEU:H	5	0.34
(2,1888)	1:13:A:LEU:HG	1:13:A:LEU:H	10	0.34
(2,1888)	1:13:A:LEU:HG	1:13:A:LEU:H	11	0.34
(2,1858)	1:25:A:LEU:HG	1:21:A:GLN:HA	8	0.34
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG21	2	0.34
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG22	2	0.34
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG23	2	0.34
(2,1783)	1:98:A:LEU:HD11	1:98:A:LEU:H	5	0.34
(2,1783)	1:98:A:LEU:HD12	1:98:A:LEU:H	5	0.34
(2,1783)	1:98:A:LEU:HD13	1:98:A:LEU:H	5	0.34
(2,1772)	1:97:A:ARG:HD3	1:97:A:ARG:HD2	1	0.34
(2,1772)	1:97:A:ARG:HD3	1:97:A:ARG:HD2	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1772)	1:97:A:ARG:HD3	1:97:A:ARG:HD2	3	0.34
(2,1772)	1:97:A:ARG:HD3	1:97:A:ARG:HD2	4	0.34
(2,1772)	1:97:A:ARG:HD3	1:97:A:ARG:HD2	5	0.34
(2,1772)	1:97:A:ARG:HD3	1:97:A:ARG:HD2	6	0.34
(2,1772)	1:97:A:ARG:HD3	1:97:A:ARG:HD2	7	0.34
(2,1772)	1:97:A:ARG:HD3	1:97:A:ARG:HD2	8	0.34
(2,1772)	1:97:A:ARG:HD3	1:97:A:ARG:HD2	10	0.34
(2,1772)	1:97:A:ARG:HD3	1:97:A:ARG:HD2	11	0.34
(2,1772)	1:97:A:ARG:HD3	1:97:A:ARG:HD2	12	0.34
(2,1772)	1:97:A:ARG:HD3	1:97:A:ARG:HD2	13	0.34
(2,1772)	1:97:A:ARG:HD3	1:97:A:ARG:HD2	14	0.34
(2,1772)	1:97:A:ARG:HD3	1:97:A:ARG:HD2	15	0.34
(2,1771)	1:97:A:ARG:HG3	1:98:A:LEU:H	3	0.34
(2,1771)	1:97:A:ARG:HG3	1:98:A:LEU:H	15	0.34
(2,1729)	1:93:A:HIS:HA	1:90:A:LEU:HA	8	0.34
(2,1722)	1:92:A:GLN:HG3	1:92:A:GLN:H	14	0.34
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD11	5	0.34
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD12	5	0.34
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD13	5	0.34
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD11	5	0.34
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD12	5	0.34
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD13	5	0.34
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD11	5	0.34
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD12	5	0.34
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD13	5	0.34
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD11	6	0.34
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD12	6	0.34
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD13	6	0.34
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD11	6	0.34
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD12	6	0.34
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD13	6	0.34
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD11	6	0.34
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD12	6	0.34
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD13	6	0.34
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE1	1	0.34
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE2	1	0.34
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE1	1	0.34
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE2	1	0.34
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE1	1	0.34
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE2	1	0.34
(2,1677)	1:90:A:LEU:HG	1:90:A:LEU:HA	2	0.34
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD21	1	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD22	1	0.34
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD23	1	0.34
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD21	2	0.34
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD22	2	0.34
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD23	2	0.34
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD21	5	0.34
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD22	5	0.34
(2,1669)	1:90:A:LEU:HA	1:90:A:LEU:HD23	5	0.34
(2,1601)	1:86:A:THR:HB	1:87:A:PRO:HD2	1	0.34
(2,1601)	1:86:A:THR:HB	1:87:A:PRO:HD2	9	0.34
(2,1567)	1:83:A:ASP:HB3	1:83:A:ASP:H	15	0.34
(2,1567)	1:83:A:ASP:HB3	1:83:A:ASP:H	16	0.34
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD1	14	0.34
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD2	14	0.34
(2,1483)	1:60:A:THR:HA	1:63:A:GLU:HB2	4	0.34
(2,1483)	1:60:A:THR:HA	1:63:A:GLU:HB2	13	0.34
(2,1481)	1:78:A:PRO:HA	1:80:A:LEU:H	6	0.34
(2,1433)	1:71:A:ASN:HA	1:70:A:HIS:HD2	4	0.34
(2,1402)	1:45:A:ILE:HD11	1:44:A:SER:HB3	4	0.34
(2,1402)	1:45:A:ILE:HD12	1:44:A:SER:HB3	4	0.34
(2,1402)	1:45:A:ILE:HD13	1:44:A:SER:HB3	4	0.34
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD11	6	0.34
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD12	6	0.34
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD13	6	0.34
(2,1363)	1:93:A:HIS:HB3	1:93:A:HIS:H	15	0.34
(2,1363)	1:93:A:HIS:HB3	1:93:A:HIS:H	16	0.34
(2,1327)	1:68:A:LEU:HG	1:68:A:LEU:H	3	0.34
(2,1327)	1:68:A:LEU:HG	1:68:A:LEU:H	10	0.34
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD11	2	0.34
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD12	2	0.34
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD13	2	0.34
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD11	9	0.34
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD12	9	0.34
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD13	9	0.34
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG11	2	0.34
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG12	2	0.34
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG13	2	0.34
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG11	6	0.34
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG12	6	0.34
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG13	6	0.34
(2,1204)	1:62:A:LEU:HG	1:59:A:LEU:HA	12	0.34
(2,1194)	1:63:A:GLU:HB2	1:64:A:LEU:H	4	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1194)	1:63:A:GLU:HB2	1:64:A:LEU:H	6	0.34
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB1	15	0.34
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB2	15	0.34
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB3	15	0.34
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB1	15	0.34
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB2	15	0.34
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB3	15	0.34
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB1	15	0.34
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB2	15	0.34
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB3	15	0.34
(2,1133)	1:58:A:SER:HB3	1:59:A:LEU:HG	9	0.34
(2,1086)	1:55:A:GLY:HA3	1:55:A:GLY:HA2	1	0.34
(2,1086)	1:55:A:GLY:HA3	1:55:A:GLY:HA2	2	0.34
(2,1086)	1:55:A:GLY:HA3	1:55:A:GLY:HA2	3	0.34
(2,1086)	1:55:A:GLY:HA3	1:55:A:GLY:HA2	4	0.34
(2,1086)	1:55:A:GLY:HA3	1:55:A:GLY:HA2	5	0.34
(2,1086)	1:55:A:GLY:HA3	1:55:A:GLY:HA2	6	0.34
(2,1086)	1:55:A:GLY:HA3	1:55:A:GLY:HA2	7	0.34
(2,1086)	1:55:A:GLY:HA3	1:55:A:GLY:HA2	8	0.34
(2,1086)	1:55:A:GLY:HA3	1:55:A:GLY:HA2	9	0.34
(2,1086)	1:55:A:GLY:HA3	1:55:A:GLY:HA2	10	0.34
(2,1086)	1:55:A:GLY:HA3	1:55:A:GLY:HA2	11	0.34
(2,1086)	1:55:A:GLY:HA3	1:55:A:GLY:HA2	12	0.34
(2,1086)	1:55:A:GLY:HA3	1:55:A:GLY:HA2	13	0.34
(2,1086)	1:55:A:GLY:HA3	1:55:A:GLY:HA2	14	0.34
(2,1086)	1:55:A:GLY:HA3	1:55:A:GLY:HA2	15	0.34
(2,1086)	1:55:A:GLY:HA3	1:55:A:GLY:HA2	16	0.34
(2,1053)	1:52:A:LYS:HG2	1:52:A:LYS:HA	10	0.34
(2,1030)	1:51:A:PHE:HB2	1:81:A:ILE:HG13	1	0.34
(2,1030)	1:51:A:PHE:HB2	1:81:A:ILE:HG13	3	0.34
(2,1030)	1:51:A:PHE:HB2	1:81:A:ILE:HG13	7	0.34
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD11	7	0.34
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD12	7	0.34
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD13	7	0.34
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD11	7	0.34
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD12	7	0.34
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD13	7	0.34
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD11	7	0.34
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD12	7	0.34
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD13	7	0.34
(2,943)	1:46:A:SER:HA	1:47:A:PRO:HG2	2	0.34
(2,943)	1:46:A:SER:HA	1:47:A:PRO:HG2	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,943)	1:46:A:SER:HA	1:47:A:PRO:HG2	14	0.34
(2,943)	1:46:A:SER:HA	1:47:A:PRO:HG2	16	0.34
(2,932)	1:45:A:ILE:HG13	1:42:A:PRO:HA	5	0.34
(2,884)	1:42:A:PRO:HD3	1:42:A:PRO:HB2	7	0.34
(2,884)	1:42:A:PRO:HD3	1:42:A:PRO:HB2	14	0.34
(2,884)	1:42:A:PRO:HD3	1:42:A:PRO:HB2	15	0.34
(2,849)	1:74:A:LEU:HD21	1:74:A:LEU:H	10	0.34
(2,849)	1:74:A:LEU:HD22	1:74:A:LEU:H	10	0.34
(2,849)	1:74:A:LEU:HD23	1:74:A:LEU:H	10	0.34
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG21	13	0.34
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG22	13	0.34
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG23	13	0.34
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG21	15	0.34
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG22	15	0.34
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG23	15	0.34
(2,745)	1:33:A:THR:HA	1:30:A:ALA:HA	12	0.34
(2,745)	1:33:A:THR:HA	1:30:A:ALA:HA	16	0.34
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB1	9	0.34
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB2	9	0.34
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB3	9	0.34
(2,698)	1:83:A:ASP:HA	1:82:A:PHE:H	1	0.34
(2,698)	1:83:A:ASP:HA	1:82:A:PHE:H	2	0.34
(2,679)	1:29:A:VAL:HG11	1:33:A:THR:HG1	11	0.34
(2,679)	1:29:A:VAL:HG12	1:33:A:THR:HG1	11	0.34
(2,679)	1:29:A:VAL:HG13	1:33:A:THR:HG1	11	0.34
(2,641)	1:54:A:LEU:HG	1:54:A:LEU:HA	15	0.34
(2,636)	1:28:A:LEU:HG	1:29:A:VAL:HA	11	0.34
(2,636)	1:28:A:LEU:HG	1:29:A:VAL:HA	12	0.34
(2,636)	1:28:A:LEU:HG	1:29:A:VAL:HA	15	0.34
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB1	14	0.34
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB2	14	0.34
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB3	14	0.34
(2,580)	1:26:A:ALA:HB1	1:28:A:LEU:H	2	0.34
(2,580)	1:26:A:ALA:HB2	1:28:A:LEU:H	2	0.34
(2,580)	1:26:A:ALA:HB3	1:28:A:LEU:H	2	0.34
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG21	8	0.34
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG22	8	0.34
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG23	8	0.34
(2,564)	1:28:A:LEU:HD11	1:71:A:ASN:HB3	14	0.34
(2,564)	1:28:A:LEU:HD12	1:71:A:ASN:HB3	14	0.34
(2,564)	1:28:A:LEU:HD13	1:71:A:ASN:HB3	14	0.34
(2,478)	1:59:A:LEU:HG	1:60:A:THR:H	11	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD11	12	0.34
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD12	12	0.34
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD13	12	0.34
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD11	14	0.34
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD12	14	0.34
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD13	14	0.34
(2,471)	1:22:A:GLN:HA	1:25:A:LEU:HB3	2	0.34
(2,471)	1:22:A:GLN:HA	1:25:A:LEU:HB3	14	0.34
(2,466)	1:20:A:GLN:HB2	1:20:A:GLN:HB3	1	0.34
(2,466)	1:20:A:GLN:HB2	1:20:A:GLN:HB3	2	0.34
(2,466)	1:20:A:GLN:HB2	1:20:A:GLN:HB3	3	0.34
(2,466)	1:20:A:GLN:HB2	1:20:A:GLN:HB3	4	0.34
(2,466)	1:20:A:GLN:HB2	1:20:A:GLN:HB3	5	0.34
(2,466)	1:20:A:GLN:HB2	1:20:A:GLN:HB3	6	0.34
(2,466)	1:20:A:GLN:HB2	1:20:A:GLN:HB3	7	0.34
(2,466)	1:20:A:GLN:HB2	1:20:A:GLN:HB3	8	0.34
(2,466)	1:20:A:GLN:HB2	1:20:A:GLN:HB3	9	0.34
(2,466)	1:20:A:GLN:HB2	1:20:A:GLN:HB3	10	0.34
(2,466)	1:20:A:GLN:HB2	1:20:A:GLN:HB3	11	0.34
(2,466)	1:20:A:GLN:HB2	1:20:A:GLN:HB3	12	0.34
(2,466)	1:20:A:GLN:HB2	1:20:A:GLN:HB3	13	0.34
(2,466)	1:20:A:GLN:HB2	1:20:A:GLN:HB3	14	0.34
(2,466)	1:20:A:GLN:HB2	1:20:A:GLN:HB3	16	0.34
(2,423)	1:18:A:PRO:HA	1:21:A:GLN:HB2	6	0.34
(2,418)	1:21:A:GLN:HB2	1:22:A:GLN:H	15	0.34
(2,366)	1:17:A:SER:HB3	1:17:A:SER:HA	7	0.34
(2,364)	1:17:A:SER:HB2	1:17:A:SER:H	2	0.34
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD21	2	0.34
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD22	2	0.34
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD23	2	0.34
(2,345)	1:15:A:GLY:HA2	1:15:A:GLY:H	12	0.34
(2,337)	1:11:A:ALA:HA	1:14:A:ASN:HB2	6	0.34
(2,335)	1:14:A:ASN:HB2	1:13:A:LEU:HB3	8	0.34
(2,335)	1:14:A:ASN:HB2	1:13:A:LEU:HB3	10	0.34
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD21	5	0.34
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD22	5	0.34
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD23	5	0.34
(2,321)	1:87:A:PRO:HD3	1:86:A:THR:HA	14	0.34
(2,299)	1:13:A:LEU:HB2	1:14:A:ASN:H	7	0.34
(2,299)	1:13:A:LEU:HB2	1:14:A:ASN:H	12	0.34
(2,295)	1:59:A:LEU:HB2	1:60:A:THR:H	11	0.34
(2,262)	1:12:A:ARG:HB2	1:12:A:ARG:H	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,262)	1:12:A:ARG:HB2	1:12:A:ARG:H	6	0.34
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD11	3	0.34
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD12	3	0.34
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD13	3	0.34
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD11	3	0.34
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD12	3	0.34
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD13	3	0.34
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD11	3	0.34
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD12	3	0.34
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD13	3	0.34
(2,204)	1:9:A:LEU:HB3	1:10:A:ALA:H	3	0.34
(2,204)	1:9:A:LEU:HB3	1:10:A:ALA:H	8	0.34
(2,204)	1:9:A:LEU:HB3	1:10:A:ALA:H	10	0.34
(2,204)	1:9:A:LEU:HB3	1:10:A:ALA:H	11	0.34
(2,204)	1:9:A:LEU:HB3	1:10:A:ALA:H	12	0.34
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD21	9	0.34
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD22	9	0.34
(2,143)	1:33:A:THR:HG21	1:54:A:LEU:HD23	9	0.34
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD21	9	0.34
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD22	9	0.34
(2,143)	1:33:A:THR:HG22	1:54:A:LEU:HD23	9	0.34
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD21	9	0.34
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD22	9	0.34
(2,143)	1:33:A:THR:HG23	1:54:A:LEU:HD23	9	0.34
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB1	2	0.34
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB2	2	0.34
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB3	2	0.34
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB1	7	0.34
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB2	7	0.34
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB3	7	0.34
(2,116)	1:6:A:ALA:HB1	1:10:A:ALA:H	10	0.34
(2,116)	1:6:A:ALA:HB2	1:10:A:ALA:H	10	0.34
(2,116)	1:6:A:ALA:HB3	1:10:A:ALA:H	10	0.34
(2,73)	1:81:A:ILE:HD11	1:51:A:PHE:HA	7	0.34
(2,73)	1:81:A:ILE:HD12	1:51:A:PHE:HA	7	0.34
(2,73)	1:81:A:ILE:HD13	1:51:A:PHE:HA	7	0.34
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD11	15	0.34
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD12	15	0.34
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD13	15	0.34
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD11	15	0.34
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD12	15	0.34
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD13	15	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD11	15	0.34
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD12	15	0.34
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD13	15	0.34
(2,34)	1:90:A:LEU:HB3	1:51:A:PHE:HZ	2	0.34
(1,590)	1:96:A:THR:H	1:97:A:ARG:H	2	0.34
(1,569)	1:98:A:LEU:H	1:98:A:LEU:HD21	11	0.34
(1,569)	1:98:A:LEU:H	1:98:A:LEU:HD22	11	0.34
(1,569)	1:98:A:LEU:H	1:98:A:LEU:HD23	11	0.34
(1,568)	1:98:A:LEU:H	1:98:A:LEU:HD11	5	0.34
(1,568)	1:98:A:LEU:H	1:98:A:LEU:HD12	5	0.34
(1,568)	1:98:A:LEU:H	1:98:A:LEU:HD13	5	0.34
(1,561)	1:22:A:GLN:H	1:21:A:GLN:HB2	11	0.34
(1,527)	1:93:A:HIS:H	1:92:A:GLN:HB3	16	0.34
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB1	2	0.34
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB2	2	0.34
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB3	2	0.34
(1,424)	1:90:A:LEU:H	1:51:A:PHE:HZ	9	0.34
(1,398)	1:44:A:SER:H	1:43:A:GLU:HG2	4	0.34
(1,390)	1:65:A:ARG:HE	1:65:A:ARG:HD3	14	0.34
(1,368)	1:94:A:LEU:H	1:93:A:HIS:HB3	2	0.34
(1,368)	1:94:A:LEU:H	1:93:A:HIS:HB3	5	0.34
(1,368)	1:94:A:LEU:H	1:93:A:HIS:HB3	12	0.34
(1,368)	1:94:A:LEU:H	1:93:A:HIS:HB3	15	0.34
(1,342)	1:66:A:ASN:H	1:66:A:ASN:HB2	4	0.34
(1,342)	1:66:A:ASN:H	1:66:A:ASN:HB2	16	0.34
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD21	2	0.34
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD22	2	0.34
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD23	2	0.34
(1,270)	1:81:A:ILE:H	1:81:A:ILE:HG12	11	0.34
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD21	11	0.34
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD22	11	0.34
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD23	11	0.34
(1,233)	1:102:A:HIS:H	1:102:A:HIS:HB2	12	0.34
(1,189)	1:53:A:ASP:H	1:53:A:ASP:HB3	10	0.34
(1,185)	1:16:A:LEU:H	1:16:A:LEU:HD21	3	0.34
(1,185)	1:16:A:LEU:H	1:16:A:LEU:HD22	3	0.34
(1,185)	1:16:A:LEU:H	1:16:A:LEU:HD23	3	0.34
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB1	2	0.34
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB2	2	0.34
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB3	2	0.34
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB1	4	0.34
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB2	4	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB3	4	0.34
(1,128)	1:69:A:THR:H	1:69:A:THR:HG21	10	0.34
(1,128)	1:69:A:THR:H	1:69:A:THR:HG22	10	0.34
(1,128)	1:69:A:THR:H	1:69:A:THR:HG23	10	0.34
(1,73)	1:65:A:ARG:H	1:64:A:LEU:H	2	0.34
(1,73)	1:65:A:ARG:H	1:64:A:LEU:H	5	0.34
(1,56)	1:60:A:THR:H	1:59:A:LEU:HB2	14	0.34
(1,44)	1:79:A:THR:H	1:78:A:PRO:HA	12	0.34
(1,33)	1:54:A:LEU:H	1:55:A:GLY:H	9	0.34
(1,25)	1:83:A:ASP:H	1:84:A:HIS:H	2	0.34
(1,21)	1:7:A:THR:H	1:6:A:ALA:H	2	0.34
(1,11)	1:96:A:THR:H	1:95:A:HIS:H	13	0.34
(2,1888)	1:13:A:LEU:HG	1:13:A:LEU:H	8	0.33
(2,1881)	1:13:A:LEU:HG	1:9:A:LEU:HG	4	0.33
(2,1881)	1:13:A:LEU:HG	1:9:A:LEU:HG	6	0.33
(2,1879)	1:90:A:LEU:HD11	1:90:A:LEU:H	12	0.33
(2,1879)	1:90:A:LEU:HD12	1:90:A:LEU:H	12	0.33
(2,1879)	1:90:A:LEU:HD13	1:90:A:LEU:H	12	0.33
(2,1858)	1:25:A:LEU:HG	1:21:A:GLN:HA	9	0.33
(2,1807)	1:100:A:GLN:HG3	1:96:A:THR:HA	5	0.33
(2,1771)	1:97:A:ARG:HG3	1:98:A:LEU:H	6	0.33
(2,1771)	1:97:A:ARG:HG3	1:98:A:LEU:H	8	0.33
(2,1771)	1:97:A:ARG:HG3	1:98:A:LEU:H	10	0.33
(2,1771)	1:97:A:ARG:HG3	1:98:A:LEU:H	11	0.33
(2,1729)	1:93:A:HIS:HA	1:90:A:LEU:HA	15	0.33
(2,1680)	1:90:A:LEU:HD21	1:51:A:PHE:HZ	3	0.33
(2,1680)	1:90:A:LEU:HD22	1:51:A:PHE:HZ	3	0.33
(2,1680)	1:90:A:LEU:HD23	1:51:A:PHE:HZ	3	0.33
(2,1663)	1:90:A:LEU:HA	1:84:A:HIS:HB3	14	0.33
(2,1663)	1:90:A:LEU:HA	1:84:A:HIS:HB3	16	0.33
(2,1601)	1:86:A:THR:HB	1:87:A:PRO:HD2	7	0.33
(2,1601)	1:86:A:THR:HB	1:87:A:PRO:HD2	10	0.33
(2,1567)	1:83:A:ASP:HB3	1:83:A:ASP:H	7	0.33
(2,1567)	1:83:A:ASP:HB3	1:83:A:ASP:H	8	0.33
(2,1567)	1:83:A:ASP:HB3	1:83:A:ASP:H	10	0.33
(2,1567)	1:83:A:ASP:HB3	1:83:A:ASP:H	13	0.33
(2,1547)	1:90:A:LEU:HD21	1:81:A:ILE:HA	8	0.33
(2,1547)	1:90:A:LEU:HD22	1:81:A:ILE:HA	8	0.33
(2,1547)	1:90:A:LEU:HD23	1:81:A:ILE:HA	8	0.33
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD1	3	0.33
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD2	3	0.33
(2,1540)	1:98:A:LEU:HB2	1:95:A:HIS:HA	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1483)	1:60:A:THR:HA	1:63:A:GLU:HB2	10	0.33
(2,1481)	1:78:A:PRO:HA	1:80:A:LEU:H	3	0.33
(2,1481)	1:78:A:PRO:HA	1:80:A:LEU:H	4	0.33
(2,1429)	1:102:A:HIS:HD2	1:101:A:SER:HB2	16	0.33
(2,1408)	1:56:A:ILE:HD11	1:54:A:LEU:H	3	0.33
(2,1408)	1:56:A:ILE:HD12	1:54:A:LEU:H	3	0.33
(2,1408)	1:56:A:ILE:HD13	1:54:A:LEU:H	3	0.33
(2,1402)	1:45:A:ILE:HD11	1:44:A:SER:HB3	1	0.33
(2,1402)	1:45:A:ILE:HD12	1:44:A:SER:HB3	1	0.33
(2,1402)	1:45:A:ILE:HD13	1:44:A:SER:HB3	1	0.33
(2,1402)	1:45:A:ILE:HD11	1:44:A:SER:HB3	12	0.33
(2,1402)	1:45:A:ILE:HD12	1:44:A:SER:HB3	12	0.33
(2,1402)	1:45:A:ILE:HD13	1:44:A:SER:HB3	12	0.33
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD11	8	0.33
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD12	8	0.33
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD13	8	0.33
(2,1363)	1:93:A:HIS:HB3	1:93:A:HIS:H	6	0.33
(2,1363)	1:93:A:HIS:HB3	1:93:A:HIS:H	9	0.33
(2,1363)	1:93:A:HIS:HB3	1:93:A:HIS:H	12	0.33
(2,1363)	1:93:A:HIS:HB3	1:93:A:HIS:H	14	0.33
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	15	0.33
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD12	15	0.33
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD13	15	0.33
(2,1228)	1:63:A:GLU:HG2	1:63:A:GLU:H	11	0.33
(2,1204)	1:62:A:LEU:HG	1:59:A:LEU:HA	1	0.33
(2,1204)	1:62:A:LEU:HG	1:59:A:LEU:HA	9	0.33
(2,1194)	1:63:A:GLU:HB2	1:64:A:LEU:H	2	0.33
(2,1194)	1:63:A:GLU:HB2	1:64:A:LEU:H	5	0.33
(2,1194)	1:63:A:GLU:HB2	1:64:A:LEU:H	9	0.33
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB1	7	0.33
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB2	7	0.33
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB3	7	0.33
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB1	7	0.33
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB2	7	0.33
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB3	7	0.33
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB1	7	0.33
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB2	7	0.33
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB3	7	0.33
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB1	12	0.33
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB2	12	0.33
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB3	12	0.33
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB1	12	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB2	12	0.33
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB3	12	0.33
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB1	12	0.33
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB2	12	0.33
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB3	12	0.33
(2,1053)	1:52:A:LYS:HG2	1:52:A:LYS:HA	3	0.33
(2,1053)	1:52:A:LYS:HG2	1:52:A:LYS:HA	6	0.33
(2,1053)	1:52:A:LYS:HG2	1:52:A:LYS:HA	12	0.33
(2,1047)	1:52:A:LYS:HB2	1:53:A:ASP:H	9	0.33
(2,950)	1:48:A:ALA:HB1	1:47:A:PRO:HA	1	0.33
(2,950)	1:48:A:ALA:HB2	1:47:A:PRO:HA	1	0.33
(2,950)	1:48:A:ALA:HB3	1:47:A:PRO:HA	1	0.33
(2,950)	1:48:A:ALA:HB1	1:47:A:PRO:HA	7	0.33
(2,950)	1:48:A:ALA:HB2	1:47:A:PRO:HA	7	0.33
(2,950)	1:48:A:ALA:HB3	1:47:A:PRO:HA	7	0.33
(2,943)	1:46:A:SER:HA	1:47:A:PRO:HG2	4	0.33
(2,943)	1:46:A:SER:HA	1:47:A:PRO:HG2	5	0.33
(2,943)	1:46:A:SER:HA	1:47:A:PRO:HG2	6	0.33
(2,943)	1:46:A:SER:HA	1:47:A:PRO:HG2	13	0.33
(2,904)	1:42:A:PRO:HG3	1:42:A:PRO:HD3	1	0.33
(2,904)	1:42:A:PRO:HG3	1:42:A:PRO:HD3	4	0.33
(2,904)	1:42:A:PRO:HG3	1:42:A:PRO:HD3	6	0.33
(2,904)	1:42:A:PRO:HG3	1:42:A:PRO:HD3	12	0.33
(2,904)	1:42:A:PRO:HG3	1:42:A:PRO:HD3	13	0.33
(2,904)	1:42:A:PRO:HG3	1:42:A:PRO:HD3	16	0.33
(2,897)	1:41:A:THR:HG21	1:44:A:SER:HB3	8	0.33
(2,897)	1:41:A:THR:HG22	1:44:A:SER:HB3	8	0.33
(2,897)	1:41:A:THR:HG23	1:44:A:SER:HB3	8	0.33
(2,884)	1:42:A:PRO:HD3	1:42:A:PRO:HB2	2	0.33
(2,884)	1:42:A:PRO:HD3	1:42:A:PRO:HB2	3	0.33
(2,884)	1:42:A:PRO:HD3	1:42:A:PRO:HB2	5	0.33
(2,884)	1:42:A:PRO:HD3	1:42:A:PRO:HB2	10	0.33
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG21	1	0.33
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG22	1	0.33
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG23	1	0.33
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG21	8	0.33
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG22	8	0.33
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG23	8	0.33
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG21	14	0.33
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG22	14	0.33
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG23	14	0.33
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG21	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG22	10	0.33
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG23	10	0.33
(2,795)	1:29:A:VAL:HG21	1:29:A:VAL:H	2	0.33
(2,795)	1:29:A:VAL:HG22	1:29:A:VAL:H	2	0.33
(2,795)	1:29:A:VAL:HG23	1:29:A:VAL:H	2	0.33
(2,795)	1:29:A:VAL:HG21	1:29:A:VAL:H	5	0.33
(2,795)	1:29:A:VAL:HG22	1:29:A:VAL:H	5	0.33
(2,795)	1:29:A:VAL:HG23	1:29:A:VAL:H	5	0.33
(2,795)	1:29:A:VAL:HG21	1:29:A:VAL:H	15	0.33
(2,795)	1:29:A:VAL:HG22	1:29:A:VAL:H	15	0.33
(2,795)	1:29:A:VAL:HG23	1:29:A:VAL:H	15	0.33
(2,795)	1:29:A:VAL:HG21	1:29:A:VAL:H	16	0.33
(2,795)	1:29:A:VAL:HG22	1:29:A:VAL:H	16	0.33
(2,795)	1:29:A:VAL:HG23	1:29:A:VAL:H	16	0.33
(2,785)	1:27:A:THR:HB	1:23:A:GLN:HB2	9	0.33
(2,745)	1:33:A:THR:HA	1:30:A:ALA:HA	5	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB1	1	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB2	1	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB3	1	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB1	2	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB2	2	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB3	2	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB1	4	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB2	4	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB3	4	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB1	5	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB2	5	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB3	5	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB1	6	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB2	6	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB3	6	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB1	7	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB2	7	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB3	7	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB1	10	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB2	10	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB3	10	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB1	13	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB2	13	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB3	13	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB1	14	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB2	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB3	14	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB1	16	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB2	16	0.33
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB3	16	0.33
(2,698)	1:83:A:ASP:HA	1:82:A:PHE:H	8	0.33
(2,698)	1:83:A:ASP:HA	1:82:A:PHE:H	14	0.33
(2,690)	1:29:A:VAL:HG11	1:29:A:VAL:H	10	0.33
(2,690)	1:29:A:VAL:HG12	1:29:A:VAL:H	10	0.33
(2,690)	1:29:A:VAL:HG13	1:29:A:VAL:H	10	0.33
(2,641)	1:54:A:LEU:HG	1:54:A:LEU:HA	1	0.33
(2,641)	1:54:A:LEU:HG	1:54:A:LEU:HA	5	0.33
(2,636)	1:28:A:LEU:HG	1:29:A:VAL:HA	16	0.33
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB1	3	0.33
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB2	3	0.33
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB3	3	0.33
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB1	8	0.33
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB2	8	0.33
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB3	8	0.33
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB1	10	0.33
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB2	10	0.33
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB3	10	0.33
(2,580)	1:26:A:ALA:HB1	1:28:A:LEU:H	14	0.33
(2,580)	1:26:A:ALA:HB2	1:28:A:LEU:H	14	0.33
(2,580)	1:26:A:ALA:HB3	1:28:A:LEU:H	14	0.33
(2,580)	1:26:A:ALA:HB1	1:28:A:LEU:H	15	0.33
(2,580)	1:26:A:ALA:HB2	1:28:A:LEU:H	15	0.33
(2,580)	1:26:A:ALA:HB3	1:28:A:LEU:H	15	0.33
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD11	15	0.33
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD12	15	0.33
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD13	15	0.33
(2,533)	1:24:A:THR:HB	1:25:A:LEU:HB2	14	0.33
(2,511)	1:23:A:GLN:HG3	1:20:A:GLN:HA	13	0.33
(2,508)	1:23:A:GLN:HB3	1:20:A:GLN:HA	10	0.33
(2,489)	1:22:A:GLN:HG3	1:22:A:GLN:HA	10	0.33
(2,487)	1:22:A:GLN:HG3	1:95:A:HIS:HB2	16	0.33
(2,471)	1:22:A:GLN:HA	1:25:A:LEU:HB3	4	0.33
(2,466)	1:20:A:GLN:HB2	1:20:A:GLN:HB3	15	0.33
(2,458)	1:20:A:GLN:HB3	1:16:A:LEU:HB3	1	0.33
(2,433)	1:21:A:GLN:HG2	1:21:A:GLN:HA	6	0.33
(2,372)	1:18:A:PRO:HA	1:18:A:PRO:HD3	6	0.33
(2,366)	1:17:A:SER:HB3	1:17:A:SER:HA	3	0.33
(2,366)	1:17:A:SER:HB3	1:17:A:SER:HA	12	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,366)	1:17:A:SER:HB3	1:17:A:SER:HA	15	0.33
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD21	7	0.33
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD22	7	0.33
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD23	7	0.33
(2,337)	1:11:A:ALA:HA	1:14:A:ASN:HB2	4	0.33
(2,335)	1:14:A:ASN:HB2	1:13:A:LEU:HB3	11	0.33
(2,321)	1:87:A:PRO:HD3	1:86:A:THR:HA	9	0.33
(2,321)	1:87:A:PRO:HD3	1:86:A:THR:HA	11	0.33
(2,309)	1:85:A:PRO:HG3	1:85:A:PRO:HD3	1	0.33
(2,309)	1:85:A:PRO:HG3	1:85:A:PRO:HD3	8	0.33
(2,309)	1:85:A:PRO:HG3	1:85:A:PRO:HD3	9	0.33
(2,309)	1:85:A:PRO:HG3	1:85:A:PRO:HD3	14	0.33
(2,306)	1:85:A:PRO:HG2	1:85:A:PRO:HD2	1	0.33
(2,306)	1:85:A:PRO:HG2	1:85:A:PRO:HD2	9	0.33
(2,204)	1:9:A:LEU:HB3	1:10:A:ALA:H	2	0.33
(2,204)	1:9:A:LEU:HB3	1:10:A:ALA:H	4	0.33
(2,198)	1:9:A:LEU:HB2	1:98:A:LEU:HD21	16	0.33
(2,198)	1:9:A:LEU:HB2	1:98:A:LEU:HD22	16	0.33
(2,198)	1:9:A:LEU:HB2	1:98:A:LEU:HD23	16	0.33
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB1	10	0.33
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB2	10	0.33
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB3	10	0.33
(2,114)	1:6:A:ALA:HB1	1:7:A:THR:H	16	0.33
(2,114)	1:6:A:ALA:HB2	1:7:A:THR:H	16	0.33
(2,114)	1:6:A:ALA:HB3	1:7:A:THR:H	16	0.33
(2,19)	1:102:A:HIS:HB3	1:102:A:HIS:HD2	13	0.33
(2,17)	1:95:A:HIS:HD2	1:95:A:HIS:HB2	2	0.33
(2,17)	1:95:A:HIS:HD2	1:95:A:HIS:HB2	14	0.33
(2,7)	1:9:A:LEU:HD11	1:71:A:ASN:HA	5	0.33
(2,7)	1:9:A:LEU:HD12	1:71:A:ASN:HA	5	0.33
(2,7)	1:9:A:LEU:HD13	1:71:A:ASN:HA	5	0.33
(1,602)	1:57:A:ASP:H	1:57:A:ASP:HB3	15	0.33
(1,599)	1:33:A:THR:H	1:33:A:THR:HG1	6	0.33
(1,599)	1:33:A:THR:H	1:33:A:THR:HG1	14	0.33
(1,599)	1:33:A:THR:H	1:33:A:THR:HG1	15	0.33
(1,569)	1:98:A:LEU:H	1:98:A:LEU:HD21	8	0.33
(1,569)	1:98:A:LEU:H	1:98:A:LEU:HD22	8	0.33
(1,569)	1:98:A:LEU:H	1:98:A:LEU:HD23	8	0.33
(1,528)	1:54:A:LEU:H	1:54:A:LEU:HB3	3	0.33
(1,528)	1:54:A:LEU:H	1:54:A:LEU:HB3	6	0.33
(1,527)	1:93:A:HIS:H	1:92:A:GLN:HB3	5	0.33
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB1	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB2	14	0.33
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB3	14	0.33
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB1	15	0.33
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB2	15	0.33
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB3	15	0.33
(1,368)	1:94:A:LEU:H	1:93:A:HIS:HB3	4	0.33
(1,368)	1:94:A:LEU:H	1:93:A:HIS:HB3	6	0.33
(1,368)	1:94:A:LEU:H	1:93:A:HIS:HB3	8	0.33
(1,331)	1:64:A:LEU:H	1:64:A:LEU:HB2	7	0.33
(1,331)	1:64:A:LEU:H	1:64:A:LEU:HB2	10	0.33
(1,331)	1:64:A:LEU:H	1:64:A:LEU:HB2	12	0.33
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD11	5	0.33
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD12	5	0.33
(1,315)	1:9:A:LEU:H	1:9:A:LEU:HD13	5	0.33
(1,309)	1:56:A:ILE:H	1:51:A:PHE:HB2	11	0.33
(1,275)	1:81:A:ILE:H	1:82:A:PHE:H	9	0.33
(1,248)	1:99:A:THR:H	1:98:A:LEU:HB3	9	0.33
(1,233)	1:102:A:HIS:H	1:102:A:HIS:HB2	14	0.33
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB1	6	0.33
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB2	6	0.33
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB3	6	0.33
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB1	12	0.33
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB2	12	0.33
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB3	12	0.33
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB1	15	0.33
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB2	15	0.33
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB3	15	0.33
(1,110)	1:52:A:LYS:H	1:52:A:LYS:HG3	2	0.33
(1,110)	1:52:A:LYS:H	1:52:A:LYS:HG3	16	0.33
(1,82)	1:86:A:THR:H	1:84:A:HIS:HB2	4	0.33
(1,82)	1:86:A:THR:H	1:84:A:HIS:HB2	12	0.33
(1,82)	1:86:A:THR:H	1:84:A:HIS:HB2	13	0.33
(1,80)	1:86:A:THR:H	1:85:A:PRO:HD2	5	0.33
(1,73)	1:65:A:ARG:H	1:64:A:LEU:H	6	0.33
(1,73)	1:65:A:ARG:H	1:64:A:LEU:H	15	0.33
(1,44)	1:79:A:THR:H	1:78:A:PRO:HA	4	0.33
(1,40)	1:16:A:LEU:H	1:15:A:GLY:H	7	0.33
(1,23)	1:44:A:SER:H	1:45:A:ILE:H	1	0.33
(1,23)	1:44:A:SER:H	1:45:A:ILE:H	12	0.33
(1,23)	1:44:A:SER:H	1:45:A:ILE:H	16	0.33
(1,21)	1:7:A:THR:H	1:6:A:ALA:H	6	0.33
(1,21)	1:7:A:THR:H	1:6:A:ALA:H	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:7:A:THR:H	1:6:A:ALA:H	12	0.33
(2,1898)	1:30:A:ALA:HB1	1:42:A:PRO:HB3	13	0.32
(2,1898)	1:30:A:ALA:HB2	1:42:A:PRO:HB3	13	0.32
(2,1898)	1:30:A:ALA:HB3	1:42:A:PRO:HB3	13	0.32
(2,1888)	1:13:A:LEU:HG	1:13:A:LEU:H	3	0.32
(2,1879)	1:90:A:LEU:HD11	1:90:A:LEU:H	6	0.32
(2,1879)	1:90:A:LEU:HD12	1:90:A:LEU:H	6	0.32
(2,1879)	1:90:A:LEU:HD13	1:90:A:LEU:H	6	0.32
(2,1729)	1:93:A:HIS:HA	1:90:A:LEU:HA	3	0.32
(2,1729)	1:93:A:HIS:HA	1:90:A:LEU:HA	14	0.32
(2,1720)	1:92:A:GLN:HG3	1:89:A:ALA:HA	12	0.32
(2,1720)	1:92:A:GLN:HG3	1:89:A:ALA:HA	13	0.32
(2,1697)	1:91:A:THR:HA	1:94:A:LEU:HB3	9	0.32
(2,1697)	1:91:A:THR:HA	1:94:A:LEU:HB3	12	0.32
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD11	10	0.32
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD12	10	0.32
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD13	10	0.32
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD11	10	0.32
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD12	10	0.32
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD13	10	0.32
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD11	10	0.32
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD12	10	0.32
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD13	10	0.32
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE1	5	0.32
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE2	5	0.32
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE1	5	0.32
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE2	5	0.32
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE1	5	0.32
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE2	5	0.32
(2,1663)	1:90:A:LEU:HA	1:84:A:HIS:HB3	3	0.32
(2,1663)	1:90:A:LEU:HA	1:84:A:HIS:HB3	13	0.32
(2,1659)	1:89:A:ALA:HB1	1:90:A:LEU:H	9	0.32
(2,1659)	1:89:A:ALA:HB2	1:90:A:LEU:H	9	0.32
(2,1659)	1:89:A:ALA:HB3	1:90:A:LEU:H	9	0.32
(2,1650)	1:89:A:ALA:HB1	1:85:A:PRO:HD2	5	0.32
(2,1650)	1:89:A:ALA:HB2	1:85:A:PRO:HD2	5	0.32
(2,1650)	1:89:A:ALA:HB3	1:85:A:PRO:HD2	5	0.32
(2,1650)	1:89:A:ALA:HB1	1:85:A:PRO:HD2	15	0.32
(2,1650)	1:89:A:ALA:HB2	1:85:A:PRO:HD2	15	0.32
(2,1650)	1:89:A:ALA:HB3	1:85:A:PRO:HD2	15	0.32
(2,1601)	1:86:A:THR:HB	1:87:A:PRO:HD2	5	0.32
(2,1567)	1:83:A:ASP:HB3	1:83:A:ASP:H	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1538)	1:98:A:LEU:HB3	1:99:A:THR:H	7	0.32
(2,1519)	1:16:A:LEU:HB2	1:21:A:GLN:HG3	14	0.32
(2,1483)	1:60:A:THR:HA	1:63:A:GLU:HB2	9	0.32
(2,1483)	1:60:A:THR:HA	1:63:A:GLU:HB2	12	0.32
(2,1483)	1:60:A:THR:HA	1:63:A:GLU:HB2	15	0.32
(2,1412)	1:56:A:ILE:HD11	1:33:A:THR:HB	8	0.32
(2,1412)	1:56:A:ILE:HD12	1:33:A:THR:HB	8	0.32
(2,1412)	1:56:A:ILE:HD13	1:33:A:THR:HB	8	0.32
(2,1412)	1:56:A:ILE:HD11	1:33:A:THR:HB	13	0.32
(2,1412)	1:56:A:ILE:HD12	1:33:A:THR:HB	13	0.32
(2,1412)	1:56:A:ILE:HD13	1:33:A:THR:HB	13	0.32
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD11	4	0.32
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD12	4	0.32
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD13	4	0.32
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD21	8	0.32
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD22	8	0.32
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD23	8	0.32
(2,1363)	1:93:A:HIS:HB3	1:93:A:HIS:H	4	0.32
(2,1363)	1:93:A:HIS:HB3	1:93:A:HIS:H	11	0.32
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD11	1	0.32
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD12	1	0.32
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD13	1	0.32
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	8	0.32
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD12	8	0.32
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD13	8	0.32
(2,1228)	1:63:A:GLU:HG2	1:63:A:GLU:H	9	0.32
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG11	10	0.32
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG12	10	0.32
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG13	10	0.32
(2,1204)	1:62:A:LEU:HG	1:59:A:LEU:HA	13	0.32
(2,1203)	1:62:A:LEU:HG	1:63:A:GLU:H	16	0.32
(2,1194)	1:63:A:GLU:HB2	1:64:A:LEU:H	1	0.32
(2,1194)	1:63:A:GLU:HB2	1:64:A:LEU:H	7	0.32
(2,1194)	1:63:A:GLU:HB2	1:64:A:LEU:H	10	0.32
(2,1194)	1:63:A:GLU:HB2	1:64:A:LEU:H	12	0.32
(2,1194)	1:63:A:GLU:HB2	1:64:A:LEU:H	13	0.32
(2,1194)	1:63:A:GLU:HB2	1:64:A:LEU:H	16	0.32
(2,1171)	1:61:A:ALA:HB1	1:64:A:LEU:HB3	13	0.32
(2,1171)	1:61:A:ALA:HB2	1:64:A:LEU:HB3	13	0.32
(2,1171)	1:61:A:ALA:HB3	1:64:A:LEU:HB3	13	0.32
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB1	4	0.32
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB2	4	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB3	4	0.32
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB1	4	0.32
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB2	4	0.32
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB3	4	0.32
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB1	4	0.32
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB2	4	0.32
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB3	4	0.32
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB1	5	0.32
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB2	5	0.32
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB3	5	0.32
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB1	5	0.32
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB2	5	0.32
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB3	5	0.32
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB1	5	0.32
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB2	5	0.32
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB3	5	0.32
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD11	2	0.32
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD12	2	0.32
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD13	2	0.32
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD11	2	0.32
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD12	2	0.32
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD13	2	0.32
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD11	2	0.32
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD12	2	0.32
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD13	2	0.32
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD11	8	0.32
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD12	8	0.32
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD13	8	0.32
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD11	8	0.32
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD12	8	0.32
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD13	8	0.32
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD11	8	0.32
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD12	8	0.32
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD13	8	0.32
(2,1053)	1:52:A:LYS:HG2	1:52:A:LYS:HA	1	0.32
(2,1053)	1:52:A:LYS:HG2	1:52:A:LYS:HA	4	0.32
(2,1029)	1:51:A:PHE:HB3	1:52:A:LYS:HG2	16	0.32
(2,980)	1:49:A:THR:HB	1:54:A:LEU:HG	1	0.32
(2,950)	1:48:A:ALA:HB1	1:47:A:PRO:HA	2	0.32
(2,950)	1:48:A:ALA:HB2	1:47:A:PRO:HA	2	0.32
(2,950)	1:48:A:ALA:HB3	1:47:A:PRO:HA	2	0.32
(2,950)	1:48:A:ALA:HB1	1:47:A:PRO:HA	4	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,950)	1:48:A:ALA:HB2	1:47:A:PRO:HA	4	0.32
(2,950)	1:48:A:ALA:HB3	1:47:A:PRO:HA	4	0.32
(2,950)	1:48:A:ALA:HB1	1:47:A:PRO:HA	6	0.32
(2,950)	1:48:A:ALA:HB2	1:47:A:PRO:HA	6	0.32
(2,950)	1:48:A:ALA:HB3	1:47:A:PRO:HA	6	0.32
(2,950)	1:48:A:ALA:HB1	1:47:A:PRO:HA	11	0.32
(2,950)	1:48:A:ALA:HB2	1:47:A:PRO:HA	11	0.32
(2,950)	1:48:A:ALA:HB3	1:47:A:PRO:HA	11	0.32
(2,950)	1:48:A:ALA:HB1	1:47:A:PRO:HA	14	0.32
(2,950)	1:48:A:ALA:HB2	1:47:A:PRO:HA	14	0.32
(2,950)	1:48:A:ALA:HB3	1:47:A:PRO:HA	14	0.32
(2,943)	1:46:A:SER:HA	1:47:A:PRO:HG2	9	0.32
(2,943)	1:46:A:SER:HA	1:47:A:PRO:HG2	15	0.32
(2,932)	1:45:A:ILE:HG13	1:42:A:PRO:HA	6	0.32
(2,904)	1:42:A:PRO:HG3	1:42:A:PRO:HD3	5	0.32
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG21	7	0.32
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG22	7	0.32
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG23	7	0.32
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG21	5	0.32
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG22	5	0.32
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG23	5	0.32
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG21	12	0.32
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG22	12	0.32
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG23	12	0.32
(2,795)	1:29:A:VAL:HG21	1:29:A:VAL:H	1	0.32
(2,795)	1:29:A:VAL:HG22	1:29:A:VAL:H	1	0.32
(2,795)	1:29:A:VAL:HG23	1:29:A:VAL:H	1	0.32
(2,795)	1:29:A:VAL:HG21	1:29:A:VAL:H	3	0.32
(2,795)	1:29:A:VAL:HG22	1:29:A:VAL:H	3	0.32
(2,795)	1:29:A:VAL:HG23	1:29:A:VAL:H	3	0.32
(2,795)	1:29:A:VAL:HG21	1:29:A:VAL:H	4	0.32
(2,795)	1:29:A:VAL:HG22	1:29:A:VAL:H	4	0.32
(2,795)	1:29:A:VAL:HG23	1:29:A:VAL:H	4	0.32
(2,795)	1:29:A:VAL:HG21	1:29:A:VAL:H	6	0.32
(2,795)	1:29:A:VAL:HG22	1:29:A:VAL:H	6	0.32
(2,795)	1:29:A:VAL:HG23	1:29:A:VAL:H	6	0.32
(2,795)	1:29:A:VAL:HG21	1:29:A:VAL:H	7	0.32
(2,795)	1:29:A:VAL:HG22	1:29:A:VAL:H	7	0.32
(2,795)	1:29:A:VAL:HG23	1:29:A:VAL:H	7	0.32
(2,795)	1:29:A:VAL:HG21	1:29:A:VAL:H	8	0.32
(2,795)	1:29:A:VAL:HG22	1:29:A:VAL:H	8	0.32
(2,795)	1:29:A:VAL:HG23	1:29:A:VAL:H	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,785)	1:27:A:THR:HB	1:23:A:GLN:HB2	13	0.32
(2,745)	1:33:A:THR:HA	1:30:A:ALA:HA	6	0.32
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB1	3	0.32
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB2	3	0.32
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB3	3	0.32
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB1	8	0.32
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB2	8	0.32
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB3	8	0.32
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB1	11	0.32
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB2	11	0.32
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB3	11	0.32
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB1	12	0.32
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB2	12	0.32
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB3	12	0.32
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB1	15	0.32
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB2	15	0.32
(2,717)	1:29:A:VAL:HA	1:30:A:ALA:HB3	15	0.32
(2,698)	1:83:A:ASP:HA	1:82:A:PHE:H	5	0.32
(2,698)	1:83:A:ASP:HA	1:82:A:PHE:H	10	0.32
(2,690)	1:29:A:VAL:HG11	1:29:A:VAL:H	1	0.32
(2,690)	1:29:A:VAL:HG12	1:29:A:VAL:H	1	0.32
(2,690)	1:29:A:VAL:HG13	1:29:A:VAL:H	1	0.32
(2,690)	1:29:A:VAL:HG11	1:29:A:VAL:H	2	0.32
(2,690)	1:29:A:VAL:HG12	1:29:A:VAL:H	2	0.32
(2,690)	1:29:A:VAL:HG13	1:29:A:VAL:H	2	0.32
(2,690)	1:29:A:VAL:HG11	1:29:A:VAL:H	3	0.32
(2,690)	1:29:A:VAL:HG12	1:29:A:VAL:H	3	0.32
(2,690)	1:29:A:VAL:HG13	1:29:A:VAL:H	3	0.32
(2,690)	1:29:A:VAL:HG11	1:29:A:VAL:H	5	0.32
(2,690)	1:29:A:VAL:HG12	1:29:A:VAL:H	5	0.32
(2,690)	1:29:A:VAL:HG13	1:29:A:VAL:H	5	0.32
(2,690)	1:29:A:VAL:HG11	1:29:A:VAL:H	6	0.32
(2,690)	1:29:A:VAL:HG12	1:29:A:VAL:H	6	0.32
(2,690)	1:29:A:VAL:HG13	1:29:A:VAL:H	6	0.32
(2,690)	1:29:A:VAL:HG11	1:29:A:VAL:H	7	0.32
(2,690)	1:29:A:VAL:HG12	1:29:A:VAL:H	7	0.32
(2,690)	1:29:A:VAL:HG13	1:29:A:VAL:H	7	0.32
(2,690)	1:29:A:VAL:HG11	1:29:A:VAL:H	8	0.32
(2,690)	1:29:A:VAL:HG12	1:29:A:VAL:H	8	0.32
(2,690)	1:29:A:VAL:HG13	1:29:A:VAL:H	8	0.32
(2,690)	1:29:A:VAL:HG11	1:29:A:VAL:H	9	0.32
(2,690)	1:29:A:VAL:HG12	1:29:A:VAL:H	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,690)	1:29:A:VAL:HG13	1:29:A:VAL:H	9	0.32
(2,690)	1:29:A:VAL:HG11	1:29:A:VAL:H	11	0.32
(2,690)	1:29:A:VAL:HG12	1:29:A:VAL:H	11	0.32
(2,690)	1:29:A:VAL:HG13	1:29:A:VAL:H	11	0.32
(2,690)	1:29:A:VAL:HG11	1:29:A:VAL:H	12	0.32
(2,690)	1:29:A:VAL:HG12	1:29:A:VAL:H	12	0.32
(2,690)	1:29:A:VAL:HG13	1:29:A:VAL:H	12	0.32
(2,690)	1:29:A:VAL:HG11	1:29:A:VAL:H	13	0.32
(2,690)	1:29:A:VAL:HG12	1:29:A:VAL:H	13	0.32
(2,690)	1:29:A:VAL:HG13	1:29:A:VAL:H	13	0.32
(2,690)	1:29:A:VAL:HG11	1:29:A:VAL:H	14	0.32
(2,690)	1:29:A:VAL:HG12	1:29:A:VAL:H	14	0.32
(2,690)	1:29:A:VAL:HG13	1:29:A:VAL:H	14	0.32
(2,690)	1:29:A:VAL:HG11	1:29:A:VAL:H	15	0.32
(2,690)	1:29:A:VAL:HG12	1:29:A:VAL:H	15	0.32
(2,690)	1:29:A:VAL:HG13	1:29:A:VAL:H	15	0.32
(2,690)	1:29:A:VAL:HG11	1:29:A:VAL:H	16	0.32
(2,690)	1:29:A:VAL:HG12	1:29:A:VAL:H	16	0.32
(2,690)	1:29:A:VAL:HG13	1:29:A:VAL:H	16	0.32
(2,679)	1:29:A:VAL:HG11	1:33:A:THR:HG1	5	0.32
(2,679)	1:29:A:VAL:HG12	1:33:A:THR:HG1	5	0.32
(2,679)	1:29:A:VAL:HG13	1:33:A:THR:HG1	5	0.32
(2,679)	1:29:A:VAL:HG11	1:33:A:THR:HG1	8	0.32
(2,679)	1:29:A:VAL:HG12	1:33:A:THR:HG1	8	0.32
(2,679)	1:29:A:VAL:HG13	1:33:A:THR:HG1	8	0.32
(2,679)	1:29:A:VAL:HG11	1:33:A:THR:HG1	9	0.32
(2,679)	1:29:A:VAL:HG12	1:33:A:THR:HG1	9	0.32
(2,679)	1:29:A:VAL:HG13	1:33:A:THR:HG1	9	0.32
(2,641)	1:54:A:LEU:HG	1:54:A:LEU:HA	4	0.32
(2,641)	1:54:A:LEU:HG	1:54:A:LEU:HA	11	0.32
(2,580)	1:26:A:ALA:HB1	1:28:A:LEU:H	5	0.32
(2,580)	1:26:A:ALA:HB2	1:28:A:LEU:H	5	0.32
(2,580)	1:26:A:ALA:HB3	1:28:A:LEU:H	5	0.32
(2,580)	1:26:A:ALA:HB1	1:28:A:LEU:H	12	0.32
(2,580)	1:26:A:ALA:HB2	1:28:A:LEU:H	12	0.32
(2,580)	1:26:A:ALA:HB3	1:28:A:LEU:H	12	0.32
(2,580)	1:26:A:ALA:HB1	1:28:A:LEU:H	13	0.32
(2,580)	1:26:A:ALA:HB2	1:28:A:LEU:H	13	0.32
(2,580)	1:26:A:ALA:HB3	1:28:A:LEU:H	13	0.32
(2,580)	1:26:A:ALA:HB1	1:28:A:LEU:H	16	0.32
(2,580)	1:26:A:ALA:HB2	1:28:A:LEU:H	16	0.32
(2,580)	1:26:A:ALA:HB3	1:28:A:LEU:H	16	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,564)	1:28:A:LEU:HD11	1:71:A:ASN:HB3	8	0.32
(2,564)	1:28:A:LEU:HD12	1:71:A:ASN:HB3	8	0.32
(2,564)	1:28:A:LEU:HD13	1:71:A:ASN:HB3	8	0.32
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD11	1	0.32
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD12	1	0.32
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD13	1	0.32
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD11	2	0.32
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD12	2	0.32
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD13	2	0.32
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD11	6	0.32
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD12	6	0.32
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD13	6	0.32
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD11	14	0.32
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD12	14	0.32
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD13	14	0.32
(2,533)	1:24:A:THR:HB	1:25:A:LEU:HB2	12	0.32
(2,478)	1:59:A:LEU:HG	1:60:A:THR:H	12	0.32
(2,478)	1:59:A:LEU:HG	1:60:A:THR:H	13	0.32
(2,478)	1:59:A:LEU:HG	1:60:A:THR:H	16	0.32
(2,458)	1:20:A:GLN:HB3	1:16:A:LEU:HB3	5	0.32
(2,403)	1:19:A:GLN:HG2	1:20:A:GLN:H	3	0.32
(2,366)	1:17:A:SER:HB3	1:17:A:SER:HA	1	0.32
(2,366)	1:17:A:SER:HB3	1:17:A:SER:HA	6	0.32
(2,366)	1:17:A:SER:HB3	1:17:A:SER:HA	9	0.32
(2,366)	1:17:A:SER:HB3	1:17:A:SER:HA	11	0.32
(2,353)	1:16:A:LEU:HG	1:16:A:LEU:HA	3	0.32
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD21	16	0.32
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD22	16	0.32
(2,347)	1:15:A:GLY:HA3	1:16:A:LEU:HD23	16	0.32
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD21	4	0.32
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD22	4	0.32
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD23	4	0.32
(2,309)	1:85:A:PRO:HG3	1:85:A:PRO:HD3	2	0.32
(2,309)	1:85:A:PRO:HG3	1:85:A:PRO:HD3	3	0.32
(2,309)	1:85:A:PRO:HG3	1:85:A:PRO:HD3	4	0.32
(2,309)	1:85:A:PRO:HG3	1:85:A:PRO:HD3	5	0.32
(2,309)	1:85:A:PRO:HG3	1:85:A:PRO:HD3	6	0.32
(2,309)	1:85:A:PRO:HG3	1:85:A:PRO:HD3	7	0.32
(2,309)	1:85:A:PRO:HG3	1:85:A:PRO:HD3	10	0.32
(2,309)	1:85:A:PRO:HG3	1:85:A:PRO:HD3	11	0.32
(2,309)	1:85:A:PRO:HG3	1:85:A:PRO:HD3	12	0.32
(2,309)	1:85:A:PRO:HG3	1:85:A:PRO:HD3	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,309)	1:85:A:PRO:HG3	1:85:A:PRO:HD3	15	0.32
(2,309)	1:85:A:PRO:HG3	1:85:A:PRO:HD3	16	0.32
(2,306)	1:85:A:PRO:HG2	1:85:A:PRO:HD2	2	0.32
(2,306)	1:85:A:PRO:HG2	1:85:A:PRO:HD2	3	0.32
(2,306)	1:85:A:PRO:HG2	1:85:A:PRO:HD2	4	0.32
(2,306)	1:85:A:PRO:HG2	1:85:A:PRO:HD2	5	0.32
(2,306)	1:85:A:PRO:HG2	1:85:A:PRO:HD2	6	0.32
(2,306)	1:85:A:PRO:HG2	1:85:A:PRO:HD2	7	0.32
(2,306)	1:85:A:PRO:HG2	1:85:A:PRO:HD2	8	0.32
(2,306)	1:85:A:PRO:HG2	1:85:A:PRO:HD2	10	0.32
(2,306)	1:85:A:PRO:HG2	1:85:A:PRO:HD2	11	0.32
(2,306)	1:85:A:PRO:HG2	1:85:A:PRO:HD2	12	0.32
(2,306)	1:85:A:PRO:HG2	1:85:A:PRO:HD2	13	0.32
(2,306)	1:85:A:PRO:HG2	1:85:A:PRO:HD2	14	0.32
(2,306)	1:85:A:PRO:HG2	1:85:A:PRO:HD2	15	0.32
(2,306)	1:85:A:PRO:HG2	1:85:A:PRO:HD2	16	0.32
(2,299)	1:13:A:LEU:HB2	1:14:A:ASN:H	6	0.32
(2,299)	1:13:A:LEU:HB2	1:14:A:ASN:H	15	0.32
(2,276)	1:12:A:ARG:HD3	1:9:A:LEU:HD11	14	0.32
(2,276)	1:12:A:ARG:HD3	1:9:A:LEU:HD12	14	0.32
(2,276)	1:12:A:ARG:HD3	1:9:A:LEU:HD13	14	0.32
(2,204)	1:9:A:LEU:HB3	1:10:A:ALA:H	5	0.32
(2,204)	1:9:A:LEU:HB3	1:10:A:ALA:H	15	0.32
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB1	4	0.32
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB2	4	0.32
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB3	4	0.32
(2,116)	1:6:A:ALA:HB1	1:10:A:ALA:H	2	0.32
(2,116)	1:6:A:ALA:HB2	1:10:A:ALA:H	2	0.32
(2,116)	1:6:A:ALA:HB3	1:10:A:ALA:H	2	0.32
(2,116)	1:6:A:ALA:HB1	1:10:A:ALA:H	5	0.32
(2,116)	1:6:A:ALA:HB2	1:10:A:ALA:H	5	0.32
(2,116)	1:6:A:ALA:HB3	1:10:A:ALA:H	5	0.32
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD11	1	0.32
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD12	1	0.32
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD13	1	0.32
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD11	1	0.32
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD12	1	0.32
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD13	1	0.32
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD11	1	0.32
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD12	1	0.32
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD13	1	0.32
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD11	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD12	6	0.32
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD13	6	0.32
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD11	6	0.32
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD12	6	0.32
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD13	6	0.32
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD11	6	0.32
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD12	6	0.32
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD13	6	0.32
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD11	12	0.32
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD12	12	0.32
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD13	12	0.32
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD11	12	0.32
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD12	12	0.32
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD13	12	0.32
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD11	12	0.32
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD12	12	0.32
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD13	12	0.32
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD1	1	0.32
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD2	1	0.32
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD1	1	0.32
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD2	1	0.32
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD1	1	0.32
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD2	1	0.32
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD1	10	0.32
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD2	10	0.32
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD1	10	0.32
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD2	10	0.32
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD1	10	0.32
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD2	10	0.32
(1,602)	1:57:A:ASP:H	1:57:A:ASP:HB3	9	0.32
(1,599)	1:33:A:THR:H	1:33:A:THR:HG1	4	0.32
(1,590)	1:96:A:THR:H	1:97:A:ARG:H	7	0.32
(1,566)	1:98:A:LEU:H	1:98:A:LEU:HB3	2	0.32
(1,528)	1:54:A:LEU:H	1:54:A:LEU:HB3	2	0.32
(1,528)	1:54:A:LEU:H	1:54:A:LEU:HB3	8	0.32
(1,528)	1:54:A:LEU:H	1:54:A:LEU:HB3	12	0.32
(1,528)	1:54:A:LEU:H	1:54:A:LEU:HB3	14	0.32
(1,528)	1:54:A:LEU:H	1:54:A:LEU:HB3	16	0.32
(1,527)	1:93:A:HIS:H	1:92:A:GLN:HB3	11	0.32
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB1	5	0.32
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB2	5	0.32
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB3	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB1	12	0.32
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB2	12	0.32
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB3	12	0.32
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB1	13	0.32
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB2	13	0.32
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB3	13	0.32
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB1	16	0.32
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB2	16	0.32
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB3	16	0.32
(1,500)	1:100:A:GLN:H	1:100:A:GLN:HB3	5	0.32
(1,398)	1:44:A:SER:H	1:43:A:GLU:HG2	5	0.32
(1,368)	1:94:A:LEU:H	1:93:A:HIS:HB3	7	0.32
(1,368)	1:94:A:LEU:H	1:93:A:HIS:HB3	11	0.32
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB1	9	0.32
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB2	9	0.32
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB3	9	0.32
(1,331)	1:64:A:LEU:H	1:64:A:LEU:HB2	1	0.32
(1,331)	1:64:A:LEU:H	1:64:A:LEU:HB2	6	0.32
(1,331)	1:64:A:LEU:H	1:64:A:LEU:HB2	16	0.32
(1,312)	1:46:A:SER:H	1:45:A:ILE:HG12	13	0.32
(1,309)	1:56:A:ILE:H	1:51:A:PHE:HB2	3	0.32
(1,309)	1:56:A:ILE:H	1:51:A:PHE:HB2	15	0.32
(1,213)	1:38:A:GLY:H	1:38:A:GLY:HA2	14	0.32
(1,189)	1:53:A:ASP:H	1:53:A:ASP:HB3	14	0.32
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB1	1	0.32
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB2	1	0.32
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB3	1	0.32
(1,127)	1:69:A:THR:H	1:68:A:LEU:HB2	10	0.32
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG21	7	0.32
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG22	7	0.32
(1,85)	1:71:A:ASN:HD22	1:67:A:THR:HG23	7	0.32
(1,82)	1:86:A:THR:H	1:84:A:HIS:HB2	1	0.32
(1,82)	1:86:A:THR:H	1:84:A:HIS:HB2	10	0.32
(1,82)	1:86:A:THR:H	1:84:A:HIS:HB2	16	0.32
(1,80)	1:86:A:THR:H	1:85:A:PRO:HD2	1	0.32
(1,80)	1:86:A:THR:H	1:85:A:PRO:HD2	4	0.32
(1,73)	1:65:A:ARG:H	1:64:A:LEU:H	12	0.32
(1,40)	1:16:A:LEU:H	1:15:A:GLY:H	15	0.32
(1,25)	1:83:A:ASP:H	1:84:A:HIS:H	5	0.32
(1,25)	1:83:A:ASP:H	1:84:A:HIS:H	8	0.32
(1,25)	1:83:A:ASP:H	1:84:A:HIS:H	15	0.32
(1,23)	1:44:A:SER:H	1:45:A:ILE:H	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:44:A:SER:H	1:45:A:ILE:H	6	0.32
(1,22)	1:43:A:GLU:H	1:44:A:SER:H	15	0.32
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB1	3	0.31
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB2	3	0.31
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB3	3	0.31
(2,1915)	1:91:A:THR:HB	1:91:A:THR:H	2	0.31
(2,1881)	1:13:A:LEU:HG	1:9:A:LEU:HG	12	0.31
(2,1879)	1:90:A:LEU:HD11	1:90:A:LEU:H	14	0.31
(2,1879)	1:90:A:LEU:HD12	1:90:A:LEU:H	14	0.31
(2,1879)	1:90:A:LEU:HD13	1:90:A:LEU:H	14	0.31
(2,1783)	1:98:A:LEU:HD11	1:98:A:LEU:H	1	0.31
(2,1783)	1:98:A:LEU:HD12	1:98:A:LEU:H	1	0.31
(2,1783)	1:98:A:LEU:HD13	1:98:A:LEU:H	1	0.31
(2,1771)	1:97:A:ARG:HG3	1:98:A:LEU:H	9	0.31
(2,1720)	1:92:A:GLN:HG3	1:89:A:ALA:HA	4	0.31
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD11	2	0.31
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD12	2	0.31
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD13	2	0.31
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD11	2	0.31
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD12	2	0.31
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD13	2	0.31
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD11	2	0.31
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD12	2	0.31
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD13	2	0.31
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD11	12	0.31
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD12	12	0.31
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD13	12	0.31
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD11	12	0.31
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD12	12	0.31
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD13	12	0.31
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD11	12	0.31
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD12	12	0.31
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD13	12	0.31
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD11	14	0.31
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD12	14	0.31
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD13	14	0.31
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD11	14	0.31
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD12	14	0.31
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD13	14	0.31
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD11	14	0.31
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD12	14	0.31
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD13	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1601)	1:86:A:THR:HB	1:87:A:PRO:HD2	8	0.31
(2,1601)	1:86:A:THR:HB	1:87:A:PRO:HD2	11	0.31
(2,1567)	1:83:A:ASP:HB3	1:83:A:ASP:H	1	0.31
(2,1560)	1:82:A:PHE:HB2	1:83:A:ASP:H	13	0.31
(2,1547)	1:90:A:LEU:HD21	1:81:A:ILE:HA	9	0.31
(2,1547)	1:90:A:LEU:HD22	1:81:A:ILE:HA	9	0.31
(2,1547)	1:90:A:LEU:HD23	1:81:A:ILE:HA	9	0.31
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD1	16	0.31
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD2	16	0.31
(2,1483)	1:60:A:THR:HA	1:63:A:GLU:HB2	1	0.31
(2,1483)	1:60:A:THR:HA	1:63:A:GLU:HB2	16	0.31
(2,1481)	1:78:A:PRO:HA	1:80:A:LEU:H	10	0.31
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG21	2	0.31
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG22	2	0.31
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG23	2	0.31
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG21	2	0.31
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG22	2	0.31
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG23	2	0.31
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG21	2	0.31
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG22	2	0.31
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG23	2	0.31
(2,1398)	1:45:A:ILE:HD11	1:39:A:HIS:HB2	2	0.31
(2,1398)	1:45:A:ILE:HD12	1:39:A:HIS:HB2	2	0.31
(2,1398)	1:45:A:ILE:HD13	1:39:A:HIS:HB2	2	0.31
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD21	14	0.31
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD22	14	0.31
(2,1378)	1:97:A:ARG:HB3	1:74:A:LEU:HD23	14	0.31
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD21	5	0.31
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD22	5	0.31
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD23	5	0.31
(2,1367)	1:97:A:ARG:HB2	1:98:A:LEU:H	9	0.31
(2,1327)	1:68:A:LEU:HG	1:68:A:LEU:H	11	0.31
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD11	8	0.31
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD12	8	0.31
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD13	8	0.31
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD11	14	0.31
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD12	14	0.31
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD13	14	0.31
(2,1228)	1:63:A:GLU:HG2	1:63:A:GLU:H	4	0.31
(2,1228)	1:63:A:GLU:HG2	1:63:A:GLU:H	5	0.31
(2,1228)	1:63:A:GLU:HG2	1:63:A:GLU:H	7	0.31
(2,1204)	1:62:A:LEU:HG	1:59:A:LEU:HA	3	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1203)	1:62:A:LEU:HG	1:63:A:GLU:H	4	0.31
(2,1203)	1:62:A:LEU:HG	1:63:A:GLU:H	7	0.31
(2,1194)	1:63:A:GLU:HB2	1:64:A:LEU:H	3	0.31
(2,1171)	1:61:A:ALA:HB1	1:64:A:LEU:HB3	12	0.31
(2,1171)	1:61:A:ALA:HB2	1:64:A:LEU:HB3	12	0.31
(2,1171)	1:61:A:ALA:HB3	1:64:A:LEU:HB3	12	0.31
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB1	2	0.31
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB2	2	0.31
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB3	2	0.31
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB1	2	0.31
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB2	2	0.31
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB3	2	0.31
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB1	2	0.31
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB2	2	0.31
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB3	2	0.31
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB1	8	0.31
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB2	8	0.31
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB3	8	0.31
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB1	8	0.31
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB2	8	0.31
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB3	8	0.31
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB1	8	0.31
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB2	8	0.31
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB3	8	0.31
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB1	13	0.31
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB2	13	0.31
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB3	13	0.31
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB1	13	0.31
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB2	13	0.31
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB3	13	0.31
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB1	13	0.31
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB2	13	0.31
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB3	13	0.31
(2,1157)	1:56:A:ILE:HD11	1:60:A:THR:HB	2	0.31
(2,1157)	1:56:A:ILE:HD12	1:60:A:THR:HB	2	0.31
(2,1157)	1:56:A:ILE:HD13	1:60:A:THR:HB	2	0.31
(2,1047)	1:52:A:LYS:HB2	1:53:A:ASP:H	7	0.31
(2,1047)	1:52:A:LYS:HB2	1:53:A:ASP:H	12	0.31
(2,1044)	1:52:A:LYS:HB2	1:52:A:LYS:HE2	1	0.31
(2,1044)	1:52:A:LYS:HB2	1:52:A:LYS:HE2	2	0.31
(2,1030)	1:51:A:PHE:HB2	1:81:A:ILE:HG13	4	0.31
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD21	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD22	10	0.31
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD23	10	0.31
(2,976)	1:49:A:THR:HB	1:50:A:ALA:H	5	0.31
(2,950)	1:48:A:ALA:HB1	1:47:A:PRO:HA	3	0.31
(2,950)	1:48:A:ALA:HB2	1:47:A:PRO:HA	3	0.31
(2,950)	1:48:A:ALA:HB3	1:47:A:PRO:HA	3	0.31
(2,950)	1:48:A:ALA:HB1	1:47:A:PRO:HA	10	0.31
(2,950)	1:48:A:ALA:HB2	1:47:A:PRO:HA	10	0.31
(2,950)	1:48:A:ALA:HB3	1:47:A:PRO:HA	10	0.31
(2,950)	1:48:A:ALA:HB1	1:47:A:PRO:HA	16	0.31
(2,950)	1:48:A:ALA:HB2	1:47:A:PRO:HA	16	0.31
(2,950)	1:48:A:ALA:HB3	1:47:A:PRO:HA	16	0.31
(2,943)	1:46:A:SER:HA	1:47:A:PRO:HG2	3	0.31
(2,901)	1:41:A:THR:HG21	1:40:A:HIS:HD2	13	0.31
(2,901)	1:41:A:THR:HG22	1:40:A:HIS:HD2	13	0.31
(2,901)	1:41:A:THR:HG23	1:40:A:HIS:HD2	13	0.31
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG21	8	0.31
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG22	8	0.31
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG23	8	0.31
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG21	8	0.31
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG22	8	0.31
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG23	8	0.31
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG21	8	0.31
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG22	8	0.31
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG23	8	0.31
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG21	9	0.31
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG22	9	0.31
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG23	9	0.31
(2,795)	1:29:A:VAL:HG21	1:29:A:VAL:H	9	0.31
(2,795)	1:29:A:VAL:HG22	1:29:A:VAL:H	9	0.31
(2,795)	1:29:A:VAL:HG23	1:29:A:VAL:H	9	0.31
(2,795)	1:29:A:VAL:HG21	1:29:A:VAL:H	10	0.31
(2,795)	1:29:A:VAL:HG22	1:29:A:VAL:H	10	0.31
(2,795)	1:29:A:VAL:HG23	1:29:A:VAL:H	10	0.31
(2,795)	1:29:A:VAL:HG21	1:29:A:VAL:H	11	0.31
(2,795)	1:29:A:VAL:HG22	1:29:A:VAL:H	11	0.31
(2,795)	1:29:A:VAL:HG23	1:29:A:VAL:H	11	0.31
(2,795)	1:29:A:VAL:HG21	1:29:A:VAL:H	13	0.31
(2,795)	1:29:A:VAL:HG22	1:29:A:VAL:H	13	0.31
(2,795)	1:29:A:VAL:HG23	1:29:A:VAL:H	13	0.31
(2,795)	1:29:A:VAL:HG21	1:29:A:VAL:H	14	0.31
(2,795)	1:29:A:VAL:HG22	1:29:A:VAL:H	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,795)	1:29:A:VAL:HG23	1:29:A:VAL:H	14	0.31
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB1	4	0.31
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB2	4	0.31
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB3	4	0.31
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB1	7	0.31
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB2	7	0.31
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB3	7	0.31
(2,745)	1:33:A:THR:HA	1:30:A:ALA:HA	2	0.31
(2,716)	1:30:A:ALA:HB1	1:34:A:ALA:HA	9	0.31
(2,716)	1:30:A:ALA:HB2	1:34:A:ALA:HA	9	0.31
(2,716)	1:30:A:ALA:HB3	1:34:A:ALA:HA	9	0.31
(2,698)	1:83:A:ASP:HA	1:82:A:PHE:H	4	0.31
(2,698)	1:83:A:ASP:HA	1:82:A:PHE:H	11	0.31
(2,698)	1:83:A:ASP:HA	1:82:A:PHE:H	12	0.31
(2,690)	1:29:A:VAL:HG11	1:29:A:VAL:H	4	0.31
(2,690)	1:29:A:VAL:HG12	1:29:A:VAL:H	4	0.31
(2,690)	1:29:A:VAL:HG13	1:29:A:VAL:H	4	0.31
(2,679)	1:29:A:VAL:HG11	1:33:A:THR:HG1	7	0.31
(2,679)	1:29:A:VAL:HG12	1:33:A:THR:HG1	7	0.31
(2,679)	1:29:A:VAL:HG13	1:33:A:THR:HG1	7	0.31
(2,641)	1:54:A:LEU:HG	1:54:A:LEU:HA	9	0.31
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB1	4	0.31
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB2	4	0.31
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB3	4	0.31
(2,580)	1:26:A:ALA:HB1	1:28:A:LEU:H	3	0.31
(2,580)	1:26:A:ALA:HB2	1:28:A:LEU:H	3	0.31
(2,580)	1:26:A:ALA:HB3	1:28:A:LEU:H	3	0.31
(2,580)	1:26:A:ALA:HB1	1:28:A:LEU:H	6	0.31
(2,580)	1:26:A:ALA:HB2	1:28:A:LEU:H	6	0.31
(2,580)	1:26:A:ALA:HB3	1:28:A:LEU:H	6	0.31
(2,580)	1:26:A:ALA:HB1	1:28:A:LEU:H	8	0.31
(2,580)	1:26:A:ALA:HB2	1:28:A:LEU:H	8	0.31
(2,580)	1:26:A:ALA:HB3	1:28:A:LEU:H	8	0.31
(2,580)	1:26:A:ALA:HB1	1:28:A:LEU:H	10	0.31
(2,580)	1:26:A:ALA:HB2	1:28:A:LEU:H	10	0.31
(2,580)	1:26:A:ALA:HB3	1:28:A:LEU:H	10	0.31
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG21	10	0.31
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG22	10	0.31
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG23	10	0.31
(2,564)	1:28:A:LEU:HD11	1:71:A:ASN:HB3	1	0.31
(2,564)	1:28:A:LEU:HD12	1:71:A:ASN:HB3	1	0.31
(2,564)	1:28:A:LEU:HD13	1:71:A:ASN:HB3	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,563)	1:28:A:LEU:HD11	1:29:A:VAL:HA	16	0.31
(2,563)	1:28:A:LEU:HD12	1:29:A:VAL:HA	16	0.31
(2,563)	1:28:A:LEU:HD13	1:29:A:VAL:HA	16	0.31
(2,478)	1:59:A:LEU:HG	1:60:A:THR:H	5	0.31
(2,478)	1:59:A:LEU:HG	1:60:A:THR:H	15	0.31
(2,477)	1:25:A:LEU:HG	1:25:A:LEU:H	1	0.31
(2,433)	1:21:A:GLN:HG2	1:21:A:GLN:HA	16	0.31
(2,402)	1:22:A:GLN:HB2	1:23:A:GLN:H	4	0.31
(2,402)	1:22:A:GLN:HB2	1:23:A:GLN:H	12	0.31
(2,366)	1:17:A:SER:HB3	1:17:A:SER:HA	4	0.31
(2,366)	1:17:A:SER:HB3	1:17:A:SER:HA	5	0.31
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD21	9	0.31
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD22	9	0.31
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD23	9	0.31
(2,299)	1:13:A:LEU:HB2	1:14:A:ASN:H	16	0.31
(2,262)	1:12:A:ARG:HB2	1:12:A:ARG:H	4	0.31
(2,262)	1:12:A:ARG:HB2	1:12:A:ARG:H	7	0.31
(2,262)	1:12:A:ARG:HB2	1:12:A:ARG:H	14	0.31
(2,204)	1:9:A:LEU:HB3	1:10:A:ALA:H	1	0.31
(2,204)	1:9:A:LEU:HB3	1:10:A:ALA:H	7	0.31
(2,204)	1:9:A:LEU:HB3	1:10:A:ALA:H	14	0.31
(2,201)	1:6:A:ALA:HA	1:9:A:LEU:HB3	9	0.31
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB1	5	0.31
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB2	5	0.31
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB3	5	0.31
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB1	12	0.31
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB2	12	0.31
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB3	12	0.31
(2,71)	1:81:A:ILE:HD11	1:81:A:ILE:HA	9	0.31
(2,71)	1:81:A:ILE:HD12	1:81:A:ILE:HA	9	0.31
(2,71)	1:81:A:ILE:HD13	1:81:A:ILE:HA	9	0.31
(2,71)	1:81:A:ILE:HD11	1:81:A:ILE:HA	11	0.31
(2,71)	1:81:A:ILE:HD12	1:81:A:ILE:HA	11	0.31
(2,71)	1:81:A:ILE:HD13	1:81:A:ILE:HA	11	0.31
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD11	4	0.31
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD12	4	0.31
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD13	4	0.31
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD11	4	0.31
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD12	4	0.31
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD13	4	0.31
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD11	4	0.31
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD12	4	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD13	4	0.31
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD11	10	0.31
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD12	10	0.31
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD13	10	0.31
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD11	10	0.31
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD12	10	0.31
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD13	10	0.31
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD11	10	0.31
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD12	10	0.31
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD13	10	0.31
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD11	14	0.31
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD12	14	0.31
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD13	14	0.31
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD11	14	0.31
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD12	14	0.31
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD13	14	0.31
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD11	14	0.31
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD12	14	0.31
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD13	14	0.31
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD11	16	0.31
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD12	16	0.31
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD13	16	0.31
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD11	16	0.31
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD12	16	0.31
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD13	16	0.31
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD11	16	0.31
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD12	16	0.31
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD13	16	0.31
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD11	11	0.31
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD12	11	0.31
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD13	11	0.31
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD11	11	0.31
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD12	11	0.31
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD13	11	0.31
(2,18)	1:21:A:GLN:HB3	1:95:A:HIS:HD2	14	0.31
(2,17)	1:95:A:HIS:HD2	1:95:A:HIS:HB2	13	0.31
(2,17)	1:95:A:HIS:HD2	1:95:A:HIS:HB2	15	0.31
(1,599)	1:33:A:THR:H	1:33:A:THR:HG1	2	0.31
(1,599)	1:33:A:THR:H	1:33:A:THR:HG1	16	0.31
(1,590)	1:96:A:THR:H	1:97:A:ARG:H	10	0.31
(1,568)	1:98:A:LEU:H	1:98:A:LEU:HD11	1	0.31
(1,568)	1:98:A:LEU:H	1:98:A:LEU:HD12	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:98:A:LEU:H	1:98:A:LEU:HD13	1	0.31
(1,566)	1:98:A:LEU:H	1:98:A:LEU:HB3	14	0.31
(1,561)	1:22:A:GLN:H	1:21:A:GLN:HB2	13	0.31
(1,552)	1:12:A:ARG:H	1:12:A:ARG:HB3	9	0.31
(1,552)	1:12:A:ARG:H	1:12:A:ARG:HB3	11	0.31
(1,552)	1:12:A:ARG:H	1:12:A:ARG:HB3	12	0.31
(1,528)	1:54:A:LEU:H	1:54:A:LEU:HB3	5	0.31
(1,528)	1:54:A:LEU:H	1:54:A:LEU:HB3	7	0.31
(1,528)	1:54:A:LEU:H	1:54:A:LEU:HB3	9	0.31
(1,528)	1:54:A:LEU:H	1:54:A:LEU:HB3	10	0.31
(1,528)	1:54:A:LEU:H	1:54:A:LEU:HB3	11	0.31
(1,528)	1:54:A:LEU:H	1:54:A:LEU:HB3	13	0.31
(1,528)	1:54:A:LEU:H	1:54:A:LEU:HB3	15	0.31
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB1	3	0.31
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB2	3	0.31
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB3	3	0.31
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB1	6	0.31
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB2	6	0.31
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB3	6	0.31
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB1	8	0.31
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB2	8	0.31
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB3	8	0.31
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB1	10	0.31
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB2	10	0.31
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB3	10	0.31
(1,479)	1:68:A:LEU:H	1:68:A:LEU:HG	9	0.31
(1,390)	1:65:A:ARG:HE	1:65:A:ARG:HD3	6	0.31
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD21	6	0.31
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD22	6	0.31
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD23	6	0.31
(1,331)	1:64:A:LEU:H	1:64:A:LEU:HB2	2	0.31
(1,331)	1:64:A:LEU:H	1:64:A:LEU:HB2	4	0.31
(1,331)	1:64:A:LEU:H	1:64:A:LEU:HB2	5	0.31
(1,331)	1:64:A:LEU:H	1:64:A:LEU:HB2	8	0.31
(1,310)	1:76:A:LEU:H	1:76:A:LEU:HB2	9	0.31
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD21	2	0.31
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD22	2	0.31
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD23	2	0.31
(1,213)	1:38:A:GLY:H	1:38:A:GLY:HA2	7	0.31
(1,213)	1:38:A:GLY:H	1:38:A:GLY:HA2	10	0.31
(1,213)	1:38:A:GLY:H	1:38:A:GLY:HA2	12	0.31
(1,213)	1:38:A:GLY:H	1:38:A:GLY:HA2	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB1	3	0.31
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB2	3	0.31
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB3	3	0.31
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB1	10	0.31
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB2	10	0.31
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB3	10	0.31
(1,128)	1:69:A:THR:H	1:69:A:THR:HG21	9	0.31
(1,128)	1:69:A:THR:H	1:69:A:THR:HG22	9	0.31
(1,128)	1:69:A:THR:H	1:69:A:THR:HG23	9	0.31
(1,80)	1:86:A:THR:H	1:85:A:PRO:HD2	8	0.31
(1,73)	1:65:A:ARG:H	1:64:A:LEU:H	13	0.31
(1,73)	1:65:A:ARG:H	1:64:A:LEU:H	14	0.31
(1,56)	1:60:A:THR:H	1:59:A:LEU:HB2	2	0.31
(1,56)	1:60:A:THR:H	1:59:A:LEU:HB2	4	0.31
(1,56)	1:60:A:THR:H	1:59:A:LEU:HB2	9	0.31
(1,25)	1:83:A:ASP:H	1:84:A:HIS:H	9	0.31
(1,22)	1:43:A:GLU:H	1:44:A:SER:H	10	0.31
(1,21)	1:7:A:THR:H	1:6:A:ALA:H	1	0.31
(1,21)	1:7:A:THR:H	1:6:A:ALA:H	13	0.31
(1,17)	1:100:A:GLN:H	1:99:A:THR:H	4	0.31
(1,17)	1:100:A:GLN:H	1:99:A:THR:H	11	0.31
(2,1915)	1:91:A:THR:HB	1:91:A:THR:H	5	0.3
(2,1915)	1:91:A:THR:HB	1:91:A:THR:H	10	0.3
(2,1915)	1:91:A:THR:HB	1:91:A:THR:H	13	0.3
(2,1915)	1:91:A:THR:HB	1:91:A:THR:H	14	0.3
(2,1848)	1:95:A:HIS:HD2	1:22:A:GLN:H	14	0.3
(2,1783)	1:98:A:LEU:HD11	1:98:A:LEU:H	7	0.3
(2,1783)	1:98:A:LEU:HD12	1:98:A:LEU:H	7	0.3
(2,1783)	1:98:A:LEU:HD13	1:98:A:LEU:H	7	0.3
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD11	3	0.3
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD12	3	0.3
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD13	3	0.3
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD11	6	0.3
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD12	6	0.3
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD13	6	0.3
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD11	10	0.3
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD12	10	0.3
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD13	10	0.3
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD11	12	0.3
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD12	12	0.3
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD13	12	0.3
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG21	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG22	6	0.3
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG23	6	0.3
(2,1736)	1:94:A:LEU:HA	1:93:A:HIS:HD2	7	0.3
(2,1722)	1:92:A:GLN:HG3	1:92:A:GLN:H	10	0.3
(2,1722)	1:92:A:GLN:HG3	1:92:A:GLN:H	15	0.3
(2,1720)	1:92:A:GLN:HG3	1:89:A:ALA:HA	11	0.3
(2,1720)	1:92:A:GLN:HG3	1:89:A:ALA:HA	15	0.3
(2,1697)	1:91:A:THR:HA	1:94:A:LEU:HB3	6	0.3
(2,1697)	1:91:A:THR:HA	1:94:A:LEU:HB3	14	0.3
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD11	1	0.3
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD12	1	0.3
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD13	1	0.3
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD11	1	0.3
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD12	1	0.3
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD13	1	0.3
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD11	1	0.3
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD12	1	0.3
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD13	1	0.3
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE1	6	0.3
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE2	6	0.3
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE1	6	0.3
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE2	6	0.3
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE1	6	0.3
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE2	6	0.3
(2,1630)	1:87:A:PRO:HD3	1:51:A:PHE:H	2	0.3
(2,1601)	1:86:A:THR:HB	1:87:A:PRO:HD2	14	0.3
(2,1567)	1:83:A:ASP:HB3	1:83:A:ASP:H	12	0.3
(2,1567)	1:83:A:ASP:HB3	1:83:A:ASP:H	14	0.3
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG21	7	0.3
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG22	7	0.3
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG23	7	0.3
(2,1483)	1:60:A:THR:HA	1:63:A:GLU:HB2	3	0.3
(2,1483)	1:60:A:THR:HA	1:63:A:GLU:HB2	11	0.3
(2,1481)	1:78:A:PRO:HA	1:80:A:LEU:H	12	0.3
(2,1433)	1:71:A:ASN:HA	1:70:A:HIS:HD2	10	0.3
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG21	3	0.3
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG22	3	0.3
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG23	3	0.3
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG21	3	0.3
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG22	3	0.3
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG23	3	0.3
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG21	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG22	3	0.3
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG23	3	0.3
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG21	10	0.3
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG22	10	0.3
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG23	10	0.3
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG21	10	0.3
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG22	10	0.3
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG23	10	0.3
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG21	10	0.3
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG22	10	0.3
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG23	10	0.3
(2,1412)	1:56:A:ILE:HD11	1:33:A:THR:HB	5	0.3
(2,1412)	1:56:A:ILE:HD12	1:33:A:THR:HB	5	0.3
(2,1412)	1:56:A:ILE:HD13	1:33:A:THR:HB	5	0.3
(2,1412)	1:56:A:ILE:HD11	1:33:A:THR:HB	6	0.3
(2,1412)	1:56:A:ILE:HD12	1:33:A:THR:HB	6	0.3
(2,1412)	1:56:A:ILE:HD13	1:33:A:THR:HB	6	0.3
(2,1412)	1:56:A:ILE:HD11	1:33:A:THR:HB	10	0.3
(2,1412)	1:56:A:ILE:HD12	1:33:A:THR:HB	10	0.3
(2,1412)	1:56:A:ILE:HD13	1:33:A:THR:HB	10	0.3
(2,1412)	1:56:A:ILE:HD11	1:33:A:THR:HB	15	0.3
(2,1412)	1:56:A:ILE:HD12	1:33:A:THR:HB	15	0.3
(2,1412)	1:56:A:ILE:HD13	1:33:A:THR:HB	15	0.3
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD11	14	0.3
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD12	14	0.3
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD13	14	0.3
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD21	8	0.3
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD22	8	0.3
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD23	8	0.3
(2,1228)	1:63:A:GLU:HG2	1:63:A:GLU:H	3	0.3
(2,1228)	1:63:A:GLU:HG2	1:63:A:GLU:H	10	0.3
(2,1228)	1:63:A:GLU:HG2	1:63:A:GLU:H	16	0.3
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG21	12	0.3
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG22	12	0.3
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG23	12	0.3
(2,1204)	1:62:A:LEU:HG	1:59:A:LEU:HA	6	0.3
(2,1194)	1:63:A:GLU:HB2	1:64:A:LEU:H	15	0.3
(2,1171)	1:61:A:ALA:HB1	1:64:A:LEU:HB3	5	0.3
(2,1171)	1:61:A:ALA:HB2	1:64:A:LEU:HB3	5	0.3
(2,1171)	1:61:A:ALA:HB3	1:64:A:LEU:HB3	5	0.3
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB1	3	0.3
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB2	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB3	3	0.3
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB1	3	0.3
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB2	3	0.3
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB3	3	0.3
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB1	3	0.3
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB2	3	0.3
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB3	3	0.3
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB1	10	0.3
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB2	10	0.3
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB3	10	0.3
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB1	10	0.3
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB2	10	0.3
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB3	10	0.3
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB1	10	0.3
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB2	10	0.3
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB3	10	0.3
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB1	14	0.3
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB2	14	0.3
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB3	14	0.3
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB1	14	0.3
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB2	14	0.3
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB3	14	0.3
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB1	14	0.3
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB2	14	0.3
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB3	14	0.3
(2,1157)	1:56:A:ILE:HD11	1:60:A:THR:HB	12	0.3
(2,1157)	1:56:A:ILE:HD12	1:60:A:THR:HB	12	0.3
(2,1157)	1:56:A:ILE:HD13	1:60:A:THR:HB	12	0.3
(2,1157)	1:56:A:ILE:HD11	1:60:A:THR:HB	13	0.3
(2,1157)	1:56:A:ILE:HD12	1:60:A:THR:HB	13	0.3
(2,1157)	1:56:A:ILE:HD13	1:60:A:THR:HB	13	0.3
(2,1053)	1:52:A:LYS:HG2	1:52:A:LYS:HA	11	0.3
(2,1047)	1:52:A:LYS:HB2	1:53:A:ASP:H	11	0.3
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD21	9	0.3
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD22	9	0.3
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD23	9	0.3
(2,976)	1:49:A:THR:HB	1:50:A:ALA:H	11	0.3
(2,960)	1:47:A:PRO:HD2	1:46:A:SER:HB3	11	0.3
(2,950)	1:48:A:ALA:HB1	1:47:A:PRO:HA	5	0.3
(2,950)	1:48:A:ALA:HB2	1:47:A:PRO:HA	5	0.3
(2,950)	1:48:A:ALA:HB3	1:47:A:PRO:HA	5	0.3
(2,950)	1:48:A:ALA:HB1	1:47:A:PRO:HA	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,950)	1:48:A:ALA:HB2	1:47:A:PRO:HA	9	0.3
(2,950)	1:48:A:ALA:HB3	1:47:A:PRO:HA	9	0.3
(2,950)	1:48:A:ALA:HB1	1:47:A:PRO:HA	12	0.3
(2,950)	1:48:A:ALA:HB2	1:47:A:PRO:HA	12	0.3
(2,950)	1:48:A:ALA:HB3	1:47:A:PRO:HA	12	0.3
(2,950)	1:48:A:ALA:HB1	1:47:A:PRO:HA	13	0.3
(2,950)	1:48:A:ALA:HB2	1:47:A:PRO:HA	13	0.3
(2,950)	1:48:A:ALA:HB3	1:47:A:PRO:HA	13	0.3
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG21	10	0.3
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG22	10	0.3
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG23	10	0.3
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG21	10	0.3
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG22	10	0.3
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG23	10	0.3
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG21	10	0.3
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG22	10	0.3
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG23	10	0.3
(2,832)	1:37:A:LEU:HB2	1:37:A:LEU:H	3	0.3
(2,827)	1:36:A:VAL:HG11	1:64:A:LEU:H	3	0.3
(2,827)	1:36:A:VAL:HG12	1:64:A:LEU:H	3	0.3
(2,827)	1:36:A:VAL:HG13	1:64:A:LEU:H	3	0.3
(2,827)	1:36:A:VAL:HG11	1:64:A:LEU:H	11	0.3
(2,827)	1:36:A:VAL:HG12	1:64:A:LEU:H	11	0.3
(2,827)	1:36:A:VAL:HG13	1:64:A:LEU:H	11	0.3
(2,827)	1:36:A:VAL:HG11	1:64:A:LEU:H	16	0.3
(2,827)	1:36:A:VAL:HG12	1:64:A:LEU:H	16	0.3
(2,827)	1:36:A:VAL:HG13	1:64:A:LEU:H	16	0.3
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG21	13	0.3
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG22	13	0.3
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG23	13	0.3
(2,795)	1:29:A:VAL:HG21	1:29:A:VAL:H	12	0.3
(2,795)	1:29:A:VAL:HG22	1:29:A:VAL:H	12	0.3
(2,795)	1:29:A:VAL:HG23	1:29:A:VAL:H	12	0.3
(2,785)	1:27:A:THR:HB	1:23:A:GLN:HB2	2	0.3
(2,785)	1:27:A:THR:HB	1:23:A:GLN:HB2	4	0.3
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB1	13	0.3
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB2	13	0.3
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB3	13	0.3
(2,698)	1:83:A:ASP:HA	1:82:A:PHE:H	3	0.3
(2,698)	1:83:A:ASP:HA	1:82:A:PHE:H	6	0.3
(2,641)	1:54:A:LEU:HG	1:54:A:LEU:HA	16	0.3
(2,624)	1:28:A:LEU:HB3	1:28:A:LEU:H	16	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB1	7	0.3
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB2	7	0.3
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB3	7	0.3
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB1	13	0.3
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB2	13	0.3
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB3	13	0.3
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB1	15	0.3
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB2	15	0.3
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB3	15	0.3
(2,580)	1:26:A:ALA:HB1	1:28:A:LEU:H	7	0.3
(2,580)	1:26:A:ALA:HB2	1:28:A:LEU:H	7	0.3
(2,580)	1:26:A:ALA:HB3	1:28:A:LEU:H	7	0.3
(2,580)	1:26:A:ALA:HB1	1:28:A:LEU:H	11	0.3
(2,580)	1:26:A:ALA:HB2	1:28:A:LEU:H	11	0.3
(2,580)	1:26:A:ALA:HB3	1:28:A:LEU:H	11	0.3
(2,564)	1:28:A:LEU:HD11	1:71:A:ASN:HB3	5	0.3
(2,564)	1:28:A:LEU:HD12	1:71:A:ASN:HB3	5	0.3
(2,564)	1:28:A:LEU:HD13	1:71:A:ASN:HB3	5	0.3
(2,564)	1:28:A:LEU:HD11	1:71:A:ASN:HB3	13	0.3
(2,564)	1:28:A:LEU:HD12	1:71:A:ASN:HB3	13	0.3
(2,564)	1:28:A:LEU:HD13	1:71:A:ASN:HB3	13	0.3
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD11	3	0.3
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD12	3	0.3
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD13	3	0.3
(2,525)	1:96:A:THR:HB	1:96:A:THR:H	14	0.3
(2,511)	1:23:A:GLN:HG3	1:20:A:GLN:HA	4	0.3
(2,511)	1:23:A:GLN:HG3	1:20:A:GLN:HA	14	0.3
(2,478)	1:59:A:LEU:HG	1:60:A:THR:H	1	0.3
(2,478)	1:59:A:LEU:HG	1:60:A:THR:H	2	0.3
(2,478)	1:59:A:LEU:HG	1:60:A:THR:H	6	0.3
(2,478)	1:59:A:LEU:HG	1:60:A:THR:H	9	0.3
(2,477)	1:25:A:LEU:HG	1:25:A:LEU:H	9	0.3
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD11	6	0.3
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD12	6	0.3
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD13	6	0.3
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD11	11	0.3
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD12	11	0.3
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD13	11	0.3
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD11	13	0.3
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD12	13	0.3
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD13	13	0.3
(2,433)	1:21:A:GLN:HG2	1:21:A:GLN:HA	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,414)	1:9:A:LEU:HA	1:8:A:ASP:HB2	7	0.3
(2,366)	1:17:A:SER:HB3	1:17:A:SER:HA	8	0.3
(2,366)	1:17:A:SER:HB3	1:17:A:SER:HA	14	0.3
(2,337)	1:11:A:ALA:HA	1:14:A:ASN:HB2	15	0.3
(2,295)	1:59:A:LEU:HB2	1:60:A:THR:H	7	0.3
(2,262)	1:12:A:ARG:HB2	1:12:A:ARG:H	3	0.3
(2,262)	1:12:A:ARG:HB2	1:12:A:ARG:H	13	0.3
(2,262)	1:12:A:ARG:HB2	1:12:A:ARG:H	15	0.3
(2,262)	1:12:A:ARG:HB2	1:12:A:ARG:H	16	0.3
(2,111)	1:6:A:ALA:HB1	1:4:A:SER:HB3	2	0.3
(2,111)	1:6:A:ALA:HB2	1:4:A:SER:HB3	2	0.3
(2,111)	1:6:A:ALA:HB3	1:4:A:SER:HB3	2	0.3
(2,92)	1:4:A:SER:HA	1:3:A:ALA:HB1	7	0.3
(2,92)	1:4:A:SER:HA	1:3:A:ALA:HB2	7	0.3
(2,92)	1:4:A:SER:HA	1:3:A:ALA:HB3	7	0.3
(2,71)	1:81:A:ILE:HD11	1:81:A:ILE:HA	3	0.3
(2,71)	1:81:A:ILE:HD12	1:81:A:ILE:HA	3	0.3
(2,71)	1:81:A:ILE:HD13	1:81:A:ILE:HA	3	0.3
(2,71)	1:81:A:ILE:HD11	1:81:A:ILE:HA	15	0.3
(2,71)	1:81:A:ILE:HD12	1:81:A:ILE:HA	15	0.3
(2,71)	1:81:A:ILE:HD13	1:81:A:ILE:HA	15	0.3
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD11	2	0.3
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD12	2	0.3
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD13	2	0.3
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD11	2	0.3
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD12	2	0.3
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD13	2	0.3
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD11	2	0.3
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD12	2	0.3
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD13	2	0.3
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD11	5	0.3
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD12	5	0.3
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD13	5	0.3
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD11	5	0.3
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD12	5	0.3
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD13	5	0.3
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD11	5	0.3
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD12	5	0.3
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD13	5	0.3
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD11	13	0.3
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD12	13	0.3
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD13	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD11	13	0.3
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD12	13	0.3
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD13	13	0.3
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD11	13	0.3
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD12	13	0.3
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD13	13	0.3
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD1	14	0.3
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD2	14	0.3
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD1	14	0.3
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD2	14	0.3
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD1	14	0.3
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD2	14	0.3
(2,19)	1:102:A:HIS:HB3	1:102:A:HIS:HD2	6	0.3
(2,19)	1:102:A:HIS:HB3	1:102:A:HIS:HD2	9	0.3
(1,599)	1:33:A:THR:H	1:33:A:THR:HG1	3	0.3
(1,599)	1:33:A:THR:H	1:33:A:THR:HG1	9	0.3
(1,568)	1:98:A:LEU:H	1:98:A:LEU:HD11	7	0.3
(1,568)	1:98:A:LEU:H	1:98:A:LEU:HD12	7	0.3
(1,568)	1:98:A:LEU:H	1:98:A:LEU:HD13	7	0.3
(1,566)	1:98:A:LEU:H	1:98:A:LEU:HB3	13	0.3
(1,552)	1:12:A:ARG:H	1:12:A:ARG:HB3	1	0.3
(1,552)	1:12:A:ARG:H	1:12:A:ARG:HB3	3	0.3
(1,552)	1:12:A:ARG:H	1:12:A:ARG:HB3	8	0.3
(1,552)	1:12:A:ARG:H	1:12:A:ARG:HB3	10	0.3
(1,552)	1:12:A:ARG:H	1:12:A:ARG:HB3	15	0.3
(1,552)	1:12:A:ARG:H	1:12:A:ARG:HB3	16	0.3
(1,528)	1:54:A:LEU:H	1:54:A:LEU:HB3	4	0.3
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB1	7	0.3
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB2	7	0.3
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB3	7	0.3
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB1	11	0.3
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB2	11	0.3
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB3	11	0.3
(1,390)	1:65:A:ARG:HE	1:65:A:ARG:HD3	2	0.3
(1,342)	1:66:A:ASN:H	1:66:A:ASN:HB2	13	0.3
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD21	14	0.3
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD22	14	0.3
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD23	14	0.3
(1,331)	1:64:A:LEU:H	1:64:A:LEU:HB2	3	0.3
(1,331)	1:64:A:LEU:H	1:64:A:LEU:HB2	9	0.3
(1,331)	1:64:A:LEU:H	1:64:A:LEU:HB2	13	0.3
(1,331)	1:64:A:LEU:H	1:64:A:LEU:HB2	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,331)	1:64:A:LEU:H	1:64:A:LEU:HB2	15	0.3
(1,312)	1:46:A:SER:H	1:45:A:ILE:HG12	1	0.3
(1,312)	1:46:A:SER:H	1:45:A:ILE:HG12	4	0.3
(1,312)	1:46:A:SER:H	1:45:A:ILE:HG12	6	0.3
(1,312)	1:46:A:SER:H	1:45:A:ILE:HG12	7	0.3
(1,312)	1:46:A:SER:H	1:45:A:ILE:HG12	10	0.3
(1,312)	1:46:A:SER:H	1:45:A:ILE:HG12	11	0.3
(1,309)	1:56:A:ILE:H	1:51:A:PHE:HB2	16	0.3
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD21	5	0.3
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD22	5	0.3
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD23	5	0.3
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD21	11	0.3
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD22	11	0.3
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD23	11	0.3
(1,286)	1:14:A:ASN:H	1:13:A:LEU:HB2	2	0.3
(1,270)	1:81:A:ILE:H	1:81:A:ILE:HG12	9	0.3
(1,213)	1:38:A:GLY:H	1:38:A:GLY:HA2	1	0.3
(1,213)	1:38:A:GLY:H	1:38:A:GLY:HA2	9	0.3
(1,213)	1:38:A:GLY:H	1:38:A:GLY:HA2	11	0.3
(1,185)	1:16:A:LEU:H	1:16:A:LEU:HD21	11	0.3
(1,185)	1:16:A:LEU:H	1:16:A:LEU:HD22	11	0.3
(1,185)	1:16:A:LEU:H	1:16:A:LEU:HD23	11	0.3
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB1	7	0.3
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB2	7	0.3
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB3	7	0.3
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB1	14	0.3
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB2	14	0.3
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB3	14	0.3
(1,110)	1:52:A:LYS:H	1:52:A:LYS:HG3	7	0.3
(1,94)	1:71:A:ASN:HD22	1:68:A:LEU:HA	4	0.3
(1,94)	1:71:A:ASN:HD22	1:68:A:LEU:HA	8	0.3
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD11	3	0.3
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD12	3	0.3
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD13	3	0.3
(1,80)	1:86:A:THR:H	1:85:A:PRO:HD2	2	0.3
(1,80)	1:86:A:THR:H	1:85:A:PRO:HD2	6	0.3
(1,56)	1:60:A:THR:H	1:59:A:LEU:HB2	3	0.3
(1,56)	1:60:A:THR:H	1:59:A:LEU:HB2	8	0.3
(1,44)	1:79:A:THR:H	1:78:A:PRO:HA	9	0.3
(1,33)	1:54:A:LEU:H	1:55:A:GLY:H	1	0.3
(1,25)	1:83:A:ASP:H	1:84:A:HIS:H	7	0.3
(1,22)	1:43:A:GLU:H	1:44:A:SER:H	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:43:A:GLU:H	1:44:A:SER:H	14	0.3
(1,21)	1:7:A:THR:H	1:6:A:ALA:H	8	0.3
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB1	16	0.29
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB2	16	0.29
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB3	16	0.29
(2,1915)	1:91:A:THR:HB	1:91:A:THR:H	9	0.29
(2,1915)	1:91:A:THR:HB	1:91:A:THR:H	15	0.29
(2,1915)	1:91:A:THR:HB	1:91:A:THR:H	16	0.29
(2,1898)	1:30:A:ALA:HB1	1:42:A:PRO:HB3	4	0.29
(2,1898)	1:30:A:ALA:HB2	1:42:A:PRO:HB3	4	0.29
(2,1898)	1:30:A:ALA:HB3	1:42:A:PRO:HB3	4	0.29
(2,1888)	1:13:A:LEU:HG	1:13:A:LEU:H	1	0.29
(2,1888)	1:13:A:LEU:HG	1:13:A:LEU:H	7	0.29
(2,1885)	1:13:A:LEU:HG	1:13:A:LEU:HA	11	0.29
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD11	4	0.29
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD12	4	0.29
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD13	4	0.29
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD11	13	0.29
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD12	13	0.29
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD13	13	0.29
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD11	14	0.29
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD12	14	0.29
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD13	14	0.29
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD11	15	0.29
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD12	15	0.29
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD13	15	0.29
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD11	16	0.29
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD12	16	0.29
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD13	16	0.29
(2,1741)	1:94:A:LEU:HA	1:74:A:LEU:HB2	2	0.29
(2,1720)	1:92:A:GLN:HG3	1:89:A:ALA:HA	5	0.29
(2,1714)	1:92:A:GLN:HG2	1:92:A:GLN:HA	2	0.29
(2,1688)	1:91:A:THR:HB	1:91:A:THR:HA	2	0.29
(2,1688)	1:91:A:THR:HB	1:91:A:THR:HA	3	0.29
(2,1688)	1:91:A:THR:HB	1:91:A:THR:HA	4	0.29
(2,1688)	1:91:A:THR:HB	1:91:A:THR:HA	6	0.29
(2,1688)	1:91:A:THR:HB	1:91:A:THR:HA	10	0.29
(2,1688)	1:91:A:THR:HB	1:91:A:THR:HA	11	0.29
(2,1688)	1:91:A:THR:HB	1:91:A:THR:HA	12	0.29
(2,1688)	1:91:A:THR:HB	1:91:A:THR:HA	13	0.29
(2,1688)	1:91:A:THR:HB	1:91:A:THR:HA	14	0.29
(2,1688)	1:91:A:THR:HB	1:91:A:THR:HA	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD11	7	0.29
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD12	7	0.29
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD13	7	0.29
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD11	7	0.29
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD12	7	0.29
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD13	7	0.29
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD11	7	0.29
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD12	7	0.29
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD13	7	0.29
(2,1680)	1:90:A:LEU:HD21	1:51:A:PHE:HZ	10	0.29
(2,1680)	1:90:A:LEU:HD22	1:51:A:PHE:HZ	10	0.29
(2,1680)	1:90:A:LEU:HD23	1:51:A:PHE:HZ	10	0.29
(2,1650)	1:89:A:ALA:HB1	1:85:A:PRO:HD2	1	0.29
(2,1650)	1:89:A:ALA:HB2	1:85:A:PRO:HD2	1	0.29
(2,1650)	1:89:A:ALA:HB3	1:85:A:PRO:HD2	1	0.29
(2,1650)	1:89:A:ALA:HB1	1:85:A:PRO:HD2	4	0.29
(2,1650)	1:89:A:ALA:HB2	1:85:A:PRO:HD2	4	0.29
(2,1650)	1:89:A:ALA:HB3	1:85:A:PRO:HD2	4	0.29
(2,1650)	1:89:A:ALA:HB1	1:85:A:PRO:HD2	10	0.29
(2,1650)	1:89:A:ALA:HB2	1:85:A:PRO:HD2	10	0.29
(2,1650)	1:89:A:ALA:HB3	1:85:A:PRO:HD2	10	0.29
(2,1630)	1:87:A:PRO:HD3	1:51:A:PHE:H	7	0.29
(2,1630)	1:87:A:PRO:HD3	1:51:A:PHE:H	13	0.29
(2,1601)	1:86:A:THR:HB	1:87:A:PRO:HD2	4	0.29
(2,1601)	1:86:A:THR:HB	1:87:A:PRO:HD2	6	0.29
(2,1601)	1:86:A:THR:HB	1:87:A:PRO:HD2	12	0.29
(2,1601)	1:86:A:THR:HB	1:87:A:PRO:HD2	16	0.29
(2,1589)	1:85:A:PRO:HB3	1:85:A:PRO:HA	1	0.29
(2,1589)	1:85:A:PRO:HB3	1:85:A:PRO:HA	2	0.29
(2,1589)	1:85:A:PRO:HB3	1:85:A:PRO:HA	5	0.29
(2,1589)	1:85:A:PRO:HB3	1:85:A:PRO:HA	7	0.29
(2,1589)	1:85:A:PRO:HB3	1:85:A:PRO:HA	8	0.29
(2,1589)	1:85:A:PRO:HB3	1:85:A:PRO:HA	9	0.29
(2,1589)	1:85:A:PRO:HB3	1:85:A:PRO:HA	10	0.29
(2,1589)	1:85:A:PRO:HB3	1:85:A:PRO:HA	11	0.29
(2,1589)	1:85:A:PRO:HB3	1:85:A:PRO:HA	13	0.29
(2,1589)	1:85:A:PRO:HB3	1:85:A:PRO:HA	16	0.29
(2,1586)	1:85:A:PRO:HG2	1:85:A:PRO:HB2	1	0.29
(2,1586)	1:85:A:PRO:HG2	1:85:A:PRO:HB2	10	0.29
(2,1567)	1:83:A:ASP:HB3	1:83:A:ASP:H	6	0.29
(2,1538)	1:98:A:LEU:HB3	1:99:A:THR:H	1	0.29
(2,1519)	1:16:A:LEU:HB2	1:21:A:GLN:HG3	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1481)	1:78:A:PRO:HA	1:80:A:LEU:H	16	0.29
(2,1433)	1:71:A:ASN:HA	1:70:A:HIS:HD2	13	0.29
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG21	14	0.29
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG22	14	0.29
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG23	14	0.29
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG21	14	0.29
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG22	14	0.29
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG23	14	0.29
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG21	14	0.29
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG22	14	0.29
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG23	14	0.29
(2,1412)	1:56:A:ILE:HD11	1:33:A:THR:HB	12	0.29
(2,1412)	1:56:A:ILE:HD12	1:33:A:THR:HB	12	0.29
(2,1412)	1:56:A:ILE:HD13	1:33:A:THR:HB	12	0.29
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD11	2	0.29
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD12	2	0.29
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD13	2	0.29
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD21	1	0.29
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD22	1	0.29
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD23	1	0.29
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD21	12	0.29
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD22	12	0.29
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD23	12	0.29
(2,1367)	1:97:A:ARG:HB2	1:98:A:LEU:H	11	0.29
(2,1367)	1:97:A:ARG:HB2	1:98:A:LEU:H	14	0.29
(2,1363)	1:93:A:HIS:HB3	1:93:A:HIS:H	5	0.29
(2,1363)	1:93:A:HIS:HB3	1:93:A:HIS:H	7	0.29
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD11	7	0.29
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD12	7	0.29
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD13	7	0.29
(2,1318)	1:68:A:LEU:HB3	1:68:A:LEU:HA	12	0.29
(2,1301)	1:66:A:ASN:HB2	1:65:A:ARG:H	2	0.29
(2,1299)	1:66:A:ASN:HB2	1:67:A:THR:H	9	0.29
(2,1293)	1:66:A:ASN:HA	1:65:A:ARG:H	2	0.29
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD21	14	0.29
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD22	14	0.29
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD23	14	0.29
(2,1228)	1:63:A:GLU:HG2	1:63:A:GLU:H	13	0.29
(2,1194)	1:63:A:GLU:HB2	1:64:A:LEU:H	11	0.29
(2,1157)	1:56:A:ILE:HD11	1:60:A:THR:HB	9	0.29
(2,1157)	1:56:A:ILE:HD12	1:60:A:THR:HB	9	0.29
(2,1157)	1:56:A:ILE:HD13	1:60:A:THR:HB	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1047)	1:52:A:LYS:HB2	1:53:A:ASP:H	6	0.29
(2,1047)	1:52:A:LYS:HB2	1:53:A:ASP:H	10	0.29
(2,1044)	1:52:A:LYS:HB2	1:52:A:LYS:HE2	8	0.29
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD21	15	0.29
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD22	15	0.29
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD23	15	0.29
(2,997)	1:49:A:THR:HG21	1:54:A:LEU:HG	1	0.29
(2,997)	1:49:A:THR:HG22	1:54:A:LEU:HG	1	0.29
(2,997)	1:49:A:THR:HG23	1:54:A:LEU:HG	1	0.29
(2,980)	1:49:A:THR:HB	1:54:A:LEU:HG	11	0.29
(2,976)	1:49:A:THR:HB	1:50:A:ALA:H	3	0.29
(2,976)	1:49:A:THR:HB	1:50:A:ALA:H	16	0.29
(2,950)	1:48:A:ALA:HB1	1:47:A:PRO:HA	15	0.29
(2,950)	1:48:A:ALA:HB2	1:47:A:PRO:HA	15	0.29
(2,950)	1:48:A:ALA:HB3	1:47:A:PRO:HA	15	0.29
(2,943)	1:46:A:SER:HA	1:47:A:PRO:HG2	8	0.29
(2,943)	1:46:A:SER:HA	1:47:A:PRO:HG2	11	0.29
(2,943)	1:46:A:SER:HA	1:47:A:PRO:HG2	12	0.29
(2,904)	1:42:A:PRO:HG3	1:42:A:PRO:HD3	7	0.29
(2,876)	1:42:A:PRO:HB2	1:43:A:GLU:H	3	0.29
(2,876)	1:42:A:PRO:HB2	1:43:A:GLU:H	7	0.29
(2,857)	1:37:A:LEU:HD21	1:54:A:LEU:H	1	0.29
(2,857)	1:37:A:LEU:HD22	1:54:A:LEU:H	1	0.29
(2,857)	1:37:A:LEU:HD23	1:54:A:LEU:H	1	0.29
(2,857)	1:37:A:LEU:HD21	1:54:A:LEU:H	9	0.29
(2,857)	1:37:A:LEU:HD22	1:54:A:LEU:H	9	0.29
(2,857)	1:37:A:LEU:HD23	1:54:A:LEU:H	9	0.29
(2,849)	1:74:A:LEU:HD21	1:74:A:LEU:H	1	0.29
(2,849)	1:74:A:LEU:HD22	1:74:A:LEU:H	1	0.29
(2,849)	1:74:A:LEU:HD23	1:74:A:LEU:H	1	0.29
(2,849)	1:74:A:LEU:HD21	1:74:A:LEU:H	16	0.29
(2,849)	1:74:A:LEU:HD22	1:74:A:LEU:H	16	0.29
(2,849)	1:74:A:LEU:HD23	1:74:A:LEU:H	16	0.29
(2,832)	1:37:A:LEU:HB2	1:37:A:LEU:H	9	0.29
(2,823)	1:36:A:VAL:HG11	1:33:A:THR:HA	1	0.29
(2,823)	1:36:A:VAL:HG12	1:33:A:THR:HA	1	0.29
(2,823)	1:36:A:VAL:HG13	1:33:A:THR:HA	1	0.29
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG21	11	0.29
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG22	11	0.29
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG23	11	0.29
(2,785)	1:27:A:THR:HB	1:23:A:GLN:HB2	1	0.29
(2,785)	1:27:A:THR:HB	1:23:A:GLN:HB2	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB1	5	0.29
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB2	5	0.29
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB3	5	0.29
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB1	6	0.29
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB2	6	0.29
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB3	6	0.29
(2,745)	1:33:A:THR:HA	1:30:A:ALA:HA	3	0.29
(2,716)	1:30:A:ALA:HB1	1:34:A:ALA:HA	4	0.29
(2,716)	1:30:A:ALA:HB2	1:34:A:ALA:HA	4	0.29
(2,716)	1:30:A:ALA:HB3	1:34:A:ALA:HA	4	0.29
(2,716)	1:30:A:ALA:HB1	1:34:A:ALA:HA	11	0.29
(2,716)	1:30:A:ALA:HB2	1:34:A:ALA:HA	11	0.29
(2,716)	1:30:A:ALA:HB3	1:34:A:ALA:HA	11	0.29
(2,679)	1:29:A:VAL:HG11	1:33:A:THR:HG1	1	0.29
(2,679)	1:29:A:VAL:HG12	1:33:A:THR:HG1	1	0.29
(2,679)	1:29:A:VAL:HG13	1:33:A:THR:HG1	1	0.29
(2,641)	1:54:A:LEU:HG	1:54:A:LEU:HA	3	0.29
(2,641)	1:54:A:LEU:HG	1:54:A:LEU:HA	6	0.29
(2,641)	1:54:A:LEU:HG	1:54:A:LEU:HA	8	0.29
(2,641)	1:54:A:LEU:HG	1:54:A:LEU:HA	12	0.29
(2,641)	1:54:A:LEU:HG	1:54:A:LEU:HA	14	0.29
(2,624)	1:28:A:LEU:HB3	1:28:A:LEU:H	7	0.29
(2,624)	1:28:A:LEU:HB3	1:28:A:LEU:H	8	0.29
(2,624)	1:28:A:LEU:HB3	1:28:A:LEU:H	11	0.29
(2,624)	1:28:A:LEU:HB3	1:28:A:LEU:H	13	0.29
(2,624)	1:28:A:LEU:HB3	1:28:A:LEU:H	15	0.29
(2,564)	1:28:A:LEU:HD11	1:71:A:ASN:HB3	3	0.29
(2,564)	1:28:A:LEU:HD12	1:71:A:ASN:HB3	3	0.29
(2,564)	1:28:A:LEU:HD13	1:71:A:ASN:HB3	3	0.29
(2,564)	1:28:A:LEU:HD11	1:71:A:ASN:HB3	7	0.29
(2,564)	1:28:A:LEU:HD12	1:71:A:ASN:HB3	7	0.29
(2,564)	1:28:A:LEU:HD13	1:71:A:ASN:HB3	7	0.29
(2,564)	1:28:A:LEU:HD11	1:71:A:ASN:HB3	10	0.29
(2,564)	1:28:A:LEU:HD12	1:71:A:ASN:HB3	10	0.29
(2,564)	1:28:A:LEU:HD13	1:71:A:ASN:HB3	10	0.29
(2,563)	1:28:A:LEU:HD11	1:29:A:VAL:HA	11	0.29
(2,563)	1:28:A:LEU:HD12	1:29:A:VAL:HA	11	0.29
(2,563)	1:28:A:LEU:HD13	1:29:A:VAL:HA	11	0.29
(2,563)	1:28:A:LEU:HD11	1:29:A:VAL:HA	12	0.29
(2,563)	1:28:A:LEU:HD12	1:29:A:VAL:HA	12	0.29
(2,563)	1:28:A:LEU:HD13	1:29:A:VAL:HA	12	0.29
(2,563)	1:28:A:LEU:HD11	1:29:A:VAL:HA	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,563)	1:28:A:LEU:HD12	1:29:A:VAL:HA	15	0.29
(2,563)	1:28:A:LEU:HD13	1:29:A:VAL:HA	15	0.29
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD11	12	0.29
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD12	12	0.29
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD13	12	0.29
(2,533)	1:24:A:THR:HB	1:25:A:LEU:HB2	5	0.29
(2,511)	1:23:A:GLN:HG3	1:20:A:GLN:HA	2	0.29
(2,508)	1:23:A:GLN:HB3	1:20:A:GLN:HA	3	0.29
(2,481)	1:22:A:GLN:HB3	1:19:A:GLN:HA	5	0.29
(2,478)	1:59:A:LEU:HG	1:60:A:THR:H	3	0.29
(2,477)	1:25:A:LEU:HG	1:25:A:LEU:H	12	0.29
(2,477)	1:25:A:LEU:HG	1:25:A:LEU:H	14	0.29
(2,471)	1:22:A:GLN:HA	1:25:A:LEU:HB3	6	0.29
(2,471)	1:22:A:GLN:HA	1:25:A:LEU:HB3	16	0.29
(2,458)	1:20:A:GLN:HB3	1:16:A:LEU:HB3	4	0.29
(2,458)	1:20:A:GLN:HB3	1:16:A:LEU:HB3	6	0.29
(2,447)	1:20:A:GLN:HB3	1:20:A:GLN:HA	12	0.29
(2,447)	1:20:A:GLN:HB3	1:20:A:GLN:HA	13	0.29
(2,433)	1:21:A:GLN:HG2	1:21:A:GLN:HA	9	0.29
(2,355)	1:16:A:LEU:HG	1:20:A:GLN:HG3	6	0.29
(2,353)	1:16:A:LEU:HG	1:16:A:LEU:HA	6	0.29
(2,353)	1:16:A:LEU:HG	1:16:A:LEU:HA	11	0.29
(2,262)	1:12:A:ARG:HB2	1:12:A:ARG:H	1	0.29
(2,262)	1:12:A:ARG:HB2	1:12:A:ARG:H	5	0.29
(2,235)	1:50:A:ALA:HB1	1:52:A:LYS:HE2	13	0.29
(2,235)	1:50:A:ALA:HB2	1:52:A:LYS:HE2	13	0.29
(2,235)	1:50:A:ALA:HB3	1:52:A:LYS:HE2	13	0.29
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB1	9	0.29
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB2	9	0.29
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB3	9	0.29
(2,116)	1:6:A:ALA:HB1	1:10:A:ALA:H	14	0.29
(2,116)	1:6:A:ALA:HB2	1:10:A:ALA:H	14	0.29
(2,116)	1:6:A:ALA:HB3	1:10:A:ALA:H	14	0.29
(2,71)	1:81:A:ILE:HD11	1:81:A:ILE:HA	10	0.29
(2,71)	1:81:A:ILE:HD12	1:81:A:ILE:HA	10	0.29
(2,71)	1:81:A:ILE:HD13	1:81:A:ILE:HA	10	0.29
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD1	2	0.29
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD2	2	0.29
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD1	2	0.29
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD2	2	0.29
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD1	2	0.29
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD2	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD1	6	0.29
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD2	6	0.29
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD1	6	0.29
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD2	6	0.29
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD1	6	0.29
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD2	6	0.29
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD1	7	0.29
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD2	7	0.29
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD1	7	0.29
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD2	7	0.29
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD1	7	0.29
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD2	7	0.29
(2,34)	1:90:A:LEU:HB3	1:51:A:PHE:HZ	3	0.29
(2,34)	1:90:A:LEU:HB3	1:51:A:PHE:HZ	13	0.29
(2,31)	1:39:A:HIS:HD2	1:37:A:LEU:HB3	1	0.29
(2,20)	1:102:A:HIS:HB2	1:102:A:HIS:HD2	2	0.29
(2,19)	1:102:A:HIS:HB3	1:102:A:HIS:HD2	10	0.29
(2,17)	1:95:A:HIS:HD2	1:95:A:HIS:HB2	4	0.29
(1,566)	1:98:A:LEU:H	1:98:A:LEU:HB3	6	0.29
(1,566)	1:98:A:LEU:H	1:98:A:LEU:HB3	7	0.29
(1,561)	1:22:A:GLN:H	1:21:A:GLN:HB2	10	0.29
(1,552)	1:12:A:ARG:H	1:12:A:ARG:HB3	4	0.29
(1,552)	1:12:A:ARG:H	1:12:A:ARG:HB3	5	0.29
(1,552)	1:12:A:ARG:H	1:12:A:ARG:HB3	7	0.29
(1,552)	1:12:A:ARG:H	1:12:A:ARG:HB3	13	0.29
(1,552)	1:12:A:ARG:H	1:12:A:ARG:HB3	14	0.29
(1,528)	1:54:A:LEU:H	1:54:A:LEU:HB3	1	0.29
(1,500)	1:100:A:GLN:H	1:100:A:GLN:HB3	4	0.29
(1,493)	1:25:A:LEU:H	1:26:A:ALA:H	10	0.29
(1,445)	1:3:A:ALA:H	1:3:A:ALA:HA	9	0.29
(1,445)	1:3:A:ALA:H	1:3:A:ALA:HA	12	0.29
(1,445)	1:3:A:ALA:H	1:3:A:ALA:HA	13	0.29
(1,390)	1:65:A:ARG:HE	1:65:A:ARG:HD3	16	0.29
(1,342)	1:66:A:ASN:H	1:66:A:ASN:HB2	5	0.29
(1,342)	1:66:A:ASN:H	1:66:A:ASN:HB2	8	0.29
(1,342)	1:66:A:ASN:H	1:66:A:ASN:HB2	12	0.29
(1,312)	1:46:A:SER:H	1:45:A:ILE:HG12	2	0.29
(1,312)	1:46:A:SER:H	1:45:A:ILE:HG12	8	0.29
(1,312)	1:46:A:SER:H	1:45:A:ILE:HG12	12	0.29
(1,312)	1:46:A:SER:H	1:45:A:ILE:HG12	14	0.29
(1,312)	1:46:A:SER:H	1:45:A:ILE:HG12	15	0.29
(1,304)	1:74:A:LEU:H	1:74:A:LEU:HB2	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,292)	1:37:A:LEU:H	1:36:A:VAL:HG11	8	0.29
(1,292)	1:37:A:LEU:H	1:36:A:VAL:HG12	8	0.29
(1,292)	1:37:A:LEU:H	1:36:A:VAL:HG13	8	0.29
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD21	14	0.29
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD22	14	0.29
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD23	14	0.29
(1,286)	1:14:A:ASN:H	1:13:A:LEU:HB2	1	0.29
(1,258)	1:72:A:THR:H	1:71:A:ASN:HB2	12	0.29
(1,258)	1:72:A:THR:H	1:71:A:ASN:HB2	13	0.29
(1,239)	1:45:A:ILE:H	1:45:A:ILE:HG13	12	0.29
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG21	4	0.29
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG22	4	0.29
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG23	4	0.29
(1,233)	1:102:A:HIS:H	1:102:A:HIS:HB2	1	0.29
(1,213)	1:38:A:GLY:H	1:38:A:GLY:HA2	2	0.29
(1,213)	1:38:A:GLY:H	1:38:A:GLY:HA2	4	0.29
(1,213)	1:38:A:GLY:H	1:38:A:GLY:HA2	5	0.29
(1,213)	1:38:A:GLY:H	1:38:A:GLY:HA2	8	0.29
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB1	8	0.29
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB2	8	0.29
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB3	8	0.29
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB1	9	0.29
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB2	9	0.29
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB3	9	0.29
(1,94)	1:71:A:ASN:HD22	1:68:A:LEU:HA	1	0.29
(1,94)	1:71:A:ASN:HD22	1:68:A:LEU:HA	9	0.29
(1,94)	1:71:A:ASN:HD22	1:68:A:LEU:HA	15	0.29
(1,82)	1:86:A:THR:H	1:84:A:HIS:HB2	6	0.29
(1,80)	1:86:A:THR:H	1:85:A:PRO:HD2	15	0.29
(1,73)	1:65:A:ARG:H	1:64:A:LEU:H	11	0.29
(1,56)	1:60:A:THR:H	1:59:A:LEU:HB2	1	0.29
(1,56)	1:60:A:THR:H	1:59:A:LEU:HB2	5	0.29
(1,56)	1:60:A:THR:H	1:59:A:LEU:HB2	6	0.29
(1,56)	1:60:A:THR:H	1:59:A:LEU:HB2	15	0.29
(1,44)	1:79:A:THR:H	1:78:A:PRO:HA	6	0.29
(1,44)	1:79:A:THR:H	1:78:A:PRO:HA	10	0.29
(1,17)	1:100:A:GLN:H	1:99:A:THR:H	1	0.29
(2,1915)	1:91:A:THR:HB	1:91:A:THR:H	4	0.28
(2,1915)	1:91:A:THR:HB	1:91:A:THR:H	11	0.28
(2,1898)	1:30:A:ALA:HB1	1:42:A:PRO:HB3	2	0.28
(2,1898)	1:30:A:ALA:HB2	1:42:A:PRO:HB3	2	0.28
(2,1898)	1:30:A:ALA:HB3	1:42:A:PRO:HB3	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1888)	1:13:A:LEU:HG	1:13:A:LEU:H	4	0.28
(2,1888)	1:13:A:LEU:HG	1:13:A:LEU:H	14	0.28
(2,1879)	1:90:A:LEU:HD11	1:90:A:LEU:H	7	0.28
(2,1879)	1:90:A:LEU:HD12	1:90:A:LEU:H	7	0.28
(2,1879)	1:90:A:LEU:HD13	1:90:A:LEU:H	7	0.28
(2,1848)	1:95:A:HIS:HD2	1:22:A:GLN:H	12	0.28
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG21	3	0.28
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG22	3	0.28
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG23	3	0.28
(2,1792)	1:99:A:THR:HG21	1:98:A:LEU:HB3	2	0.28
(2,1792)	1:99:A:THR:HG22	1:98:A:LEU:HB3	2	0.28
(2,1792)	1:99:A:THR:HG23	1:98:A:LEU:HB3	2	0.28
(2,1771)	1:97:A:ARG:HG3	1:98:A:LEU:H	1	0.28
(2,1771)	1:97:A:ARG:HG3	1:98:A:LEU:H	12	0.28
(2,1729)	1:93:A:HIS:HA	1:90:A:LEU:HA	2	0.28
(2,1722)	1:92:A:GLN:HG3	1:92:A:GLN:H	4	0.28
(2,1722)	1:92:A:GLN:HG3	1:92:A:GLN:H	6	0.28
(2,1722)	1:92:A:GLN:HG3	1:92:A:GLN:H	8	0.28
(2,1720)	1:92:A:GLN:HG3	1:89:A:ALA:HA	7	0.28
(2,1716)	1:92:A:GLN:HG2	1:91:A:THR:HB	9	0.28
(2,1688)	1:91:A:THR:HB	1:91:A:THR:HA	1	0.28
(2,1688)	1:91:A:THR:HB	1:91:A:THR:HA	5	0.28
(2,1688)	1:91:A:THR:HB	1:91:A:THR:HA	7	0.28
(2,1688)	1:91:A:THR:HB	1:91:A:THR:HA	8	0.28
(2,1688)	1:91:A:THR:HB	1:91:A:THR:HA	9	0.28
(2,1688)	1:91:A:THR:HB	1:91:A:THR:HA	16	0.28
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE1	14	0.28
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE2	14	0.28
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE1	14	0.28
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE2	14	0.28
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE1	14	0.28
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE2	14	0.28
(2,1650)	1:89:A:ALA:HB1	1:85:A:PRO:HD2	2	0.28
(2,1650)	1:89:A:ALA:HB2	1:85:A:PRO:HD2	2	0.28
(2,1650)	1:89:A:ALA:HB3	1:85:A:PRO:HD2	2	0.28
(2,1650)	1:89:A:ALA:HB1	1:85:A:PRO:HD2	8	0.28
(2,1650)	1:89:A:ALA:HB2	1:85:A:PRO:HD2	8	0.28
(2,1650)	1:89:A:ALA:HB3	1:85:A:PRO:HD2	8	0.28
(2,1650)	1:89:A:ALA:HB1	1:85:A:PRO:HD2	9	0.28
(2,1650)	1:89:A:ALA:HB2	1:85:A:PRO:HD2	9	0.28
(2,1650)	1:89:A:ALA:HB3	1:85:A:PRO:HD2	9	0.28
(2,1601)	1:86:A:THR:HB	1:87:A:PRO:HD2	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1595)	1:85:A:PRO:HG3	1:85:A:PRO:HB3	1	0.28
(2,1595)	1:85:A:PRO:HG3	1:85:A:PRO:HB3	2	0.28
(2,1595)	1:85:A:PRO:HG3	1:85:A:PRO:HB3	4	0.28
(2,1595)	1:85:A:PRO:HG3	1:85:A:PRO:HB3	5	0.28
(2,1595)	1:85:A:PRO:HG3	1:85:A:PRO:HB3	8	0.28
(2,1595)	1:85:A:PRO:HG3	1:85:A:PRO:HB3	9	0.28
(2,1595)	1:85:A:PRO:HG3	1:85:A:PRO:HB3	10	0.28
(2,1595)	1:85:A:PRO:HG3	1:85:A:PRO:HB3	11	0.28
(2,1595)	1:85:A:PRO:HG3	1:85:A:PRO:HB3	12	0.28
(2,1595)	1:85:A:PRO:HG3	1:85:A:PRO:HB3	14	0.28
(2,1595)	1:85:A:PRO:HG3	1:85:A:PRO:HB3	15	0.28
(2,1589)	1:85:A:PRO:HB3	1:85:A:PRO:HA	3	0.28
(2,1589)	1:85:A:PRO:HB3	1:85:A:PRO:HA	4	0.28
(2,1589)	1:85:A:PRO:HB3	1:85:A:PRO:HA	6	0.28
(2,1589)	1:85:A:PRO:HB3	1:85:A:PRO:HA	12	0.28
(2,1589)	1:85:A:PRO:HB3	1:85:A:PRO:HA	14	0.28
(2,1589)	1:85:A:PRO:HB3	1:85:A:PRO:HA	15	0.28
(2,1586)	1:85:A:PRO:HG2	1:85:A:PRO:HB2	2	0.28
(2,1586)	1:85:A:PRO:HG2	1:85:A:PRO:HB2	4	0.28
(2,1586)	1:85:A:PRO:HG2	1:85:A:PRO:HB2	5	0.28
(2,1586)	1:85:A:PRO:HG2	1:85:A:PRO:HB2	6	0.28
(2,1586)	1:85:A:PRO:HG2	1:85:A:PRO:HB2	7	0.28
(2,1586)	1:85:A:PRO:HG2	1:85:A:PRO:HB2	8	0.28
(2,1586)	1:85:A:PRO:HG2	1:85:A:PRO:HB2	9	0.28
(2,1586)	1:85:A:PRO:HG2	1:85:A:PRO:HB2	11	0.28
(2,1586)	1:85:A:PRO:HG2	1:85:A:PRO:HB2	12	0.28
(2,1586)	1:85:A:PRO:HG2	1:85:A:PRO:HB2	13	0.28
(2,1586)	1:85:A:PRO:HG2	1:85:A:PRO:HB2	14	0.28
(2,1586)	1:85:A:PRO:HG2	1:85:A:PRO:HB2	15	0.28
(2,1586)	1:85:A:PRO:HG2	1:85:A:PRO:HB2	16	0.28
(2,1567)	1:83:A:ASP:HB3	1:83:A:ASP:H	4	0.28
(2,1567)	1:83:A:ASP:HB3	1:83:A:ASP:H	9	0.28
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD1	11	0.28
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD2	11	0.28
(2,1540)	1:98:A:LEU:HB2	1:95:A:HIS:HA	2	0.28
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD21	2	0.28
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD22	2	0.28
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD23	2	0.28
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD21	12	0.28
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD22	12	0.28
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD23	12	0.28
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD21	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD22	14	0.28
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD23	14	0.28
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD21	15	0.28
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD22	15	0.28
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD23	15	0.28
(2,1412)	1:56:A:ILE:HD11	1:33:A:THR:HB	4	0.28
(2,1412)	1:56:A:ILE:HD12	1:33:A:THR:HB	4	0.28
(2,1412)	1:56:A:ILE:HD13	1:33:A:THR:HB	4	0.28
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD11	12	0.28
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD12	12	0.28
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD13	12	0.28
(2,1318)	1:68:A:LEU:HB3	1:68:A:LEU:HA	3	0.28
(2,1318)	1:68:A:LEU:HB3	1:68:A:LEU:HA	7	0.28
(2,1301)	1:66:A:ASN:HB2	1:65:A:ARG:H	14	0.28
(2,1293)	1:66:A:ASN:HA	1:65:A:ARG:H	14	0.28
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	14	0.28
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD12	14	0.28
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD13	14	0.28
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD21	2	0.28
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD22	2	0.28
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD23	2	0.28
(2,1256)	1:64:A:LEU:HD21	1:64:A:LEU:HB2	1	0.28
(2,1256)	1:64:A:LEU:HD22	1:64:A:LEU:HB2	1	0.28
(2,1256)	1:64:A:LEU:HD23	1:64:A:LEU:HB2	1	0.28
(2,1256)	1:64:A:LEU:HD21	1:64:A:LEU:HB2	2	0.28
(2,1256)	1:64:A:LEU:HD22	1:64:A:LEU:HB2	2	0.28
(2,1256)	1:64:A:LEU:HD23	1:64:A:LEU:HB2	2	0.28
(2,1256)	1:64:A:LEU:HD21	1:64:A:LEU:HB2	3	0.28
(2,1256)	1:64:A:LEU:HD22	1:64:A:LEU:HB2	3	0.28
(2,1256)	1:64:A:LEU:HD23	1:64:A:LEU:HB2	3	0.28
(2,1256)	1:64:A:LEU:HD21	1:64:A:LEU:HB2	4	0.28
(2,1256)	1:64:A:LEU:HD22	1:64:A:LEU:HB2	4	0.28
(2,1256)	1:64:A:LEU:HD23	1:64:A:LEU:HB2	4	0.28
(2,1256)	1:64:A:LEU:HD21	1:64:A:LEU:HB2	5	0.28
(2,1256)	1:64:A:LEU:HD22	1:64:A:LEU:HB2	5	0.28
(2,1256)	1:64:A:LEU:HD23	1:64:A:LEU:HB2	5	0.28
(2,1256)	1:64:A:LEU:HD21	1:64:A:LEU:HB2	6	0.28
(2,1256)	1:64:A:LEU:HD22	1:64:A:LEU:HB2	6	0.28
(2,1256)	1:64:A:LEU:HD23	1:64:A:LEU:HB2	6	0.28
(2,1256)	1:64:A:LEU:HD21	1:64:A:LEU:HB2	7	0.28
(2,1256)	1:64:A:LEU:HD22	1:64:A:LEU:HB2	7	0.28
(2,1256)	1:64:A:LEU:HD23	1:64:A:LEU:HB2	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1256)	1:64:A:LEU:HD21	1:64:A:LEU:HB2	8	0.28
(2,1256)	1:64:A:LEU:HD22	1:64:A:LEU:HB2	8	0.28
(2,1256)	1:64:A:LEU:HD23	1:64:A:LEU:HB2	8	0.28
(2,1256)	1:64:A:LEU:HD21	1:64:A:LEU:HB2	9	0.28
(2,1256)	1:64:A:LEU:HD22	1:64:A:LEU:HB2	9	0.28
(2,1256)	1:64:A:LEU:HD23	1:64:A:LEU:HB2	9	0.28
(2,1256)	1:64:A:LEU:HD21	1:64:A:LEU:HB2	10	0.28
(2,1256)	1:64:A:LEU:HD22	1:64:A:LEU:HB2	10	0.28
(2,1256)	1:64:A:LEU:HD23	1:64:A:LEU:HB2	10	0.28
(2,1256)	1:64:A:LEU:HD21	1:64:A:LEU:HB2	11	0.28
(2,1256)	1:64:A:LEU:HD22	1:64:A:LEU:HB2	11	0.28
(2,1256)	1:64:A:LEU:HD23	1:64:A:LEU:HB2	11	0.28
(2,1256)	1:64:A:LEU:HD21	1:64:A:LEU:HB2	12	0.28
(2,1256)	1:64:A:LEU:HD22	1:64:A:LEU:HB2	12	0.28
(2,1256)	1:64:A:LEU:HD23	1:64:A:LEU:HB2	12	0.28
(2,1256)	1:64:A:LEU:HD21	1:64:A:LEU:HB2	13	0.28
(2,1256)	1:64:A:LEU:HD22	1:64:A:LEU:HB2	13	0.28
(2,1256)	1:64:A:LEU:HD23	1:64:A:LEU:HB2	13	0.28
(2,1256)	1:64:A:LEU:HD21	1:64:A:LEU:HB2	14	0.28
(2,1256)	1:64:A:LEU:HD22	1:64:A:LEU:HB2	14	0.28
(2,1256)	1:64:A:LEU:HD23	1:64:A:LEU:HB2	14	0.28
(2,1256)	1:64:A:LEU:HD21	1:64:A:LEU:HB2	15	0.28
(2,1256)	1:64:A:LEU:HD22	1:64:A:LEU:HB2	15	0.28
(2,1256)	1:64:A:LEU:HD23	1:64:A:LEU:HB2	15	0.28
(2,1256)	1:64:A:LEU:HD21	1:64:A:LEU:HB2	16	0.28
(2,1256)	1:64:A:LEU:HD22	1:64:A:LEU:HB2	16	0.28
(2,1256)	1:64:A:LEU:HD23	1:64:A:LEU:HB2	16	0.28
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD21	5	0.28
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD22	5	0.28
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD23	5	0.28
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD21	6	0.28
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD22	6	0.28
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD23	6	0.28
(2,1228)	1:63:A:GLU:HG2	1:63:A:GLU:H	1	0.28
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG11	4	0.28
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG12	4	0.28
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG13	4	0.28
(2,1204)	1:62:A:LEU:HG	1:59:A:LEU:HA	11	0.28
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB1	16	0.28
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB2	16	0.28
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB3	16	0.28
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB1	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB2	16	0.28
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB3	16	0.28
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB1	16	0.28
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB2	16	0.28
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB3	16	0.28
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD11	6	0.28
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD12	6	0.28
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD13	6	0.28
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD11	6	0.28
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD12	6	0.28
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD13	6	0.28
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD11	6	0.28
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD12	6	0.28
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD13	6	0.28
(2,1053)	1:52:A:LYS:HG2	1:52:A:LYS:HA	13	0.28
(2,1047)	1:52:A:LYS:HB2	1:53:A:ASP:H	2	0.28
(2,1047)	1:52:A:LYS:HB2	1:53:A:ASP:H	4	0.28
(2,1047)	1:52:A:LYS:HB2	1:53:A:ASP:H	14	0.28
(2,1044)	1:52:A:LYS:HB2	1:52:A:LYS:HE2	5	0.28
(2,1030)	1:51:A:PHE:HB2	1:81:A:ILE:HG13	6	0.28
(2,1030)	1:51:A:PHE:HB2	1:81:A:ILE:HG13	10	0.28
(2,1030)	1:51:A:PHE:HB2	1:81:A:ILE:HG13	12	0.28
(2,1023)	1:51:A:PHE:HA	1:51:A:PHE:HB3	2	0.28
(2,1023)	1:51:A:PHE:HA	1:51:A:PHE:HB3	4	0.28
(2,1023)	1:51:A:PHE:HA	1:51:A:PHE:HB3	5	0.28
(2,1023)	1:51:A:PHE:HA	1:51:A:PHE:HB3	6	0.28
(2,1023)	1:51:A:PHE:HA	1:51:A:PHE:HB3	7	0.28
(2,1023)	1:51:A:PHE:HA	1:51:A:PHE:HB3	8	0.28
(2,1023)	1:51:A:PHE:HA	1:51:A:PHE:HB3	9	0.28
(2,1023)	1:51:A:PHE:HA	1:51:A:PHE:HB3	12	0.28
(2,1023)	1:51:A:PHE:HA	1:51:A:PHE:HB3	14	0.28
(2,976)	1:49:A:THR:HB	1:50:A:ALA:H	13	0.28
(2,904)	1:42:A:PRO:HG3	1:42:A:PRO:HD3	2	0.28
(2,904)	1:42:A:PRO:HG3	1:42:A:PRO:HD3	3	0.28
(2,904)	1:42:A:PRO:HG3	1:42:A:PRO:HD3	8	0.28
(2,904)	1:42:A:PRO:HG3	1:42:A:PRO:HD3	9	0.28
(2,904)	1:42:A:PRO:HG3	1:42:A:PRO:HD3	15	0.28
(2,896)	1:41:A:THR:HG21	1:42:A:PRO:HD2	13	0.28
(2,896)	1:41:A:THR:HG22	1:42:A:PRO:HD2	13	0.28
(2,896)	1:41:A:THR:HG23	1:42:A:PRO:HD2	13	0.28
(2,889)	1:42:A:PRO:HD2	1:41:A:THR:HA	3	0.28
(2,876)	1:42:A:PRO:HB2	1:43:A:GLU:H	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,849)	1:74:A:LEU:HD21	1:74:A:LEU:H	4	0.28
(2,849)	1:74:A:LEU:HD22	1:74:A:LEU:H	4	0.28
(2,849)	1:74:A:LEU:HD23	1:74:A:LEU:H	4	0.28
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG21	12	0.28
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG22	12	0.28
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG23	12	0.28
(2,832)	1:37:A:LEU:HB2	1:37:A:LEU:H	2	0.28
(2,832)	1:37:A:LEU:HB2	1:37:A:LEU:H	6	0.28
(2,827)	1:36:A:VAL:HG11	1:64:A:LEU:H	13	0.28
(2,827)	1:36:A:VAL:HG12	1:64:A:LEU:H	13	0.28
(2,827)	1:36:A:VAL:HG13	1:64:A:LEU:H	13	0.28
(2,823)	1:36:A:VAL:HG11	1:33:A:THR:HA	9	0.28
(2,823)	1:36:A:VAL:HG12	1:33:A:THR:HA	9	0.28
(2,823)	1:36:A:VAL:HG13	1:33:A:THR:HA	9	0.28
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG21	14	0.28
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG22	14	0.28
(2,816)	1:36:A:VAL:HB	1:60:A:THR:HG23	14	0.28
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB1	1	0.28
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB2	1	0.28
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB3	1	0.28
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB1	15	0.28
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB2	15	0.28
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB3	15	0.28
(2,716)	1:30:A:ALA:HB1	1:34:A:ALA:HA	13	0.28
(2,716)	1:30:A:ALA:HB2	1:34:A:ALA:HA	13	0.28
(2,716)	1:30:A:ALA:HB3	1:34:A:ALA:HA	13	0.28
(2,641)	1:54:A:LEU:HG	1:54:A:LEU:HA	2	0.28
(2,624)	1:28:A:LEU:HB3	1:28:A:LEU:H	1	0.28
(2,624)	1:28:A:LEU:HB3	1:28:A:LEU:H	2	0.28
(2,624)	1:28:A:LEU:HB3	1:28:A:LEU:H	3	0.28
(2,624)	1:28:A:LEU:HB3	1:28:A:LEU:H	4	0.28
(2,624)	1:28:A:LEU:HB3	1:28:A:LEU:H	9	0.28
(2,624)	1:28:A:LEU:HB3	1:28:A:LEU:H	10	0.28
(2,580)	1:26:A:ALA:HB1	1:28:A:LEU:H	9	0.28
(2,580)	1:26:A:ALA:HB2	1:28:A:LEU:H	9	0.28
(2,580)	1:26:A:ALA:HB3	1:28:A:LEU:H	9	0.28
(2,571)	1:32:A:ALA:HA	1:34:A:ALA:H	3	0.28
(2,564)	1:28:A:LEU:HD11	1:71:A:ASN:HB3	6	0.28
(2,564)	1:28:A:LEU:HD12	1:71:A:ASN:HB3	6	0.28
(2,564)	1:28:A:LEU:HD13	1:71:A:ASN:HB3	6	0.28
(2,564)	1:28:A:LEU:HD11	1:71:A:ASN:HB3	15	0.28
(2,564)	1:28:A:LEU:HD12	1:71:A:ASN:HB3	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,564)	1:28:A:LEU:HD13	1:71:A:ASN:HB3	15	0.28
(2,563)	1:28:A:LEU:HD11	1:29:A:VAL:HA	1	0.28
(2,563)	1:28:A:LEU:HD12	1:29:A:VAL:HA	1	0.28
(2,563)	1:28:A:LEU:HD13	1:29:A:VAL:HA	1	0.28
(2,563)	1:28:A:LEU:HD11	1:29:A:VAL:HA	4	0.28
(2,563)	1:28:A:LEU:HD12	1:29:A:VAL:HA	4	0.28
(2,563)	1:28:A:LEU:HD13	1:29:A:VAL:HA	4	0.28
(2,563)	1:28:A:LEU:HD11	1:29:A:VAL:HA	6	0.28
(2,563)	1:28:A:LEU:HD12	1:29:A:VAL:HA	6	0.28
(2,563)	1:28:A:LEU:HD13	1:29:A:VAL:HA	6	0.28
(2,563)	1:28:A:LEU:HD11	1:29:A:VAL:HA	7	0.28
(2,563)	1:28:A:LEU:HD12	1:29:A:VAL:HA	7	0.28
(2,563)	1:28:A:LEU:HD13	1:29:A:VAL:HA	7	0.28
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD11	10	0.28
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD12	10	0.28
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD13	10	0.28
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD11	11	0.28
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD12	11	0.28
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD13	11	0.28
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD11	13	0.28
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD12	13	0.28
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD13	13	0.28
(2,511)	1:23:A:GLN:HG3	1:20:A:GLN:HA	9	0.28
(2,506)	1:23:A:GLN:HB2	1:24:A:THR:H	15	0.28
(2,492)	1:22:A:GLN:HG2	1:19:A:GLN:HA	12	0.28
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD11	3	0.28
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD12	3	0.28
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD13	3	0.28
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD11	10	0.28
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD12	10	0.28
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD13	10	0.28
(2,471)	1:22:A:GLN:HA	1:25:A:LEU:HB3	13	0.28
(2,447)	1:20:A:GLN:HB3	1:20:A:GLN:HA	9	0.28
(2,447)	1:20:A:GLN:HB3	1:20:A:GLN:HA	10	0.28
(2,403)	1:19:A:GLN:HG2	1:20:A:GLN:H	8	0.28
(2,403)	1:19:A:GLN:HG2	1:20:A:GLN:H	12	0.28
(2,388)	1:45:A:ILE:HA	1:46:A:SER:H	15	0.28
(2,342)	1:14:A:ASN:HB2	1:15:A:GLY:H	12	0.28
(2,269)	1:12:A:ARG:HG2	1:13:A:LEU:H	5	0.28
(2,262)	1:12:A:ARG:HB2	1:12:A:ARG:H	10	0.28
(2,204)	1:9:A:LEU:HB3	1:10:A:ALA:H	9	0.28
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB1	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB2	1	0.28
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB3	1	0.28
(2,114)	1:6:A:ALA:HB1	1:7:A:THR:H	3	0.28
(2,114)	1:6:A:ALA:HB2	1:7:A:THR:H	3	0.28
(2,114)	1:6:A:ALA:HB3	1:7:A:THR:H	3	0.28
(2,71)	1:81:A:ILE:HD11	1:81:A:ILE:HA	1	0.28
(2,71)	1:81:A:ILE:HD12	1:81:A:ILE:HA	1	0.28
(2,71)	1:81:A:ILE:HD13	1:81:A:ILE:HA	1	0.28
(2,71)	1:81:A:ILE:HD11	1:81:A:ILE:HA	12	0.28
(2,71)	1:81:A:ILE:HD12	1:81:A:ILE:HA	12	0.28
(2,71)	1:81:A:ILE:HD13	1:81:A:ILE:HA	12	0.28
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD1	3	0.28
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD2	3	0.28
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD1	3	0.28
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD2	3	0.28
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD1	3	0.28
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD2	3	0.28
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD1	11	0.28
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD2	11	0.28
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD1	11	0.28
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD2	11	0.28
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD1	11	0.28
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD2	11	0.28
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD1	13	0.28
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD2	13	0.28
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD1	13	0.28
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD2	13	0.28
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD1	13	0.28
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD2	13	0.28
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD1	15	0.28
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD2	15	0.28
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD1	15	0.28
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD2	15	0.28
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD1	15	0.28
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD2	15	0.28
(2,34)	1:90:A:LEU:HB3	1:51:A:PHE:HZ	7	0.28
(2,34)	1:90:A:LEU:HB3	1:51:A:PHE:HZ	11	0.28
(2,20)	1:102:A:HIS:HB2	1:102:A:HIS:HD2	12	0.28
(2,18)	1:21:A:GLN:HB3	1:95:A:HIS:HD2	6	0.28
(2,18)	1:21:A:GLN:HB3	1:95:A:HIS:HD2	12	0.28
(2,17)	1:95:A:HIS:HD2	1:95:A:HIS:HB2	6	0.28
(2,17)	1:95:A:HIS:HD2	1:95:A:HIS:HB2	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,590)	1:96:A:THR:H	1:97:A:ARG:H	8	0.28
(1,566)	1:98:A:LEU:H	1:98:A:LEU:HB3	1	0.28
(1,566)	1:98:A:LEU:H	1:98:A:LEU:HB3	16	0.28
(1,561)	1:22:A:GLN:H	1:21:A:GLN:HB2	9	0.28
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD21	16	0.28
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD22	16	0.28
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD23	16	0.28
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB1	9	0.28
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB2	9	0.28
(1,505)	1:28:A:LEU:H	1:26:A:ALA:HB3	9	0.28
(1,493)	1:25:A:LEU:H	1:26:A:ALA:H	1	0.28
(1,493)	1:25:A:LEU:H	1:26:A:ALA:H	3	0.28
(1,493)	1:25:A:LEU:H	1:26:A:ALA:H	13	0.28
(1,493)	1:25:A:LEU:H	1:26:A:ALA:H	15	0.28
(1,445)	1:3:A:ALA:H	1:3:A:ALA:HA	3	0.28
(1,445)	1:3:A:ALA:H	1:3:A:ALA:HA	11	0.28
(1,390)	1:65:A:ARG:HE	1:65:A:ARG:HD3	4	0.28
(1,376)	1:58:A:SER:H	1:58:A:SER:HB3	4	0.28
(1,342)	1:66:A:ASN:H	1:66:A:ASN:HB2	14	0.28
(1,342)	1:66:A:ASN:H	1:66:A:ASN:HB2	15	0.28
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD21	4	0.28
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD22	4	0.28
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD23	4	0.28
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD21	5	0.28
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD22	5	0.28
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD23	5	0.28
(1,312)	1:46:A:SER:H	1:45:A:ILE:HG12	3	0.28
(1,312)	1:46:A:SER:H	1:45:A:ILE:HG12	5	0.28
(1,309)	1:56:A:ILE:H	1:51:A:PHE:HB2	6	0.28
(1,304)	1:74:A:LEU:H	1:74:A:LEU:HB2	11	0.28
(1,249)	1:99:A:THR:H	1:98:A:LEU:HB2	16	0.28
(1,239)	1:45:A:ILE:H	1:45:A:ILE:HG13	14	0.28
(1,239)	1:45:A:ILE:H	1:45:A:ILE:HG13	16	0.28
(1,145)	1:50:A:ALA:H	1:50:A:ALA:HA	2	0.28
(1,145)	1:50:A:ALA:H	1:50:A:ALA:HA	4	0.28
(1,145)	1:50:A:ALA:H	1:50:A:ALA:HA	6	0.28
(1,145)	1:50:A:ALA:H	1:50:A:ALA:HA	7	0.28
(1,145)	1:50:A:ALA:H	1:50:A:ALA:HA	8	0.28
(1,145)	1:50:A:ALA:H	1:50:A:ALA:HA	11	0.28
(1,145)	1:50:A:ALA:H	1:50:A:ALA:HA	12	0.28
(1,145)	1:50:A:ALA:H	1:50:A:ALA:HA	13	0.28
(1,145)	1:50:A:ALA:H	1:50:A:ALA:HA	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,145)	1:50:A:ALA:H	1:50:A:ALA:HA	15	0.28
(1,94)	1:71:A:ASN:HD22	1:68:A:LEU:HA	5	0.28
(1,94)	1:71:A:ASN:HD22	1:68:A:LEU:HA	14	0.28
(1,94)	1:71:A:ASN:HD22	1:68:A:LEU:HA	16	0.28
(1,80)	1:86:A:THR:H	1:85:A:PRO:HD2	12	0.28
(1,80)	1:86:A:THR:H	1:85:A:PRO:HD2	13	0.28
(1,25)	1:83:A:ASP:H	1:84:A:HIS:H	1	0.28
(1,25)	1:83:A:ASP:H	1:84:A:HIS:H	16	0.28
(1,23)	1:44:A:SER:H	1:45:A:ILE:H	9	0.28
(1,7)	1:61:A:ALA:H	1:57:A:ASP:H	16	0.28
(2,1915)	1:91:A:THR:HB	1:91:A:THR:H	3	0.27
(2,1915)	1:91:A:THR:HB	1:91:A:THR:H	6	0.27
(2,1915)	1:91:A:THR:HB	1:91:A:THR:H	7	0.27
(2,1915)	1:91:A:THR:HB	1:91:A:THR:H	12	0.27
(2,1898)	1:30:A:ALA:HB1	1:42:A:PRO:HB3	15	0.27
(2,1898)	1:30:A:ALA:HB2	1:42:A:PRO:HB3	15	0.27
(2,1898)	1:30:A:ALA:HB3	1:42:A:PRO:HB3	15	0.27
(2,1885)	1:13:A:LEU:HG	1:13:A:LEU:HA	14	0.27
(2,1798)	1:99:A:THR:HG21	1:99:A:THR:H	2	0.27
(2,1798)	1:99:A:THR:HG22	1:99:A:THR:H	2	0.27
(2,1798)	1:99:A:THR:HG23	1:99:A:THR:H	2	0.27
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD21	7	0.27
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD22	7	0.27
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD23	7	0.27
(2,1789)	1:99:A:THR:HA	1:98:A:LEU:H	3	0.27
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG21	14	0.27
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG22	14	0.27
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG23	14	0.27
(2,1729)	1:93:A:HIS:HA	1:90:A:LEU:HA	9	0.27
(2,1720)	1:92:A:GLN:HG3	1:89:A:ALA:HA	8	0.27
(2,1714)	1:92:A:GLN:HG2	1:92:A:GLN:HA	7	0.27
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD11	13	0.27
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD12	13	0.27
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD13	13	0.27
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD11	13	0.27
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD12	13	0.27
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD13	13	0.27
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD11	13	0.27
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD12	13	0.27
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD13	13	0.27
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD11	16	0.27
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD12	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD13	16	0.27
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD11	16	0.27
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD12	16	0.27
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD13	16	0.27
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD11	16	0.27
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD12	16	0.27
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD13	16	0.27
(2,1630)	1:87:A:PRO:HD3	1:51:A:PHE:H	3	0.27
(2,1601)	1:86:A:THR:HB	1:87:A:PRO:HD2	2	0.27
(2,1601)	1:86:A:THR:HB	1:87:A:PRO:HD2	13	0.27
(2,1595)	1:85:A:PRO:HG3	1:85:A:PRO:HB3	3	0.27
(2,1595)	1:85:A:PRO:HG3	1:85:A:PRO:HB3	6	0.27
(2,1595)	1:85:A:PRO:HG3	1:85:A:PRO:HB3	7	0.27
(2,1595)	1:85:A:PRO:HG3	1:85:A:PRO:HB3	13	0.27
(2,1595)	1:85:A:PRO:HG3	1:85:A:PRO:HB3	16	0.27
(2,1586)	1:85:A:PRO:HG2	1:85:A:PRO:HB2	3	0.27
(2,1569)	1:83:A:ASP:HB3	1:84:A:HIS:H	10	0.27
(2,1542)	1:81:A:ILE:HA	1:84:A:HIS:H	8	0.27
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD21	3	0.27
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD22	3	0.27
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD23	3	0.27
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD21	4	0.27
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD22	4	0.27
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD23	4	0.27
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD21	10	0.27
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD22	10	0.27
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD23	10	0.27
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD21	13	0.27
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD22	13	0.27
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD23	13	0.27
(2,1445)	1:88:A:HIS:HB2	1:88:A:HIS:H	6	0.27
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG21	6	0.27
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG22	6	0.27
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG23	6	0.27
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG21	6	0.27
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG22	6	0.27
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG23	6	0.27
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG21	6	0.27
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG22	6	0.27
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG23	6	0.27
(2,1363)	1:93:A:HIS:HB3	1:93:A:HIS:H	1	0.27
(2,1363)	1:93:A:HIS:HB3	1:93:A:HIS:H	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1363)	1:93:A:HIS:HB3	1:93:A:HIS:H	10	0.27
(2,1318)	1:68:A:LEU:HB3	1:68:A:LEU:HA	11	0.27
(2,1299)	1:66:A:ASN:HB2	1:67:A:THR:H	1	0.27
(2,1293)	1:66:A:ASN:HA	1:65:A:ARG:H	1	0.27
(2,1293)	1:66:A:ASN:HA	1:65:A:ARG:H	4	0.27
(2,1293)	1:66:A:ASN:HA	1:65:A:ARG:H	5	0.27
(2,1293)	1:66:A:ASN:HA	1:65:A:ARG:H	6	0.27
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	4	0.27
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD12	4	0.27
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD13	4	0.27
(2,1281)	1:65:A:ARG:HB2	1:65:A:ARG:HA	11	0.27
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD21	1	0.27
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD22	1	0.27
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD23	1	0.27
(2,1228)	1:63:A:GLU:HG2	1:63:A:GLU:H	6	0.27
(2,1228)	1:63:A:GLU:HG2	1:63:A:GLU:H	14	0.27
(2,1228)	1:63:A:GLU:HG2	1:63:A:GLU:H	15	0.27
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG11	5	0.27
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG12	5	0.27
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG13	5	0.27
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG11	15	0.27
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG12	15	0.27
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG13	15	0.27
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG21	14	0.27
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG22	14	0.27
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG23	14	0.27
(2,1204)	1:62:A:LEU:HG	1:59:A:LEU:HA	7	0.27
(2,1171)	1:61:A:ALA:HB1	1:64:A:LEU:HB3	4	0.27
(2,1171)	1:61:A:ALA:HB2	1:64:A:LEU:HB3	4	0.27
(2,1171)	1:61:A:ALA:HB3	1:64:A:LEU:HB3	4	0.27
(2,1171)	1:61:A:ALA:HB1	1:64:A:LEU:HB3	6	0.27
(2,1171)	1:61:A:ALA:HB2	1:64:A:LEU:HB3	6	0.27
(2,1171)	1:61:A:ALA:HB3	1:64:A:LEU:HB3	6	0.27
(2,1133)	1:58:A:SER:HB3	1:59:A:LEU:HG	11	0.27
(2,1053)	1:52:A:LYS:HG2	1:52:A:LYS:HA	2	0.27
(2,1047)	1:52:A:LYS:HB2	1:53:A:ASP:H	1	0.27
(2,1047)	1:52:A:LYS:HB2	1:53:A:ASP:H	8	0.27
(2,1030)	1:51:A:PHE:HB2	1:81:A:ILE:HG13	5	0.27
(2,1030)	1:51:A:PHE:HB2	1:81:A:ILE:HG13	14	0.27
(2,1029)	1:51:A:PHE:HB3	1:52:A:LYS:HG2	7	0.27
(2,1023)	1:51:A:PHE:HA	1:51:A:PHE:HB3	1	0.27
(2,1023)	1:51:A:PHE:HA	1:51:A:PHE:HB3	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1023)	1:51:A:PHE:HA	1:51:A:PHE:HB3	10	0.27
(2,1023)	1:51:A:PHE:HA	1:51:A:PHE:HB3	13	0.27
(2,1023)	1:51:A:PHE:HA	1:51:A:PHE:HB3	15	0.27
(2,997)	1:49:A:THR:HG21	1:54:A:LEU:HG	5	0.27
(2,997)	1:49:A:THR:HG22	1:54:A:LEU:HG	5	0.27
(2,997)	1:49:A:THR:HG23	1:54:A:LEU:HG	5	0.27
(2,976)	1:49:A:THR:HB	1:50:A:ALA:H	4	0.27
(2,950)	1:48:A:ALA:HB1	1:47:A:PRO:HA	8	0.27
(2,950)	1:48:A:ALA:HB2	1:47:A:PRO:HA	8	0.27
(2,950)	1:48:A:ALA:HB3	1:47:A:PRO:HA	8	0.27
(2,904)	1:42:A:PRO:HG3	1:42:A:PRO:HD3	10	0.27
(2,904)	1:42:A:PRO:HG3	1:42:A:PRO:HD3	11	0.27
(2,904)	1:42:A:PRO:HG3	1:42:A:PRO:HD3	14	0.27
(2,897)	1:41:A:THR:HG21	1:44:A:SER:HB3	9	0.27
(2,897)	1:41:A:THR:HG22	1:44:A:SER:HB3	9	0.27
(2,897)	1:41:A:THR:HG23	1:44:A:SER:HB3	9	0.27
(2,896)	1:41:A:THR:HG21	1:42:A:PRO:HD2	16	0.27
(2,896)	1:41:A:THR:HG22	1:42:A:PRO:HD2	16	0.27
(2,896)	1:41:A:THR:HG23	1:42:A:PRO:HD2	16	0.27
(2,870)	1:42:A:PRO:HG2	1:42:A:PRO:HA	8	0.27
(2,849)	1:74:A:LEU:HD21	1:74:A:LEU:H	3	0.27
(2,849)	1:74:A:LEU:HD22	1:74:A:LEU:H	3	0.27
(2,849)	1:74:A:LEU:HD23	1:74:A:LEU:H	3	0.27
(2,849)	1:74:A:LEU:HD21	1:74:A:LEU:H	13	0.27
(2,849)	1:74:A:LEU:HD22	1:74:A:LEU:H	13	0.27
(2,849)	1:74:A:LEU:HD23	1:74:A:LEU:H	13	0.27
(2,845)	1:37:A:LEU:HD11	1:36:A:VAL:H	3	0.27
(2,845)	1:37:A:LEU:HD12	1:36:A:VAL:H	3	0.27
(2,845)	1:37:A:LEU:HD13	1:36:A:VAL:H	3	0.27
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG21	15	0.27
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG22	15	0.27
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG23	15	0.27
(2,832)	1:37:A:LEU:HB2	1:37:A:LEU:H	5	0.27
(2,831)	1:37:A:LEU:HA	1:37:A:LEU:HB3	10	0.27
(2,823)	1:36:A:VAL:HG11	1:33:A:THR:HA	3	0.27
(2,823)	1:36:A:VAL:HG12	1:33:A:THR:HA	3	0.27
(2,823)	1:36:A:VAL:HG13	1:33:A:THR:HA	3	0.27
(2,823)	1:36:A:VAL:HG11	1:33:A:THR:HA	15	0.27
(2,823)	1:36:A:VAL:HG12	1:33:A:THR:HA	15	0.27
(2,823)	1:36:A:VAL:HG13	1:33:A:THR:HA	15	0.27
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG21	6	0.27
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG22	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG23	6	0.27
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG21	14	0.27
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG22	14	0.27
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG23	14	0.27
(2,785)	1:27:A:THR:HB	1:23:A:GLN:HB2	15	0.27
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB1	2	0.27
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB2	2	0.27
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB3	2	0.27
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB1	8	0.27
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB2	8	0.27
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB3	8	0.27
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB1	10	0.27
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB2	10	0.27
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB3	10	0.27
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB1	14	0.27
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB2	14	0.27
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB3	14	0.27
(2,716)	1:30:A:ALA:HB1	1:34:A:ALA:HA	1	0.27
(2,716)	1:30:A:ALA:HB2	1:34:A:ALA:HA	1	0.27
(2,716)	1:30:A:ALA:HB3	1:34:A:ALA:HA	1	0.27
(2,716)	1:30:A:ALA:HB1	1:34:A:ALA:HA	14	0.27
(2,716)	1:30:A:ALA:HB2	1:34:A:ALA:HA	14	0.27
(2,716)	1:30:A:ALA:HB3	1:34:A:ALA:HA	14	0.27
(2,641)	1:54:A:LEU:HG	1:54:A:LEU:HA	13	0.27
(2,624)	1:28:A:LEU:HB3	1:28:A:LEU:H	5	0.27
(2,624)	1:28:A:LEU:HB3	1:28:A:LEU:H	6	0.27
(2,624)	1:28:A:LEU:HB3	1:28:A:LEU:H	12	0.27
(2,624)	1:28:A:LEU:HB3	1:28:A:LEU:H	14	0.27
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG21	16	0.27
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG22	16	0.27
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG23	16	0.27
(2,571)	1:32:A:ALA:HA	1:34:A:ALA:H	5	0.27
(2,571)	1:32:A:ALA:HA	1:34:A:ALA:H	9	0.27
(2,571)	1:32:A:ALA:HA	1:34:A:ALA:H	15	0.27
(2,563)	1:28:A:LEU:HD11	1:29:A:VAL:HA	3	0.27
(2,563)	1:28:A:LEU:HD12	1:29:A:VAL:HA	3	0.27
(2,563)	1:28:A:LEU:HD13	1:29:A:VAL:HA	3	0.27
(2,563)	1:28:A:LEU:HD11	1:29:A:VAL:HA	5	0.27
(2,563)	1:28:A:LEU:HD12	1:29:A:VAL:HA	5	0.27
(2,563)	1:28:A:LEU:HD13	1:29:A:VAL:HA	5	0.27
(2,563)	1:28:A:LEU:HD11	1:29:A:VAL:HA	8	0.27
(2,563)	1:28:A:LEU:HD12	1:29:A:VAL:HA	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,563)	1:28:A:LEU:HD13	1:29:A:VAL:HA	8	0.27
(2,563)	1:28:A:LEU:HD11	1:29:A:VAL:HA	13	0.27
(2,563)	1:28:A:LEU:HD12	1:29:A:VAL:HA	13	0.27
(2,563)	1:28:A:LEU:HD13	1:29:A:VAL:HA	13	0.27
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD11	5	0.27
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD12	5	0.27
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD13	5	0.27
(2,533)	1:24:A:THR:HB	1:25:A:LEU:HB2	8	0.27
(2,511)	1:23:A:GLN:HG3	1:20:A:GLN:HA	6	0.27
(2,511)	1:23:A:GLN:HG3	1:20:A:GLN:HA	15	0.27
(2,511)	1:23:A:GLN:HG3	1:20:A:GLN:HA	16	0.27
(2,506)	1:23:A:GLN:HB2	1:24:A:THR:H	1	0.27
(2,506)	1:23:A:GLN:HB2	1:24:A:THR:H	3	0.27
(2,506)	1:23:A:GLN:HB2	1:24:A:THR:H	10	0.27
(2,477)	1:25:A:LEU:HG	1:25:A:LEU:H	5	0.27
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD11	2	0.27
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD12	2	0.27
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD13	2	0.27
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD11	4	0.27
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD12	4	0.27
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD13	4	0.27
(2,471)	1:22:A:GLN:HA	1:25:A:LEU:HB3	12	0.27
(2,458)	1:20:A:GLN:HB3	1:16:A:LEU:HB3	2	0.27
(2,447)	1:20:A:GLN:HB3	1:20:A:GLN:HA	1	0.27
(2,447)	1:20:A:GLN:HB3	1:20:A:GLN:HA	3	0.27
(2,433)	1:21:A:GLN:HG2	1:21:A:GLN:HA	14	0.27
(2,418)	1:21:A:GLN:HB2	1:22:A:GLN:H	1	0.27
(2,402)	1:22:A:GLN:HB2	1:23:A:GLN:H	6	0.27
(2,388)	1:45:A:ILE:HA	1:46:A:SER:H	1	0.27
(2,337)	1:11:A:ALA:HA	1:14:A:ASN:HB2	1	0.27
(2,262)	1:12:A:ARG:HB2	1:12:A:ARG:H	8	0.27
(2,262)	1:12:A:ARG:HB2	1:12:A:ARG:H	11	0.27
(2,262)	1:12:A:ARG:HB2	1:12:A:ARG:H	12	0.27
(2,201)	1:6:A:ALA:HA	1:9:A:LEU:HB3	1	0.27
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB1	14	0.27
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB2	14	0.27
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB3	14	0.27
(2,116)	1:6:A:ALA:HB1	1:10:A:ALA:H	1	0.27
(2,116)	1:6:A:ALA:HB2	1:10:A:ALA:H	1	0.27
(2,116)	1:6:A:ALA:HB3	1:10:A:ALA:H	1	0.27
(2,71)	1:81:A:ILE:HD11	1:81:A:ILE:HA	14	0.27
(2,71)	1:81:A:ILE:HD12	1:81:A:ILE:HA	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,71)	1:81:A:ILE:HD13	1:81:A:ILE:HA	14	0.27
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD11	11	0.27
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD12	11	0.27
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD13	11	0.27
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD11	11	0.27
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD12	11	0.27
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD13	11	0.27
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD11	11	0.27
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD12	11	0.27
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD13	11	0.27
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG21	15	0.27
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG22	15	0.27
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG23	15	0.27
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG21	15	0.27
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG22	15	0.27
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG23	15	0.27
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG21	15	0.27
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG22	15	0.27
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG23	15	0.27
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD11	7	0.27
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD12	7	0.27
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD13	7	0.27
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD11	7	0.27
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD12	7	0.27
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD13	7	0.27
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD1	4	0.27
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD2	4	0.27
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD1	4	0.27
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD2	4	0.27
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD1	4	0.27
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD2	4	0.27
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD1	5	0.27
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD2	5	0.27
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD1	5	0.27
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD2	5	0.27
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD1	5	0.27
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD2	5	0.27
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD1	12	0.27
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD2	12	0.27
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD1	12	0.27
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD2	12	0.27
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD1	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD2	12	0.27
(2,36)	1:82:A:PHE:HZ	1:58:A:SER:HA	1	0.27
(2,31)	1:39:A:HIS:HD2	1:37:A:LEU:HB3	7	0.27
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG21	9	0.27
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG22	9	0.27
(2,29)	1:40:A:HIS:HD2	1:35:A:THR:HG23	9	0.27
(2,22)	1:40:A:HIS:HD2	1:40:A:HIS:HB2	9	0.27
(2,17)	1:95:A:HIS:HD2	1:95:A:HIS:HB2	1	0.27
(2,17)	1:95:A:HIS:HD2	1:95:A:HIS:HB2	12	0.27
(2,7)	1:9:A:LEU:HD11	1:71:A:ASN:HA	1	0.27
(2,7)	1:9:A:LEU:HD12	1:71:A:ASN:HA	1	0.27
(2,7)	1:9:A:LEU:HD13	1:71:A:ASN:HA	1	0.27
(1,566)	1:98:A:LEU:H	1:98:A:LEU:HB3	3	0.27
(1,566)	1:98:A:LEU:H	1:98:A:LEU:HB3	4	0.27
(1,561)	1:22:A:GLN:H	1:21:A:GLN:HB2	3	0.27
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD21	11	0.27
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD22	11	0.27
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD23	11	0.27
(1,552)	1:12:A:ARG:H	1:12:A:ARG:HB3	2	0.27
(1,552)	1:12:A:ARG:H	1:12:A:ARG:HB3	6	0.27
(1,500)	1:100:A:GLN:H	1:100:A:GLN:HB3	8	0.27
(1,493)	1:25:A:LEU:H	1:26:A:ALA:H	4	0.27
(1,493)	1:25:A:LEU:H	1:26:A:ALA:H	6	0.27
(1,493)	1:25:A:LEU:H	1:26:A:ALA:H	7	0.27
(1,493)	1:25:A:LEU:H	1:26:A:ALA:H	8	0.27
(1,493)	1:25:A:LEU:H	1:26:A:ALA:H	9	0.27
(1,493)	1:25:A:LEU:H	1:26:A:ALA:H	11	0.27
(1,493)	1:25:A:LEU:H	1:26:A:ALA:H	12	0.27
(1,438)	1:75:A:ASP:H	1:76:A:LEU:H	2	0.27
(1,390)	1:65:A:ARG:HE	1:65:A:ARG:HD3	3	0.27
(1,342)	1:66:A:ASN:H	1:66:A:ASN:HB2	6	0.27
(1,331)	1:64:A:LEU:H	1:64:A:LEU:HB2	11	0.27
(1,312)	1:46:A:SER:H	1:45:A:ILE:HG12	9	0.27
(1,312)	1:46:A:SER:H	1:45:A:ILE:HG12	16	0.27
(1,309)	1:56:A:ILE:H	1:51:A:PHE:HB2	5	0.27
(1,309)	1:56:A:ILE:H	1:51:A:PHE:HB2	12	0.27
(1,286)	1:14:A:ASN:H	1:13:A:LEU:HB2	4	0.27
(1,275)	1:81:A:ILE:H	1:82:A:PHE:H	13	0.27
(1,250)	1:99:A:THR:H	1:99:A:THR:HG21	2	0.27
(1,250)	1:99:A:THR:H	1:99:A:THR:HG22	2	0.27
(1,250)	1:99:A:THR:H	1:99:A:THR:HG23	2	0.27
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG21	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG22	13	0.27
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG23	13	0.27
(1,213)	1:38:A:GLY:H	1:38:A:GLY:HA2	6	0.27
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB1	5	0.27
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB2	5	0.27
(1,161)	1:5:A:ALA:H	1:5:A:ALA:HB3	5	0.27
(1,145)	1:50:A:ALA:H	1:50:A:ALA:HA	1	0.27
(1,145)	1:50:A:ALA:H	1:50:A:ALA:HA	3	0.27
(1,145)	1:50:A:ALA:H	1:50:A:ALA:HA	5	0.27
(1,145)	1:50:A:ALA:H	1:50:A:ALA:HA	9	0.27
(1,145)	1:50:A:ALA:H	1:50:A:ALA:HA	10	0.27
(1,145)	1:50:A:ALA:H	1:50:A:ALA:HA	16	0.27
(1,110)	1:52:A:LYS:H	1:52:A:LYS:HG3	9	0.27
(1,110)	1:52:A:LYS:H	1:52:A:LYS:HG3	11	0.27
(1,94)	1:71:A:ASN:HD22	1:68:A:LEU:HA	2	0.27
(1,94)	1:71:A:ASN:HD22	1:68:A:LEU:HA	6	0.27
(1,56)	1:60:A:THR:H	1:59:A:LEU:HB2	12	0.27
(1,56)	1:60:A:THR:H	1:59:A:LEU:HB2	13	0.27
(1,40)	1:16:A:LEU:H	1:15:A:GLY:H	12	0.27
(1,34)	1:73:A:GLY:H	1:72:A:THR:H	10	0.27
(1,25)	1:83:A:ASP:H	1:84:A:HIS:H	10	0.27
(1,23)	1:44:A:SER:H	1:45:A:ILE:H	11	0.27
(1,21)	1:7:A:THR:H	1:6:A:ALA:H	11	0.27
(1,17)	1:100:A:GLN:H	1:99:A:THR:H	6	0.27
(1,11)	1:96:A:THR:H	1:95:A:HIS:H	10	0.27
(1,7)	1:61:A:ALA:H	1:57:A:ASP:H	15	0.27
(2,1915)	1:91:A:THR:HB	1:91:A:THR:H	1	0.26
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB1	6	0.26
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB2	6	0.26
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB3	6	0.26
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB1	6	0.26
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB2	6	0.26
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB3	6	0.26
(2,1888)	1:13:A:LEU:HG	1:13:A:LEU:H	2	0.26
(2,1888)	1:13:A:LEU:HG	1:13:A:LEU:H	6	0.26
(2,1888)	1:13:A:LEU:HG	1:13:A:LEU:H	15	0.26
(2,1848)	1:95:A:HIS:HD2	1:22:A:GLN:H	3	0.26
(2,1848)	1:95:A:HIS:HD2	1:22:A:GLN:H	11	0.26
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG21	3	0.26
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG22	3	0.26
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG23	3	0.26
(2,1793)	1:100:A:GLN:HG3	1:99:A:THR:HG21	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1793)	1:100:A:GLN:HG3	1:99:A:THR:HG22	2	0.26
(2,1793)	1:100:A:GLN:HG3	1:99:A:THR:HG23	2	0.26
(2,1729)	1:93:A:HIS:HA	1:90:A:LEU:HA	11	0.26
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE1	2	0.26
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE2	2	0.26
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE1	2	0.26
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE2	2	0.26
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE1	2	0.26
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE2	2	0.26
(2,1663)	1:90:A:LEU:HA	1:84:A:HIS:HB3	10	0.26
(2,1663)	1:90:A:LEU:HA	1:84:A:HIS:HB3	12	0.26
(2,1630)	1:87:A:PRO:HD3	1:51:A:PHE:H	12	0.26
(2,1630)	1:87:A:PRO:HD3	1:51:A:PHE:H	16	0.26
(2,1567)	1:83:A:ASP:HB3	1:83:A:ASP:H	2	0.26
(2,1540)	1:98:A:LEU:HB2	1:95:A:HIS:HA	12	0.26
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD21	6	0.26
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD22	6	0.26
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD23	6	0.26
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD21	16	0.26
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD22	16	0.26
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD23	16	0.26
(2,1483)	1:60:A:THR:HA	1:63:A:GLU:HB2	7	0.26
(2,1453)	1:40:A:HIS:HA	1:40:A:HIS:HB2	8	0.26
(2,1453)	1:40:A:HIS:HA	1:40:A:HIS:HB2	14	0.26
(2,1453)	1:40:A:HIS:HA	1:40:A:HIS:HB2	15	0.26
(2,1453)	1:40:A:HIS:HA	1:40:A:HIS:HB2	16	0.26
(2,1445)	1:88:A:HIS:HB2	1:88:A:HIS:H	7	0.26
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG21	11	0.26
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG22	11	0.26
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG23	11	0.26
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG21	11	0.26
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG22	11	0.26
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG23	11	0.26
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG21	11	0.26
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG22	11	0.26
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG23	11	0.26
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG21	16	0.26
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG22	16	0.26
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG23	16	0.26
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG21	16	0.26
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG22	16	0.26
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG23	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG21	16	0.26
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG22	16	0.26
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG23	16	0.26
(2,1412)	1:56:A:ILE:HD11	1:33:A:THR:HB	14	0.26
(2,1412)	1:56:A:ILE:HD12	1:33:A:THR:HB	14	0.26
(2,1412)	1:56:A:ILE:HD13	1:33:A:THR:HB	14	0.26
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD11	1	0.26
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD12	1	0.26
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD13	1	0.26
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD11	16	0.26
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD12	16	0.26
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD13	16	0.26
(2,1367)	1:97:A:ARG:HB2	1:98:A:LEU:H	5	0.26
(2,1318)	1:68:A:LEU:HB3	1:68:A:LEU:HA	10	0.26
(2,1301)	1:66:A:ASN:HB2	1:65:A:ARG:H	5	0.26
(2,1293)	1:66:A:ASN:HA	1:65:A:ARG:H	9	0.26
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	1	0.26
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD12	1	0.26
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD13	1	0.26
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	2	0.26
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD12	2	0.26
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD13	2	0.26
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	13	0.26
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD12	13	0.26
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD13	13	0.26
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	16	0.26
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD12	16	0.26
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD13	16	0.26
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD21	6	0.26
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD22	6	0.26
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD23	6	0.26
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD21	12	0.26
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD22	12	0.26
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD23	12	0.26
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD21	13	0.26
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD22	13	0.26
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD23	13	0.26
(2,1228)	1:63:A:GLU:HG2	1:63:A:GLU:H	2	0.26
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB1	6	0.26
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB2	6	0.26
(2,1168)	1:56:A:ILE:HG21	1:61:A:ALA:HB3	6	0.26
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB1	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB2	6	0.26
(2,1168)	1:56:A:ILE:HG22	1:61:A:ALA:HB3	6	0.26
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB1	6	0.26
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB2	6	0.26
(2,1168)	1:56:A:ILE:HG23	1:61:A:ALA:HB3	6	0.26
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD11	3	0.26
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD12	3	0.26
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD13	3	0.26
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD11	3	0.26
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD12	3	0.26
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD13	3	0.26
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD11	3	0.26
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD12	3	0.26
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD13	3	0.26
(2,1047)	1:52:A:LYS:HB2	1:53:A:ASP:H	5	0.26
(2,1030)	1:51:A:PHE:HB2	1:81:A:ILE:HG13	8	0.26
(2,1023)	1:51:A:PHE:HA	1:51:A:PHE:HB3	11	0.26
(2,1023)	1:51:A:PHE:HA	1:51:A:PHE:HB3	16	0.26
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD11	2	0.26
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD12	2	0.26
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD13	2	0.26
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD11	2	0.26
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD12	2	0.26
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD13	2	0.26
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD11	2	0.26
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD12	2	0.26
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD13	2	0.26
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD11	10	0.26
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD12	10	0.26
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD13	10	0.26
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD11	10	0.26
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD12	10	0.26
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD13	10	0.26
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD11	10	0.26
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD12	10	0.26
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD13	10	0.26
(2,980)	1:49:A:THR:HB	1:54:A:LEU:HG	5	0.26
(2,980)	1:49:A:THR:HB	1:54:A:LEU:HG	15	0.26
(2,976)	1:49:A:THR:HB	1:50:A:ALA:H	2	0.26
(2,976)	1:49:A:THR:HB	1:50:A:ALA:H	12	0.26
(2,932)	1:45:A:ILE:HG13	1:42:A:PRO:HA	8	0.26
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG21	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG22	10	0.26
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG23	10	0.26
(2,897)	1:41:A:THR:HG21	1:44:A:SER:HB3	10	0.26
(2,897)	1:41:A:THR:HG22	1:44:A:SER:HB3	10	0.26
(2,897)	1:41:A:THR:HG23	1:44:A:SER:HB3	10	0.26
(2,897)	1:41:A:THR:HG21	1:44:A:SER:HB3	15	0.26
(2,897)	1:41:A:THR:HG22	1:44:A:SER:HB3	15	0.26
(2,897)	1:41:A:THR:HG23	1:44:A:SER:HB3	15	0.26
(2,896)	1:41:A:THR:HG21	1:42:A:PRO:HD2	12	0.26
(2,896)	1:41:A:THR:HG22	1:42:A:PRO:HD2	12	0.26
(2,896)	1:41:A:THR:HG23	1:42:A:PRO:HD2	12	0.26
(2,870)	1:42:A:PRO:HG2	1:42:A:PRO:HA	9	0.26
(2,870)	1:42:A:PRO:HG2	1:42:A:PRO:HA	10	0.26
(2,870)	1:42:A:PRO:HG2	1:42:A:PRO:HA	11	0.26
(2,870)	1:42:A:PRO:HG2	1:42:A:PRO:HA	14	0.26
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG21	6	0.26
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG22	6	0.26
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG23	6	0.26
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG21	6	0.26
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG22	6	0.26
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG23	6	0.26
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG21	6	0.26
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG22	6	0.26
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG23	6	0.26
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG21	13	0.26
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG22	13	0.26
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG23	13	0.26
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG21	13	0.26
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG22	13	0.26
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG23	13	0.26
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG21	13	0.26
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG22	13	0.26
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG23	13	0.26
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG21	2	0.26
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG22	2	0.26
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG23	2	0.26
(2,832)	1:37:A:LEU:HB2	1:37:A:LEU:H	4	0.26
(2,832)	1:37:A:LEU:HB2	1:37:A:LEU:H	15	0.26
(2,832)	1:37:A:LEU:HB2	1:37:A:LEU:H	16	0.26
(2,831)	1:37:A:LEU:HA	1:37:A:LEU:HB3	7	0.26
(2,827)	1:36:A:VAL:HG11	1:64:A:LEU:H	6	0.26
(2,827)	1:36:A:VAL:HG12	1:64:A:LEU:H	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,827)	1:36:A:VAL:HG13	1:64:A:LEU:H	6	0.26
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG21	8	0.26
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG22	8	0.26
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG23	8	0.26
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG21	16	0.26
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG22	16	0.26
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG23	16	0.26
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB1	11	0.26
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB2	11	0.26
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB3	11	0.26
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB1	12	0.26
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB2	12	0.26
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB3	12	0.26
(2,716)	1:30:A:ALA:HB1	1:34:A:ALA:HA	8	0.26
(2,716)	1:30:A:ALA:HB2	1:34:A:ALA:HA	8	0.26
(2,716)	1:30:A:ALA:HB3	1:34:A:ALA:HA	8	0.26
(2,716)	1:30:A:ALA:HB1	1:34:A:ALA:HA	15	0.26
(2,716)	1:30:A:ALA:HB2	1:34:A:ALA:HA	15	0.26
(2,716)	1:30:A:ALA:HB3	1:34:A:ALA:HA	15	0.26
(2,641)	1:54:A:LEU:HG	1:54:A:LEU:HA	7	0.26
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB1	16	0.26
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB2	16	0.26
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB3	16	0.26
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG21	6	0.26
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG22	6	0.26
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG23	6	0.26
(2,564)	1:28:A:LEU:HD11	1:71:A:ASN:HB3	4	0.26
(2,564)	1:28:A:LEU:HD12	1:71:A:ASN:HB3	4	0.26
(2,564)	1:28:A:LEU:HD13	1:71:A:ASN:HB3	4	0.26
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD11	9	0.26
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD12	9	0.26
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD13	9	0.26
(2,547)	1:25:A:LEU:HA	1:29:A:VAL:H	9	0.26
(2,533)	1:24:A:THR:HB	1:25:A:LEU:HB2	6	0.26
(2,506)	1:23:A:GLN:HB2	1:24:A:THR:H	7	0.26
(2,506)	1:23:A:GLN:HB2	1:24:A:THR:H	9	0.26
(2,506)	1:23:A:GLN:HB2	1:24:A:THR:H	11	0.26
(2,506)	1:23:A:GLN:HB2	1:24:A:THR:H	13	0.26
(2,490)	1:22:A:GLN:HG2	1:22:A:GLN:HA	13	0.26
(2,483)	1:22:A:GLN:HG2	1:22:A:GLN:HB3	13	0.26
(2,478)	1:59:A:LEU:HG	1:60:A:THR:H	10	0.26
(2,477)	1:25:A:LEU:HG	1:25:A:LEU:H	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,477)	1:25:A:LEU:HG	1:25:A:LEU:H	4	0.26
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD11	16	0.26
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD12	16	0.26
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD13	16	0.26
(2,471)	1:22:A:GLN:HA	1:25:A:LEU:HB3	3	0.26
(2,471)	1:22:A:GLN:HA	1:25:A:LEU:HB3	11	0.26
(2,447)	1:20:A:GLN:HB3	1:20:A:GLN:HA	2	0.26
(2,447)	1:20:A:GLN:HB3	1:20:A:GLN:HA	5	0.26
(2,447)	1:20:A:GLN:HB3	1:20:A:GLN:HA	6	0.26
(2,447)	1:20:A:GLN:HB3	1:20:A:GLN:HA	8	0.26
(2,447)	1:20:A:GLN:HB3	1:20:A:GLN:HA	14	0.26
(2,447)	1:20:A:GLN:HB3	1:20:A:GLN:HA	15	0.26
(2,433)	1:21:A:GLN:HG2	1:21:A:GLN:HA	10	0.26
(2,433)	1:21:A:GLN:HG2	1:21:A:GLN:HA	12	0.26
(2,433)	1:21:A:GLN:HG2	1:21:A:GLN:HA	13	0.26
(2,433)	1:21:A:GLN:HG2	1:21:A:GLN:HA	15	0.26
(2,418)	1:21:A:GLN:HB2	1:22:A:GLN:H	8	0.26
(2,388)	1:45:A:ILE:HA	1:46:A:SER:H	8	0.26
(2,366)	1:17:A:SER:HB3	1:17:A:SER:HA	16	0.26
(2,364)	1:17:A:SER:HB2	1:17:A:SER:H	10	0.26
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD21	4	0.26
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD22	4	0.26
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD23	4	0.26
(2,298)	1:94:A:LEU:HB2	1:94:A:LEU:H	14	0.26
(2,269)	1:12:A:ARG:HG2	1:13:A:LEU:H	14	0.26
(2,262)	1:12:A:ARG:HB2	1:12:A:ARG:H	9	0.26
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD11	15	0.26
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD12	15	0.26
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD13	15	0.26
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD11	15	0.26
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD12	15	0.26
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD13	15	0.26
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD11	15	0.26
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD12	15	0.26
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD13	15	0.26
(2,201)	1:6:A:ALA:HA	1:9:A:LEU:HB3	14	0.26
(2,116)	1:6:A:ALA:HB1	1:10:A:ALA:H	9	0.26
(2,116)	1:6:A:ALA:HB2	1:10:A:ALA:H	9	0.26
(2,116)	1:6:A:ALA:HB3	1:10:A:ALA:H	9	0.26
(2,71)	1:81:A:ILE:HD11	1:81:A:ILE:HA	4	0.26
(2,71)	1:81:A:ILE:HD12	1:81:A:ILE:HA	4	0.26
(2,71)	1:81:A:ILE:HD13	1:81:A:ILE:HA	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,71)	1:81:A:ILE:HD11	1:81:A:ILE:HA	6	0.26
(2,71)	1:81:A:ILE:HD12	1:81:A:ILE:HA	6	0.26
(2,71)	1:81:A:ILE:HD13	1:81:A:ILE:HA	6	0.26
(2,71)	1:81:A:ILE:HD11	1:81:A:ILE:HA	13	0.26
(2,71)	1:81:A:ILE:HD12	1:81:A:ILE:HA	13	0.26
(2,71)	1:81:A:ILE:HD13	1:81:A:ILE:HA	13	0.26
(2,71)	1:81:A:ILE:HD11	1:81:A:ILE:HA	16	0.26
(2,71)	1:81:A:ILE:HD12	1:81:A:ILE:HA	16	0.26
(2,71)	1:81:A:ILE:HD13	1:81:A:ILE:HA	16	0.26
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG21	5	0.26
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG22	5	0.26
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG23	5	0.26
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG21	5	0.26
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG22	5	0.26
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG23	5	0.26
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG21	5	0.26
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG22	5	0.26
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG23	5	0.26
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG21	9	0.26
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG22	9	0.26
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG23	9	0.26
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG21	9	0.26
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG22	9	0.26
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG23	9	0.26
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG21	9	0.26
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG22	9	0.26
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG23	9	0.26
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD1	9	0.26
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD2	9	0.26
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD1	9	0.26
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD2	9	0.26
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD1	9	0.26
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD2	9	0.26
(2,20)	1:102:A:HIS:HB2	1:102:A:HIS:HD2	1	0.26
(2,20)	1:102:A:HIS:HB2	1:102:A:HIS:HD2	7	0.26
(2,19)	1:102:A:HIS:HB3	1:102:A:HIS:HD2	15	0.26
(1,590)	1:96:A:THR:H	1:97:A:ARG:H	5	0.26
(1,566)	1:98:A:LEU:H	1:98:A:LEU:HB3	12	0.26
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD21	6	0.26
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD22	6	0.26
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD23	6	0.26
(1,527)	1:93:A:HIS:H	1:92:A:GLN:HB3	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,493)	1:25:A:LEU:H	1:26:A:ALA:H	2	0.26
(1,493)	1:25:A:LEU:H	1:26:A:ALA:H	5	0.26
(1,493)	1:25:A:LEU:H	1:26:A:ALA:H	14	0.26
(1,445)	1:3:A:ALA:H	1:3:A:ALA:HA	2	0.26
(1,443)	1:75:A:ASP:H	1:74:A:LEU:HB2	3	0.26
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD21	11	0.26
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD22	11	0.26
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD23	11	0.26
(1,390)	1:65:A:ARG:HE	1:65:A:ARG:HD3	1	0.26
(1,390)	1:65:A:ARG:HE	1:65:A:ARG:HD3	7	0.26
(1,390)	1:65:A:ARG:HE	1:65:A:ARG:HD3	10	0.26
(1,390)	1:65:A:ARG:HE	1:65:A:ARG:HD3	12	0.26
(1,376)	1:58:A:SER:H	1:58:A:SER:HB3	14	0.26
(1,342)	1:66:A:ASN:H	1:66:A:ASN:HB2	2	0.26
(1,342)	1:66:A:ASN:H	1:66:A:ASN:HB2	10	0.26
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD21	1	0.26
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD22	1	0.26
(1,340)	1:90:A:LEU:H	1:90:A:LEU:HD23	1	0.26
(1,275)	1:81:A:ILE:H	1:82:A:PHE:H	5	0.26
(1,275)	1:81:A:ILE:H	1:82:A:PHE:H	11	0.26
(1,249)	1:99:A:THR:H	1:98:A:LEU:HB2	14	0.26
(1,94)	1:71:A:ASN:HD22	1:68:A:LEU:HA	3	0.26
(1,44)	1:79:A:THR:H	1:78:A:PRO:HA	5	0.26
(1,44)	1:79:A:THR:H	1:78:A:PRO:HA	8	0.26
(1,34)	1:73:A:GLY:H	1:72:A:THR:H	3	0.26
(1,23)	1:44:A:SER:H	1:45:A:ILE:H	14	0.26
(1,7)	1:61:A:ALA:H	1:57:A:ASP:H	4	0.26
(2,1915)	1:91:A:THR:HB	1:91:A:THR:H	8	0.25
(2,1888)	1:13:A:LEU:HG	1:13:A:LEU:H	16	0.25
(2,1885)	1:13:A:LEU:HG	1:13:A:LEU:HA	8	0.25
(2,1848)	1:95:A:HIS:HD2	1:22:A:GLN:H	2	0.25
(2,1848)	1:95:A:HIS:HD2	1:22:A:GLN:H	6	0.25
(2,1798)	1:99:A:THR:HG21	1:99:A:THR:H	5	0.25
(2,1798)	1:99:A:THR:HG22	1:99:A:THR:H	5	0.25
(2,1798)	1:99:A:THR:HG23	1:99:A:THR:H	5	0.25
(2,1763)	1:41:A:THR:HG21	1:40:A:HIS:HB2	11	0.25
(2,1763)	1:41:A:THR:HG22	1:40:A:HIS:HB2	11	0.25
(2,1763)	1:41:A:THR:HG23	1:40:A:HIS:HB2	11	0.25
(2,1763)	1:41:A:THR:HG21	1:40:A:HIS:HB2	13	0.25
(2,1763)	1:41:A:THR:HG22	1:40:A:HIS:HB2	13	0.25
(2,1763)	1:41:A:THR:HG23	1:40:A:HIS:HB2	13	0.25
(2,1755)	1:92:A:GLN:HA	1:95:A:HIS:HB3	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1714)	1:92:A:GLN:HG2	1:92:A:GLN:HA	3	0.25
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE1	13	0.25
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE2	13	0.25
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE1	13	0.25
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE2	13	0.25
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE1	13	0.25
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE2	13	0.25
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE1	15	0.25
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE2	15	0.25
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE1	15	0.25
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE2	15	0.25
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE1	15	0.25
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE2	15	0.25
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE1	16	0.25
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE2	16	0.25
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE1	16	0.25
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE2	16	0.25
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE1	16	0.25
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE2	16	0.25
(2,1680)	1:90:A:LEU:HD21	1:51:A:PHE:HZ	12	0.25
(2,1680)	1:90:A:LEU:HD22	1:51:A:PHE:HZ	12	0.25
(2,1680)	1:90:A:LEU:HD23	1:51:A:PHE:HZ	12	0.25
(2,1678)	1:90:A:LEU:HD21	1:90:A:LEU:HB2	2	0.25
(2,1678)	1:90:A:LEU:HD22	1:90:A:LEU:HB2	2	0.25
(2,1678)	1:90:A:LEU:HD23	1:90:A:LEU:HB2	2	0.25
(2,1678)	1:90:A:LEU:HD21	1:90:A:LEU:HB2	5	0.25
(2,1678)	1:90:A:LEU:HD22	1:90:A:LEU:HB2	5	0.25
(2,1678)	1:90:A:LEU:HD23	1:90:A:LEU:HB2	5	0.25
(2,1678)	1:90:A:LEU:HD21	1:90:A:LEU:HB2	14	0.25
(2,1678)	1:90:A:LEU:HD22	1:90:A:LEU:HB2	14	0.25
(2,1678)	1:90:A:LEU:HD23	1:90:A:LEU:HB2	14	0.25
(2,1663)	1:90:A:LEU:HA	1:84:A:HIS:HB3	4	0.25
(2,1663)	1:90:A:LEU:HA	1:84:A:HIS:HB3	7	0.25
(2,1663)	1:90:A:LEU:HA	1:84:A:HIS:HB3	15	0.25
(2,1560)	1:82:A:PHE:HB2	1:83:A:ASP:H	14	0.25
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD1	5	0.25
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD2	5	0.25
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD1	6	0.25
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD2	6	0.25
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD1	12	0.25
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD2	12	0.25
(2,1542)	1:81:A:ILE:HA	1:84:A:HIS:H	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1453)	1:40:A:HIS:HA	1:40:A:HIS:HB2	10	0.25
(2,1445)	1:88:A:HIS:HB2	1:88:A:HIS:H	1	0.25
(2,1445)	1:88:A:HIS:HB2	1:88:A:HIS:H	10	0.25
(2,1444)	1:88:A:HIS:HB3	1:88:A:HIS:H	2	0.25
(2,1444)	1:88:A:HIS:HB3	1:88:A:HIS:H	9	0.25
(2,1402)	1:45:A:ILE:HD11	1:44:A:SER:HB3	2	0.25
(2,1402)	1:45:A:ILE:HD12	1:44:A:SER:HB3	2	0.25
(2,1402)	1:45:A:ILE:HD13	1:44:A:SER:HB3	2	0.25
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD21	9	0.25
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD22	9	0.25
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD23	9	0.25
(2,1334)	1:69:A:THR:HA	1:74:A:LEU:H	15	0.25
(2,1301)	1:66:A:ASN:HB2	1:65:A:ARG:H	1	0.25
(2,1301)	1:66:A:ASN:HB2	1:65:A:ARG:H	6	0.25
(2,1301)	1:66:A:ASN:HB2	1:65:A:ARG:H	9	0.25
(2,1299)	1:66:A:ASN:HB2	1:67:A:THR:H	3	0.25
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	11	0.25
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD12	11	0.25
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD13	11	0.25
(2,1274)	1:65:A:ARG:HA	1:65:A:ARG:HG2	15	0.25
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD21	2	0.25
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD22	2	0.25
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD23	2	0.25
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD21	10	0.25
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD22	10	0.25
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD23	10	0.25
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG21	2	0.25
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG22	2	0.25
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG23	2	0.25
(2,1204)	1:62:A:LEU:HG	1:59:A:LEU:HA	10	0.25
(2,1204)	1:62:A:LEU:HG	1:59:A:LEU:HA	14	0.25
(2,1195)	1:63:A:GLU:HB2	1:63:A:GLU:HB3	3	0.25
(2,1195)	1:63:A:GLU:HB2	1:63:A:GLU:HB3	4	0.25
(2,1195)	1:63:A:GLU:HB2	1:63:A:GLU:HB3	6	0.25
(2,1195)	1:63:A:GLU:HB2	1:63:A:GLU:HB3	7	0.25
(2,1195)	1:63:A:GLU:HB2	1:63:A:GLU:HB3	9	0.25
(2,1195)	1:63:A:GLU:HB2	1:63:A:GLU:HB3	10	0.25
(2,1195)	1:63:A:GLU:HB2	1:63:A:GLU:HB3	11	0.25
(2,1195)	1:63:A:GLU:HB2	1:63:A:GLU:HB3	12	0.25
(2,1195)	1:63:A:GLU:HB2	1:63:A:GLU:HB3	13	0.25
(2,1195)	1:63:A:GLU:HB2	1:63:A:GLU:HB3	15	0.25
(2,1195)	1:63:A:GLU:HB2	1:63:A:GLU:HB3	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1171)	1:61:A:ALA:HB1	1:64:A:LEU:HB3	7	0.25
(2,1171)	1:61:A:ALA:HB2	1:64:A:LEU:HB3	7	0.25
(2,1171)	1:61:A:ALA:HB3	1:64:A:LEU:HB3	7	0.25
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD11	10	0.25
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD12	10	0.25
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD13	10	0.25
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD11	10	0.25
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD12	10	0.25
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD13	10	0.25
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD11	10	0.25
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD12	10	0.25
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD13	10	0.25
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD11	14	0.25
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD12	14	0.25
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD13	14	0.25
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD11	14	0.25
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD12	14	0.25
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD13	14	0.25
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD11	14	0.25
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD12	14	0.25
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD13	14	0.25
(2,1100)	1:81:A:ILE:HG21	1:90:A:LEU:HB2	1	0.25
(2,1100)	1:81:A:ILE:HG22	1:90:A:LEU:HB2	1	0.25
(2,1100)	1:81:A:ILE:HG23	1:90:A:LEU:HB2	1	0.25
(2,1100)	1:81:A:ILE:HG21	1:90:A:LEU:HB2	4	0.25
(2,1100)	1:81:A:ILE:HG22	1:90:A:LEU:HB2	4	0.25
(2,1100)	1:81:A:ILE:HG23	1:90:A:LEU:HB2	4	0.25
(2,1047)	1:52:A:LYS:HB2	1:53:A:ASP:H	3	0.25
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD21	14	0.25
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD22	14	0.25
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD23	14	0.25
(2,976)	1:49:A:THR:HB	1:50:A:ALA:H	8	0.25
(2,976)	1:49:A:THR:HB	1:50:A:ALA:H	15	0.25
(2,960)	1:47:A:PRO:HD2	1:46:A:SER:HB3	10	0.25
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB1	11	0.25
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB2	11	0.25
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB3	11	0.25
(2,932)	1:45:A:ILE:HG13	1:42:A:PRO:HA	14	0.25
(2,921)	1:44:A:SER:HB2	1:44:A:SER:HB3	1	0.25
(2,896)	1:41:A:THR:HG21	1:42:A:PRO:HD2	5	0.25
(2,896)	1:41:A:THR:HG22	1:42:A:PRO:HD2	5	0.25
(2,896)	1:41:A:THR:HG23	1:42:A:PRO:HD2	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,876)	1:42:A:PRO:HB2	1:43:A:GLU:H	14	0.25
(2,872)	1:42:A:PRO:HA	1:30:A:ALA:HB1	3	0.25
(2,872)	1:42:A:PRO:HA	1:30:A:ALA:HB2	3	0.25
(2,872)	1:42:A:PRO:HA	1:30:A:ALA:HB3	3	0.25
(2,870)	1:42:A:PRO:HG2	1:42:A:PRO:HA	2	0.25
(2,870)	1:42:A:PRO:HG2	1:42:A:PRO:HA	3	0.25
(2,870)	1:42:A:PRO:HG2	1:42:A:PRO:HA	7	0.25
(2,870)	1:42:A:PRO:HG2	1:42:A:PRO:HA	13	0.25
(2,870)	1:42:A:PRO:HG2	1:42:A:PRO:HA	15	0.25
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG21	4	0.25
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG22	4	0.25
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG23	4	0.25
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG21	4	0.25
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG22	4	0.25
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG23	4	0.25
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG21	4	0.25
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG22	4	0.25
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG23	4	0.25
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG21	7	0.25
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG22	7	0.25
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG23	7	0.25
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG21	7	0.25
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG22	7	0.25
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG23	7	0.25
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG21	7	0.25
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG22	7	0.25
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG23	7	0.25
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG21	14	0.25
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG22	14	0.25
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG23	14	0.25
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG21	14	0.25
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG22	14	0.25
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG23	14	0.25
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG21	14	0.25
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG22	14	0.25
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG23	14	0.25
(2,845)	1:37:A:LEU:HD11	1:36:A:VAL:H	15	0.25
(2,845)	1:37:A:LEU:HD12	1:36:A:VAL:H	15	0.25
(2,845)	1:37:A:LEU:HD13	1:36:A:VAL:H	15	0.25
(2,845)	1:37:A:LEU:HD11	1:36:A:VAL:H	16	0.25
(2,845)	1:37:A:LEU:HD12	1:36:A:VAL:H	16	0.25
(2,845)	1:37:A:LEU:HD13	1:36:A:VAL:H	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,832)	1:37:A:LEU:HB2	1:37:A:LEU:H	8	0.25
(2,832)	1:37:A:LEU:HB2	1:37:A:LEU:H	14	0.25
(2,831)	1:37:A:LEU:HA	1:37:A:LEU:HB3	1	0.25
(2,831)	1:37:A:LEU:HA	1:37:A:LEU:HB3	8	0.25
(2,831)	1:37:A:LEU:HA	1:37:A:LEU:HB3	11	0.25
(2,831)	1:37:A:LEU:HA	1:37:A:LEU:HB3	12	0.25
(2,831)	1:37:A:LEU:HA	1:37:A:LEU:HB3	13	0.25
(2,831)	1:37:A:LEU:HA	1:37:A:LEU:HB3	14	0.25
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG21	2	0.25
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG22	2	0.25
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG23	2	0.25
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG21	3	0.25
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG22	3	0.25
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG23	3	0.25
(2,716)	1:30:A:ALA:HB1	1:34:A:ALA:HA	7	0.25
(2,716)	1:30:A:ALA:HB2	1:34:A:ALA:HA	7	0.25
(2,716)	1:30:A:ALA:HB3	1:34:A:ALA:HA	7	0.25
(2,716)	1:30:A:ALA:HB1	1:34:A:ALA:HA	10	0.25
(2,716)	1:30:A:ALA:HB2	1:34:A:ALA:HA	10	0.25
(2,716)	1:30:A:ALA:HB3	1:34:A:ALA:HA	10	0.25
(2,641)	1:54:A:LEU:HG	1:54:A:LEU:HA	10	0.25
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG21	1	0.25
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG22	1	0.25
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG23	1	0.25
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG21	5	0.25
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG22	5	0.25
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG23	5	0.25
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG21	14	0.25
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG22	14	0.25
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG23	14	0.25
(2,571)	1:32:A:ALA:HA	1:34:A:ALA:H	4	0.25
(2,563)	1:28:A:LEU:HD11	1:29:A:VAL:HA	2	0.25
(2,563)	1:28:A:LEU:HD12	1:29:A:VAL:HA	2	0.25
(2,563)	1:28:A:LEU:HD13	1:29:A:VAL:HA	2	0.25
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD11	7	0.25
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD12	7	0.25
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD13	7	0.25
(2,533)	1:24:A:THR:HB	1:25:A:LEU:HB2	1	0.25
(2,533)	1:24:A:THR:HB	1:25:A:LEU:HB2	7	0.25
(2,511)	1:23:A:GLN:HG3	1:20:A:GLN:HA	5	0.25
(2,506)	1:23:A:GLN:HB2	1:24:A:THR:H	8	0.25
(2,494)	1:22:A:GLN:HG2	1:23:A:GLN:H	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,477)	1:25:A:LEU:HG	1:25:A:LEU:H	8	0.25
(2,458)	1:20:A:GLN:HB3	1:16:A:LEU:HB3	8	0.25
(2,458)	1:20:A:GLN:HB3	1:16:A:LEU:HB3	15	0.25
(2,418)	1:21:A:GLN:HB2	1:22:A:GLN:H	7	0.25
(2,411)	1:19:A:GLN:HB3	1:19:A:GLN:H	5	0.25
(2,411)	1:19:A:GLN:HB3	1:19:A:GLN:H	16	0.25
(2,403)	1:19:A:GLN:HG2	1:20:A:GLN:H	1	0.25
(2,403)	1:19:A:GLN:HG2	1:20:A:GLN:H	6	0.25
(2,402)	1:22:A:GLN:HB2	1:23:A:GLN:H	14	0.25
(2,383)	1:18:A:PRO:HB3	1:18:A:PRO:HG3	6	0.25
(2,298)	1:94:A:LEU:HB2	1:94:A:LEU:H	2	0.25
(2,298)	1:94:A:LEU:HB2	1:94:A:LEU:H	6	0.25
(2,298)	1:94:A:LEU:HB2	1:94:A:LEU:H	15	0.25
(2,274)	1:12:A:ARG:HB2	1:12:A:ARG:HD3	1	0.25
(2,269)	1:12:A:ARG:HG2	1:13:A:LEU:H	9	0.25
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD11	13	0.25
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD12	13	0.25
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD13	13	0.25
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD11	13	0.25
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD12	13	0.25
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD13	13	0.25
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD11	13	0.25
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD12	13	0.25
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD13	13	0.25
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB1	3	0.25
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB2	3	0.25
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB3	3	0.25
(2,71)	1:81:A:ILE:HD11	1:81:A:ILE:HA	5	0.25
(2,71)	1:81:A:ILE:HD12	1:81:A:ILE:HA	5	0.25
(2,71)	1:81:A:ILE:HD13	1:81:A:ILE:HA	5	0.25
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD11	3	0.25
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD12	3	0.25
(2,61)	1:90:A:LEU:HD21	1:81:A:ILE:HD13	3	0.25
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD11	3	0.25
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD12	3	0.25
(2,61)	1:90:A:LEU:HD22	1:81:A:ILE:HD13	3	0.25
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD11	3	0.25
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD12	3	0.25
(2,61)	1:90:A:LEU:HD23	1:81:A:ILE:HD13	3	0.25
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG21	6	0.25
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG22	6	0.25
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG23	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG21	6	0.25
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG22	6	0.25
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG23	6	0.25
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG21	6	0.25
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG22	6	0.25
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG23	6	0.25
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG21	7	0.25
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG22	7	0.25
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG23	7	0.25
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG21	7	0.25
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG22	7	0.25
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG23	7	0.25
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG21	7	0.25
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG22	7	0.25
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG23	7	0.25
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG21	8	0.25
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG22	8	0.25
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG23	8	0.25
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG21	8	0.25
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG22	8	0.25
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG23	8	0.25
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG21	8	0.25
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG22	8	0.25
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG23	8	0.25
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG21	11	0.25
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG22	11	0.25
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG23	11	0.25
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG21	11	0.25
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG22	11	0.25
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG23	11	0.25
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG21	11	0.25
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG22	11	0.25
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG23	11	0.25
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG21	13	0.25
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG22	13	0.25
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG23	13	0.25
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG21	13	0.25
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG22	13	0.25
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG23	13	0.25
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG21	13	0.25
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG22	13	0.25
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG23	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG21	14	0.25
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG22	14	0.25
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG23	14	0.25
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG21	14	0.25
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG22	14	0.25
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG23	14	0.25
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG21	14	0.25
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG22	14	0.25
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG23	14	0.25
(2,22)	1:40:A:HIS:HD2	1:40:A:HIS:HB2	3	0.25
(2,18)	1:21:A:GLN:HB3	1:95:A:HIS:HD2	11	0.25
(2,17)	1:95:A:HIS:HD2	1:95:A:HIS:HB2	10	0.25
(2,17)	1:95:A:HIS:HD2	1:95:A:HIS:HB2	11	0.25
(2,7)	1:9:A:LEU:HD11	1:71:A:ASN:HA	2	0.25
(2,7)	1:9:A:LEU:HD12	1:71:A:ASN:HA	2	0.25
(2,7)	1:9:A:LEU:HD13	1:71:A:ASN:HA	2	0.25
(1,493)	1:25:A:LEU:H	1:26:A:ALA:H	16	0.25
(1,445)	1:3:A:ALA:H	1:3:A:ALA:HA	4	0.25
(1,445)	1:3:A:ALA:H	1:3:A:ALA:HA	16	0.25
(1,443)	1:75:A:ASP:H	1:74:A:LEU:HB2	5	0.25
(1,390)	1:65:A:ARG:HE	1:65:A:ARG:HD3	5	0.25
(1,390)	1:65:A:ARG:HE	1:65:A:ARG:HD3	8	0.25
(1,390)	1:65:A:ARG:HE	1:65:A:ARG:HD3	13	0.25
(1,390)	1:65:A:ARG:HE	1:65:A:ARG:HD3	15	0.25
(1,376)	1:58:A:SER:H	1:58:A:SER:HB3	8	0.25
(1,309)	1:56:A:ILE:H	1:51:A:PHE:HB2	1	0.25
(1,309)	1:56:A:ILE:H	1:51:A:PHE:HB2	13	0.25
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD21	8	0.25
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD22	8	0.25
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD23	8	0.25
(1,275)	1:81:A:ILE:H	1:82:A:PHE:H	1	0.25
(1,250)	1:99:A:THR:H	1:99:A:THR:HG21	5	0.25
(1,250)	1:99:A:THR:H	1:99:A:THR:HG22	5	0.25
(1,250)	1:99:A:THR:H	1:99:A:THR:HG23	5	0.25
(1,219)	1:7:A:THR:H	1:6:A:ALA:HB1	15	0.25
(1,219)	1:7:A:THR:H	1:6:A:ALA:HB2	15	0.25
(1,219)	1:7:A:THR:H	1:6:A:ALA:HB3	15	0.25
(1,89)	1:71:A:ASN:HD21	1:71:A:ASN:HB3	12	0.25
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD11	5	0.25
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD12	5	0.25
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD13	5	0.25
(1,56)	1:60:A:THR:H	1:59:A:LEU:HB2	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,38)	1:73:A:GLY:H	1:74:A:LEU:H	2	0.25
(1,34)	1:73:A:GLY:H	1:72:A:THR:H	15	0.25
(1,34)	1:73:A:GLY:H	1:72:A:THR:H	16	0.25
(1,25)	1:83:A:ASP:H	1:84:A:HIS:H	3	0.25
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB1	11	0.24
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB2	11	0.24
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB3	11	0.24
(2,1898)	1:30:A:ALA:HB1	1:42:A:PRO:HB3	10	0.24
(2,1898)	1:30:A:ALA:HB2	1:42:A:PRO:HB3	10	0.24
(2,1898)	1:30:A:ALA:HB3	1:42:A:PRO:HB3	10	0.24
(2,1848)	1:95:A:HIS:HD2	1:22:A:GLN:H	5	0.24
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG21	13	0.24
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG22	13	0.24
(2,1805)	1:100:A:GLN:HG3	1:96:A:THR:HG23	13	0.24
(2,1771)	1:97:A:ARG:HG3	1:98:A:LEU:H	5	0.24
(2,1771)	1:97:A:ARG:HG3	1:98:A:LEU:H	14	0.24
(2,1763)	1:41:A:THR:HG21	1:40:A:HIS:HB2	12	0.24
(2,1763)	1:41:A:THR:HG22	1:40:A:HIS:HB2	12	0.24
(2,1763)	1:41:A:THR:HG23	1:40:A:HIS:HB2	12	0.24
(2,1755)	1:92:A:GLN:HA	1:95:A:HIS:HB3	3	0.24
(2,1714)	1:92:A:GLN:HG2	1:92:A:GLN:HA	13	0.24
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD11	15	0.24
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD12	15	0.24
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD13	15	0.24
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD11	15	0.24
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD12	15	0.24
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD13	15	0.24
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD11	15	0.24
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD12	15	0.24
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD13	15	0.24
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE1	12	0.24
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE2	12	0.24
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE1	12	0.24
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE2	12	0.24
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE1	12	0.24
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE2	12	0.24
(2,1680)	1:90:A:LEU:HD21	1:51:A:PHE:HZ	7	0.24
(2,1680)	1:90:A:LEU:HD22	1:51:A:PHE:HZ	7	0.24
(2,1680)	1:90:A:LEU:HD23	1:51:A:PHE:HZ	7	0.24
(2,1678)	1:90:A:LEU:HD21	1:90:A:LEU:HB2	1	0.24
(2,1678)	1:90:A:LEU:HD22	1:90:A:LEU:HB2	1	0.24
(2,1678)	1:90:A:LEU:HD23	1:90:A:LEU:HB2	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1678)	1:90:A:LEU:HD21	1:90:A:LEU:HB2	4	0.24
(2,1678)	1:90:A:LEU:HD22	1:90:A:LEU:HB2	4	0.24
(2,1678)	1:90:A:LEU:HD23	1:90:A:LEU:HB2	4	0.24
(2,1678)	1:90:A:LEU:HD21	1:90:A:LEU:HB2	6	0.24
(2,1678)	1:90:A:LEU:HD22	1:90:A:LEU:HB2	6	0.24
(2,1678)	1:90:A:LEU:HD23	1:90:A:LEU:HB2	6	0.24
(2,1663)	1:90:A:LEU:HA	1:84:A:HIS:HB3	6	0.24
(2,1663)	1:90:A:LEU:HA	1:84:A:HIS:HB3	11	0.24
(2,1650)	1:89:A:ALA:HB1	1:85:A:PRO:HD2	11	0.24
(2,1650)	1:89:A:ALA:HB2	1:85:A:PRO:HD2	11	0.24
(2,1650)	1:89:A:ALA:HB3	1:85:A:PRO:HD2	11	0.24
(2,1630)	1:87:A:PRO:HD3	1:51:A:PHE:H	6	0.24
(2,1566)	1:83:A:ASP:HB2	1:83:A:ASP:H	4	0.24
(2,1566)	1:83:A:ASP:HB2	1:83:A:ASP:H	6	0.24
(2,1548)	1:81:A:ILE:HG12	1:81:A:ILE:HB	4	0.24
(2,1548)	1:81:A:ILE:HG12	1:81:A:ILE:HB	16	0.24
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD1	2	0.24
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD2	2	0.24
(2,1540)	1:98:A:LEU:HB2	1:95:A:HIS:HA	15	0.24
(2,1540)	1:98:A:LEU:HB2	1:95:A:HIS:HA	16	0.24
(2,1499)	1:79:A:THR:HA	1:78:A:PRO:HB3	8	0.24
(2,1499)	1:79:A:THR:HA	1:78:A:PRO:HB3	11	0.24
(2,1493)	1:79:A:THR:HB	1:82:A:PHE:HB2	8	0.24
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG21	1	0.24
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG22	1	0.24
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG23	1	0.24
(2,1445)	1:88:A:HIS:HB2	1:88:A:HIS:H	16	0.24
(2,1444)	1:88:A:HIS:HB3	1:88:A:HIS:H	5	0.24
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG21	12	0.24
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG22	12	0.24
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG23	12	0.24
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG21	12	0.24
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG22	12	0.24
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG23	12	0.24
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG21	12	0.24
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG22	12	0.24
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG23	12	0.24
(2,1412)	1:56:A:ILE:HD11	1:33:A:THR:HB	2	0.24
(2,1412)	1:56:A:ILE:HD12	1:33:A:THR:HB	2	0.24
(2,1412)	1:56:A:ILE:HD13	1:33:A:THR:HB	2	0.24
(2,1402)	1:45:A:ILE:HD11	1:44:A:SER:HB3	10	0.24
(2,1402)	1:45:A:ILE:HD12	1:44:A:SER:HB3	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1402)	1:45:A:ILE:HD13	1:44:A:SER:HB3	10	0.24
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD21	7	0.24
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD22	7	0.24
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD23	7	0.24
(2,1299)	1:66:A:ASN:HB2	1:67:A:THR:H	6	0.24
(2,1299)	1:66:A:ASN:HB2	1:67:A:THR:H	10	0.24
(2,1293)	1:66:A:ASN:HA	1:65:A:ARG:H	16	0.24
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	6	0.24
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD12	6	0.24
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD13	6	0.24
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD21	13	0.24
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD22	13	0.24
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD23	13	0.24
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD21	14	0.24
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD22	14	0.24
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD23	14	0.24
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD21	4	0.24
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD22	4	0.24
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD23	4	0.24
(2,1228)	1:63:A:GLU:HG2	1:63:A:GLU:H	12	0.24
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG11	1	0.24
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG12	1	0.24
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG13	1	0.24
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG11	13	0.24
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG12	13	0.24
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG13	13	0.24
(2,1204)	1:62:A:LEU:HG	1:59:A:LEU:HA	4	0.24
(2,1195)	1:63:A:GLU:HB2	1:63:A:GLU:HB3	1	0.24
(2,1195)	1:63:A:GLU:HB2	1:63:A:GLU:HB3	2	0.24
(2,1195)	1:63:A:GLU:HB2	1:63:A:GLU:HB3	5	0.24
(2,1195)	1:63:A:GLU:HB2	1:63:A:GLU:HB3	14	0.24
(2,1185)	1:62:A:LEU:HB2	1:62:A:LEU:H	4	0.24
(2,1157)	1:56:A:ILE:HD11	1:60:A:THR:HB	5	0.24
(2,1157)	1:56:A:ILE:HD12	1:60:A:THR:HB	5	0.24
(2,1157)	1:56:A:ILE:HD13	1:60:A:THR:HB	5	0.24
(2,1096)	1:56:A:ILE:HG12	1:64:A:LEU:HD11	9	0.24
(2,1096)	1:56:A:ILE:HG12	1:64:A:LEU:HD12	9	0.24
(2,1096)	1:56:A:ILE:HG12	1:64:A:LEU:HD13	9	0.24
(2,1054)	1:52:A:LYS:HG2	1:53:A:ASP:H	2	0.24
(2,1053)	1:52:A:LYS:HG2	1:52:A:LYS:HA	9	0.24
(2,1047)	1:52:A:LYS:HB2	1:53:A:ASP:H	15	0.24
(2,1030)	1:51:A:PHE:HB2	1:81:A:ILE:HG13	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1029)	1:51:A:PHE:HB3	1:52:A:LYS:HG2	2	0.24
(2,1007)	1:39:A:HIS:HA	1:39:A:HIS:HD2	10	0.24
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD21	11	0.24
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD22	11	0.24
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD23	11	0.24
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD11	3	0.24
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD12	3	0.24
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD13	3	0.24
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD11	3	0.24
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD12	3	0.24
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD13	3	0.24
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD11	3	0.24
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD12	3	0.24
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD13	3	0.24
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD11	6	0.24
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD12	6	0.24
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD13	6	0.24
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD11	6	0.24
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD12	6	0.24
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD13	6	0.24
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD11	6	0.24
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD12	6	0.24
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD13	6	0.24
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD11	11	0.24
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD12	11	0.24
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD13	11	0.24
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD11	11	0.24
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD12	11	0.24
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD13	11	0.24
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD11	11	0.24
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD12	11	0.24
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD13	11	0.24
(2,976)	1:49:A:THR:HB	1:50:A:ALA:H	6	0.24
(2,960)	1:47:A:PRO:HD2	1:46:A:SER:HB3	5	0.24
(2,932)	1:45:A:ILE:HG13	1:42:A:PRO:HA	3	0.24
(2,922)	1:44:A:SER:HB2	1:41:A:THR:HG21	5	0.24
(2,922)	1:44:A:SER:HB2	1:41:A:THR:HG22	5	0.24
(2,922)	1:44:A:SER:HB2	1:41:A:THR:HG23	5	0.24
(2,921)	1:44:A:SER:HB2	1:44:A:SER:HB3	2	0.24
(2,921)	1:44:A:SER:HB2	1:44:A:SER:HB3	3	0.24
(2,921)	1:44:A:SER:HB2	1:44:A:SER:HB3	4	0.24
(2,921)	1:44:A:SER:HB2	1:44:A:SER:HB3	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,921)	1:44:A:SER:HB2	1:44:A:SER:HB3	6	0.24
(2,921)	1:44:A:SER:HB2	1:44:A:SER:HB3	7	0.24
(2,921)	1:44:A:SER:HB2	1:44:A:SER:HB3	8	0.24
(2,921)	1:44:A:SER:HB2	1:44:A:SER:HB3	9	0.24
(2,921)	1:44:A:SER:HB2	1:44:A:SER:HB3	10	0.24
(2,921)	1:44:A:SER:HB2	1:44:A:SER:HB3	11	0.24
(2,921)	1:44:A:SER:HB2	1:44:A:SER:HB3	12	0.24
(2,921)	1:44:A:SER:HB2	1:44:A:SER:HB3	13	0.24
(2,921)	1:44:A:SER:HB2	1:44:A:SER:HB3	14	0.24
(2,921)	1:44:A:SER:HB2	1:44:A:SER:HB3	15	0.24
(2,921)	1:44:A:SER:HB2	1:44:A:SER:HB3	16	0.24
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG21	7	0.24
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG22	7	0.24
(2,917)	1:44:A:SER:HA	1:41:A:THR:HG23	7	0.24
(2,900)	1:41:A:THR:HG21	1:43:A:GLU:HB3	16	0.24
(2,900)	1:41:A:THR:HG22	1:43:A:GLU:HB3	16	0.24
(2,900)	1:41:A:THR:HG23	1:43:A:GLU:HB3	16	0.24
(2,897)	1:41:A:THR:HG21	1:44:A:SER:HB3	2	0.24
(2,897)	1:41:A:THR:HG22	1:44:A:SER:HB3	2	0.24
(2,897)	1:41:A:THR:HG23	1:44:A:SER:HB3	2	0.24
(2,897)	1:41:A:THR:HG21	1:44:A:SER:HB3	14	0.24
(2,897)	1:41:A:THR:HG22	1:44:A:SER:HB3	14	0.24
(2,897)	1:41:A:THR:HG23	1:44:A:SER:HB3	14	0.24
(2,896)	1:41:A:THR:HG21	1:42:A:PRO:HD2	4	0.24
(2,896)	1:41:A:THR:HG22	1:42:A:PRO:HD2	4	0.24
(2,896)	1:41:A:THR:HG23	1:42:A:PRO:HD2	4	0.24
(2,896)	1:41:A:THR:HG21	1:42:A:PRO:HD2	6	0.24
(2,896)	1:41:A:THR:HG22	1:42:A:PRO:HD2	6	0.24
(2,896)	1:41:A:THR:HG23	1:42:A:PRO:HD2	6	0.24
(2,894)	1:41:A:THR:HB	1:43:A:GLU:HB2	8	0.24
(2,889)	1:42:A:PRO:HD2	1:41:A:THR:HA	2	0.24
(2,889)	1:42:A:PRO:HD2	1:41:A:THR:HA	8	0.24
(2,876)	1:42:A:PRO:HB2	1:43:A:GLU:H	10	0.24
(2,870)	1:42:A:PRO:HG2	1:42:A:PRO:HA	1	0.24
(2,870)	1:42:A:PRO:HG2	1:42:A:PRO:HA	4	0.24
(2,870)	1:42:A:PRO:HG2	1:42:A:PRO:HA	6	0.24
(2,870)	1:42:A:PRO:HG2	1:42:A:PRO:HA	12	0.24
(2,870)	1:42:A:PRO:HG2	1:42:A:PRO:HA	16	0.24
(2,845)	1:37:A:LEU:HD11	1:36:A:VAL:H	9	0.24
(2,845)	1:37:A:LEU:HD12	1:36:A:VAL:H	9	0.24
(2,845)	1:37:A:LEU:HD13	1:36:A:VAL:H	9	0.24
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG21	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG22	16	0.24
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG23	16	0.24
(2,831)	1:37:A:LEU:HA	1:37:A:LEU:HB3	4	0.24
(2,831)	1:37:A:LEU:HA	1:37:A:LEU:HB3	15	0.24
(2,831)	1:37:A:LEU:HA	1:37:A:LEU:HB3	16	0.24
(2,827)	1:36:A:VAL:HG11	1:64:A:LEU:H	15	0.24
(2,827)	1:36:A:VAL:HG12	1:64:A:LEU:H	15	0.24
(2,827)	1:36:A:VAL:HG13	1:64:A:LEU:H	15	0.24
(2,823)	1:36:A:VAL:HG11	1:33:A:THR:HA	12	0.24
(2,823)	1:36:A:VAL:HG12	1:33:A:THR:HA	12	0.24
(2,823)	1:36:A:VAL:HG13	1:33:A:THR:HA	12	0.24
(2,785)	1:27:A:THR:HB	1:23:A:GLN:HB2	8	0.24
(2,785)	1:27:A:THR:HB	1:23:A:GLN:HB2	14	0.24
(2,716)	1:30:A:ALA:HB1	1:34:A:ALA:HA	2	0.24
(2,716)	1:30:A:ALA:HB2	1:34:A:ALA:HA	2	0.24
(2,716)	1:30:A:ALA:HB3	1:34:A:ALA:HA	2	0.24
(2,716)	1:30:A:ALA:HB1	1:34:A:ALA:HA	16	0.24
(2,716)	1:30:A:ALA:HB2	1:34:A:ALA:HA	16	0.24
(2,716)	1:30:A:ALA:HB3	1:34:A:ALA:HA	16	0.24
(2,571)	1:32:A:ALA:HA	1:34:A:ALA:H	1	0.24
(2,571)	1:32:A:ALA:HA	1:34:A:ALA:H	6	0.24
(2,571)	1:32:A:ALA:HA	1:34:A:ALA:H	16	0.24
(2,563)	1:28:A:LEU:HD11	1:29:A:VAL:HA	14	0.24
(2,563)	1:28:A:LEU:HD12	1:29:A:VAL:HA	14	0.24
(2,563)	1:28:A:LEU:HD13	1:29:A:VAL:HA	14	0.24
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD11	4	0.24
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD12	4	0.24
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD13	4	0.24
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD11	8	0.24
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD12	8	0.24
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD13	8	0.24
(2,533)	1:24:A:THR:HB	1:25:A:LEU:HB2	11	0.24
(2,483)	1:22:A:GLN:HG2	1:22:A:GLN:HB3	2	0.24
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD11	15	0.24
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD12	15	0.24
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD13	15	0.24
(2,471)	1:22:A:GLN:HA	1:25:A:LEU:HB3	9	0.24
(2,447)	1:20:A:GLN:HB3	1:20:A:GLN:HA	4	0.24
(2,447)	1:20:A:GLN:HB3	1:20:A:GLN:HA	7	0.24
(2,447)	1:20:A:GLN:HB3	1:20:A:GLN:HA	11	0.24
(2,447)	1:20:A:GLN:HB3	1:20:A:GLN:HA	16	0.24
(2,411)	1:19:A:GLN:HB3	1:19:A:GLN:H	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,402)	1:22:A:GLN:HB2	1:23:A:GLN:H	2	0.24
(2,402)	1:22:A:GLN:HB2	1:23:A:GLN:H	3	0.24
(2,402)	1:22:A:GLN:HB2	1:23:A:GLN:H	5	0.24
(2,388)	1:45:A:ILE:HA	1:46:A:SER:H	14	0.24
(2,385)	1:18:A:PRO:HB3	1:18:A:PRO:HB2	6	0.24
(2,377)	1:18:A:PRO:HA	1:18:A:PRO:HB3	6	0.24
(2,372)	1:18:A:PRO:HA	1:18:A:PRO:HD3	11	0.24
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD21	7	0.24
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD22	7	0.24
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD23	7	0.24
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD21	16	0.24
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD22	16	0.24
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD23	16	0.24
(2,298)	1:94:A:LEU:HB2	1:94:A:LEU:H	4	0.24
(2,298)	1:94:A:LEU:HB2	1:94:A:LEU:H	7	0.24
(2,298)	1:94:A:LEU:HB2	1:94:A:LEU:H	12	0.24
(2,298)	1:94:A:LEU:HB2	1:94:A:LEU:H	13	0.24
(2,279)	1:12:A:ARG:HD3	1:12:A:ARG:HA	7	0.24
(2,276)	1:12:A:ARG:HD3	1:9:A:LEU:HD11	3	0.24
(2,276)	1:12:A:ARG:HD3	1:9:A:LEU:HD12	3	0.24
(2,276)	1:12:A:ARG:HD3	1:9:A:LEU:HD13	3	0.24
(2,274)	1:12:A:ARG:HB2	1:12:A:ARG:HD3	15	0.24
(2,236)	1:31:A:ALA:HB1	1:42:A:PRO:HB2	11	0.24
(2,236)	1:31:A:ALA:HB2	1:42:A:PRO:HB2	11	0.24
(2,236)	1:31:A:ALA:HB3	1:42:A:PRO:HB2	11	0.24
(2,220)	1:13:A:LEU:HD21	1:10:A:ALA:HA	2	0.24
(2,220)	1:13:A:LEU:HD22	1:10:A:ALA:HA	2	0.24
(2,220)	1:13:A:LEU:HD23	1:10:A:ALA:HA	2	0.24
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG21	10	0.24
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG22	10	0.24
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG23	10	0.24
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG21	10	0.24
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG22	10	0.24
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG23	10	0.24
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG21	10	0.24
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG22	10	0.24
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG23	10	0.24
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD11	15	0.24
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD12	15	0.24
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD13	15	0.24
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD11	15	0.24
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD12	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD13	15	0.24
(2,31)	1:39:A:HIS:HD2	1:37:A:LEU:HB3	11	0.24
(2,24)	1:39:A:HIS:HD2	1:39:A:HIS:HB2	16	0.24
(2,22)	1:40:A:HIS:HD2	1:40:A:HIS:HB2	2	0.24
(2,18)	1:21:A:GLN:HB3	1:95:A:HIS:HD2	2	0.24
(2,17)	1:95:A:HIS:HD2	1:95:A:HIS:HB2	7	0.24
(2,17)	1:95:A:HIS:HD2	1:95:A:HIS:HB2	8	0.24
(1,561)	1:22:A:GLN:H	1:21:A:GLN:HB2	15	0.24
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD21	3	0.24
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD22	3	0.24
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD23	3	0.24
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD21	14	0.24
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD22	14	0.24
(1,560)	1:22:A:GLN:H	1:13:A:LEU:HD23	14	0.24
(1,532)	1:93:A:HIS:H	1:93:A:HIS:HD2	1	0.24
(1,532)	1:93:A:HIS:H	1:93:A:HIS:HD2	10	0.24
(1,478)	1:68:A:LEU:H	1:68:A:LEU:HB3	11	0.24
(1,443)	1:75:A:ASP:H	1:74:A:LEU:HB2	10	0.24
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD21	14	0.24
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD22	14	0.24
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD23	14	0.24
(1,342)	1:66:A:ASN:H	1:66:A:ASN:HB2	9	0.24
(1,309)	1:56:A:ILE:H	1:51:A:PHE:HB2	2	0.24
(1,309)	1:56:A:ILE:H	1:51:A:PHE:HB2	4	0.24
(1,309)	1:56:A:ILE:H	1:51:A:PHE:HB2	7	0.24
(1,309)	1:56:A:ILE:H	1:51:A:PHE:HB2	10	0.24
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD21	3	0.24
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD22	3	0.24
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD23	3	0.24
(1,286)	1:14:A:ASN:H	1:13:A:LEU:HB2	7	0.24
(1,286)	1:14:A:ASN:H	1:13:A:LEU:HB2	12	0.24
(1,275)	1:81:A:ILE:H	1:82:A:PHE:H	2	0.24
(1,275)	1:81:A:ILE:H	1:82:A:PHE:H	7	0.24
(1,275)	1:81:A:ILE:H	1:82:A:PHE:H	10	0.24
(1,275)	1:81:A:ILE:H	1:82:A:PHE:H	14	0.24
(1,275)	1:81:A:ILE:H	1:82:A:PHE:H	16	0.24
(1,258)	1:72:A:THR:H	1:71:A:ASN:HB2	11	0.24
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD21	3	0.24
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD22	3	0.24
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD23	3	0.24
(1,94)	1:71:A:ASN:HD22	1:68:A:LEU:HA	7	0.24
(1,80)	1:86:A:THR:H	1:85:A:PRO:HD2	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:60:A:THR:H	1:59:A:LEU:HB2	11	0.24
(1,38)	1:73:A:GLY:H	1:74:A:LEU:H	6	0.24
(1,34)	1:73:A:GLY:H	1:72:A:THR:H	5	0.24
(1,34)	1:73:A:GLY:H	1:72:A:THR:H	11	0.24
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB1	2	0.23
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB2	2	0.23
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB3	2	0.23
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB1	2	0.23
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB2	2	0.23
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB3	2	0.23
(2,1885)	1:13:A:LEU:HG	1:13:A:LEU:HA	3	0.23
(2,1881)	1:13:A:LEU:HG	1:9:A:LEU:HG	9	0.23
(2,1879)	1:90:A:LEU:HD11	1:90:A:LEU:H	15	0.23
(2,1879)	1:90:A:LEU:HD12	1:90:A:LEU:H	15	0.23
(2,1879)	1:90:A:LEU:HD13	1:90:A:LEU:H	15	0.23
(2,1868)	1:65:A:ARG:HD3	1:66:A:ASN:H	7	0.23
(2,1848)	1:95:A:HIS:HD2	1:22:A:GLN:H	4	0.23
(2,1844)	1:15:A:GLY:HA3	1:14:A:ASN:HB2	7	0.23
(2,1819)	1:5:A:ALA:HB1	1:8:A:ASP:HB2	5	0.23
(2,1819)	1:5:A:ALA:HB2	1:8:A:ASP:HB2	5	0.23
(2,1819)	1:5:A:ALA:HB3	1:8:A:ASP:HB2	5	0.23
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD21	1	0.23
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD22	1	0.23
(2,1791)	1:99:A:THR:HA	1:98:A:LEU:HD23	1	0.23
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD11	2	0.23
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD12	2	0.23
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD13	2	0.23
(2,1678)	1:90:A:LEU:HD21	1:90:A:LEU:HB2	13	0.23
(2,1678)	1:90:A:LEU:HD22	1:90:A:LEU:HB2	13	0.23
(2,1678)	1:90:A:LEU:HD23	1:90:A:LEU:HB2	13	0.23
(2,1668)	1:90:A:LEU:HA	1:94:A:LEU:HD11	7	0.23
(2,1668)	1:90:A:LEU:HA	1:94:A:LEU:HD12	7	0.23
(2,1668)	1:90:A:LEU:HA	1:94:A:LEU:HD13	7	0.23
(2,1663)	1:90:A:LEU:HA	1:84:A:HIS:HB3	5	0.23
(2,1650)	1:89:A:ALA:HB1	1:85:A:PRO:HD2	6	0.23
(2,1650)	1:89:A:ALA:HB2	1:85:A:PRO:HD2	6	0.23
(2,1650)	1:89:A:ALA:HB3	1:85:A:PRO:HD2	6	0.23
(2,1650)	1:89:A:ALA:HB1	1:85:A:PRO:HD2	12	0.23
(2,1650)	1:89:A:ALA:HB2	1:85:A:PRO:HD2	12	0.23
(2,1650)	1:89:A:ALA:HB3	1:85:A:PRO:HD2	12	0.23
(2,1630)	1:87:A:PRO:HD3	1:51:A:PHE:H	14	0.23
(2,1602)	1:86:A:THR:HB	1:88:A:HIS:H	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1598)	1:85:A:PRO:HG3	1:85:A:PRO:HG2	1	0.23
(2,1598)	1:85:A:PRO:HG3	1:85:A:PRO:HG2	2	0.23
(2,1598)	1:85:A:PRO:HG3	1:85:A:PRO:HG2	3	0.23
(2,1598)	1:85:A:PRO:HG3	1:85:A:PRO:HG2	4	0.23
(2,1598)	1:85:A:PRO:HG3	1:85:A:PRO:HG2	5	0.23
(2,1598)	1:85:A:PRO:HG3	1:85:A:PRO:HG2	6	0.23
(2,1598)	1:85:A:PRO:HG3	1:85:A:PRO:HG2	7	0.23
(2,1598)	1:85:A:PRO:HG3	1:85:A:PRO:HG2	8	0.23
(2,1598)	1:85:A:PRO:HG3	1:85:A:PRO:HG2	9	0.23
(2,1598)	1:85:A:PRO:HG3	1:85:A:PRO:HG2	10	0.23
(2,1598)	1:85:A:PRO:HG3	1:85:A:PRO:HG2	11	0.23
(2,1598)	1:85:A:PRO:HG3	1:85:A:PRO:HG2	12	0.23
(2,1598)	1:85:A:PRO:HG3	1:85:A:PRO:HG2	13	0.23
(2,1598)	1:85:A:PRO:HG3	1:85:A:PRO:HG2	14	0.23
(2,1598)	1:85:A:PRO:HG3	1:85:A:PRO:HG2	15	0.23
(2,1598)	1:85:A:PRO:HG3	1:85:A:PRO:HG2	16	0.23
(2,1569)	1:83:A:ASP:HB3	1:84:A:HIS:H	6	0.23
(2,1562)	1:82:A:PHE:HB2	1:82:A:PHE:H	2	0.23
(2,1562)	1:82:A:PHE:HB2	1:82:A:PHE:H	3	0.23
(2,1562)	1:82:A:PHE:HB2	1:82:A:PHE:H	14	0.23
(2,1548)	1:81:A:ILE:HG12	1:81:A:ILE:HB	2	0.23
(2,1548)	1:81:A:ILE:HG12	1:81:A:ILE:HB	3	0.23
(2,1548)	1:81:A:ILE:HG12	1:81:A:ILE:HB	6	0.23
(2,1548)	1:81:A:ILE:HG12	1:81:A:ILE:HB	7	0.23
(2,1548)	1:81:A:ILE:HG12	1:81:A:ILE:HB	12	0.23
(2,1542)	1:81:A:ILE:HA	1:84:A:HIS:H	9	0.23
(2,1540)	1:98:A:LEU:HB2	1:95:A:HIS:HA	10	0.23
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD21	11	0.23
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD22	11	0.23
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD23	11	0.23
(2,1523)	1:16:A:LEU:HB2	1:16:A:LEU:HA	2	0.23
(2,1523)	1:16:A:LEU:HB2	1:16:A:LEU:HA	8	0.23
(2,1523)	1:16:A:LEU:HB2	1:16:A:LEU:HA	12	0.23
(2,1506)	1:72:A:THR:HG21	1:68:A:LEU:HB2	13	0.23
(2,1506)	1:72:A:THR:HG22	1:68:A:LEU:HB2	13	0.23
(2,1506)	1:72:A:THR:HG23	1:68:A:LEU:HB2	13	0.23
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG21	15	0.23
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG22	15	0.23
(2,1488)	1:78:A:PRO:HB2	1:79:A:THR:HG23	15	0.23
(2,1453)	1:40:A:HIS:HA	1:40:A:HIS:HB2	11	0.23
(2,1444)	1:88:A:HIS:HB3	1:88:A:HIS:H	8	0.23
(2,1444)	1:88:A:HIS:HB3	1:88:A:HIS:H	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1426)	1:88:A:HIS:HD2	1:92:A:GLN:HG3	1	0.23
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG21	13	0.23
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG22	13	0.23
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG23	13	0.23
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG21	13	0.23
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG22	13	0.23
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG23	13	0.23
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG21	13	0.23
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG22	13	0.23
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG23	13	0.23
(2,1412)	1:56:A:ILE:HD11	1:33:A:THR:HB	11	0.23
(2,1412)	1:56:A:ILE:HD12	1:33:A:THR:HB	11	0.23
(2,1412)	1:56:A:ILE:HD13	1:33:A:THR:HB	11	0.23
(2,1412)	1:56:A:ILE:HD11	1:33:A:THR:HB	16	0.23
(2,1412)	1:56:A:ILE:HD12	1:33:A:THR:HB	16	0.23
(2,1412)	1:56:A:ILE:HD13	1:33:A:THR:HB	16	0.23
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD11	3	0.23
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD12	3	0.23
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD13	3	0.23
(2,1339)	1:69:A:THR:HA	1:74:A:LEU:HB2	6	0.23
(2,1334)	1:69:A:THR:HA	1:74:A:LEU:H	11	0.23
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD11	10	0.23
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD12	10	0.23
(2,1323)	1:68:A:LEU:HG	1:64:A:LEU:HD13	10	0.23
(2,1301)	1:66:A:ASN:HB2	1:65:A:ARG:H	3	0.23
(2,1299)	1:66:A:ASN:HB2	1:67:A:THR:H	8	0.23
(2,1299)	1:66:A:ASN:HB2	1:67:A:THR:H	14	0.23
(2,1293)	1:66:A:ASN:HA	1:65:A:ARG:H	13	0.23
(2,1293)	1:66:A:ASN:HA	1:65:A:ARG:H	15	0.23
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	5	0.23
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD12	5	0.23
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD13	5	0.23
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD21	1	0.23
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD22	1	0.23
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD23	1	0.23
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD21	7	0.23
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD22	7	0.23
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD23	7	0.23
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD21	9	0.23
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD22	9	0.23
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD23	9	0.23
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG21	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG22	6	0.23
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG23	6	0.23
(2,1195)	1:63:A:GLU:HB2	1:63:A:GLU:HB3	8	0.23
(2,1185)	1:62:A:LEU:HB2	1:62:A:LEU:H	7	0.23
(2,1133)	1:58:A:SER:HB3	1:59:A:LEU:HG	5	0.23
(2,1011)	1:75:A:ASP:HA	1:74:A:LEU:HG	9	0.23
(2,1007)	1:39:A:HIS:HA	1:39:A:HIS:HD2	7	0.23
(2,1007)	1:39:A:HIS:HA	1:39:A:HIS:HD2	15	0.23
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD11	9	0.23
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD12	9	0.23
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD13	9	0.23
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD11	9	0.23
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD12	9	0.23
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD13	9	0.23
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD11	9	0.23
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD12	9	0.23
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD13	9	0.23
(2,900)	1:41:A:THR:HG21	1:43:A:GLU:HB3	12	0.23
(2,900)	1:41:A:THR:HG22	1:43:A:GLU:HB3	12	0.23
(2,900)	1:41:A:THR:HG23	1:43:A:GLU:HB3	12	0.23
(2,897)	1:41:A:THR:HG21	1:44:A:SER:HB3	7	0.23
(2,897)	1:41:A:THR:HG22	1:44:A:SER:HB3	7	0.23
(2,897)	1:41:A:THR:HG23	1:44:A:SER:HB3	7	0.23
(2,897)	1:41:A:THR:HG21	1:44:A:SER:HB3	13	0.23
(2,897)	1:41:A:THR:HG22	1:44:A:SER:HB3	13	0.23
(2,897)	1:41:A:THR:HG23	1:44:A:SER:HB3	13	0.23
(2,889)	1:42:A:PRO:HD2	1:41:A:THR:HA	9	0.23
(2,872)	1:42:A:PRO:HA	1:30:A:ALA:HB1	2	0.23
(2,872)	1:42:A:PRO:HA	1:30:A:ALA:HB2	2	0.23
(2,872)	1:42:A:PRO:HA	1:30:A:ALA:HB3	2	0.23
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG21	5	0.23
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG22	5	0.23
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG23	5	0.23
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG21	5	0.23
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG22	5	0.23
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG23	5	0.23
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG21	5	0.23
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG22	5	0.23
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG23	5	0.23
(2,832)	1:37:A:LEU:HB2	1:37:A:LEU:H	1	0.23
(2,832)	1:37:A:LEU:HB2	1:37:A:LEU:H	11	0.23
(2,832)	1:37:A:LEU:HB2	1:37:A:LEU:H	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,831)	1:37:A:LEU:HA	1:37:A:LEU:HB3	2	0.23
(2,831)	1:37:A:LEU:HA	1:37:A:LEU:HB3	5	0.23
(2,831)	1:37:A:LEU:HA	1:37:A:LEU:HB3	6	0.23
(2,831)	1:37:A:LEU:HA	1:37:A:LEU:HB3	9	0.23
(2,827)	1:36:A:VAL:HG11	1:64:A:LEU:H	14	0.23
(2,827)	1:36:A:VAL:HG12	1:64:A:LEU:H	14	0.23
(2,827)	1:36:A:VAL:HG13	1:64:A:LEU:H	14	0.23
(2,823)	1:36:A:VAL:HG11	1:33:A:THR:HA	7	0.23
(2,823)	1:36:A:VAL:HG12	1:33:A:THR:HA	7	0.23
(2,823)	1:36:A:VAL:HG13	1:33:A:THR:HA	7	0.23
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB1	9	0.23
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB2	9	0.23
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB3	9	0.23
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB1	16	0.23
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB2	16	0.23
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB3	16	0.23
(2,716)	1:30:A:ALA:HB1	1:34:A:ALA:HA	12	0.23
(2,716)	1:30:A:ALA:HB2	1:34:A:ALA:HA	12	0.23
(2,716)	1:30:A:ALA:HB3	1:34:A:ALA:HA	12	0.23
(2,563)	1:28:A:LEU:HD11	1:29:A:VAL:HA	9	0.23
(2,563)	1:28:A:LEU:HD12	1:29:A:VAL:HA	9	0.23
(2,563)	1:28:A:LEU:HD13	1:29:A:VAL:HA	9	0.23
(2,563)	1:28:A:LEU:HD11	1:29:A:VAL:HA	10	0.23
(2,563)	1:28:A:LEU:HD12	1:29:A:VAL:HA	10	0.23
(2,563)	1:28:A:LEU:HD13	1:29:A:VAL:HA	10	0.23
(2,533)	1:24:A:THR:HB	1:25:A:LEU:HB2	4	0.23
(2,533)	1:24:A:THR:HB	1:25:A:LEU:HB2	10	0.23
(2,528)	1:35:A:THR:HB	1:35:A:THR:H	13	0.23
(2,511)	1:23:A:GLN:HG3	1:20:A:GLN:HA	7	0.23
(2,511)	1:23:A:GLN:HG3	1:20:A:GLN:HA	8	0.23
(2,483)	1:22:A:GLN:HG2	1:22:A:GLN:HB3	3	0.23
(2,477)	1:25:A:LEU:HG	1:25:A:LEU:H	7	0.23
(2,458)	1:20:A:GLN:HB3	1:16:A:LEU:HB3	14	0.23
(2,433)	1:21:A:GLN:HG2	1:21:A:GLN:HA	4	0.23
(2,411)	1:19:A:GLN:HB3	1:19:A:GLN:H	14	0.23
(2,388)	1:45:A:ILE:HA	1:46:A:SER:H	4	0.23
(2,388)	1:45:A:ILE:HA	1:46:A:SER:H	6	0.23
(2,385)	1:18:A:PRO:HB3	1:18:A:PRO:HB2	1	0.23
(2,385)	1:18:A:PRO:HB3	1:18:A:PRO:HB2	2	0.23
(2,385)	1:18:A:PRO:HB3	1:18:A:PRO:HB2	3	0.23
(2,385)	1:18:A:PRO:HB3	1:18:A:PRO:HB2	4	0.23
(2,385)	1:18:A:PRO:HB3	1:18:A:PRO:HB2	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,385)	1:18:A:PRO:HB3	1:18:A:PRO:HB2	7	0.23
(2,385)	1:18:A:PRO:HB3	1:18:A:PRO:HB2	8	0.23
(2,385)	1:18:A:PRO:HB3	1:18:A:PRO:HB2	9	0.23
(2,385)	1:18:A:PRO:HB3	1:18:A:PRO:HB2	10	0.23
(2,385)	1:18:A:PRO:HB3	1:18:A:PRO:HB2	11	0.23
(2,385)	1:18:A:PRO:HB3	1:18:A:PRO:HB2	12	0.23
(2,385)	1:18:A:PRO:HB3	1:18:A:PRO:HB2	13	0.23
(2,385)	1:18:A:PRO:HB3	1:18:A:PRO:HB2	14	0.23
(2,385)	1:18:A:PRO:HB3	1:18:A:PRO:HB2	15	0.23
(2,385)	1:18:A:PRO:HB3	1:18:A:PRO:HB2	16	0.23
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD21	5	0.23
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD22	5	0.23
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD23	5	0.23
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD21	13	0.23
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD22	13	0.23
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD23	13	0.23
(2,298)	1:94:A:LEU:HB2	1:94:A:LEU:H	1	0.23
(2,298)	1:94:A:LEU:HB2	1:94:A:LEU:H	5	0.23
(2,298)	1:94:A:LEU:HB2	1:94:A:LEU:H	10	0.23
(2,298)	1:94:A:LEU:HB2	1:94:A:LEU:H	16	0.23
(2,279)	1:12:A:ARG:HD3	1:12:A:ARG:HA	16	0.23
(2,269)	1:12:A:ARG:HG2	1:13:A:LEU:H	10	0.23
(2,269)	1:12:A:ARG:HG2	1:13:A:LEU:H	13	0.23
(2,220)	1:13:A:LEU:HD21	1:10:A:ALA:HA	10	0.23
(2,220)	1:13:A:LEU:HD22	1:10:A:ALA:HA	10	0.23
(2,220)	1:13:A:LEU:HD23	1:10:A:ALA:HA	10	0.23
(2,220)	1:13:A:LEU:HD21	1:10:A:ALA:HA	16	0.23
(2,220)	1:13:A:LEU:HD22	1:10:A:ALA:HA	16	0.23
(2,220)	1:13:A:LEU:HD23	1:10:A:ALA:HA	16	0.23
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB1	16	0.23
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB2	16	0.23
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB3	16	0.23
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG21	1	0.23
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG22	1	0.23
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG23	1	0.23
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG21	1	0.23
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG22	1	0.23
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG23	1	0.23
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG21	1	0.23
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG22	1	0.23
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG23	1	0.23
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG21	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG22	3	0.23
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG23	3	0.23
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG21	3	0.23
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG22	3	0.23
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG23	3	0.23
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG21	3	0.23
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG22	3	0.23
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG23	3	0.23
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG21	4	0.23
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG22	4	0.23
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG23	4	0.23
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG21	4	0.23
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG22	4	0.23
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG23	4	0.23
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG21	4	0.23
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG22	4	0.23
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG23	4	0.23
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD11	12	0.23
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD12	12	0.23
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD13	12	0.23
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD11	12	0.23
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD12	12	0.23
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD13	12	0.23
(2,33)	1:84:A:HIS:HB2	1:84:A:HIS:HD2	6	0.23
(2,31)	1:39:A:HIS:HD2	1:37:A:LEU:HB3	9	0.23
(2,31)	1:39:A:HIS:HD2	1:37:A:LEU:HB3	15	0.23
(2,18)	1:21:A:GLN:HB3	1:95:A:HIS:HD2	5	0.23
(1,566)	1:98:A:LEU:H	1:98:A:LEU:HB3	15	0.23
(1,516)	1:82:A:PHE:H	1:82:A:PHE:HB2	2	0.23
(1,516)	1:82:A:PHE:H	1:82:A:PHE:HB2	3	0.23
(1,516)	1:82:A:PHE:H	1:82:A:PHE:HB2	14	0.23
(1,445)	1:3:A:ALA:H	1:3:A:ALA:HA	7	0.23
(1,409)	1:4:A:SER:H	1:4:A:SER:HB2	4	0.23
(1,350)	1:17:A:SER:H	1:16:A:LEU:HB3	13	0.23
(1,309)	1:56:A:ILE:H	1:51:A:PHE:HB2	14	0.23
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD21	9	0.23
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD22	9	0.23
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD23	9	0.23
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD21	10	0.23
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD22	10	0.23
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD23	10	0.23
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD21	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD22	13	0.23
(1,287)	1:14:A:ASN:H	1:13:A:LEU:HD23	13	0.23
(1,275)	1:81:A:ILE:H	1:82:A:PHE:H	6	0.23
(1,275)	1:81:A:ILE:H	1:82:A:PHE:H	8	0.23
(1,275)	1:81:A:ILE:H	1:82:A:PHE:H	12	0.23
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG21	12	0.23
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG22	12	0.23
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG23	12	0.23
(1,134)	1:26:A:ALA:H	1:25:A:LEU:HB2	12	0.23
(1,89)	1:71:A:ASN:HD21	1:71:A:ASN:HB3	13	0.23
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD11	15	0.23
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD12	15	0.23
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD13	15	0.23
(1,74)	1:89:A:ALA:H	1:88:A:HIS:H	1	0.23
(1,34)	1:73:A:GLY:H	1:72:A:THR:H	7	0.23
(1,29)	1:62:A:LEU:H	1:61:A:ALA:H	9	0.23
(1,25)	1:83:A:ASP:H	1:84:A:HIS:H	11	0.23
(1,1)	1:57:A:ASP:H	1:60:A:THR:H	1	0.23
(2,1898)	1:30:A:ALA:HB1	1:42:A:PRO:HB3	14	0.22
(2,1898)	1:30:A:ALA:HB2	1:42:A:PRO:HB3	14	0.22
(2,1898)	1:30:A:ALA:HB3	1:42:A:PRO:HB3	14	0.22
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB1	10	0.22
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB2	10	0.22
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB3	10	0.22
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB1	10	0.22
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB2	10	0.22
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB3	10	0.22
(2,1885)	1:13:A:LEU:HG	1:13:A:LEU:HA	5	0.22
(2,1885)	1:13:A:LEU:HG	1:13:A:LEU:HA	10	0.22
(2,1885)	1:13:A:LEU:HG	1:13:A:LEU:HA	15	0.22
(2,1879)	1:90:A:LEU:HD11	1:90:A:LEU:H	11	0.22
(2,1879)	1:90:A:LEU:HD12	1:90:A:LEU:H	11	0.22
(2,1879)	1:90:A:LEU:HD13	1:90:A:LEU:H	11	0.22
(2,1879)	1:90:A:LEU:HD11	1:90:A:LEU:H	16	0.22
(2,1879)	1:90:A:LEU:HD12	1:90:A:LEU:H	16	0.22
(2,1879)	1:90:A:LEU:HD13	1:90:A:LEU:H	16	0.22
(2,1850)	1:70:A:HIS:HD2	1:70:A:HIS:HB3	12	0.22
(2,1803)	1:100:A:GLN:HB2	1:100:A:GLN:H	9	0.22
(2,1789)	1:99:A:THR:HA	1:98:A:LEU:H	14	0.22
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD11	8	0.22
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD12	8	0.22
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD13	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1726)	1:92:A:GLN:HG2	1:91:A:THR:HG21	9	0.22
(2,1726)	1:92:A:GLN:HG2	1:91:A:THR:HG22	9	0.22
(2,1726)	1:92:A:GLN:HG2	1:91:A:THR:HG23	9	0.22
(2,1714)	1:92:A:GLN:HG2	1:92:A:GLN:HA	11	0.22
(2,1678)	1:90:A:LEU:HD21	1:90:A:LEU:HB2	15	0.22
(2,1678)	1:90:A:LEU:HD22	1:90:A:LEU:HB2	15	0.22
(2,1678)	1:90:A:LEU:HD23	1:90:A:LEU:HB2	15	0.22
(2,1678)	1:90:A:LEU:HD21	1:90:A:LEU:HB2	16	0.22
(2,1678)	1:90:A:LEU:HD22	1:90:A:LEU:HB2	16	0.22
(2,1678)	1:90:A:LEU:HD23	1:90:A:LEU:HB2	16	0.22
(2,1656)	1:89:A:ALA:HB1	1:51:A:PHE:HE1	9	0.22
(2,1656)	1:89:A:ALA:HB1	1:51:A:PHE:HE2	9	0.22
(2,1656)	1:89:A:ALA:HB2	1:51:A:PHE:HE1	9	0.22
(2,1656)	1:89:A:ALA:HB2	1:51:A:PHE:HE2	9	0.22
(2,1656)	1:89:A:ALA:HB3	1:51:A:PHE:HE1	9	0.22
(2,1656)	1:89:A:ALA:HB3	1:51:A:PHE:HE2	9	0.22
(2,1569)	1:83:A:ASP:HB3	1:84:A:HIS:H	11	0.22
(2,1562)	1:82:A:PHE:HB2	1:82:A:PHE:H	5	0.22
(2,1560)	1:82:A:PHE:HB2	1:83:A:ASP:H	4	0.22
(2,1548)	1:81:A:ILE:HG12	1:81:A:ILE:HB	5	0.22
(2,1548)	1:81:A:ILE:HG12	1:81:A:ILE:HB	10	0.22
(2,1548)	1:81:A:ILE:HG12	1:81:A:ILE:HB	11	0.22
(2,1548)	1:81:A:ILE:HG12	1:81:A:ILE:HB	13	0.22
(2,1548)	1:81:A:ILE:HG12	1:81:A:ILE:HB	14	0.22
(2,1548)	1:81:A:ILE:HG12	1:81:A:ILE:HB	15	0.22
(2,1544)	1:81:A:ILE:HA	1:84:A:HIS:HB2	8	0.22
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD1	4	0.22
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD2	4	0.22
(2,1540)	1:98:A:LEU:HB2	1:95:A:HIS:HA	3	0.22
(2,1523)	1:16:A:LEU:HB2	1:16:A:LEU:HA	1	0.22
(2,1523)	1:16:A:LEU:HB2	1:16:A:LEU:HA	4	0.22
(2,1523)	1:16:A:LEU:HB2	1:16:A:LEU:HA	5	0.22
(2,1523)	1:16:A:LEU:HB2	1:16:A:LEU:HA	7	0.22
(2,1523)	1:16:A:LEU:HB2	1:16:A:LEU:HA	10	0.22
(2,1523)	1:16:A:LEU:HB2	1:16:A:LEU:HA	13	0.22
(2,1523)	1:16:A:LEU:HB2	1:16:A:LEU:HA	14	0.22
(2,1523)	1:16:A:LEU:HB2	1:16:A:LEU:HA	15	0.22
(2,1523)	1:16:A:LEU:HB2	1:16:A:LEU:HA	16	0.22
(2,1481)	1:78:A:PRO:HA	1:80:A:LEU:H	9	0.22
(2,1445)	1:88:A:HIS:HB2	1:88:A:HIS:H	4	0.22
(2,1445)	1:88:A:HIS:HB2	1:88:A:HIS:H	11	0.22
(2,1445)	1:88:A:HIS:HB2	1:88:A:HIS:H	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG21	4	0.22
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG22	4	0.22
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG23	4	0.22
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG21	4	0.22
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG22	4	0.22
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG23	4	0.22
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG21	4	0.22
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG22	4	0.22
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG23	4	0.22
(2,1402)	1:45:A:ILE:HD11	1:44:A:SER:HB3	14	0.22
(2,1402)	1:45:A:ILE:HD12	1:44:A:SER:HB3	14	0.22
(2,1402)	1:45:A:ILE:HD13	1:44:A:SER:HB3	14	0.22
(2,1402)	1:45:A:ILE:HD11	1:44:A:SER:HB3	16	0.22
(2,1402)	1:45:A:ILE:HD12	1:44:A:SER:HB3	16	0.22
(2,1402)	1:45:A:ILE:HD13	1:44:A:SER:HB3	16	0.22
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD11	5	0.22
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD12	5	0.22
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD13	5	0.22
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD11	10	0.22
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD12	10	0.22
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD13	10	0.22
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD21	13	0.22
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD22	13	0.22
(2,1377)	1:97:A:ARG:HB2	1:74:A:LEU:HD23	13	0.22
(2,1301)	1:66:A:ASN:HB2	1:65:A:ARG:H	13	0.22
(2,1299)	1:66:A:ASN:HB2	1:67:A:THR:H	15	0.22
(2,1293)	1:66:A:ASN:HA	1:65:A:ARG:H	7	0.22
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD21	5	0.22
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD22	5	0.22
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD23	5	0.22
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD21	2	0.22
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD22	2	0.22
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD23	2	0.22
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD21	11	0.22
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD22	11	0.22
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD23	11	0.22
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD21	12	0.22
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD22	12	0.22
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD23	12	0.22
(2,1188)	1:62:A:LEU:HB3	1:63:A:GLU:H	3	0.22
(2,1185)	1:62:A:LEU:HB2	1:62:A:LEU:H	16	0.22
(2,1171)	1:61:A:ALA:HB1	1:64:A:LEU:HB3	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1171)	1:61:A:ALA:HB2	1:64:A:LEU:HB3	2	0.22
(2,1171)	1:61:A:ALA:HB3	1:64:A:LEU:HB3	2	0.22
(2,1171)	1:61:A:ALA:HB1	1:64:A:LEU:HB3	10	0.22
(2,1171)	1:61:A:ALA:HB2	1:64:A:LEU:HB3	10	0.22
(2,1171)	1:61:A:ALA:HB3	1:64:A:LEU:HB3	10	0.22
(2,1171)	1:61:A:ALA:HB1	1:64:A:LEU:HB3	14	0.22
(2,1171)	1:61:A:ALA:HB2	1:64:A:LEU:HB3	14	0.22
(2,1171)	1:61:A:ALA:HB3	1:64:A:LEU:HB3	14	0.22
(2,1135)	1:59:A:LEU:HA	1:58:A:SER:HA	4	0.22
(2,1135)	1:59:A:LEU:HA	1:58:A:SER:HA	7	0.22
(2,1135)	1:59:A:LEU:HA	1:58:A:SER:HA	8	0.22
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD21	12	0.22
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD22	12	0.22
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD23	12	0.22
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD21	13	0.22
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD22	13	0.22
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD23	13	0.22
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD11	8	0.22
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD12	8	0.22
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD13	8	0.22
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD11	8	0.22
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD12	8	0.22
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD13	8	0.22
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD11	8	0.22
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD12	8	0.22
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD13	8	0.22
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD11	12	0.22
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD12	12	0.22
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD13	12	0.22
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD11	12	0.22
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD12	12	0.22
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD13	12	0.22
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD11	12	0.22
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD12	12	0.22
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD13	12	0.22
(2,976)	1:49:A:THR:HB	1:50:A:ALA:H	7	0.22
(2,976)	1:49:A:THR:HB	1:50:A:ALA:H	10	0.22
(2,976)	1:49:A:THR:HB	1:50:A:ALA:H	14	0.22
(2,963)	1:93:A:HIS:HB2	1:93:A:HIS:HA	2	0.22
(2,963)	1:93:A:HIS:HB2	1:93:A:HIS:HA	3	0.22
(2,963)	1:93:A:HIS:HB2	1:93:A:HIS:HA	4	0.22
(2,963)	1:93:A:HIS:HB2	1:93:A:HIS:HA	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,963)	1:93:A:HIS:HB2	1:93:A:HIS:HA	12	0.22
(2,963)	1:93:A:HIS:HB2	1:93:A:HIS:HA	13	0.22
(2,963)	1:93:A:HIS:HB2	1:93:A:HIS:HA	16	0.22
(2,960)	1:47:A:PRO:HD2	1:46:A:SER:HB3	1	0.22
(2,901)	1:41:A:THR:HG21	1:40:A:HIS:HD2	1	0.22
(2,901)	1:41:A:THR:HG22	1:40:A:HIS:HD2	1	0.22
(2,901)	1:41:A:THR:HG23	1:40:A:HIS:HD2	1	0.22
(2,876)	1:42:A:PRO:HB2	1:43:A:GLU:H	5	0.22
(2,876)	1:42:A:PRO:HB2	1:43:A:GLU:H	6	0.22
(2,870)	1:42:A:PRO:HG2	1:42:A:PRO:HA	5	0.22
(2,857)	1:37:A:LEU:HD21	1:54:A:LEU:H	2	0.22
(2,857)	1:37:A:LEU:HD22	1:54:A:LEU:H	2	0.22
(2,857)	1:37:A:LEU:HD23	1:54:A:LEU:H	2	0.22
(2,857)	1:37:A:LEU:HD21	1:54:A:LEU:H	12	0.22
(2,857)	1:37:A:LEU:HD22	1:54:A:LEU:H	12	0.22
(2,857)	1:37:A:LEU:HD23	1:54:A:LEU:H	12	0.22
(2,849)	1:74:A:LEU:HD21	1:74:A:LEU:H	5	0.22
(2,849)	1:74:A:LEU:HD22	1:74:A:LEU:H	5	0.22
(2,849)	1:74:A:LEU:HD23	1:74:A:LEU:H	5	0.22
(2,849)	1:74:A:LEU:HD21	1:74:A:LEU:H	8	0.22
(2,849)	1:74:A:LEU:HD22	1:74:A:LEU:H	8	0.22
(2,849)	1:74:A:LEU:HD23	1:74:A:LEU:H	8	0.22
(2,849)	1:74:A:LEU:HD21	1:74:A:LEU:H	14	0.22
(2,849)	1:74:A:LEU:HD22	1:74:A:LEU:H	14	0.22
(2,849)	1:74:A:LEU:HD23	1:74:A:LEU:H	14	0.22
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG21	11	0.22
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG22	11	0.22
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG23	11	0.22
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG21	11	0.22
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG22	11	0.22
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG23	11	0.22
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG21	11	0.22
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG22	11	0.22
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG23	11	0.22
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG21	3	0.22
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG22	3	0.22
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG23	3	0.22
(2,832)	1:37:A:LEU:HB2	1:37:A:LEU:H	12	0.22
(2,831)	1:37:A:LEU:HA	1:37:A:LEU:HB3	3	0.22
(2,823)	1:36:A:VAL:HG11	1:33:A:THR:HA	2	0.22
(2,823)	1:36:A:VAL:HG12	1:33:A:THR:HA	2	0.22
(2,823)	1:36:A:VAL:HG13	1:33:A:THR:HA	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,785)	1:27:A:THR:HB	1:23:A:GLN:HB2	3	0.22
(2,785)	1:27:A:THR:HB	1:23:A:GLN:HB2	7	0.22
(2,785)	1:27:A:THR:HB	1:23:A:GLN:HB2	11	0.22
(2,716)	1:30:A:ALA:HB1	1:34:A:ALA:HA	5	0.22
(2,716)	1:30:A:ALA:HB2	1:34:A:ALA:HA	5	0.22
(2,716)	1:30:A:ALA:HB3	1:34:A:ALA:HA	5	0.22
(2,716)	1:30:A:ALA:HB1	1:34:A:ALA:HA	6	0.22
(2,716)	1:30:A:ALA:HB2	1:34:A:ALA:HA	6	0.22
(2,716)	1:30:A:ALA:HB3	1:34:A:ALA:HA	6	0.22
(2,682)	1:62:A:LEU:HD11	1:78:A:PRO:HB2	1	0.22
(2,682)	1:62:A:LEU:HD12	1:78:A:PRO:HB2	1	0.22
(2,682)	1:62:A:LEU:HD13	1:78:A:PRO:HB2	1	0.22
(2,612)	1:28:A:LEU:HA	1:28:A:LEU:HB2	11	0.22
(2,612)	1:28:A:LEU:HA	1:28:A:LEU:HB2	13	0.22
(2,571)	1:32:A:ALA:HA	1:34:A:ALA:H	12	0.22
(2,571)	1:32:A:ALA:HA	1:34:A:ALA:H	14	0.22
(2,533)	1:24:A:THR:HB	1:25:A:LEU:HB2	16	0.22
(2,528)	1:35:A:THR:HB	1:35:A:THR:H	3	0.22
(2,528)	1:35:A:THR:HB	1:35:A:THR:H	4	0.22
(2,528)	1:35:A:THR:HB	1:35:A:THR:H	7	0.22
(2,528)	1:35:A:THR:HB	1:35:A:THR:H	15	0.22
(2,525)	1:96:A:THR:HB	1:96:A:THR:H	3	0.22
(2,525)	1:96:A:THR:HB	1:96:A:THR:H	9	0.22
(2,525)	1:96:A:THR:HB	1:96:A:THR:H	15	0.22
(2,506)	1:23:A:GLN:HB2	1:24:A:THR:H	2	0.22
(2,492)	1:22:A:GLN:HG2	1:19:A:GLN:HA	4	0.22
(2,483)	1:22:A:GLN:HG2	1:22:A:GLN:HB3	9	0.22
(2,477)	1:25:A:LEU:HG	1:25:A:LEU:H	6	0.22
(2,458)	1:20:A:GLN:HB3	1:16:A:LEU:HB3	10	0.22
(2,458)	1:20:A:GLN:HB3	1:16:A:LEU:HB3	16	0.22
(2,435)	1:21:A:GLN:HA	1:20:A:GLN:HA	14	0.22
(2,411)	1:19:A:GLN:HB3	1:19:A:GLN:H	9	0.22
(2,403)	1:19:A:GLN:HG2	1:20:A:GLN:H	2	0.22
(2,401)	1:22:A:GLN:HB3	1:23:A:GLN:H	1	0.22
(2,388)	1:45:A:ILE:HA	1:46:A:SER:H	12	0.22
(2,388)	1:45:A:ILE:HA	1:46:A:SER:H	13	0.22
(2,383)	1:18:A:PRO:HB3	1:18:A:PRO:HG3	11	0.22
(2,361)	1:16:A:LEU:HD21	1:17:A:SER:H	7	0.22
(2,361)	1:16:A:LEU:HD22	1:17:A:SER:H	7	0.22
(2,361)	1:16:A:LEU:HD23	1:17:A:SER:H	7	0.22
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD21	2	0.22
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD22	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD23	2	0.22
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD21	6	0.22
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD22	6	0.22
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD23	6	0.22
(2,298)	1:94:A:LEU:HB2	1:94:A:LEU:H	9	0.22
(2,279)	1:12:A:ARG:HD3	1:12:A:ARG:HA	12	0.22
(2,269)	1:12:A:ARG:HG2	1:13:A:LEU:H	11	0.22
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD11	12	0.22
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD12	12	0.22
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD13	12	0.22
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD11	12	0.22
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD12	12	0.22
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD13	12	0.22
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD11	12	0.22
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD12	12	0.22
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD13	12	0.22
(2,236)	1:31:A:ALA:HB1	1:42:A:PRO:HB2	3	0.22
(2,236)	1:31:A:ALA:HB2	1:42:A:PRO:HB2	3	0.22
(2,236)	1:31:A:ALA:HB3	1:42:A:PRO:HB2	3	0.22
(2,201)	1:6:A:ALA:HA	1:9:A:LEU:HB3	7	0.22
(2,198)	1:9:A:LEU:HB2	1:98:A:LEU:HD21	4	0.22
(2,198)	1:9:A:LEU:HB2	1:98:A:LEU:HD22	4	0.22
(2,198)	1:9:A:LEU:HB2	1:98:A:LEU:HD23	4	0.22
(2,198)	1:9:A:LEU:HB2	1:98:A:LEU:HD21	12	0.22
(2,198)	1:9:A:LEU:HB2	1:98:A:LEU:HD22	12	0.22
(2,198)	1:9:A:LEU:HB2	1:98:A:LEU:HD23	12	0.22
(2,156)	1:71:A:ASN:HA	1:71:A:ASN:HD22	9	0.22
(2,111)	1:6:A:ALA:HB1	1:4:A:SER:HB3	16	0.22
(2,111)	1:6:A:ALA:HB2	1:4:A:SER:HB3	16	0.22
(2,111)	1:6:A:ALA:HB3	1:4:A:SER:HB3	16	0.22
(2,96)	1:4:A:SER:HB3	1:7:A:THR:HB	2	0.22
(2,71)	1:81:A:ILE:HD11	1:81:A:ILE:HA	2	0.22
(2,71)	1:81:A:ILE:HD12	1:81:A:ILE:HA	2	0.22
(2,71)	1:81:A:ILE:HD13	1:81:A:ILE:HA	2	0.22
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD11	3	0.22
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD12	3	0.22
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD13	3	0.22
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD11	3	0.22
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD12	3	0.22
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD13	3	0.22
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD11	13	0.22
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD12	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD13	13	0.22
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD11	13	0.22
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD12	13	0.22
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD13	13	0.22
(2,52)	1:51:A:PHE:HD1	1:85:A:PRO:HA	8	0.22
(2,52)	1:51:A:PHE:HD2	1:85:A:PRO:HA	8	0.22
(2,52)	1:51:A:PHE:HD1	1:85:A:PRO:HA	13	0.22
(2,52)	1:51:A:PHE:HD2	1:85:A:PRO:HA	13	0.22
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD1	16	0.22
(2,47)	1:64:A:LEU:HD11	1:51:A:PHE:HD2	16	0.22
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD1	16	0.22
(2,47)	1:64:A:LEU:HD12	1:51:A:PHE:HD2	16	0.22
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD1	16	0.22
(2,47)	1:64:A:LEU:HD13	1:51:A:PHE:HD2	16	0.22
(2,33)	1:84:A:HIS:HB2	1:84:A:HIS:HD2	4	0.22
(2,18)	1:21:A:GLN:HB3	1:95:A:HIS:HD2	1	0.22
(2,18)	1:21:A:GLN:HB3	1:95:A:HIS:HD2	3	0.22
(2,18)	1:21:A:GLN:HB3	1:95:A:HIS:HD2	4	0.22
(2,17)	1:95:A:HIS:HD2	1:95:A:HIS:HB2	3	0.22
(2,17)	1:95:A:HIS:HD2	1:95:A:HIS:HB2	9	0.22
(2,7)	1:9:A:LEU:HD11	1:71:A:ASN:HA	6	0.22
(2,7)	1:9:A:LEU:HD12	1:71:A:ASN:HA	6	0.22
(2,7)	1:9:A:LEU:HD13	1:71:A:ASN:HA	6	0.22
(1,602)	1:57:A:ASP:H	1:57:A:ASP:HB3	16	0.22
(1,566)	1:98:A:LEU:H	1:98:A:LEU:HB3	10	0.22
(1,532)	1:93:A:HIS:H	1:93:A:HIS:HD2	8	0.22
(1,516)	1:82:A:PHE:H	1:82:A:PHE:HB2	5	0.22
(1,445)	1:3:A:ALA:H	1:3:A:ALA:HA	10	0.22
(1,445)	1:3:A:ALA:H	1:3:A:ALA:HA	14	0.22
(1,443)	1:75:A:ASP:H	1:74:A:LEU:HB2	16	0.22
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD21	8	0.22
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD22	8	0.22
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD23	8	0.22
(1,342)	1:66:A:ASN:H	1:66:A:ASN:HB2	1	0.22
(1,286)	1:14:A:ASN:H	1:13:A:LEU:HB2	6	0.22
(1,286)	1:14:A:ASN:H	1:13:A:LEU:HB2	15	0.22
(1,275)	1:81:A:ILE:H	1:82:A:PHE:H	4	0.22
(1,248)	1:99:A:THR:H	1:98:A:LEU:HB3	3	0.22
(1,239)	1:45:A:ILE:H	1:45:A:ILE:HG13	6	0.22
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG21	16	0.22
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG22	16	0.22
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG23	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,134)	1:26:A:ALA:H	1:25:A:LEU:HB2	9	0.22
(1,134)	1:26:A:ALA:H	1:25:A:LEU:HB2	16	0.22
(1,110)	1:52:A:LYS:H	1:52:A:LYS:HG3	4	0.22
(1,110)	1:52:A:LYS:H	1:52:A:LYS:HG3	5	0.22
(1,95)	1:71:A:ASN:HD22	1:71:A:ASN:HA	9	0.22
(1,80)	1:86:A:THR:H	1:85:A:PRO:HD2	11	0.22
(1,74)	1:89:A:ALA:H	1:88:A:HIS:H	7	0.22
(1,74)	1:89:A:ALA:H	1:88:A:HIS:H	16	0.22
(1,44)	1:79:A:THR:H	1:78:A:PRO:HA	16	0.22
(1,34)	1:73:A:GLY:H	1:72:A:THR:H	4	0.22
(1,34)	1:73:A:GLY:H	1:72:A:THR:H	8	0.22
(1,29)	1:62:A:LEU:H	1:61:A:ALA:H	2	0.22
(1,25)	1:83:A:ASP:H	1:84:A:HIS:H	6	0.22
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB1	14	0.21
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB2	14	0.21
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB3	14	0.21
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB1	14	0.21
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB2	14	0.21
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB3	14	0.21
(2,1885)	1:13:A:LEU:HG	1:13:A:LEU:HA	2	0.21
(2,1879)	1:90:A:LEU:HD11	1:90:A:LEU:H	2	0.21
(2,1879)	1:90:A:LEU:HD12	1:90:A:LEU:H	2	0.21
(2,1879)	1:90:A:LEU:HD13	1:90:A:LEU:H	2	0.21
(2,1879)	1:90:A:LEU:HD11	1:90:A:LEU:H	3	0.21
(2,1879)	1:90:A:LEU:HD12	1:90:A:LEU:H	3	0.21
(2,1879)	1:90:A:LEU:HD13	1:90:A:LEU:H	3	0.21
(2,1835)	1:13:A:LEU:HD21	1:95:A:HIS:HD2	14	0.21
(2,1835)	1:13:A:LEU:HD22	1:95:A:HIS:HD2	14	0.21
(2,1835)	1:13:A:LEU:HD23	1:95:A:HIS:HD2	14	0.21
(2,1803)	1:100:A:GLN:HB2	1:100:A:GLN:H	3	0.21
(2,1803)	1:100:A:GLN:HB2	1:100:A:GLN:H	16	0.21
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD11	11	0.21
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD12	11	0.21
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD13	11	0.21
(2,1722)	1:92:A:GLN:HG3	1:92:A:GLN:H	1	0.21
(2,1720)	1:92:A:GLN:HG3	1:89:A:ALA:HA	2	0.21
(2,1714)	1:92:A:GLN:HG2	1:92:A:GLN:HA	16	0.21
(2,1650)	1:89:A:ALA:HB1	1:85:A:PRO:HD2	3	0.21
(2,1650)	1:89:A:ALA:HB2	1:85:A:PRO:HD2	3	0.21
(2,1650)	1:89:A:ALA:HB3	1:85:A:PRO:HD2	3	0.21
(2,1650)	1:89:A:ALA:HB1	1:85:A:PRO:HD2	13	0.21
(2,1650)	1:89:A:ALA:HB2	1:85:A:PRO:HD2	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1650)	1:89:A:ALA:HB3	1:85:A:PRO:HD2	13	0.21
(2,1630)	1:87:A:PRO:HD3	1:51:A:PHE:H	5	0.21
(2,1630)	1:87:A:PRO:HD3	1:51:A:PHE:H	11	0.21
(2,1566)	1:83:A:ASP:HB2	1:83:A:ASP:H	14	0.21
(2,1562)	1:82:A:PHE:HB2	1:82:A:PHE:H	6	0.21
(2,1562)	1:82:A:PHE:HB2	1:82:A:PHE:H	8	0.21
(2,1562)	1:82:A:PHE:HB2	1:82:A:PHE:H	12	0.21
(2,1560)	1:82:A:PHE:HB2	1:83:A:ASP:H	6	0.21
(2,1548)	1:81:A:ILE:HG12	1:81:A:ILE:HB	1	0.21
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD1	10	0.21
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD2	10	0.21
(2,1542)	1:81:A:ILE:HA	1:84:A:HIS:H	2	0.21
(2,1542)	1:81:A:ILE:HA	1:84:A:HIS:H	10	0.21
(2,1540)	1:98:A:LEU:HB2	1:95:A:HIS:HA	4	0.21
(2,1540)	1:98:A:LEU:HB2	1:95:A:HIS:HA	13	0.21
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD21	8	0.21
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD22	8	0.21
(2,1534)	1:98:A:LEU:HB2	1:98:A:LEU:HD23	8	0.21
(2,1523)	1:16:A:LEU:HB2	1:16:A:LEU:HA	3	0.21
(2,1523)	1:16:A:LEU:HB2	1:16:A:LEU:HA	6	0.21
(2,1523)	1:16:A:LEU:HB2	1:16:A:LEU:HA	9	0.21
(2,1493)	1:79:A:THR:HB	1:82:A:PHE:HB2	3	0.21
(2,1453)	1:40:A:HIS:HA	1:40:A:HIS:HB2	7	0.21
(2,1445)	1:88:A:HIS:HB2	1:88:A:HIS:H	3	0.21
(2,1445)	1:88:A:HIS:HB2	1:88:A:HIS:H	13	0.21
(2,1433)	1:71:A:ASN:HA	1:70:A:HIS:HD2	16	0.21
(2,1426)	1:88:A:HIS:HD2	1:92:A:GLN:HG3	10	0.21
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG21	5	0.21
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG22	5	0.21
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG23	5	0.21
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG21	5	0.21
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG22	5	0.21
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG23	5	0.21
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG21	5	0.21
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG22	5	0.21
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG23	5	0.21
(2,1412)	1:56:A:ILE:HD11	1:33:A:THR:HB	3	0.21
(2,1412)	1:56:A:ILE:HD12	1:33:A:THR:HB	3	0.21
(2,1412)	1:56:A:ILE:HD13	1:33:A:THR:HB	3	0.21
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD11	12	0.21
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD12	12	0.21
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD13	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1367)	1:97:A:ARG:HB2	1:98:A:LEU:H	1	0.21
(2,1367)	1:97:A:ARG:HB2	1:98:A:LEU:H	12	0.21
(2,1301)	1:66:A:ASN:HB2	1:65:A:ARG:H	10	0.21
(2,1299)	1:66:A:ASN:HB2	1:67:A:THR:H	2	0.21
(2,1299)	1:66:A:ASN:HB2	1:67:A:THR:H	12	0.21
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	9	0.21
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD12	9	0.21
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD13	9	0.21
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD21	4	0.21
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD22	4	0.21
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD23	4	0.21
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD21	4	0.21
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD22	4	0.21
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD23	4	0.21
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD21	10	0.21
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD22	10	0.21
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD23	10	0.21
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD21	13	0.21
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD22	13	0.21
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD23	13	0.21
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD21	16	0.21
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD22	16	0.21
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD23	16	0.21
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD21	15	0.21
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD22	15	0.21
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD23	15	0.21
(2,1224)	1:63:A:GLU:HG2	1:63:A:GLU:HA	6	0.21
(2,1224)	1:63:A:GLU:HG2	1:63:A:GLU:HA	12	0.21
(2,1224)	1:63:A:GLU:HG2	1:63:A:GLU:HA	14	0.21
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG11	7	0.21
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG12	7	0.21
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG13	7	0.21
(2,1185)	1:62:A:LEU:HB2	1:62:A:LEU:H	2	0.21
(2,1185)	1:62:A:LEU:HB2	1:62:A:LEU:H	9	0.21
(2,1185)	1:62:A:LEU:HB2	1:62:A:LEU:H	11	0.21
(2,1185)	1:62:A:LEU:HB2	1:62:A:LEU:H	12	0.21
(2,1171)	1:61:A:ALA:HB1	1:64:A:LEU:HB3	9	0.21
(2,1171)	1:61:A:ALA:HB2	1:64:A:LEU:HB3	9	0.21
(2,1171)	1:61:A:ALA:HB3	1:64:A:LEU:HB3	9	0.21
(2,1157)	1:56:A:ILE:HD11	1:60:A:THR:HB	7	0.21
(2,1157)	1:56:A:ILE:HD12	1:60:A:THR:HB	7	0.21
(2,1157)	1:56:A:ILE:HD13	1:60:A:THR:HB	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1157)	1:56:A:ILE:HD11	1:60:A:THR:HB	10	0.21
(2,1157)	1:56:A:ILE:HD12	1:60:A:THR:HB	10	0.21
(2,1157)	1:56:A:ILE:HD13	1:60:A:THR:HB	10	0.21
(2,1157)	1:56:A:ILE:HD11	1:60:A:THR:HB	15	0.21
(2,1157)	1:56:A:ILE:HD12	1:60:A:THR:HB	15	0.21
(2,1157)	1:56:A:ILE:HD13	1:60:A:THR:HB	15	0.21
(2,1135)	1:59:A:LEU:HA	1:58:A:SER:HA	14	0.21
(2,1133)	1:58:A:SER:HB3	1:59:A:LEU:HG	2	0.21
(2,1054)	1:52:A:LYS:HG2	1:53:A:ASP:H	9	0.21
(2,1054)	1:52:A:LYS:HG2	1:53:A:ASP:H	11	0.21
(2,1054)	1:52:A:LYS:HG2	1:53:A:ASP:H	16	0.21
(2,1053)	1:52:A:LYS:HG2	1:52:A:LYS:HA	16	0.21
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD21	2	0.21
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD22	2	0.21
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD23	2	0.21
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD11	14	0.21
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD12	14	0.21
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD13	14	0.21
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD11	14	0.21
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD12	14	0.21
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD13	14	0.21
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD11	14	0.21
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD12	14	0.21
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD13	14	0.21
(2,963)	1:93:A:HIS:HB2	1:93:A:HIS:HA	6	0.21
(2,963)	1:93:A:HIS:HB2	1:93:A:HIS:HA	9	0.21
(2,963)	1:93:A:HIS:HB2	1:93:A:HIS:HA	15	0.21
(2,896)	1:41:A:THR:HG21	1:42:A:PRO:HD2	1	0.21
(2,896)	1:41:A:THR:HG22	1:42:A:PRO:HD2	1	0.21
(2,896)	1:41:A:THR:HG23	1:42:A:PRO:HD2	1	0.21
(2,849)	1:74:A:LEU:HD21	1:74:A:LEU:H	7	0.21
(2,849)	1:74:A:LEU:HD22	1:74:A:LEU:H	7	0.21
(2,849)	1:74:A:LEU:HD23	1:74:A:LEU:H	7	0.21
(2,845)	1:37:A:LEU:HD11	1:36:A:VAL:H	2	0.21
(2,845)	1:37:A:LEU:HD12	1:36:A:VAL:H	2	0.21
(2,845)	1:37:A:LEU:HD13	1:36:A:VAL:H	2	0.21
(2,823)	1:36:A:VAL:HG11	1:33:A:THR:HA	11	0.21
(2,823)	1:36:A:VAL:HG12	1:33:A:THR:HA	11	0.21
(2,823)	1:36:A:VAL:HG13	1:33:A:THR:HA	11	0.21
(2,823)	1:36:A:VAL:HG11	1:33:A:THR:HA	16	0.21
(2,823)	1:36:A:VAL:HG12	1:33:A:THR:HA	16	0.21
(2,823)	1:36:A:VAL:HG13	1:33:A:THR:HA	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG21	1	0.21
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG22	1	0.21
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG23	1	0.21
(2,716)	1:30:A:ALA:HB1	1:34:A:ALA:HA	3	0.21
(2,716)	1:30:A:ALA:HB2	1:34:A:ALA:HA	3	0.21
(2,716)	1:30:A:ALA:HB3	1:34:A:ALA:HA	3	0.21
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB1	13	0.21
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB2	13	0.21
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB3	13	0.21
(2,612)	1:28:A:LEU:HA	1:28:A:LEU:HB2	1	0.21
(2,612)	1:28:A:LEU:HA	1:28:A:LEU:HB2	2	0.21
(2,612)	1:28:A:LEU:HA	1:28:A:LEU:HB2	3	0.21
(2,612)	1:28:A:LEU:HA	1:28:A:LEU:HB2	4	0.21
(2,612)	1:28:A:LEU:HA	1:28:A:LEU:HB2	5	0.21
(2,612)	1:28:A:LEU:HA	1:28:A:LEU:HB2	6	0.21
(2,612)	1:28:A:LEU:HA	1:28:A:LEU:HB2	7	0.21
(2,612)	1:28:A:LEU:HA	1:28:A:LEU:HB2	8	0.21
(2,612)	1:28:A:LEU:HA	1:28:A:LEU:HB2	9	0.21
(2,612)	1:28:A:LEU:HA	1:28:A:LEU:HB2	10	0.21
(2,612)	1:28:A:LEU:HA	1:28:A:LEU:HB2	12	0.21
(2,612)	1:28:A:LEU:HA	1:28:A:LEU:HB2	14	0.21
(2,612)	1:28:A:LEU:HA	1:28:A:LEU:HB2	15	0.21
(2,612)	1:28:A:LEU:HA	1:28:A:LEU:HB2	16	0.21
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG21	7	0.21
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG22	7	0.21
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG23	7	0.21
(2,571)	1:32:A:ALA:HA	1:34:A:ALA:H	7	0.21
(2,564)	1:28:A:LEU:HD11	1:71:A:ASN:HB3	12	0.21
(2,564)	1:28:A:LEU:HD12	1:71:A:ASN:HB3	12	0.21
(2,564)	1:28:A:LEU:HD13	1:71:A:ASN:HB3	12	0.21
(2,564)	1:28:A:LEU:HD11	1:71:A:ASN:HB3	16	0.21
(2,564)	1:28:A:LEU:HD12	1:71:A:ASN:HB3	16	0.21
(2,564)	1:28:A:LEU:HD13	1:71:A:ASN:HB3	16	0.21
(2,528)	1:35:A:THR:HB	1:35:A:THR:H	1	0.21
(2,528)	1:35:A:THR:HB	1:35:A:THR:H	9	0.21
(2,528)	1:35:A:THR:HB	1:35:A:THR:H	14	0.21
(2,528)	1:35:A:THR:HB	1:35:A:THR:H	16	0.21
(2,527)	1:24:A:THR:HB	1:24:A:THR:H	14	0.21
(2,525)	1:96:A:THR:HB	1:96:A:THR:H	2	0.21
(2,525)	1:96:A:THR:HB	1:96:A:THR:H	4	0.21
(2,525)	1:96:A:THR:HB	1:96:A:THR:H	10	0.21
(2,511)	1:23:A:GLN:HG3	1:20:A:GLN:HA	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,506)	1:23:A:GLN:HB2	1:24:A:THR:H	6	0.21
(2,506)	1:23:A:GLN:HB2	1:24:A:THR:H	12	0.21
(2,492)	1:22:A:GLN:HG2	1:19:A:GLN:HA	6	0.21
(2,490)	1:22:A:GLN:HG2	1:22:A:GLN:HA	9	0.21
(2,489)	1:22:A:GLN:HG3	1:22:A:GLN:HA	1	0.21
(2,489)	1:22:A:GLN:HG3	1:22:A:GLN:HA	15	0.21
(2,464)	1:20:A:GLN:HG3	1:20:A:GLN:HA	1	0.21
(2,458)	1:20:A:GLN:HB3	1:16:A:LEU:HB3	11	0.21
(2,435)	1:21:A:GLN:HA	1:20:A:GLN:HA	6	0.21
(2,411)	1:19:A:GLN:HB3	1:19:A:GLN:H	4	0.21
(2,411)	1:19:A:GLN:HB3	1:19:A:GLN:H	15	0.21
(2,403)	1:19:A:GLN:HG2	1:20:A:GLN:H	16	0.21
(2,388)	1:45:A:ILE:HA	1:46:A:SER:H	2	0.21
(2,388)	1:45:A:ILE:HA	1:46:A:SER:H	11	0.21
(2,298)	1:94:A:LEU:HB2	1:94:A:LEU:H	3	0.21
(2,298)	1:94:A:LEU:HB2	1:94:A:LEU:H	11	0.21
(2,279)	1:12:A:ARG:HD3	1:12:A:ARG:HA	9	0.21
(2,269)	1:12:A:ARG:HG2	1:13:A:LEU:H	3	0.21
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD11	14	0.21
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD12	14	0.21
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD13	14	0.21
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD11	14	0.21
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD12	14	0.21
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD13	14	0.21
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD11	14	0.21
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD12	14	0.21
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD13	14	0.21
(2,220)	1:13:A:LEU:HD21	1:10:A:ALA:HA	3	0.21
(2,220)	1:13:A:LEU:HD22	1:10:A:ALA:HA	3	0.21
(2,220)	1:13:A:LEU:HD23	1:10:A:ALA:HA	3	0.21
(2,220)	1:13:A:LEU:HD21	1:10:A:ALA:HA	4	0.21
(2,220)	1:13:A:LEU:HD22	1:10:A:ALA:HA	4	0.21
(2,220)	1:13:A:LEU:HD23	1:10:A:ALA:HA	4	0.21
(2,201)	1:6:A:ALA:HA	1:9:A:LEU:HB3	2	0.21
(2,201)	1:6:A:ALA:HA	1:9:A:LEU:HB3	5	0.21
(2,141)	1:41:A:THR:HG21	1:43:A:GLU:HG2	1	0.21
(2,141)	1:41:A:THR:HG22	1:43:A:GLU:HG2	1	0.21
(2,141)	1:41:A:THR:HG23	1:43:A:GLU:HG2	1	0.21
(2,116)	1:6:A:ALA:HB1	1:10:A:ALA:H	15	0.21
(2,116)	1:6:A:ALA:HB2	1:10:A:ALA:H	15	0.21
(2,116)	1:6:A:ALA:HB3	1:10:A:ALA:H	15	0.21
(2,71)	1:81:A:ILE:HD11	1:81:A:ILE:HA	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,71)	1:81:A:ILE:HD12	1:81:A:ILE:HA	8	0.21
(2,71)	1:81:A:ILE:HD13	1:81:A:ILE:HA	8	0.21
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG21	12	0.21
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG22	12	0.21
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG23	12	0.21
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG21	12	0.21
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG22	12	0.21
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG23	12	0.21
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG21	12	0.21
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG22	12	0.21
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG23	12	0.21
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD11	1	0.21
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD12	1	0.21
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD13	1	0.21
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD11	1	0.21
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD12	1	0.21
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD13	1	0.21
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD11	10	0.21
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD12	10	0.21
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD13	10	0.21
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD11	10	0.21
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD12	10	0.21
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD13	10	0.21
(2,52)	1:51:A:PHE:HD1	1:85:A:PRO:HA	3	0.21
(2,52)	1:51:A:PHE:HD2	1:85:A:PRO:HA	3	0.21
(2,52)	1:51:A:PHE:HD1	1:85:A:PRO:HA	4	0.21
(2,52)	1:51:A:PHE:HD2	1:85:A:PRO:HA	4	0.21
(2,52)	1:51:A:PHE:HD1	1:85:A:PRO:HA	16	0.21
(2,52)	1:51:A:PHE:HD2	1:85:A:PRO:HA	16	0.21
(2,34)	1:90:A:LEU:HB3	1:51:A:PHE:HZ	15	0.21
(2,33)	1:84:A:HIS:HB2	1:84:A:HIS:HD2	10	0.21
(2,33)	1:84:A:HIS:HB2	1:84:A:HIS:HD2	12	0.21
(2,33)	1:84:A:HIS:HB2	1:84:A:HIS:HD2	13	0.21
(2,31)	1:39:A:HIS:HD2	1:37:A:LEU:HB3	10	0.21
(2,18)	1:21:A:GLN:HB3	1:95:A:HIS:HD2	15	0.21
(1,601)	1:33:A:THR:H	1:34:A:ALA:H	10	0.21
(1,600)	1:33:A:THR:H	1:30:A:ALA:HA	2	0.21
(1,532)	1:93:A:HIS:H	1:93:A:HIS:HD2	5	0.21
(1,516)	1:82:A:PHE:H	1:82:A:PHE:HB2	6	0.21
(1,516)	1:82:A:PHE:H	1:82:A:PHE:HB2	8	0.21
(1,516)	1:82:A:PHE:H	1:82:A:PHE:HB2	12	0.21
(1,478)	1:68:A:LEU:H	1:68:A:LEU:HB3	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:91:A:THR:H	1:90:A:LEU:HB2	8	0.21
(1,354)	1:91:A:THR:H	1:90:A:LEU:HB2	9	0.21
(1,342)	1:66:A:ASN:H	1:66:A:ASN:HB2	3	0.21
(1,309)	1:56:A:ILE:H	1:51:A:PHE:HB2	9	0.21
(1,286)	1:14:A:ASN:H	1:13:A:LEU:HB2	16	0.21
(1,249)	1:99:A:THR:H	1:98:A:LEU:HB2	12	0.21
(1,239)	1:45:A:ILE:H	1:45:A:ILE:HG13	2	0.21
(1,239)	1:45:A:ILE:H	1:45:A:ILE:HG13	10	0.21
(1,239)	1:45:A:ILE:H	1:45:A:ILE:HG13	11	0.21
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG21	14	0.21
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG22	14	0.21
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG23	14	0.21
(1,158)	1:5:A:ALA:H	1:4:A:SER:HA	3	0.21
(1,134)	1:26:A:ALA:H	1:25:A:LEU:HB2	3	0.21
(1,134)	1:26:A:ALA:H	1:25:A:LEU:HB2	8	0.21
(1,134)	1:26:A:ALA:H	1:25:A:LEU:HB2	11	0.21
(1,125)	1:21:A:GLN:H	1:21:A:GLN:HB2	7	0.21
(1,89)	1:71:A:ASN:HD21	1:71:A:ASN:HB3	11	0.21
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD11	9	0.21
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD12	9	0.21
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD13	9	0.21
(1,74)	1:89:A:ALA:H	1:88:A:HIS:H	11	0.21
(1,44)	1:79:A:THR:H	1:78:A:PRO:HA	11	0.21
(1,44)	1:79:A:THR:H	1:78:A:PRO:HA	13	0.21
(1,38)	1:73:A:GLY:H	1:74:A:LEU:H	5	0.21
(1,34)	1:73:A:GLY:H	1:72:A:THR:H	1	0.21
(1,34)	1:73:A:GLY:H	1:72:A:THR:H	9	0.21
(1,34)	1:73:A:GLY:H	1:72:A:THR:H	13	0.21
(1,34)	1:73:A:GLY:H	1:72:A:THR:H	14	0.21
(1,29)	1:62:A:LEU:H	1:61:A:ALA:H	5	0.21
(1,25)	1:83:A:ASP:H	1:84:A:HIS:H	12	0.21
(1,25)	1:83:A:ASP:H	1:84:A:HIS:H	13	0.21
(1,22)	1:43:A:GLU:H	1:44:A:SER:H	3	0.21
(2,1914)	1:91:A:THR:HB	1:92:A:GLN:H	9	0.2
(2,1885)	1:13:A:LEU:HG	1:13:A:LEU:HA	7	0.2
(2,1885)	1:13:A:LEU:HG	1:13:A:LEU:HA	13	0.2
(2,1879)	1:90:A:LEU:HD11	1:90:A:LEU:H	13	0.2
(2,1879)	1:90:A:LEU:HD12	1:90:A:LEU:H	13	0.2
(2,1879)	1:90:A:LEU:HD13	1:90:A:LEU:H	13	0.2
(2,1850)	1:70:A:HIS:HD2	1:70:A:HIS:HB3	9	0.2
(2,1850)	1:70:A:HIS:HD2	1:70:A:HIS:HB3	10	0.2
(2,1849)	1:84:A:HIS:HD2	1:84:A:HIS:H	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1848)	1:95:A:HIS:HD2	1:22:A:GLN:H	7	0.2
(2,1848)	1:95:A:HIS:HD2	1:22:A:GLN:H	16	0.2
(2,1803)	1:100:A:GLN:HB2	1:100:A:GLN:H	14	0.2
(2,1769)	1:97:A:ARG:HA	1:97:A:ARG:HG3	3	0.2
(2,1722)	1:92:A:GLN:HG3	1:92:A:GLN:H	16	0.2
(2,1714)	1:92:A:GLN:HG2	1:92:A:GLN:HA	1	0.2
(2,1668)	1:90:A:LEU:HA	1:94:A:LEU:HD11	16	0.2
(2,1668)	1:90:A:LEU:HA	1:94:A:LEU:HD12	16	0.2
(2,1668)	1:90:A:LEU:HA	1:94:A:LEU:HD13	16	0.2
(2,1666)	1:90:A:LEU:HB3	1:90:A:LEU:HA	8	0.2
(2,1659)	1:89:A:ALA:HB1	1:90:A:LEU:H	3	0.2
(2,1659)	1:89:A:ALA:HB2	1:90:A:LEU:H	3	0.2
(2,1659)	1:89:A:ALA:HB3	1:90:A:LEU:H	3	0.2
(2,1659)	1:89:A:ALA:HB1	1:90:A:LEU:H	4	0.2
(2,1659)	1:89:A:ALA:HB2	1:90:A:LEU:H	4	0.2
(2,1659)	1:89:A:ALA:HB3	1:90:A:LEU:H	4	0.2
(2,1656)	1:89:A:ALA:HB1	1:51:A:PHE:HE1	8	0.2
(2,1656)	1:89:A:ALA:HB1	1:51:A:PHE:HE2	8	0.2
(2,1656)	1:89:A:ALA:HB2	1:51:A:PHE:HE1	8	0.2
(2,1656)	1:89:A:ALA:HB2	1:51:A:PHE:HE2	8	0.2
(2,1656)	1:89:A:ALA:HB3	1:51:A:PHE:HE1	8	0.2
(2,1656)	1:89:A:ALA:HB3	1:51:A:PHE:HE2	8	0.2
(2,1630)	1:87:A:PRO:HD3	1:51:A:PHE:H	4	0.2
(2,1630)	1:87:A:PRO:HD3	1:51:A:PHE:H	10	0.2
(2,1562)	1:82:A:PHE:HB2	1:82:A:PHE:H	4	0.2
(2,1562)	1:82:A:PHE:HB2	1:82:A:PHE:H	7	0.2
(2,1562)	1:82:A:PHE:HB2	1:82:A:PHE:H	9	0.2
(2,1562)	1:82:A:PHE:HB2	1:82:A:PHE:H	11	0.2
(2,1562)	1:82:A:PHE:HB2	1:82:A:PHE:H	13	0.2
(2,1562)	1:82:A:PHE:HB2	1:82:A:PHE:H	16	0.2
(2,1548)	1:81:A:ILE:HG12	1:81:A:ILE:HB	8	0.2
(2,1542)	1:81:A:ILE:HA	1:84:A:HIS:H	5	0.2
(2,1523)	1:16:A:LEU:HB2	1:16:A:LEU:HA	11	0.2
(2,1519)	1:16:A:LEU:HB2	1:21:A:GLN:HG3	2	0.2
(2,1490)	1:79:A:THR:HA	1:79:A:THR:HB	5	0.2
(2,1490)	1:79:A:THR:HA	1:79:A:THR:HB	11	0.2
(2,1445)	1:88:A:HIS:HB2	1:88:A:HIS:H	12	0.2
(2,1433)	1:71:A:ASN:HA	1:70:A:HIS:HD2	7	0.2
(2,1429)	1:102:A:HIS:HD2	1:101:A:SER:HB2	9	0.2
(2,1400)	1:45:A:ILE:HD11	1:45:A:ILE:HA	7	0.2
(2,1400)	1:45:A:ILE:HD12	1:45:A:ILE:HA	7	0.2
(2,1400)	1:45:A:ILE:HD13	1:45:A:ILE:HA	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1398)	1:45:A:ILE:HD11	1:39:A:HIS:HB2	8	0.2
(2,1398)	1:45:A:ILE:HD12	1:39:A:HIS:HB2	8	0.2
(2,1398)	1:45:A:ILE:HD13	1:39:A:HIS:HB2	8	0.2
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD11	11	0.2
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD12	11	0.2
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD13	11	0.2
(2,1367)	1:97:A:ARG:HB2	1:98:A:LEU:H	8	0.2
(2,1334)	1:69:A:THR:HA	1:74:A:LEU:H	8	0.2
(2,1301)	1:66:A:ASN:HB2	1:65:A:ARG:H	15	0.2
(2,1299)	1:66:A:ASN:HB2	1:67:A:THR:H	7	0.2
(2,1293)	1:66:A:ASN:HA	1:65:A:ARG:H	3	0.2
(2,1293)	1:66:A:ASN:HA	1:65:A:ARG:H	10	0.2
(2,1293)	1:66:A:ASN:HA	1:65:A:ARG:H	12	0.2
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	12	0.2
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD12	12	0.2
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD13	12	0.2
(2,1281)	1:65:A:ARG:HB2	1:65:A:ARG:HA	9	0.2
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD21	7	0.2
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD22	7	0.2
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD23	7	0.2
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD21	9	0.2
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD22	9	0.2
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD23	9	0.2
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD21	12	0.2
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD22	12	0.2
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD23	12	0.2
(2,1270)	1:65:A:ARG:HA	1:68:A:LEU:HB3	12	0.2
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD21	3	0.2
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD22	3	0.2
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD23	3	0.2
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD21	6	0.2
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD22	6	0.2
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD23	6	0.2
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD21	9	0.2
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD22	9	0.2
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD23	9	0.2
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD21	14	0.2
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD22	14	0.2
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD23	14	0.2
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD21	15	0.2
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD22	15	0.2
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD23	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1224)	1:63:A:GLU:HG2	1:63:A:GLU:HA	2	0.2
(2,1224)	1:63:A:GLU:HG2	1:63:A:GLU:HA	15	0.2
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG21	1	0.2
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG22	1	0.2
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG23	1	0.2
(2,1204)	1:62:A:LEU:HG	1:59:A:LEU:HA	16	0.2
(2,1194)	1:63:A:GLU:HB2	1:64:A:LEU:H	8	0.2
(2,1188)	1:62:A:LEU:HB3	1:63:A:GLU:H	1	0.2
(2,1188)	1:62:A:LEU:HB3	1:63:A:GLU:H	2	0.2
(2,1188)	1:62:A:LEU:HB3	1:63:A:GLU:H	6	0.2
(2,1188)	1:62:A:LEU:HB3	1:63:A:GLU:H	14	0.2
(2,1185)	1:62:A:LEU:HB2	1:62:A:LEU:H	5	0.2
(2,1185)	1:62:A:LEU:HB2	1:62:A:LEU:H	10	0.2
(2,1185)	1:62:A:LEU:HB2	1:62:A:LEU:H	14	0.2
(2,1054)	1:52:A:LYS:HG2	1:53:A:ASP:H	3	0.2
(2,1054)	1:52:A:LYS:HG2	1:53:A:ASP:H	5	0.2
(2,1053)	1:52:A:LYS:HG2	1:52:A:LYS:HA	7	0.2
(2,1029)	1:51:A:PHE:HB3	1:52:A:LYS:HG2	1	0.2
(2,1029)	1:51:A:PHE:HB3	1:52:A:LYS:HG2	11	0.2
(2,1029)	1:51:A:PHE:HB3	1:52:A:LYS:HG2	13	0.2
(2,1007)	1:39:A:HIS:HA	1:39:A:HIS:HD2	1	0.2
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD11	16	0.2
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD12	16	0.2
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD13	16	0.2
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD11	16	0.2
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD12	16	0.2
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD13	16	0.2
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD11	16	0.2
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD12	16	0.2
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD13	16	0.2
(2,997)	1:49:A:THR:HG21	1:54:A:LEU:HG	13	0.2
(2,997)	1:49:A:THR:HG22	1:54:A:LEU:HG	13	0.2
(2,997)	1:49:A:THR:HG23	1:54:A:LEU:HG	13	0.2
(2,977)	1:49:A:THR:HB	1:49:A:THR:H	14	0.2
(2,963)	1:93:A:HIS:HB2	1:93:A:HIS:HA	1	0.2
(2,963)	1:93:A:HIS:HB2	1:93:A:HIS:HA	5	0.2
(2,963)	1:93:A:HIS:HB2	1:93:A:HIS:HA	8	0.2
(2,963)	1:93:A:HIS:HB2	1:93:A:HIS:HA	14	0.2
(2,960)	1:47:A:PRO:HD2	1:46:A:SER:HB3	6	0.2
(2,889)	1:42:A:PRO:HD2	1:41:A:THR:HA	5	0.2
(2,876)	1:42:A:PRO:HB2	1:43:A:GLU:H	8	0.2
(2,849)	1:74:A:LEU:HD21	1:74:A:LEU:H	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,849)	1:74:A:LEU:HD22	1:74:A:LEU:H	6	0.2
(2,849)	1:74:A:LEU:HD23	1:74:A:LEU:H	6	0.2
(2,849)	1:74:A:LEU:HD21	1:74:A:LEU:H	9	0.2
(2,849)	1:74:A:LEU:HD22	1:74:A:LEU:H	9	0.2
(2,849)	1:74:A:LEU:HD23	1:74:A:LEU:H	9	0.2
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG21	12	0.2
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG22	12	0.2
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG23	12	0.2
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG21	12	0.2
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG22	12	0.2
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG23	12	0.2
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG21	12	0.2
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG22	12	0.2
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG23	12	0.2
(2,845)	1:37:A:LEU:HD11	1:36:A:VAL:H	6	0.2
(2,845)	1:37:A:LEU:HD12	1:36:A:VAL:H	6	0.2
(2,845)	1:37:A:LEU:HD13	1:36:A:VAL:H	6	0.2
(2,827)	1:36:A:VAL:HG11	1:64:A:LEU:H	2	0.2
(2,827)	1:36:A:VAL:HG12	1:64:A:LEU:H	2	0.2
(2,827)	1:36:A:VAL:HG13	1:64:A:LEU:H	2	0.2
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG21	4	0.2
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG22	4	0.2
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG23	4	0.2
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG21	7	0.2
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG22	7	0.2
(2,812)	1:36:A:VAL:HA	1:60:A:THR:HG23	7	0.2
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB1	8	0.2
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB2	8	0.2
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB3	8	0.2
(2,785)	1:27:A:THR:HB	1:23:A:GLN:HB2	12	0.2
(2,785)	1:27:A:THR:HB	1:23:A:GLN:HB2	16	0.2
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB1	12	0.2
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB2	12	0.2
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB3	12	0.2
(2,571)	1:32:A:ALA:HA	1:34:A:ALA:H	11	0.2
(2,571)	1:32:A:ALA:HA	1:34:A:ALA:H	13	0.2
(2,565)	1:28:A:LEU:HD11	1:71:A:ASN:HB2	3	0.2
(2,565)	1:28:A:LEU:HD12	1:71:A:ASN:HB2	3	0.2
(2,565)	1:28:A:LEU:HD13	1:71:A:ASN:HB2	3	0.2
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD11	16	0.2
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD12	16	0.2
(2,551)	1:62:A:LEU:HA	1:62:A:LEU:HD13	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,528)	1:35:A:THR:HB	1:35:A:THR:H	5	0.2
(2,528)	1:35:A:THR:HB	1:35:A:THR:H	6	0.2
(2,528)	1:35:A:THR:HB	1:35:A:THR:H	10	0.2
(2,528)	1:35:A:THR:HB	1:35:A:THR:H	11	0.2
(2,528)	1:35:A:THR:HB	1:35:A:THR:H	12	0.2
(2,525)	1:96:A:THR:HB	1:96:A:THR:H	5	0.2
(2,525)	1:96:A:THR:HB	1:96:A:THR:H	8	0.2
(2,525)	1:96:A:THR:HB	1:96:A:THR:H	12	0.2
(2,525)	1:96:A:THR:HB	1:96:A:THR:H	16	0.2
(2,506)	1:23:A:GLN:HB2	1:24:A:THR:H	16	0.2
(2,492)	1:22:A:GLN:HG2	1:19:A:GLN:HA	11	0.2
(2,483)	1:22:A:GLN:HG2	1:22:A:GLN:HB3	12	0.2
(2,477)	1:25:A:LEU:HG	1:25:A:LEU:H	11	0.2
(2,477)	1:25:A:LEU:HG	1:25:A:LEU:H	15	0.2
(2,465)	1:20:A:GLN:HG3	1:20:A:GLN:H	12	0.2
(2,465)	1:20:A:GLN:HG3	1:20:A:GLN:H	13	0.2
(2,458)	1:20:A:GLN:HB3	1:16:A:LEU:HB3	9	0.2
(2,435)	1:21:A:GLN:HA	1:20:A:GLN:HA	1	0.2
(2,435)	1:21:A:GLN:HA	1:20:A:GLN:HA	2	0.2
(2,435)	1:21:A:GLN:HA	1:20:A:GLN:HA	16	0.2
(2,411)	1:19:A:GLN:HB3	1:19:A:GLN:H	7	0.2
(2,411)	1:19:A:GLN:HB3	1:19:A:GLN:H	11	0.2
(2,403)	1:19:A:GLN:HG2	1:20:A:GLN:H	11	0.2
(2,388)	1:45:A:ILE:HA	1:46:A:SER:H	3	0.2
(2,388)	1:45:A:ILE:HA	1:46:A:SER:H	7	0.2
(2,388)	1:45:A:ILE:HA	1:46:A:SER:H	9	0.2
(2,388)	1:45:A:ILE:HA	1:46:A:SER:H	10	0.2
(2,361)	1:16:A:LEU:HD21	1:17:A:SER:H	5	0.2
(2,361)	1:16:A:LEU:HD22	1:17:A:SER:H	5	0.2
(2,361)	1:16:A:LEU:HD23	1:17:A:SER:H	5	0.2
(2,361)	1:16:A:LEU:HD21	1:17:A:SER:H	15	0.2
(2,361)	1:16:A:LEU:HD22	1:17:A:SER:H	15	0.2
(2,361)	1:16:A:LEU:HD23	1:17:A:SER:H	15	0.2
(2,359)	1:16:A:LEU:HD21	1:21:A:GLN:HG2	11	0.2
(2,359)	1:16:A:LEU:HD22	1:21:A:GLN:HG2	11	0.2
(2,359)	1:16:A:LEU:HD23	1:21:A:GLN:HG2	11	0.2
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD21	8	0.2
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD22	8	0.2
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD23	8	0.2
(2,298)	1:94:A:LEU:HB2	1:94:A:LEU:H	8	0.2
(2,279)	1:12:A:ARG:HD3	1:12:A:ARG:HA	8	0.2
(2,279)	1:12:A:ARG:HD3	1:12:A:ARG:HA	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,265)	1:12:A:ARG:HG2	1:11:A:ALA:HB1	6	0.2
(2,265)	1:12:A:ARG:HG2	1:11:A:ALA:HB2	6	0.2
(2,265)	1:12:A:ARG:HG2	1:11:A:ALA:HB3	6	0.2
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD11	10	0.2
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD12	10	0.2
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD13	10	0.2
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD11	10	0.2
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD12	10	0.2
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD13	10	0.2
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD11	10	0.2
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD12	10	0.2
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD13	10	0.2
(2,220)	1:13:A:LEU:HD21	1:10:A:ALA:HA	6	0.2
(2,220)	1:13:A:LEU:HD22	1:10:A:ALA:HA	6	0.2
(2,220)	1:13:A:LEU:HD23	1:10:A:ALA:HA	6	0.2
(2,220)	1:13:A:LEU:HD21	1:10:A:ALA:HA	9	0.2
(2,220)	1:13:A:LEU:HD22	1:10:A:ALA:HA	9	0.2
(2,220)	1:13:A:LEU:HD23	1:10:A:ALA:HA	9	0.2
(2,220)	1:13:A:LEU:HD21	1:10:A:ALA:HA	13	0.2
(2,220)	1:13:A:LEU:HD22	1:10:A:ALA:HA	13	0.2
(2,220)	1:13:A:LEU:HD23	1:10:A:ALA:HA	13	0.2
(2,201)	1:6:A:ALA:HA	1:9:A:LEU:HB3	12	0.2
(2,156)	1:71:A:ASN:HA	1:71:A:ASN:HD22	8	0.2
(2,156)	1:71:A:ASN:HA	1:71:A:ASN:HD22	15	0.2
(2,116)	1:6:A:ALA:HB1	1:10:A:ALA:H	16	0.2
(2,116)	1:6:A:ALA:HB2	1:10:A:ALA:H	16	0.2
(2,116)	1:6:A:ALA:HB3	1:10:A:ALA:H	16	0.2
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG21	16	0.2
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG22	16	0.2
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG23	16	0.2
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG21	16	0.2
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG22	16	0.2
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG23	16	0.2
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG21	16	0.2
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG22	16	0.2
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG23	16	0.2
(2,52)	1:51:A:PHE:HD1	1:85:A:PRO:HA	11	0.2
(2,52)	1:51:A:PHE:HD2	1:85:A:PRO:HA	11	0.2
(2,52)	1:51:A:PHE:HD1	1:85:A:PRO:HA	12	0.2
(2,52)	1:51:A:PHE:HD2	1:85:A:PRO:HA	12	0.2
(2,33)	1:84:A:HIS:HB2	1:84:A:HIS:HD2	2	0.2
(2,33)	1:84:A:HIS:HB2	1:84:A:HIS:HD2	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,31)	1:39:A:HIS:HD2	1:37:A:LEU:HB3	5	0.2
(2,18)	1:21:A:GLN:HB3	1:95:A:HIS:HD2	7	0.2
(2,17)	1:95:A:HIS:HD2	1:95:A:HIS:HB2	5	0.2
(1,601)	1:33:A:THR:H	1:34:A:ALA:H	14	0.2
(1,600)	1:33:A:THR:H	1:30:A:ALA:HA	3	0.2
(1,588)	1:96:A:THR:H	1:96:A:THR:HB	14	0.2
(1,586)	1:96:A:THR:H	1:95:A:HIS:HB3	14	0.2
(1,516)	1:82:A:PHE:H	1:82:A:PHE:HB2	4	0.2
(1,516)	1:82:A:PHE:H	1:82:A:PHE:HB2	7	0.2
(1,516)	1:82:A:PHE:H	1:82:A:PHE:HB2	9	0.2
(1,516)	1:82:A:PHE:H	1:82:A:PHE:HB2	11	0.2
(1,516)	1:82:A:PHE:H	1:82:A:PHE:HB2	13	0.2
(1,516)	1:82:A:PHE:H	1:82:A:PHE:HB2	16	0.2
(1,475)	1:68:A:LEU:H	1:68:A:LEU:HB2	10	0.2
(1,443)	1:75:A:ASP:H	1:74:A:LEU:HB2	11	0.2
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD21	5	0.2
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD22	5	0.2
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD23	5	0.2
(1,350)	1:17:A:SER:H	1:16:A:LEU:HB3	11	0.2
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB1	3	0.2
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB2	3	0.2
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB3	3	0.2
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB1	4	0.2
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB2	4	0.2
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB3	4	0.2
(1,249)	1:99:A:THR:H	1:98:A:LEU:HB2	7	0.2
(1,239)	1:45:A:ILE:H	1:45:A:ILE:HG13	1	0.2
(1,239)	1:45:A:ILE:H	1:45:A:ILE:HG13	9	0.2
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG21	6	0.2
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG22	6	0.2
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG23	6	0.2
(1,171)	1:28:A:LEU:H	1:28:A:LEU:HB3	16	0.2
(1,134)	1:26:A:ALA:H	1:25:A:LEU:HB2	4	0.2
(1,134)	1:26:A:ALA:H	1:25:A:LEU:HB2	5	0.2
(1,134)	1:26:A:ALA:H	1:25:A:LEU:HB2	6	0.2
(1,134)	1:26:A:ALA:H	1:25:A:LEU:HB2	10	0.2
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD21	11	0.2
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD22	11	0.2
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD23	11	0.2
(1,125)	1:21:A:GLN:H	1:21:A:GLN:HB2	1	0.2
(1,125)	1:21:A:GLN:H	1:21:A:GLN:HB2	11	0.2
(1,110)	1:52:A:LYS:H	1:52:A:LYS:HG3	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,95)	1:71:A:ASN:HD22	1:71:A:ASN:HA	8	0.2
(1,95)	1:71:A:ASN:HD22	1:71:A:ASN:HA	15	0.2
(1,94)	1:71:A:ASN:HD22	1:68:A:LEU:HA	10	0.2
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD11	4	0.2
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD12	4	0.2
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD13	4	0.2
(1,80)	1:86:A:THR:H	1:85:A:PRO:HD2	7	0.2
(1,80)	1:86:A:THR:H	1:85:A:PRO:HD2	16	0.2
(1,74)	1:89:A:ALA:H	1:88:A:HIS:H	2	0.2
(1,74)	1:89:A:ALA:H	1:88:A:HIS:H	3	0.2
(1,74)	1:89:A:ALA:H	1:88:A:HIS:H	8	0.2
(1,56)	1:60:A:THR:H	1:59:A:LEU:HB2	7	0.2
(1,38)	1:73:A:GLY:H	1:74:A:LEU:H	11	0.2
(1,34)	1:73:A:GLY:H	1:72:A:THR:H	2	0.2
(1,34)	1:73:A:GLY:H	1:72:A:THR:H	6	0.2
(1,29)	1:62:A:LEU:H	1:61:A:ALA:H	6	0.2
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB1	4	0.19
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB2	4	0.19
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB3	4	0.19
(2,1898)	1:30:A:ALA:HB1	1:42:A:PRO:HB3	9	0.19
(2,1898)	1:30:A:ALA:HB2	1:42:A:PRO:HB3	9	0.19
(2,1898)	1:30:A:ALA:HB3	1:42:A:PRO:HB3	9	0.19
(2,1898)	1:30:A:ALA:HB1	1:42:A:PRO:HB3	11	0.19
(2,1898)	1:30:A:ALA:HB2	1:42:A:PRO:HB3	11	0.19
(2,1898)	1:30:A:ALA:HB3	1:42:A:PRO:HB3	11	0.19
(2,1885)	1:13:A:LEU:HG	1:13:A:LEU:HA	1	0.19
(2,1885)	1:13:A:LEU:HG	1:13:A:LEU:HA	16	0.19
(2,1850)	1:70:A:HIS:HD2	1:70:A:HIS:HB3	2	0.19
(2,1844)	1:15:A:GLY:HA3	1:14:A:ASN:HB2	6	0.19
(2,1835)	1:13:A:LEU:HD21	1:95:A:HIS:HD2	6	0.19
(2,1835)	1:13:A:LEU:HD22	1:95:A:HIS:HD2	6	0.19
(2,1835)	1:13:A:LEU:HD23	1:95:A:HIS:HD2	6	0.19
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG21	13	0.19
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG22	13	0.19
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG23	13	0.19
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG21	15	0.19
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG22	15	0.19
(2,1801)	1:100:A:GLN:HB2	1:96:A:THR:HG23	15	0.19
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD11	9	0.19
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD12	9	0.19
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD13	9	0.19
(2,1769)	1:97:A:ARG:HA	1:97:A:ARG:HG3	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1769)	1:97:A:ARG:HA	1:97:A:ARG:HG3	12	0.19
(2,1769)	1:97:A:ARG:HA	1:97:A:ARG:HG3	16	0.19
(2,1755)	1:92:A:GLN:HA	1:95:A:HIS:HB3	7	0.19
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG21	9	0.19
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG22	9	0.19
(2,1754)	1:95:A:HIS:HB2	1:91:A:THR:HG23	9	0.19
(2,1722)	1:92:A:GLN:HG3	1:92:A:GLN:H	13	0.19
(2,1695)	1:91:A:THR:HA	1:90:A:LEU:HG	1	0.19
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD11	3	0.19
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD12	3	0.19
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD13	3	0.19
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD11	3	0.19
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD12	3	0.19
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD13	3	0.19
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD11	3	0.19
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD12	3	0.19
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD13	3	0.19
(2,1679)	1:90:A:LEU:HD21	1:90:A:LEU:HB3	7	0.19
(2,1679)	1:90:A:LEU:HD22	1:90:A:LEU:HB3	7	0.19
(2,1679)	1:90:A:LEU:HD23	1:90:A:LEU:HB3	7	0.19
(2,1659)	1:89:A:ALA:HB1	1:90:A:LEU:H	1	0.19
(2,1659)	1:89:A:ALA:HB2	1:90:A:LEU:H	1	0.19
(2,1659)	1:89:A:ALA:HB3	1:90:A:LEU:H	1	0.19
(2,1659)	1:89:A:ALA:HB1	1:90:A:LEU:H	2	0.19
(2,1659)	1:89:A:ALA:HB2	1:90:A:LEU:H	2	0.19
(2,1659)	1:89:A:ALA:HB3	1:90:A:LEU:H	2	0.19
(2,1659)	1:89:A:ALA:HB1	1:90:A:LEU:H	5	0.19
(2,1659)	1:89:A:ALA:HB2	1:90:A:LEU:H	5	0.19
(2,1659)	1:89:A:ALA:HB3	1:90:A:LEU:H	5	0.19
(2,1659)	1:89:A:ALA:HB1	1:90:A:LEU:H	7	0.19
(2,1659)	1:89:A:ALA:HB2	1:90:A:LEU:H	7	0.19
(2,1659)	1:89:A:ALA:HB3	1:90:A:LEU:H	7	0.19
(2,1659)	1:89:A:ALA:HB1	1:90:A:LEU:H	10	0.19
(2,1659)	1:89:A:ALA:HB2	1:90:A:LEU:H	10	0.19
(2,1659)	1:89:A:ALA:HB3	1:90:A:LEU:H	10	0.19
(2,1659)	1:89:A:ALA:HB1	1:90:A:LEU:H	12	0.19
(2,1659)	1:89:A:ALA:HB2	1:90:A:LEU:H	12	0.19
(2,1659)	1:89:A:ALA:HB3	1:90:A:LEU:H	12	0.19
(2,1650)	1:89:A:ALA:HB1	1:85:A:PRO:HD2	16	0.19
(2,1650)	1:89:A:ALA:HB2	1:85:A:PRO:HD2	16	0.19
(2,1650)	1:89:A:ALA:HB3	1:85:A:PRO:HD2	16	0.19
(2,1602)	1:86:A:THR:HB	1:88:A:HIS:H	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1602)	1:86:A:THR:HB	1:88:A:HIS:H	11	0.19
(2,1602)	1:86:A:THR:HB	1:88:A:HIS:H	15	0.19
(2,1569)	1:83:A:ASP:HB3	1:84:A:HIS:H	8	0.19
(2,1569)	1:83:A:ASP:HB3	1:84:A:HIS:H	14	0.19
(2,1566)	1:83:A:ASP:HB2	1:83:A:ASP:H	11	0.19
(2,1562)	1:82:A:PHE:HB2	1:82:A:PHE:H	1	0.19
(2,1562)	1:82:A:PHE:HB2	1:82:A:PHE:H	10	0.19
(2,1562)	1:82:A:PHE:HB2	1:82:A:PHE:H	15	0.19
(2,1548)	1:81:A:ILE:HG12	1:81:A:ILE:HB	9	0.19
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD1	1	0.19
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD2	1	0.19
(2,1542)	1:81:A:ILE:HA	1:84:A:HIS:H	6	0.19
(2,1506)	1:72:A:THR:HG21	1:68:A:LEU:HB2	15	0.19
(2,1506)	1:72:A:THR:HG22	1:68:A:LEU:HB2	15	0.19
(2,1506)	1:72:A:THR:HG23	1:68:A:LEU:HB2	15	0.19
(2,1499)	1:79:A:THR:HA	1:78:A:PRO:HB3	12	0.19
(2,1490)	1:79:A:THR:HA	1:79:A:THR:HB	12	0.19
(2,1462)	1:73:A:GLY:HA2	1:73:A:GLY:H	10	0.19
(2,1453)	1:40:A:HIS:HA	1:40:A:HIS:HB2	1	0.19
(2,1445)	1:88:A:HIS:HB2	1:88:A:HIS:H	8	0.19
(2,1445)	1:88:A:HIS:HB2	1:88:A:HIS:H	15	0.19
(2,1444)	1:88:A:HIS:HB3	1:88:A:HIS:H	4	0.19
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG21	8	0.19
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG22	8	0.19
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG23	8	0.19
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG21	8	0.19
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG22	8	0.19
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG23	8	0.19
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG21	8	0.19
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG22	8	0.19
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG23	8	0.19
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG21	15	0.19
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG22	15	0.19
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG23	15	0.19
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG21	15	0.19
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG22	15	0.19
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG23	15	0.19
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG21	15	0.19
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG22	15	0.19
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG23	15	0.19
(2,1400)	1:45:A:ILE:HD11	1:45:A:ILE:HA	15	0.19
(2,1400)	1:45:A:ILE:HD12	1:45:A:ILE:HA	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1400)	1:45:A:ILE:HD13	1:45:A:ILE:HA	15	0.19
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD11	13	0.19
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD12	13	0.19
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD13	13	0.19
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD11	15	0.19
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD12	15	0.19
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD13	15	0.19
(2,1336)	1:69:A:THR:HA	1:74:A:LEU:HB3	2	0.19
(2,1301)	1:66:A:ASN:HB2	1:65:A:ARG:H	4	0.19
(2,1293)	1:66:A:ASN:HA	1:65:A:ARG:H	8	0.19
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	3	0.19
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD12	3	0.19
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD13	3	0.19
(2,1281)	1:65:A:ARG:HB2	1:65:A:ARG:HA	6	0.19
(2,1281)	1:65:A:ARG:HB2	1:65:A:ARG:HA	10	0.19
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD21	10	0.19
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD22	10	0.19
(2,1272)	1:65:A:ARG:HA	1:64:A:LEU:HD23	10	0.19
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD21	1	0.19
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD22	1	0.19
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD23	1	0.19
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD21	5	0.19
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD22	5	0.19
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD23	5	0.19
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD21	7	0.19
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD22	7	0.19
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD23	7	0.19
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD21	16	0.19
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD22	16	0.19
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD23	16	0.19
(2,1224)	1:63:A:GLU:HG2	1:63:A:GLU:HA	1	0.19
(2,1224)	1:63:A:GLU:HG2	1:63:A:GLU:HA	4	0.19
(2,1224)	1:63:A:GLU:HG2	1:63:A:GLU:HA	16	0.19
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG21	10	0.19
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG22	10	0.19
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG23	10	0.19
(2,1185)	1:62:A:LEU:HB2	1:62:A:LEU:H	1	0.19
(2,1185)	1:62:A:LEU:HB2	1:62:A:LEU:H	6	0.19
(2,1185)	1:62:A:LEU:HB2	1:62:A:LEU:H	13	0.19
(2,1185)	1:62:A:LEU:HB2	1:62:A:LEU:H	15	0.19
(2,1173)	1:61:A:ALA:HB1	1:58:A:SER:HA	8	0.19
(2,1173)	1:61:A:ALA:HB2	1:58:A:SER:HA	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1173)	1:61:A:ALA:HB3	1:58:A:SER:HA	8	0.19
(2,1100)	1:81:A:ILE:HG21	1:90:A:LEU:HB2	7	0.19
(2,1100)	1:81:A:ILE:HG22	1:90:A:LEU:HB2	7	0.19
(2,1100)	1:81:A:ILE:HG23	1:90:A:LEU:HB2	7	0.19
(2,1073)	1:54:A:LEU:HG	1:54:A:LEU:HB2	7	0.19
(2,1054)	1:52:A:LYS:HG2	1:53:A:ASP:H	1	0.19
(2,1054)	1:52:A:LYS:HG2	1:53:A:ASP:H	4	0.19
(2,1054)	1:52:A:LYS:HG2	1:53:A:ASP:H	15	0.19
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD21	8	0.19
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD22	8	0.19
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD23	8	0.19
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD11	15	0.19
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD12	15	0.19
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD13	15	0.19
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD11	15	0.19
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD12	15	0.19
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD13	15	0.19
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD11	15	0.19
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD12	15	0.19
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD13	15	0.19
(2,963)	1:93:A:HIS:HB2	1:93:A:HIS:HA	7	0.19
(2,922)	1:44:A:SER:HB2	1:41:A:THR:HG21	12	0.19
(2,922)	1:44:A:SER:HB2	1:41:A:THR:HG22	12	0.19
(2,922)	1:44:A:SER:HB2	1:41:A:THR:HG23	12	0.19
(2,876)	1:42:A:PRO:HB2	1:43:A:GLU:H	1	0.19
(2,876)	1:42:A:PRO:HB2	1:43:A:GLU:H	12	0.19
(2,850)	1:74:A:LEU:HD21	1:74:A:LEU:HA	11	0.19
(2,850)	1:74:A:LEU:HD22	1:74:A:LEU:HA	11	0.19
(2,850)	1:74:A:LEU:HD23	1:74:A:LEU:HA	11	0.19
(2,849)	1:74:A:LEU:HD21	1:74:A:LEU:H	2	0.19
(2,849)	1:74:A:LEU:HD22	1:74:A:LEU:H	2	0.19
(2,849)	1:74:A:LEU:HD23	1:74:A:LEU:H	2	0.19
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG21	1	0.19
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG22	1	0.19
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG23	1	0.19
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG21	1	0.19
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG22	1	0.19
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG23	1	0.19
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG21	1	0.19
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG22	1	0.19
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG23	1	0.19
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG21	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG22	9	0.19
(2,840)	1:37:A:LEU:HG	1:33:A:THR:HG23	9	0.19
(2,832)	1:37:A:LEU:HB2	1:37:A:LEU:H	7	0.19
(2,832)	1:37:A:LEU:HB2	1:37:A:LEU:H	10	0.19
(2,827)	1:36:A:VAL:HG11	1:64:A:LEU:H	5	0.19
(2,827)	1:36:A:VAL:HG12	1:64:A:LEU:H	5	0.19
(2,827)	1:36:A:VAL:HG13	1:64:A:LEU:H	5	0.19
(2,827)	1:36:A:VAL:HG11	1:64:A:LEU:H	9	0.19
(2,827)	1:36:A:VAL:HG12	1:64:A:LEU:H	9	0.19
(2,827)	1:36:A:VAL:HG13	1:64:A:LEU:H	9	0.19
(2,794)	1:36:A:VAL:HG11	1:36:A:VAL:H	15	0.19
(2,794)	1:36:A:VAL:HG12	1:36:A:VAL:H	15	0.19
(2,794)	1:36:A:VAL:HG13	1:36:A:VAL:H	15	0.19
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB1	3	0.19
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB2	3	0.19
(2,774)	1:31:A:ALA:HA	1:34:A:ALA:HB3	3	0.19
(2,651)	1:28:A:LEU:HD21	1:29:A:VAL:H	13	0.19
(2,651)	1:28:A:LEU:HD22	1:29:A:VAL:H	13	0.19
(2,651)	1:28:A:LEU:HD23	1:29:A:VAL:H	13	0.19
(2,533)	1:24:A:THR:HB	1:25:A:LEU:HB2	2	0.19
(2,533)	1:24:A:THR:HB	1:25:A:LEU:HB2	13	0.19
(2,525)	1:96:A:THR:HB	1:96:A:THR:H	1	0.19
(2,525)	1:96:A:THR:HB	1:96:A:THR:H	7	0.19
(2,525)	1:96:A:THR:HB	1:96:A:THR:H	13	0.19
(2,496)	1:23:A:GLN:HA	1:23:A:GLN:HG2	14	0.19
(2,477)	1:25:A:LEU:HG	1:25:A:LEU:H	10	0.19
(2,477)	1:25:A:LEU:HG	1:25:A:LEU:H	16	0.19
(2,458)	1:20:A:GLN:HB3	1:16:A:LEU:HB3	3	0.19
(2,435)	1:21:A:GLN:HA	1:20:A:GLN:HA	4	0.19
(2,435)	1:21:A:GLN:HA	1:20:A:GLN:HA	12	0.19
(2,435)	1:21:A:GLN:HA	1:20:A:GLN:HA	15	0.19
(2,411)	1:19:A:GLN:HB3	1:19:A:GLN:H	13	0.19
(2,403)	1:19:A:GLN:HG2	1:20:A:GLN:H	13	0.19
(2,388)	1:45:A:ILE:HA	1:46:A:SER:H	16	0.19
(2,377)	1:18:A:PRO:HA	1:18:A:PRO:HB3	5	0.19
(2,377)	1:18:A:PRO:HA	1:18:A:PRO:HB3	11	0.19
(2,361)	1:16:A:LEU:HD21	1:17:A:SER:H	1	0.19
(2,361)	1:16:A:LEU:HD22	1:17:A:SER:H	1	0.19
(2,361)	1:16:A:LEU:HD23	1:17:A:SER:H	1	0.19
(2,361)	1:16:A:LEU:HD21	1:17:A:SER:H	14	0.19
(2,361)	1:16:A:LEU:HD22	1:17:A:SER:H	14	0.19
(2,361)	1:16:A:LEU:HD23	1:17:A:SER:H	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,361)	1:16:A:LEU:HD21	1:17:A:SER:H	16	0.19
(2,361)	1:16:A:LEU:HD22	1:17:A:SER:H	16	0.19
(2,361)	1:16:A:LEU:HD23	1:17:A:SER:H	16	0.19
(2,354)	1:16:A:LEU:HG	1:16:A:LEU:H	12	0.19
(2,337)	1:11:A:ALA:HA	1:14:A:ASN:HB2	2	0.19
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD21	15	0.19
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD22	15	0.19
(2,333)	1:14:A:ASN:HA	1:16:A:LEU:HD23	15	0.19
(2,314)	1:85:A:PRO:HD2	1:84:A:HIS:H	1	0.19
(2,279)	1:12:A:ARG:HD3	1:12:A:ARG:HA	4	0.19
(2,279)	1:12:A:ARG:HD3	1:12:A:ARG:HA	11	0.19
(2,279)	1:12:A:ARG:HD3	1:12:A:ARG:HA	15	0.19
(2,269)	1:12:A:ARG:HG2	1:13:A:LEU:H	2	0.19
(2,269)	1:12:A:ARG:HG2	1:13:A:LEU:H	8	0.19
(2,269)	1:12:A:ARG:HG2	1:13:A:LEU:H	12	0.19
(2,220)	1:13:A:LEU:HD21	1:10:A:ALA:HA	12	0.19
(2,220)	1:13:A:LEU:HD22	1:10:A:ALA:HA	12	0.19
(2,220)	1:13:A:LEU:HD23	1:10:A:ALA:HA	12	0.19
(2,220)	1:13:A:LEU:HD21	1:10:A:ALA:HA	15	0.19
(2,220)	1:13:A:LEU:HD22	1:10:A:ALA:HA	15	0.19
(2,220)	1:13:A:LEU:HD23	1:10:A:ALA:HA	15	0.19
(2,201)	1:6:A:ALA:HA	1:9:A:LEU:HB3	6	0.19
(2,201)	1:6:A:ALA:HA	1:9:A:LEU:HB3	11	0.19
(2,156)	1:71:A:ASN:HA	1:71:A:ASN:HD22	14	0.19
(2,82)	1:3:A:ALA:HA	1:4:A:SER:H	1	0.19
(2,52)	1:51:A:PHE:HD1	1:85:A:PRO:HA	1	0.19
(2,52)	1:51:A:PHE:HD2	1:85:A:PRO:HA	1	0.19
(2,52)	1:51:A:PHE:HD1	1:85:A:PRO:HA	2	0.19
(2,52)	1:51:A:PHE:HD2	1:85:A:PRO:HA	2	0.19
(2,34)	1:90:A:LEU:HB3	1:51:A:PHE:HZ	10	0.19
(2,33)	1:84:A:HIS:HB2	1:84:A:HIS:HD2	1	0.19
(2,33)	1:84:A:HIS:HB2	1:84:A:HIS:HD2	3	0.19
(2,33)	1:84:A:HIS:HB2	1:84:A:HIS:HD2	7	0.19
(2,33)	1:84:A:HIS:HB2	1:84:A:HIS:HD2	8	0.19
(2,33)	1:84:A:HIS:HB2	1:84:A:HIS:HD2	9	0.19
(2,20)	1:102:A:HIS:HB2	1:102:A:HIS:HD2	14	0.19
(2,18)	1:21:A:GLN:HB3	1:95:A:HIS:HD2	13	0.19
(2,18)	1:21:A:GLN:HB3	1:95:A:HIS:HD2	16	0.19
(1,601)	1:33:A:THR:H	1:34:A:ALA:H	6	0.19
(1,601)	1:33:A:THR:H	1:34:A:ALA:H	9	0.19
(1,601)	1:33:A:THR:H	1:34:A:ALA:H	12	0.19
(1,601)	1:33:A:THR:H	1:34:A:ALA:H	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,532)	1:93:A:HIS:H	1:93:A:HIS:HD2	14	0.19
(1,529)	1:65:A:ARG:H	1:64:A:LEU:HB3	11	0.19
(1,529)	1:65:A:ARG:H	1:64:A:LEU:HB3	15	0.19
(1,516)	1:82:A:PHE:H	1:82:A:PHE:HB2	1	0.19
(1,516)	1:82:A:PHE:H	1:82:A:PHE:HB2	10	0.19
(1,516)	1:82:A:PHE:H	1:82:A:PHE:HB2	15	0.19
(1,445)	1:3:A:ALA:H	1:3:A:ALA:HA	1	0.19
(1,443)	1:75:A:ASP:H	1:74:A:LEU:HB2	13	0.19
(1,440)	1:75:A:ASP:H	1:74:A:LEU:HA	10	0.19
(1,440)	1:75:A:ASP:H	1:74:A:LEU:HA	16	0.19
(1,438)	1:75:A:ASP:H	1:76:A:LEU:H	7	0.19
(1,350)	1:17:A:SER:H	1:16:A:LEU:HB3	1	0.19
(1,350)	1:17:A:SER:H	1:16:A:LEU:HB3	15	0.19
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB1	1	0.19
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB2	1	0.19
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB3	1	0.19
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB1	2	0.19
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB2	2	0.19
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB3	2	0.19
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB1	5	0.19
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB2	5	0.19
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB3	5	0.19
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB1	7	0.19
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB2	7	0.19
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB3	7	0.19
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB1	10	0.19
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB2	10	0.19
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB3	10	0.19
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB1	12	0.19
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB2	12	0.19
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB3	12	0.19
(1,275)	1:81:A:ILE:H	1:82:A:PHE:H	3	0.19
(1,239)	1:45:A:ILE:H	1:45:A:ILE:HG13	5	0.19
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG21	1	0.19
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG22	1	0.19
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG23	1	0.19
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG21	5	0.19
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG22	5	0.19
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG23	5	0.19
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG21	11	0.19
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG22	11	0.19
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG23	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,171)	1:28:A:LEU:H	1:28:A:LEU:HB3	7	0.19
(1,171)	1:28:A:LEU:H	1:28:A:LEU:HB3	8	0.19
(1,171)	1:28:A:LEU:H	1:28:A:LEU:HB3	11	0.19
(1,171)	1:28:A:LEU:H	1:28:A:LEU:HB3	13	0.19
(1,171)	1:28:A:LEU:H	1:28:A:LEU:HB3	15	0.19
(1,125)	1:21:A:GLN:H	1:21:A:GLN:HB2	5	0.19
(1,125)	1:21:A:GLN:H	1:21:A:GLN:HB2	8	0.19
(1,110)	1:52:A:LYS:H	1:52:A:LYS:HG3	13	0.19
(1,95)	1:71:A:ASN:HD22	1:71:A:ASN:HA	14	0.19
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD11	7	0.19
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD12	7	0.19
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD13	7	0.19
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD11	8	0.19
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD12	8	0.19
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD13	8	0.19
(1,74)	1:89:A:ALA:H	1:88:A:HIS:H	5	0.19
(1,74)	1:89:A:ALA:H	1:88:A:HIS:H	10	0.19
(1,74)	1:89:A:ALA:H	1:88:A:HIS:H	13	0.19
(1,68)	1:20:A:GLN:H	1:21:A:GLN:H	3	0.19
(1,38)	1:73:A:GLY:H	1:74:A:LEU:H	4	0.19
(1,38)	1:73:A:GLY:H	1:74:A:LEU:H	9	0.19
(1,38)	1:73:A:GLY:H	1:74:A:LEU:H	12	0.19
(1,29)	1:62:A:LEU:H	1:61:A:ALA:H	1	0.19
(1,29)	1:62:A:LEU:H	1:61:A:ALA:H	12	0.19
(1,29)	1:62:A:LEU:H	1:61:A:ALA:H	13	0.19
(1,29)	1:62:A:LEU:H	1:61:A:ALA:H	14	0.19
(1,29)	1:62:A:LEU:H	1:61:A:ALA:H	16	0.19
(1,25)	1:83:A:ASP:H	1:84:A:HIS:H	4	0.19
(1,25)	1:83:A:ASP:H	1:84:A:HIS:H	14	0.19
(1,23)	1:44:A:SER:H	1:45:A:ILE:H	2	0.19
(1,20)	1:35:A:THR:H	1:34:A:ALA:H	13	0.19
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB1	9	0.18
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB2	9	0.18
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB3	9	0.18
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB1	15	0.18
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB2	15	0.18
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB3	15	0.18
(2,1907)	1:55:A:GLY:HA2	1:56:A:ILE:HB	6	0.18
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB1	1	0.18
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB2	1	0.18
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB3	1	0.18
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB1	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB2	1	0.18
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB3	1	0.18
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB1	12	0.18
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB2	12	0.18
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB3	12	0.18
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB1	12	0.18
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB2	12	0.18
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB3	12	0.18
(2,1850)	1:70:A:HIS:HD2	1:70:A:HIS:HB3	5	0.18
(2,1850)	1:70:A:HIS:HD2	1:70:A:HIS:HB3	7	0.18
(2,1850)	1:70:A:HIS:HD2	1:70:A:HIS:HB3	14	0.18
(2,1850)	1:70:A:HIS:HD2	1:70:A:HIS:HB3	15	0.18
(2,1848)	1:95:A:HIS:HD2	1:22:A:GLN:H	13	0.18
(2,1844)	1:15:A:GLY:HA3	1:14:A:ASN:HB2	4	0.18
(2,1823)	1:67:A:THR:HB	1:36:A:VAL:HG11	8	0.18
(2,1823)	1:67:A:THR:HB	1:36:A:VAL:HG12	8	0.18
(2,1823)	1:67:A:THR:HB	1:36:A:VAL:HG13	8	0.18
(2,1789)	1:99:A:THR:HA	1:98:A:LEU:H	9	0.18
(2,1789)	1:99:A:THR:HA	1:98:A:LEU:H	16	0.18
(2,1769)	1:97:A:ARG:HA	1:97:A:ARG:HG3	14	0.18
(2,1763)	1:41:A:THR:HG21	1:40:A:HIS:HB2	1	0.18
(2,1763)	1:41:A:THR:HG22	1:40:A:HIS:HB2	1	0.18
(2,1763)	1:41:A:THR:HG23	1:40:A:HIS:HB2	1	0.18
(2,1755)	1:92:A:GLN:HA	1:95:A:HIS:HB3	11	0.18
(2,1755)	1:92:A:GLN:HA	1:95:A:HIS:HB3	16	0.18
(2,1729)	1:93:A:HIS:HA	1:90:A:LEU:HA	16	0.18
(2,1720)	1:92:A:GLN:HG3	1:89:A:ALA:HA	3	0.18
(2,1710)	1:92:A:GLN:HB2	1:89:A:ALA:HA	2	0.18
(2,1710)	1:92:A:GLN:HB2	1:89:A:ALA:HA	9	0.18
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD11	11	0.18
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD12	11	0.18
(2,1687)	1:90:A:LEU:HD21	1:64:A:LEU:HD13	11	0.18
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD11	11	0.18
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD12	11	0.18
(2,1687)	1:90:A:LEU:HD22	1:64:A:LEU:HD13	11	0.18
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD11	11	0.18
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD12	11	0.18
(2,1687)	1:90:A:LEU:HD23	1:64:A:LEU:HD13	11	0.18
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE1	10	0.18
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE2	10	0.18
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE1	10	0.18
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE2	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE1	10	0.18
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE2	10	0.18
(2,1668)	1:90:A:LEU:HA	1:94:A:LEU:HD11	13	0.18
(2,1668)	1:90:A:LEU:HA	1:94:A:LEU:HD12	13	0.18
(2,1668)	1:90:A:LEU:HA	1:94:A:LEU:HD13	13	0.18
(2,1659)	1:89:A:ALA:HB1	1:90:A:LEU:H	6	0.18
(2,1659)	1:89:A:ALA:HB2	1:90:A:LEU:H	6	0.18
(2,1659)	1:89:A:ALA:HB3	1:90:A:LEU:H	6	0.18
(2,1659)	1:89:A:ALA:HB1	1:90:A:LEU:H	11	0.18
(2,1659)	1:89:A:ALA:HB2	1:90:A:LEU:H	11	0.18
(2,1659)	1:89:A:ALA:HB3	1:90:A:LEU:H	11	0.18
(2,1659)	1:89:A:ALA:HB1	1:90:A:LEU:H	13	0.18
(2,1659)	1:89:A:ALA:HB2	1:90:A:LEU:H	13	0.18
(2,1659)	1:89:A:ALA:HB3	1:90:A:LEU:H	13	0.18
(2,1659)	1:89:A:ALA:HB1	1:90:A:LEU:H	14	0.18
(2,1659)	1:89:A:ALA:HB2	1:90:A:LEU:H	14	0.18
(2,1659)	1:89:A:ALA:HB3	1:90:A:LEU:H	14	0.18
(2,1659)	1:89:A:ALA:HB1	1:90:A:LEU:H	16	0.18
(2,1659)	1:89:A:ALA:HB2	1:90:A:LEU:H	16	0.18
(2,1659)	1:89:A:ALA:HB3	1:90:A:LEU:H	16	0.18
(2,1650)	1:89:A:ALA:HB1	1:85:A:PRO:HD2	7	0.18
(2,1650)	1:89:A:ALA:HB2	1:85:A:PRO:HD2	7	0.18
(2,1650)	1:89:A:ALA:HB3	1:85:A:PRO:HD2	7	0.18
(2,1602)	1:86:A:THR:HB	1:88:A:HIS:H	2	0.18
(2,1569)	1:83:A:ASP:HB3	1:84:A:HIS:H	2	0.18
(2,1569)	1:83:A:ASP:HB3	1:84:A:HIS:H	3	0.18
(2,1566)	1:83:A:ASP:HB2	1:83:A:ASP:H	12	0.18
(2,1542)	1:81:A:ILE:HA	1:84:A:HIS:H	4	0.18
(2,1542)	1:81:A:ILE:HA	1:84:A:HIS:H	11	0.18
(2,1542)	1:81:A:ILE:HA	1:84:A:HIS:H	12	0.18
(2,1490)	1:79:A:THR:HA	1:79:A:THR:HB	13	0.18
(2,1468)	1:74:A:LEU:HA	1:75:A:ASP:H	4	0.18
(2,1462)	1:73:A:GLY:HA2	1:73:A:GLY:H	3	0.18
(2,1448)	1:95:A:HIS:HB3	1:95:A:HIS:H	3	0.18
(2,1445)	1:88:A:HIS:HB2	1:88:A:HIS:H	2	0.18
(2,1444)	1:88:A:HIS:HB3	1:88:A:HIS:H	3	0.18
(2,1444)	1:88:A:HIS:HB3	1:88:A:HIS:H	11	0.18
(2,1426)	1:88:A:HIS:HD2	1:92:A:GLN:HG3	7	0.18
(2,1400)	1:45:A:ILE:HD11	1:45:A:ILE:HA	1	0.18
(2,1400)	1:45:A:ILE:HD12	1:45:A:ILE:HA	1	0.18
(2,1400)	1:45:A:ILE:HD13	1:45:A:ILE:HA	1	0.18
(2,1400)	1:45:A:ILE:HD11	1:45:A:ILE:HA	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1400)	1:45:A:ILE:HD12	1:45:A:ILE:HA	2	0.18
(2,1400)	1:45:A:ILE:HD13	1:45:A:ILE:HA	2	0.18
(2,1400)	1:45:A:ILE:HD11	1:45:A:ILE:HA	6	0.18
(2,1400)	1:45:A:ILE:HD12	1:45:A:ILE:HA	6	0.18
(2,1400)	1:45:A:ILE:HD13	1:45:A:ILE:HA	6	0.18
(2,1367)	1:97:A:ARG:HB2	1:98:A:LEU:H	10	0.18
(2,1367)	1:97:A:ARG:HB2	1:98:A:LEU:H	15	0.18
(2,1358)	1:70:A:HIS:HB3	1:71:A:ASN:HD22	16	0.18
(2,1350)	1:70:A:HIS:HB3	1:71:A:ASN:H	14	0.18
(2,1334)	1:69:A:THR:HA	1:74:A:LEU:H	9	0.18
(2,1301)	1:66:A:ASN:HB2	1:65:A:ARG:H	12	0.18
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	10	0.18
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD12	10	0.18
(2,1286)	1:65:A:ARG:HB2	1:62:A:LEU:HD13	10	0.18
(2,1281)	1:65:A:ARG:HB2	1:65:A:ARG:HA	2	0.18
(2,1281)	1:65:A:ARG:HB2	1:65:A:ARG:HA	3	0.18
(2,1281)	1:65:A:ARG:HB2	1:65:A:ARG:HA	4	0.18
(2,1281)	1:65:A:ARG:HB2	1:65:A:ARG:HA	5	0.18
(2,1281)	1:65:A:ARG:HB2	1:65:A:ARG:HA	12	0.18
(2,1281)	1:65:A:ARG:HB2	1:65:A:ARG:HA	14	0.18
(2,1276)	1:65:A:ARG:HA	1:62:A:LEU:HA	11	0.18
(2,1224)	1:63:A:GLU:HG2	1:63:A:GLU:HA	3	0.18
(2,1224)	1:63:A:GLU:HG2	1:63:A:GLU:HA	5	0.18
(2,1224)	1:63:A:GLU:HG2	1:63:A:GLU:HA	10	0.18
(2,1224)	1:63:A:GLU:HG2	1:63:A:GLU:HA	13	0.18
(2,1203)	1:62:A:LEU:HG	1:63:A:GLU:H	12	0.18
(2,1174)	1:61:A:ALA:HB1	1:58:A:SER:HB2	9	0.18
(2,1174)	1:61:A:ALA:HB2	1:58:A:SER:HB2	9	0.18
(2,1174)	1:61:A:ALA:HB3	1:58:A:SER:HB2	9	0.18
(2,1171)	1:61:A:ALA:HB1	1:64:A:LEU:HB3	11	0.18
(2,1171)	1:61:A:ALA:HB2	1:64:A:LEU:HB3	11	0.18
(2,1171)	1:61:A:ALA:HB3	1:64:A:LEU:HB3	11	0.18
(2,1171)	1:61:A:ALA:HB1	1:64:A:LEU:HB3	15	0.18
(2,1171)	1:61:A:ALA:HB2	1:64:A:LEU:HB3	15	0.18
(2,1171)	1:61:A:ALA:HB3	1:64:A:LEU:HB3	15	0.18
(2,1157)	1:56:A:ILE:HD11	1:60:A:THR:HB	6	0.18
(2,1157)	1:56:A:ILE:HD12	1:60:A:THR:HB	6	0.18
(2,1157)	1:56:A:ILE:HD13	1:60:A:THR:HB	6	0.18
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD21	4	0.18
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD22	4	0.18
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD23	4	0.18
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD21	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD22	8	0.18
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD23	8	0.18
(2,1138)	1:86:A:THR:HA	1:86:A:THR:H	5	0.18
(2,1138)	1:86:A:THR:HA	1:86:A:THR:H	8	0.18
(2,1073)	1:54:A:LEU:HG	1:54:A:LEU:HB2	10	0.18
(2,1054)	1:52:A:LYS:HG2	1:53:A:ASP:H	6	0.18
(2,1054)	1:52:A:LYS:HG2	1:53:A:ASP:H	8	0.18
(2,1054)	1:52:A:LYS:HG2	1:53:A:ASP:H	10	0.18
(2,1029)	1:51:A:PHE:HB3	1:52:A:LYS:HG2	4	0.18
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD21	1	0.18
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD22	1	0.18
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD23	1	0.18
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD21	3	0.18
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD22	3	0.18
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD23	3	0.18
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD11	4	0.18
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD12	4	0.18
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD13	4	0.18
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD11	4	0.18
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD12	4	0.18
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD13	4	0.18
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD11	4	0.18
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD12	4	0.18
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD13	4	0.18
(2,997)	1:49:A:THR:HG21	1:54:A:LEU:HG	9	0.18
(2,997)	1:49:A:THR:HG22	1:54:A:LEU:HG	9	0.18
(2,997)	1:49:A:THR:HG23	1:54:A:LEU:HG	9	0.18
(2,997)	1:49:A:THR:HG21	1:54:A:LEU:HG	15	0.18
(2,997)	1:49:A:THR:HG22	1:54:A:LEU:HG	15	0.18
(2,997)	1:49:A:THR:HG23	1:54:A:LEU:HG	15	0.18
(2,977)	1:49:A:THR:HB	1:49:A:THR:H	10	0.18
(2,963)	1:93:A:HIS:HB2	1:93:A:HIS:HA	10	0.18
(2,960)	1:47:A:PRO:HD2	1:46:A:SER:HB3	7	0.18
(2,960)	1:47:A:PRO:HD2	1:46:A:SER:HB3	16	0.18
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB1	5	0.18
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB2	5	0.18
(2,949)	1:46:A:SER:HB3	1:48:A:ALA:HB3	5	0.18
(2,932)	1:45:A:ILE:HG13	1:42:A:PRO:HA	2	0.18
(2,932)	1:45:A:ILE:HG13	1:42:A:PRO:HA	9	0.18
(2,932)	1:45:A:ILE:HG13	1:42:A:PRO:HA	10	0.18
(2,922)	1:44:A:SER:HB2	1:41:A:THR:HG21	1	0.18
(2,922)	1:44:A:SER:HB2	1:41:A:THR:HG22	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,922)	1:44:A:SER:HB2	1:41:A:THR:HG23	1	0.18
(2,876)	1:42:A:PRO:HB2	1:43:A:GLU:H	2	0.18
(2,876)	1:42:A:PRO:HB2	1:43:A:GLU:H	9	0.18
(2,876)	1:42:A:PRO:HB2	1:43:A:GLU:H	11	0.18
(2,876)	1:42:A:PRO:HB2	1:43:A:GLU:H	16	0.18
(2,872)	1:42:A:PRO:HA	1:30:A:ALA:HB1	10	0.18
(2,872)	1:42:A:PRO:HA	1:30:A:ALA:HB2	10	0.18
(2,872)	1:42:A:PRO:HA	1:30:A:ALA:HB3	10	0.18
(2,857)	1:37:A:LEU:HD21	1:54:A:LEU:H	15	0.18
(2,857)	1:37:A:LEU:HD22	1:54:A:LEU:H	15	0.18
(2,857)	1:37:A:LEU:HD23	1:54:A:LEU:H	15	0.18
(2,827)	1:36:A:VAL:HG11	1:64:A:LEU:H	1	0.18
(2,827)	1:36:A:VAL:HG12	1:64:A:LEU:H	1	0.18
(2,827)	1:36:A:VAL:HG13	1:64:A:LEU:H	1	0.18
(2,827)	1:36:A:VAL:HG11	1:64:A:LEU:H	7	0.18
(2,827)	1:36:A:VAL:HG12	1:64:A:LEU:H	7	0.18
(2,827)	1:36:A:VAL:HG13	1:64:A:LEU:H	7	0.18
(2,827)	1:36:A:VAL:HG11	1:64:A:LEU:H	10	0.18
(2,827)	1:36:A:VAL:HG12	1:64:A:LEU:H	10	0.18
(2,827)	1:36:A:VAL:HG13	1:64:A:LEU:H	10	0.18
(2,823)	1:36:A:VAL:HG11	1:33:A:THR:HA	10	0.18
(2,823)	1:36:A:VAL:HG12	1:33:A:THR:HA	10	0.18
(2,823)	1:36:A:VAL:HG13	1:33:A:THR:HA	10	0.18
(2,823)	1:36:A:VAL:HG11	1:33:A:THR:HA	13	0.18
(2,823)	1:36:A:VAL:HG12	1:33:A:THR:HA	13	0.18
(2,823)	1:36:A:VAL:HG13	1:33:A:THR:HA	13	0.18
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG21	3	0.18
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG22	3	0.18
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG23	3	0.18
(2,765)	1:61:A:ALA:HA	1:56:A:ILE:HB	9	0.18
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB1	9	0.18
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB2	9	0.18
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB3	9	0.18
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB1	11	0.18
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB2	11	0.18
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB3	11	0.18
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG21	4	0.18
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG22	4	0.18
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG23	4	0.18
(2,571)	1:32:A:ALA:HA	1:34:A:ALA:H	10	0.18
(2,533)	1:24:A:THR:HB	1:25:A:LEU:HB2	3	0.18
(2,527)	1:24:A:THR:HB	1:24:A:THR:H	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,527)	1:24:A:THR:HB	1:24:A:THR:H	4	0.18
(2,527)	1:24:A:THR:HB	1:24:A:THR:H	5	0.18
(2,527)	1:24:A:THR:HB	1:24:A:THR:H	6	0.18
(2,525)	1:96:A:THR:HB	1:96:A:THR:H	6	0.18
(2,506)	1:23:A:GLN:HB2	1:24:A:THR:H	4	0.18
(2,496)	1:23:A:GLN:HA	1:23:A:GLN:HG2	4	0.18
(2,435)	1:21:A:GLN:HA	1:20:A:GLN:HA	10	0.18
(2,411)	1:19:A:GLN:HB3	1:19:A:GLN:H	2	0.18
(2,411)	1:19:A:GLN:HB3	1:19:A:GLN:H	6	0.18
(2,402)	1:22:A:GLN:HB2	1:23:A:GLN:H	9	0.18
(2,401)	1:22:A:GLN:HB3	1:23:A:GLN:H	10	0.18
(2,389)	1:19:A:GLN:HA	1:19:A:GLN:H	9	0.18
(2,389)	1:19:A:GLN:HA	1:19:A:GLN:H	13	0.18
(2,377)	1:18:A:PRO:HA	1:18:A:PRO:HB3	1	0.18
(2,377)	1:18:A:PRO:HA	1:18:A:PRO:HB3	2	0.18
(2,377)	1:18:A:PRO:HA	1:18:A:PRO:HB3	3	0.18
(2,377)	1:18:A:PRO:HA	1:18:A:PRO:HB3	4	0.18
(2,377)	1:18:A:PRO:HA	1:18:A:PRO:HB3	7	0.18
(2,377)	1:18:A:PRO:HA	1:18:A:PRO:HB3	8	0.18
(2,377)	1:18:A:PRO:HA	1:18:A:PRO:HB3	9	0.18
(2,377)	1:18:A:PRO:HA	1:18:A:PRO:HB3	12	0.18
(2,377)	1:18:A:PRO:HA	1:18:A:PRO:HB3	13	0.18
(2,377)	1:18:A:PRO:HA	1:18:A:PRO:HB3	14	0.18
(2,377)	1:18:A:PRO:HA	1:18:A:PRO:HB3	15	0.18
(2,377)	1:18:A:PRO:HA	1:18:A:PRO:HB3	16	0.18
(2,361)	1:16:A:LEU:HD21	1:17:A:SER:H	4	0.18
(2,361)	1:16:A:LEU:HD22	1:17:A:SER:H	4	0.18
(2,361)	1:16:A:LEU:HD23	1:17:A:SER:H	4	0.18
(2,359)	1:16:A:LEU:HD21	1:21:A:GLN:HG2	3	0.18
(2,359)	1:16:A:LEU:HD22	1:21:A:GLN:HG2	3	0.18
(2,359)	1:16:A:LEU:HD23	1:21:A:GLN:HG2	3	0.18
(2,344)	1:15:A:GLY:HA3	1:15:A:GLY:H	1	0.18
(2,344)	1:15:A:GLY:HA3	1:15:A:GLY:H	2	0.18
(2,344)	1:15:A:GLY:HA3	1:15:A:GLY:H	7	0.18
(2,344)	1:15:A:GLY:HA3	1:15:A:GLY:H	15	0.18
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD21	12	0.18
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD22	12	0.18
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD23	12	0.18
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD21	14	0.18
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD22	14	0.18
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD23	14	0.18
(2,314)	1:85:A:PRO:HD2	1:84:A:HIS:H	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,274)	1:12:A:ARG:HB2	1:12:A:ARG:HD3	4	0.18
(2,269)	1:12:A:ARG:HG2	1:13:A:LEU:H	15	0.18
(2,237)	1:50:A:ALA:HB1	1:85:A:PRO:HB3	9	0.18
(2,237)	1:50:A:ALA:HB2	1:85:A:PRO:HB3	9	0.18
(2,237)	1:50:A:ALA:HB3	1:85:A:PRO:HB3	9	0.18
(2,237)	1:50:A:ALA:HB1	1:85:A:PRO:HB3	14	0.18
(2,237)	1:50:A:ALA:HB2	1:85:A:PRO:HB3	14	0.18
(2,237)	1:50:A:ALA:HB3	1:85:A:PRO:HB3	14	0.18
(2,201)	1:6:A:ALA:HA	1:9:A:LEU:HB3	4	0.18
(2,156)	1:71:A:ASN:HA	1:71:A:ASN:HD22	1	0.18
(2,156)	1:71:A:ASN:HA	1:71:A:ASN:HD22	2	0.18
(2,156)	1:71:A:ASN:HA	1:71:A:ASN:HD22	3	0.18
(2,111)	1:6:A:ALA:HB1	1:4:A:SER:HB3	8	0.18
(2,111)	1:6:A:ALA:HB2	1:4:A:SER:HB3	8	0.18
(2,111)	1:6:A:ALA:HB3	1:4:A:SER:HB3	8	0.18
(2,52)	1:51:A:PHE:HD1	1:85:A:PRO:HA	6	0.18
(2,52)	1:51:A:PHE:HD2	1:85:A:PRO:HA	6	0.18
(2,33)	1:84:A:HIS:HB2	1:84:A:HIS:HD2	14	0.18
(2,22)	1:40:A:HIS:HD2	1:40:A:HIS:HB2	8	0.18
(2,18)	1:21:A:GLN:HB3	1:95:A:HIS:HD2	10	0.18
(2,7)	1:9:A:LEU:HD11	1:71:A:ASN:HA	9	0.18
(2,7)	1:9:A:LEU:HD12	1:71:A:ASN:HA	9	0.18
(2,7)	1:9:A:LEU:HD13	1:71:A:ASN:HA	9	0.18
(1,601)	1:33:A:THR:H	1:34:A:ALA:H	2	0.18
(1,601)	1:33:A:THR:H	1:34:A:ALA:H	4	0.18
(1,601)	1:33:A:THR:H	1:34:A:ALA:H	7	0.18
(1,600)	1:33:A:THR:H	1:30:A:ALA:HA	5	0.18
(1,592)	1:101:A:SER:H	1:101:A:SER:HB2	4	0.18
(1,532)	1:93:A:HIS:H	1:93:A:HIS:HD2	7	0.18
(1,532)	1:93:A:HIS:H	1:93:A:HIS:HD2	11	0.18
(1,490)	1:102:A:HIS:H	1:102:A:HIS:HB3	8	0.18
(1,440)	1:75:A:ASP:H	1:74:A:LEU:HA	3	0.18
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD21	3	0.18
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD22	3	0.18
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD23	3	0.18
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD21	10	0.18
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD22	10	0.18
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD23	10	0.18
(1,386)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	11	0.18
(1,376)	1:58:A:SER:H	1:58:A:SER:HB3	16	0.18
(1,347)	1:17:A:SER:H	1:17:A:SER:HB2	16	0.18
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB1	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB2	6	0.18
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB3	6	0.18
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB1	11	0.18
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB2	11	0.18
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB3	11	0.18
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB1	13	0.18
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB2	13	0.18
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB3	13	0.18
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB1	14	0.18
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB2	14	0.18
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB3	14	0.18
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB1	16	0.18
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB2	16	0.18
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB3	16	0.18
(1,309)	1:56:A:ILE:H	1:51:A:PHE:HB2	8	0.18
(1,275)	1:81:A:ILE:H	1:82:A:PHE:H	15	0.18
(1,239)	1:45:A:ILE:H	1:45:A:ILE:HG13	8	0.18
(1,239)	1:45:A:ILE:H	1:45:A:ILE:HG13	15	0.18
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG21	2	0.18
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG22	2	0.18
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG23	2	0.18
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG21	9	0.18
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG22	9	0.18
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG23	9	0.18
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG21	10	0.18
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG22	10	0.18
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG23	10	0.18
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG21	15	0.18
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG22	15	0.18
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG23	15	0.18
(1,171)	1:28:A:LEU:H	1:28:A:LEU:HB3	1	0.18
(1,171)	1:28:A:LEU:H	1:28:A:LEU:HB3	2	0.18
(1,171)	1:28:A:LEU:H	1:28:A:LEU:HB3	3	0.18
(1,171)	1:28:A:LEU:H	1:28:A:LEU:HB3	4	0.18
(1,171)	1:28:A:LEU:H	1:28:A:LEU:HB3	9	0.18
(1,171)	1:28:A:LEU:H	1:28:A:LEU:HB3	10	0.18
(1,134)	1:26:A:ALA:H	1:25:A:LEU:HB2	7	0.18
(1,134)	1:26:A:ALA:H	1:25:A:LEU:HB2	14	0.18
(1,125)	1:21:A:GLN:H	1:21:A:GLN:HB2	3	0.18
(1,125)	1:21:A:GLN:H	1:21:A:GLN:HB2	6	0.18
(1,110)	1:52:A:LYS:H	1:52:A:LYS:HG3	1	0.18
(1,110)	1:52:A:LYS:H	1:52:A:LYS:HG3	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,103)	1:71:A:ASN:H	1:71:A:ASN:HB2	6	0.18
(1,103)	1:71:A:ASN:H	1:71:A:ASN:HB2	7	0.18
(1,95)	1:71:A:ASN:HD22	1:71:A:ASN:HA	1	0.18
(1,95)	1:71:A:ASN:HD22	1:71:A:ASN:HA	2	0.18
(1,95)	1:71:A:ASN:HD22	1:71:A:ASN:HA	3	0.18
(1,74)	1:89:A:ALA:H	1:88:A:HIS:H	4	0.18
(1,74)	1:89:A:ALA:H	1:88:A:HIS:H	6	0.18
(1,74)	1:89:A:ALA:H	1:88:A:HIS:H	9	0.18
(1,74)	1:89:A:ALA:H	1:88:A:HIS:H	15	0.18
(1,68)	1:20:A:GLN:H	1:21:A:GLN:H	11	0.18
(1,44)	1:79:A:THR:H	1:78:A:PRO:HA	14	0.18
(1,38)	1:73:A:GLY:H	1:74:A:LEU:H	3	0.18
(1,38)	1:73:A:GLY:H	1:74:A:LEU:H	8	0.18
(1,38)	1:73:A:GLY:H	1:74:A:LEU:H	14	0.18
(1,34)	1:73:A:GLY:H	1:72:A:THR:H	12	0.18
(1,29)	1:62:A:LEU:H	1:61:A:ALA:H	3	0.18
(1,29)	1:62:A:LEU:H	1:61:A:ALA:H	4	0.18
(1,29)	1:62:A:LEU:H	1:61:A:ALA:H	7	0.18
(1,29)	1:62:A:LEU:H	1:61:A:ALA:H	10	0.18
(1,29)	1:62:A:LEU:H	1:61:A:ALA:H	11	0.18
(1,29)	1:62:A:LEU:H	1:61:A:ALA:H	15	0.18
(1,23)	1:44:A:SER:H	1:45:A:ILE:H	15	0.18
(1,22)	1:43:A:GLU:H	1:44:A:SER:H	1	0.18
(1,7)	1:61:A:ALA:H	1:57:A:ASP:H	5	0.18
(2,1914)	1:91:A:THR:HB	1:92:A:GLN:H	1	0.17
(2,1885)	1:13:A:LEU:HG	1:13:A:LEU:HA	6	0.17
(2,1850)	1:70:A:HIS:HD2	1:70:A:HIS:HB3	16	0.17
(2,1848)	1:95:A:HIS:HD2	1:22:A:GLN:H	1	0.17
(2,1844)	1:15:A:GLY:HA3	1:14:A:ASN:HB2	16	0.17
(2,1835)	1:13:A:LEU:HD21	1:95:A:HIS:HD2	3	0.17
(2,1835)	1:13:A:LEU:HD22	1:95:A:HIS:HD2	3	0.17
(2,1835)	1:13:A:LEU:HD23	1:95:A:HIS:HD2	3	0.17
(2,1835)	1:13:A:LEU:HD21	1:95:A:HIS:HD2	16	0.17
(2,1835)	1:13:A:LEU:HD22	1:95:A:HIS:HD2	16	0.17
(2,1835)	1:13:A:LEU:HD23	1:95:A:HIS:HD2	16	0.17
(2,1819)	1:5:A:ALA:HB1	1:8:A:ASP:HB2	3	0.17
(2,1819)	1:5:A:ALA:HB2	1:8:A:ASP:HB2	3	0.17
(2,1819)	1:5:A:ALA:HB3	1:8:A:ASP:HB2	3	0.17
(2,1789)	1:99:A:THR:HA	1:98:A:LEU:H	10	0.17
(2,1789)	1:99:A:THR:HA	1:98:A:LEU:H	12	0.17
(2,1763)	1:41:A:THR:HG21	1:40:A:HIS:HB2	6	0.17
(2,1763)	1:41:A:THR:HG22	1:40:A:HIS:HB2	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1763)	1:41:A:THR:HG23	1:40:A:HIS:HB2	6	0.17
(2,1755)	1:92:A:GLN:HA	1:95:A:HIS:HB3	2	0.17
(2,1755)	1:92:A:GLN:HA	1:95:A:HIS:HB3	15	0.17
(2,1741)	1:94:A:LEU:HA	1:74:A:LEU:HB2	6	0.17
(2,1736)	1:94:A:LEU:HA	1:93:A:HIS:HD2	10	0.17
(2,1714)	1:92:A:GLN:HG2	1:92:A:GLN:HA	8	0.17
(2,1710)	1:92:A:GLN:HB2	1:89:A:ALA:HA	1	0.17
(2,1710)	1:92:A:GLN:HB2	1:89:A:ALA:HA	16	0.17
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE1	7	0.17
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE2	7	0.17
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE1	7	0.17
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE2	7	0.17
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE1	7	0.17
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE2	7	0.17
(2,1678)	1:90:A:LEU:HD21	1:90:A:LEU:HB2	3	0.17
(2,1678)	1:90:A:LEU:HD22	1:90:A:LEU:HB2	3	0.17
(2,1678)	1:90:A:LEU:HD23	1:90:A:LEU:HB2	3	0.17
(2,1678)	1:90:A:LEU:HD21	1:90:A:LEU:HB2	11	0.17
(2,1678)	1:90:A:LEU:HD22	1:90:A:LEU:HB2	11	0.17
(2,1678)	1:90:A:LEU:HD23	1:90:A:LEU:HB2	11	0.17
(2,1666)	1:90:A:LEU:HB3	1:90:A:LEU:HA	9	0.17
(2,1659)	1:89:A:ALA:HB1	1:90:A:LEU:H	15	0.17
(2,1659)	1:89:A:ALA:HB2	1:90:A:LEU:H	15	0.17
(2,1659)	1:89:A:ALA:HB3	1:90:A:LEU:H	15	0.17
(2,1602)	1:86:A:THR:HB	1:88:A:HIS:H	3	0.17
(2,1602)	1:86:A:THR:HB	1:88:A:HIS:H	12	0.17
(2,1569)	1:83:A:ASP:HB3	1:84:A:HIS:H	5	0.17
(2,1569)	1:83:A:ASP:HB3	1:84:A:HIS:H	12	0.17
(2,1566)	1:83:A:ASP:HB2	1:83:A:ASP:H	1	0.17
(2,1566)	1:83:A:ASP:HB2	1:83:A:ASP:H	13	0.17
(2,1538)	1:98:A:LEU:HB3	1:99:A:THR:H	8	0.17
(2,1490)	1:79:A:THR:HA	1:79:A:THR:HB	16	0.17
(2,1473)	1:75:A:ASP:HB3	1:75:A:ASP:H	5	0.17
(2,1473)	1:75:A:ASP:HB3	1:75:A:ASP:H	10	0.17
(2,1462)	1:73:A:GLY:HA2	1:73:A:GLY:H	1	0.17
(2,1462)	1:73:A:GLY:HA2	1:73:A:GLY:H	5	0.17
(2,1462)	1:73:A:GLY:HA2	1:73:A:GLY:H	7	0.17
(2,1462)	1:73:A:GLY:HA2	1:73:A:GLY:H	8	0.17
(2,1462)	1:73:A:GLY:HA2	1:73:A:GLY:H	9	0.17
(2,1462)	1:73:A:GLY:HA2	1:73:A:GLY:H	12	0.17
(2,1462)	1:73:A:GLY:HA2	1:73:A:GLY:H	13	0.17
(2,1462)	1:73:A:GLY:HA2	1:73:A:GLY:H	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1462)	1:73:A:GLY:HA2	1:73:A:GLY:H	15	0.17
(2,1453)	1:40:A:HIS:HA	1:40:A:HIS:HB2	2	0.17
(2,1453)	1:40:A:HIS:HA	1:40:A:HIS:HB2	9	0.17
(2,1453)	1:40:A:HIS:HA	1:40:A:HIS:HB2	12	0.17
(2,1445)	1:88:A:HIS:HB2	1:88:A:HIS:H	9	0.17
(2,1444)	1:88:A:HIS:HB3	1:88:A:HIS:H	12	0.17
(2,1444)	1:88:A:HIS:HB3	1:88:A:HIS:H	13	0.17
(2,1444)	1:88:A:HIS:HB3	1:88:A:HIS:H	16	0.17
(2,1433)	1:71:A:ASN:HA	1:70:A:HIS:HD2	9	0.17
(2,1400)	1:45:A:ILE:HD11	1:45:A:ILE:HA	3	0.17
(2,1400)	1:45:A:ILE:HD12	1:45:A:ILE:HA	3	0.17
(2,1400)	1:45:A:ILE:HD13	1:45:A:ILE:HA	3	0.17
(2,1400)	1:45:A:ILE:HD11	1:45:A:ILE:HA	8	0.17
(2,1400)	1:45:A:ILE:HD12	1:45:A:ILE:HA	8	0.17
(2,1400)	1:45:A:ILE:HD13	1:45:A:ILE:HA	8	0.17
(2,1400)	1:45:A:ILE:HD11	1:45:A:ILE:HA	9	0.17
(2,1400)	1:45:A:ILE:HD12	1:45:A:ILE:HA	9	0.17
(2,1400)	1:45:A:ILE:HD13	1:45:A:ILE:HA	9	0.17
(2,1400)	1:45:A:ILE:HD11	1:45:A:ILE:HA	10	0.17
(2,1400)	1:45:A:ILE:HD12	1:45:A:ILE:HA	10	0.17
(2,1400)	1:45:A:ILE:HD13	1:45:A:ILE:HA	10	0.17
(2,1400)	1:45:A:ILE:HD11	1:45:A:ILE:HA	11	0.17
(2,1400)	1:45:A:ILE:HD12	1:45:A:ILE:HA	11	0.17
(2,1400)	1:45:A:ILE:HD13	1:45:A:ILE:HA	11	0.17
(2,1374)	1:97:A:ARG:HD2	1:97:A:ARG:HB3	2	0.17
(2,1339)	1:69:A:THR:HA	1:74:A:LEU:HB2	2	0.17
(2,1334)	1:69:A:THR:HA	1:74:A:LEU:H	1	0.17
(2,1301)	1:66:A:ASN:HB2	1:65:A:ARG:H	11	0.17
(2,1281)	1:65:A:ARG:HB2	1:65:A:ARG:HA	8	0.17
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD21	8	0.17
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD22	8	0.17
(2,1266)	1:64:A:LEU:HB3	1:64:A:LEU:HD23	8	0.17
(2,1224)	1:63:A:GLU:HG2	1:63:A:GLU:HA	7	0.17
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG11	11	0.17
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG12	11	0.17
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG13	11	0.17
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG21	15	0.17
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG22	15	0.17
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG23	15	0.17
(2,1215)	1:63:A:GLU:HA	1:66:A:ASN:H	11	0.17
(2,1204)	1:62:A:LEU:HG	1:59:A:LEU:HA	8	0.17
(2,1188)	1:62:A:LEU:HB3	1:63:A:GLU:H	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1171)	1:61:A:ALA:HB1	1:64:A:LEU:HB3	16	0.17
(2,1171)	1:61:A:ALA:HB2	1:64:A:LEU:HB3	16	0.17
(2,1171)	1:61:A:ALA:HB3	1:64:A:LEU:HB3	16	0.17
(2,1138)	1:86:A:THR:HA	1:86:A:THR:H	1	0.17
(2,1138)	1:86:A:THR:HA	1:86:A:THR:H	2	0.17
(2,1138)	1:86:A:THR:HA	1:86:A:THR:H	3	0.17
(2,1138)	1:86:A:THR:HA	1:86:A:THR:H	4	0.17
(2,1138)	1:86:A:THR:HA	1:86:A:THR:H	6	0.17
(2,1138)	1:86:A:THR:HA	1:86:A:THR:H	7	0.17
(2,1138)	1:86:A:THR:HA	1:86:A:THR:H	9	0.17
(2,1138)	1:86:A:THR:HA	1:86:A:THR:H	10	0.17
(2,1138)	1:86:A:THR:HA	1:86:A:THR:H	11	0.17
(2,1138)	1:86:A:THR:HA	1:86:A:THR:H	12	0.17
(2,1138)	1:86:A:THR:HA	1:86:A:THR:H	13	0.17
(2,1138)	1:86:A:THR:HA	1:86:A:THR:H	14	0.17
(2,1138)	1:86:A:THR:HA	1:86:A:THR:H	15	0.17
(2,1138)	1:86:A:THR:HA	1:86:A:THR:H	16	0.17
(2,1100)	1:81:A:ILE:HG21	1:90:A:LEU:HB2	5	0.17
(2,1100)	1:81:A:ILE:HG22	1:90:A:LEU:HB2	5	0.17
(2,1100)	1:81:A:ILE:HG23	1:90:A:LEU:HB2	5	0.17
(2,1073)	1:54:A:LEU:HG	1:54:A:LEU:HB2	2	0.17
(2,1073)	1:54:A:LEU:HG	1:54:A:LEU:HB2	6	0.17
(2,1073)	1:54:A:LEU:HG	1:54:A:LEU:HB2	8	0.17
(2,1073)	1:54:A:LEU:HG	1:54:A:LEU:HB2	13	0.17
(2,1054)	1:52:A:LYS:HG2	1:53:A:ASP:H	7	0.17
(2,1044)	1:52:A:LYS:HB2	1:52:A:LYS:HE2	6	0.17
(2,1006)	1:57:A:ASP:HA	1:57:A:ASP:H	16	0.17
(2,1005)	1:57:A:ASP:HA	1:57:A:ASP:HB2	1	0.17
(2,932)	1:45:A:ILE:HG13	1:42:A:PRO:HA	11	0.17
(2,920)	1:44:A:SER:HA	1:45:A:ILE:HD11	8	0.17
(2,920)	1:44:A:SER:HA	1:45:A:ILE:HD12	8	0.17
(2,920)	1:44:A:SER:HA	1:45:A:ILE:HD13	8	0.17
(2,897)	1:41:A:THR:HG21	1:44:A:SER:HB3	3	0.17
(2,897)	1:41:A:THR:HG22	1:44:A:SER:HB3	3	0.17
(2,897)	1:41:A:THR:HG23	1:44:A:SER:HB3	3	0.17
(2,889)	1:42:A:PRO:HD2	1:41:A:THR:HA	15	0.17
(2,882)	1:42:A:PRO:HD2	1:42:A:PRO:HG2	1	0.17
(2,882)	1:42:A:PRO:HD2	1:42:A:PRO:HG2	4	0.17
(2,882)	1:42:A:PRO:HD2	1:42:A:PRO:HG2	6	0.17
(2,882)	1:42:A:PRO:HD2	1:42:A:PRO:HG2	7	0.17
(2,882)	1:42:A:PRO:HD2	1:42:A:PRO:HG2	10	0.17
(2,882)	1:42:A:PRO:HD2	1:42:A:PRO:HG2	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,882)	1:42:A:PRO:HD2	1:42:A:PRO:HG2	14	0.17
(2,882)	1:42:A:PRO:HD2	1:42:A:PRO:HG2	15	0.17
(2,857)	1:37:A:LEU:HD21	1:54:A:LEU:H	14	0.17
(2,857)	1:37:A:LEU:HD22	1:54:A:LEU:H	14	0.17
(2,857)	1:37:A:LEU:HD23	1:54:A:LEU:H	14	0.17
(2,850)	1:74:A:LEU:HD21	1:74:A:LEU:HA	15	0.17
(2,850)	1:74:A:LEU:HD22	1:74:A:LEU:HA	15	0.17
(2,850)	1:74:A:LEU:HD23	1:74:A:LEU:HA	15	0.17
(2,845)	1:37:A:LEU:HD11	1:36:A:VAL:H	1	0.17
(2,845)	1:37:A:LEU:HD12	1:36:A:VAL:H	1	0.17
(2,845)	1:37:A:LEU:HD13	1:36:A:VAL:H	1	0.17
(2,845)	1:37:A:LEU:HD11	1:36:A:VAL:H	5	0.17
(2,845)	1:37:A:LEU:HD12	1:36:A:VAL:H	5	0.17
(2,845)	1:37:A:LEU:HD13	1:36:A:VAL:H	5	0.17
(2,845)	1:37:A:LEU:HD11	1:36:A:VAL:H	12	0.17
(2,845)	1:37:A:LEU:HD12	1:36:A:VAL:H	12	0.17
(2,845)	1:37:A:LEU:HD13	1:36:A:VAL:H	12	0.17
(2,827)	1:36:A:VAL:HG11	1:64:A:LEU:H	4	0.17
(2,827)	1:36:A:VAL:HG12	1:64:A:LEU:H	4	0.17
(2,827)	1:36:A:VAL:HG13	1:64:A:LEU:H	4	0.17
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG21	6	0.17
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG22	6	0.17
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG23	6	0.17
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB1	11	0.17
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB2	11	0.17
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB3	11	0.17
(2,785)	1:27:A:THR:HB	1:23:A:GLN:HB2	5	0.17
(2,785)	1:27:A:THR:HB	1:23:A:GLN:HB2	6	0.17
(2,735)	1:50:A:ALA:HB1	1:85:A:PRO:HB2	7	0.17
(2,735)	1:50:A:ALA:HB2	1:85:A:PRO:HB2	7	0.17
(2,735)	1:50:A:ALA:HB3	1:85:A:PRO:HB2	7	0.17
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB1	10	0.17
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB2	10	0.17
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB3	10	0.17
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB1	14	0.17
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB2	14	0.17
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB3	14	0.17
(2,651)	1:28:A:LEU:HD21	1:29:A:VAL:H	11	0.17
(2,651)	1:28:A:LEU:HD22	1:29:A:VAL:H	11	0.17
(2,651)	1:28:A:LEU:HD23	1:29:A:VAL:H	11	0.17
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB1	1	0.17
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB2	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB3	1	0.17
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB1	6	0.17
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB2	6	0.17
(2,610)	1:28:A:LEU:HA	1:31:A:ALA:HB3	6	0.17
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG21	3	0.17
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG22	3	0.17
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG23	3	0.17
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG21	12	0.17
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG22	12	0.17
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG23	12	0.17
(2,552)	1:25:A:LEU:HB3	1:25:A:LEU:HA	1	0.17
(2,552)	1:25:A:LEU:HB3	1:25:A:LEU:HA	14	0.17
(2,528)	1:35:A:THR:HB	1:35:A:THR:H	2	0.17
(2,527)	1:24:A:THR:HB	1:24:A:THR:H	15	0.17
(2,527)	1:24:A:THR:HB	1:24:A:THR:H	16	0.17
(2,525)	1:96:A:THR:HB	1:96:A:THR:H	11	0.17
(2,489)	1:22:A:GLN:HG3	1:22:A:GLN:HA	8	0.17
(2,477)	1:25:A:LEU:HG	1:25:A:LEU:H	13	0.17
(2,464)	1:20:A:GLN:HG3	1:20:A:GLN:HA	6	0.17
(2,435)	1:21:A:GLN:HA	1:20:A:GLN:HA	8	0.17
(2,435)	1:21:A:GLN:HA	1:20:A:GLN:HA	13	0.17
(2,411)	1:19:A:GLN:HB3	1:19:A:GLN:H	10	0.17
(2,411)	1:19:A:GLN:HB3	1:19:A:GLN:H	12	0.17
(2,402)	1:22:A:GLN:HB2	1:23:A:GLN:H	13	0.17
(2,389)	1:19:A:GLN:HA	1:19:A:GLN:H	14	0.17
(2,377)	1:18:A:PRO:HA	1:18:A:PRO:HB3	10	0.17
(2,361)	1:16:A:LEU:HD21	1:17:A:SER:H	2	0.17
(2,361)	1:16:A:LEU:HD22	1:17:A:SER:H	2	0.17
(2,361)	1:16:A:LEU:HD23	1:17:A:SER:H	2	0.17
(2,361)	1:16:A:LEU:HD21	1:17:A:SER:H	9	0.17
(2,361)	1:16:A:LEU:HD22	1:17:A:SER:H	9	0.17
(2,361)	1:16:A:LEU:HD23	1:17:A:SER:H	9	0.17
(2,344)	1:15:A:GLY:HA3	1:15:A:GLY:H	4	0.17
(2,344)	1:15:A:GLY:HA3	1:15:A:GLY:H	5	0.17
(2,344)	1:15:A:GLY:HA3	1:15:A:GLY:H	9	0.17
(2,344)	1:15:A:GLY:HA3	1:15:A:GLY:H	14	0.17
(2,344)	1:15:A:GLY:HA3	1:15:A:GLY:H	16	0.17
(2,274)	1:12:A:ARG:HB2	1:12:A:ARG:HD3	7	0.17
(2,274)	1:12:A:ARG:HB2	1:12:A:ARG:HD3	11	0.17
(2,274)	1:12:A:ARG:HB2	1:12:A:ARG:HD3	13	0.17
(2,201)	1:6:A:ALA:HA	1:9:A:LEU:HB3	3	0.17
(2,201)	1:6:A:ALA:HA	1:9:A:LEU:HB3	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,201)	1:6:A:ALA:HA	1:9:A:LEU:HB3	15	0.17
(2,156)	1:71:A:ASN:HA	1:71:A:ASN:HD22	4	0.17
(2,156)	1:71:A:ASN:HA	1:71:A:ASN:HD22	5	0.17
(2,156)	1:71:A:ASN:HA	1:71:A:ASN:HD22	16	0.17
(2,133)	1:35:A:THR:HG21	1:36:A:VAL:H	15	0.17
(2,133)	1:35:A:THR:HG22	1:36:A:VAL:H	15	0.17
(2,133)	1:35:A:THR:HG23	1:36:A:VAL:H	15	0.17
(2,111)	1:6:A:ALA:HB1	1:4:A:SER:HB3	3	0.17
(2,111)	1:6:A:ALA:HB2	1:4:A:SER:HB3	3	0.17
(2,111)	1:6:A:ALA:HB3	1:4:A:SER:HB3	3	0.17
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG21	2	0.17
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG22	2	0.17
(2,57)	1:81:A:ILE:HD11	1:81:A:ILE:HG23	2	0.17
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG21	2	0.17
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG22	2	0.17
(2,57)	1:81:A:ILE:HD12	1:81:A:ILE:HG23	2	0.17
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG21	2	0.17
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG22	2	0.17
(2,57)	1:81:A:ILE:HD13	1:81:A:ILE:HG23	2	0.17
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD11	8	0.17
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD12	8	0.17
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD13	8	0.17
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD11	8	0.17
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD12	8	0.17
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD13	8	0.17
(2,51)	1:51:A:PHE:HD1	1:51:A:PHE:HB3	8	0.17
(2,51)	1:51:A:PHE:HD2	1:51:A:PHE:HB3	8	0.17
(2,36)	1:82:A:PHE:HZ	1:58:A:SER:HA	10	0.17
(2,34)	1:90:A:LEU:HB3	1:51:A:PHE:HZ	6	0.17
(2,34)	1:90:A:LEU:HB3	1:51:A:PHE:HZ	14	0.17
(2,33)	1:84:A:HIS:HB2	1:84:A:HIS:HD2	5	0.17
(2,33)	1:84:A:HIS:HB2	1:84:A:HIS:HD2	11	0.17
(2,33)	1:84:A:HIS:HB2	1:84:A:HIS:HD2	15	0.17
(2,7)	1:9:A:LEU:HD11	1:71:A:ASN:HA	14	0.17
(2,7)	1:9:A:LEU:HD12	1:71:A:ASN:HA	14	0.17
(2,7)	1:9:A:LEU:HD13	1:71:A:ASN:HA	14	0.17
(1,601)	1:33:A:THR:H	1:34:A:ALA:H	1	0.17
(1,601)	1:33:A:THR:H	1:34:A:ALA:H	3	0.17
(1,601)	1:33:A:THR:H	1:34:A:ALA:H	5	0.17
(1,601)	1:33:A:THR:H	1:34:A:ALA:H	15	0.17
(1,601)	1:33:A:THR:H	1:34:A:ALA:H	16	0.17
(1,600)	1:33:A:THR:H	1:30:A:ALA:HA	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:22:A:GLN:H	1:21:A:GLN:HB2	1	0.17
(1,532)	1:93:A:HIS:H	1:93:A:HIS:HD2	9	0.17
(1,484)	1:68:A:LEU:H	1:67:A:THR:HB	12	0.17
(1,484)	1:68:A:LEU:H	1:67:A:THR:HB	13	0.17
(1,475)	1:68:A:LEU:H	1:68:A:LEU:HB2	7	0.17
(1,442)	1:75:A:ASP:H	1:75:A:ASP:HB3	5	0.17
(1,442)	1:75:A:ASP:H	1:75:A:ASP:HB3	10	0.17
(1,440)	1:75:A:ASP:H	1:74:A:LEU:HA	11	0.17
(1,440)	1:75:A:ASP:H	1:74:A:LEU:HA	13	0.17
(1,406)	1:48:A:ALA:H	1:47:A:PRO:HA	8	0.17
(1,398)	1:44:A:SER:H	1:43:A:GLU:HG2	14	0.17
(1,386)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	1	0.17
(1,386)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	2	0.17
(1,386)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	3	0.17
(1,386)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	4	0.17
(1,386)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	5	0.17
(1,386)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	6	0.17
(1,386)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	7	0.17
(1,386)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	8	0.17
(1,386)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	9	0.17
(1,386)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	10	0.17
(1,386)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	12	0.17
(1,386)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	13	0.17
(1,386)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	14	0.17
(1,386)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	15	0.17
(1,386)	1:66:A:ASN:HD21	1:66:A:ASN:HD22	16	0.17
(1,376)	1:58:A:SER:H	1:58:A:SER:HB3	3	0.17
(1,348)	1:17:A:SER:H	1:20:A:GLN:HB3	11	0.17
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB1	15	0.17
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB2	15	0.17
(1,339)	1:90:A:LEU:H	1:89:A:ALA:HB3	15	0.17
(1,273)	1:81:A:ILE:H	1:78:A:PRO:HA	15	0.17
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG21	3	0.17
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG22	3	0.17
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG23	3	0.17
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG21	8	0.17
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG22	8	0.17
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG23	8	0.17
(1,171)	1:28:A:LEU:H	1:28:A:LEU:HB3	5	0.17
(1,171)	1:28:A:LEU:H	1:28:A:LEU:HB3	6	0.17
(1,171)	1:28:A:LEU:H	1:28:A:LEU:HB3	12	0.17
(1,171)	1:28:A:LEU:H	1:28:A:LEU:HB3	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,134)	1:26:A:ALA:H	1:25:A:LEU:HB2	13	0.17
(1,130)	1:69:A:THR:H	1:69:A:THR:HB	4	0.17
(1,110)	1:52:A:LYS:H	1:52:A:LYS:HG3	8	0.17
(1,103)	1:71:A:ASN:H	1:71:A:ASN:HB2	4	0.17
(1,95)	1:71:A:ASN:HD22	1:71:A:ASN:HA	4	0.17
(1,95)	1:71:A:ASN:HD22	1:71:A:ASN:HA	5	0.17
(1,95)	1:71:A:ASN:HD22	1:71:A:ASN:HA	16	0.17
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD11	14	0.17
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD12	14	0.17
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD13	14	0.17
(1,74)	1:89:A:ALA:H	1:88:A:HIS:H	14	0.17
(1,68)	1:20:A:GLN:H	1:21:A:GLN:H	10	0.17
(1,68)	1:20:A:GLN:H	1:21:A:GLN:H	12	0.17
(1,68)	1:20:A:GLN:H	1:21:A:GLN:H	16	0.17
(1,44)	1:79:A:THR:H	1:78:A:PRO:HA	3	0.17
(1,40)	1:16:A:LEU:H	1:15:A:GLY:H	16	0.17
(1,23)	1:44:A:SER:H	1:45:A:ILE:H	10	0.17
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB1	5	0.16
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB2	5	0.16
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB3	5	0.16
(2,1907)	1:55:A:GLY:HA2	1:56:A:ILE:HB	10	0.16
(2,1885)	1:13:A:LEU:HG	1:13:A:LEU:HA	9	0.16
(2,1881)	1:13:A:LEU:HG	1:9:A:LEU:HG	5	0.16
(2,1850)	1:70:A:HIS:HD2	1:70:A:HIS:HB3	1	0.16
(2,1848)	1:95:A:HIS:HD2	1:22:A:GLN:H	9	0.16
(2,1844)	1:15:A:GLY:HA3	1:14:A:ASN:HB2	1	0.16
(2,1836)	1:13:A:LEU:HD21	1:13:A:LEU:H	11	0.16
(2,1836)	1:13:A:LEU:HD22	1:13:A:LEU:H	11	0.16
(2,1836)	1:13:A:LEU:HD23	1:13:A:LEU:H	11	0.16
(2,1819)	1:5:A:ALA:HB1	1:8:A:ASP:HB2	8	0.16
(2,1819)	1:5:A:ALA:HB2	1:8:A:ASP:HB2	8	0.16
(2,1819)	1:5:A:ALA:HB3	1:8:A:ASP:HB2	8	0.16
(2,1789)	1:99:A:THR:HA	1:98:A:LEU:H	15	0.16
(2,1769)	1:97:A:ARG:HA	1:97:A:ARG:HG3	10	0.16
(2,1769)	1:97:A:ARG:HA	1:97:A:ARG:HG3	15	0.16
(2,1718)	1:100:A:GLN:HG2	1:99:A:THR:HB	13	0.16
(2,1714)	1:92:A:GLN:HG2	1:92:A:GLN:HA	4	0.16
(2,1714)	1:92:A:GLN:HG2	1:92:A:GLN:HA	10	0.16
(2,1679)	1:90:A:LEU:HD21	1:90:A:LEU:HB3	10	0.16
(2,1679)	1:90:A:LEU:HD22	1:90:A:LEU:HB3	10	0.16
(2,1679)	1:90:A:LEU:HD23	1:90:A:LEU:HB3	10	0.16
(2,1678)	1:90:A:LEU:HD21	1:90:A:LEU:HB2	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1678)	1:90:A:LEU:HD22	1:90:A:LEU:HB2	12	0.16
(2,1678)	1:90:A:LEU:HD23	1:90:A:LEU:HB2	12	0.16
(2,1662)	1:90:A:LEU:HA	1:90:A:LEU:H	9	0.16
(2,1662)	1:90:A:LEU:HA	1:90:A:LEU:H	13	0.16
(2,1602)	1:86:A:THR:HB	1:88:A:HIS:H	13	0.16
(2,1569)	1:83:A:ASP:HB3	1:84:A:HIS:H	1	0.16
(2,1569)	1:83:A:ASP:HB3	1:84:A:HIS:H	4	0.16
(2,1566)	1:83:A:ASP:HB2	1:83:A:ASP:H	10	0.16
(2,1560)	1:82:A:PHE:HB2	1:83:A:ASP:H	12	0.16
(2,1542)	1:81:A:ILE:HA	1:84:A:HIS:H	16	0.16
(2,1499)	1:79:A:THR:HA	1:78:A:PRO:HB3	4	0.16
(2,1496)	1:79:A:THR:HA	1:80:A:LEU:H	15	0.16
(2,1490)	1:79:A:THR:HA	1:79:A:THR:HB	3	0.16
(2,1473)	1:75:A:ASP:HB3	1:75:A:ASP:H	13	0.16
(2,1462)	1:73:A:GLY:HA2	1:73:A:GLY:H	2	0.16
(2,1462)	1:73:A:GLY:HA2	1:73:A:GLY:H	4	0.16
(2,1462)	1:73:A:GLY:HA2	1:73:A:GLY:H	6	0.16
(2,1462)	1:73:A:GLY:HA2	1:73:A:GLY:H	11	0.16
(2,1462)	1:73:A:GLY:HA2	1:73:A:GLY:H	16	0.16
(2,1453)	1:40:A:HIS:HA	1:40:A:HIS:HB2	5	0.16
(2,1446)	1:95:A:HIS:HB3	1:96:A:THR:H	10	0.16
(2,1409)	1:56:A:ILE:HD11	1:37:A:LEU:H	1	0.16
(2,1409)	1:56:A:ILE:HD12	1:37:A:LEU:H	1	0.16
(2,1409)	1:56:A:ILE:HD13	1:37:A:LEU:H	1	0.16
(2,1404)	1:45:A:ILE:HD11	1:33:A:THR:H	8	0.16
(2,1404)	1:45:A:ILE:HD12	1:33:A:THR:H	8	0.16
(2,1404)	1:45:A:ILE:HD13	1:33:A:THR:H	8	0.16
(2,1400)	1:45:A:ILE:HD11	1:45:A:ILE:HA	14	0.16
(2,1400)	1:45:A:ILE:HD12	1:45:A:ILE:HA	14	0.16
(2,1400)	1:45:A:ILE:HD13	1:45:A:ILE:HA	14	0.16
(2,1379)	1:97:A:ARG:HG3	1:97:A:ARG:HB2	1	0.16
(2,1379)	1:97:A:ARG:HG3	1:97:A:ARG:HB2	6	0.16
(2,1379)	1:97:A:ARG:HG3	1:97:A:ARG:HB2	12	0.16
(2,1350)	1:70:A:HIS:HB3	1:71:A:ASN:H	2	0.16
(2,1334)	1:69:A:THR:HA	1:74:A:LEU:H	5	0.16
(2,1299)	1:66:A:ASN:HB2	1:67:A:THR:H	4	0.16
(2,1281)	1:65:A:ARG:HB2	1:65:A:ARG:HA	13	0.16
(2,1274)	1:65:A:ARG:HA	1:65:A:ARG:HG2	7	0.16
(2,1270)	1:65:A:ARG:HA	1:68:A:LEU:HB3	6	0.16
(2,1270)	1:65:A:ARG:HA	1:68:A:LEU:HB3	7	0.16
(2,1248)	1:64:A:LEU:HD11	1:90:A:LEU:HB3	1	0.16
(2,1248)	1:64:A:LEU:HD12	1:90:A:LEU:HB3	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1248)	1:64:A:LEU:HD13	1:90:A:LEU:HB3	1	0.16
(2,1244)	1:64:A:LEU:HB3	1:64:A:LEU:HD11	9	0.16
(2,1244)	1:64:A:LEU:HB3	1:64:A:LEU:HD12	9	0.16
(2,1244)	1:64:A:LEU:HB3	1:64:A:LEU:HD13	9	0.16
(2,1224)	1:63:A:GLU:HG2	1:63:A:GLU:HA	9	0.16
(2,1224)	1:63:A:GLU:HG2	1:63:A:GLU:HA	11	0.16
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG11	9	0.16
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG12	9	0.16
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG13	9	0.16
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG21	14	0.16
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG22	14	0.16
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG23	14	0.16
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG21	13	0.16
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG22	13	0.16
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG23	13	0.16
(2,1203)	1:62:A:LEU:HG	1:63:A:GLU:H	5	0.16
(2,1203)	1:62:A:LEU:HG	1:63:A:GLU:H	8	0.16
(2,1188)	1:62:A:LEU:HB3	1:63:A:GLU:H	9	0.16
(2,1185)	1:62:A:LEU:HB2	1:62:A:LEU:H	3	0.16
(2,1185)	1:62:A:LEU:HB2	1:62:A:LEU:H	8	0.16
(2,1157)	1:56:A:ILE:HD11	1:60:A:THR:HB	1	0.16
(2,1157)	1:56:A:ILE:HD12	1:60:A:THR:HB	1	0.16
(2,1157)	1:56:A:ILE:HD13	1:60:A:THR:HB	1	0.16
(2,1154)	1:60:A:THR:HB	1:63:A:GLU:H	2	0.16
(2,1154)	1:60:A:THR:HB	1:63:A:GLU:H	9	0.16
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD21	7	0.16
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD22	7	0.16
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD23	7	0.16
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD21	14	0.16
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD22	14	0.16
(2,1144)	1:59:A:LEU:HA	1:59:A:LEU:HD23	14	0.16
(2,1135)	1:59:A:LEU:HA	1:58:A:SER:HA	1	0.16
(2,1135)	1:59:A:LEU:HA	1:58:A:SER:HA	9	0.16
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD11	12	0.16
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD12	12	0.16
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD13	12	0.16
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD11	12	0.16
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD12	12	0.16
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD13	12	0.16
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD11	12	0.16
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD12	12	0.16
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD13	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD11	13	0.16
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD12	13	0.16
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD13	13	0.16
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD11	13	0.16
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD12	13	0.16
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD13	13	0.16
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD11	13	0.16
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD12	13	0.16
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD13	13	0.16
(2,1100)	1:81:A:ILE:HG21	1:90:A:LEU:HB2	14	0.16
(2,1100)	1:81:A:ILE:HG22	1:90:A:LEU:HB2	14	0.16
(2,1100)	1:81:A:ILE:HG23	1:90:A:LEU:HB2	14	0.16
(2,1073)	1:54:A:LEU:HG	1:54:A:LEU:HB2	3	0.16
(2,1073)	1:54:A:LEU:HG	1:54:A:LEU:HB2	4	0.16
(2,1073)	1:54:A:LEU:HG	1:54:A:LEU:HB2	5	0.16
(2,1073)	1:54:A:LEU:HG	1:54:A:LEU:HB2	11	0.16
(2,1073)	1:54:A:LEU:HG	1:54:A:LEU:HB2	12	0.16
(2,1073)	1:54:A:LEU:HG	1:54:A:LEU:HB2	14	0.16
(2,1073)	1:54:A:LEU:HG	1:54:A:LEU:HB2	16	0.16
(2,1054)	1:52:A:LYS:HG2	1:53:A:ASP:H	14	0.16
(2,1029)	1:51:A:PHE:HB3	1:52:A:LYS:HG2	5	0.16
(2,1029)	1:51:A:PHE:HB3	1:52:A:LYS:HG2	6	0.16
(2,1029)	1:51:A:PHE:HB3	1:52:A:LYS:HG2	8	0.16
(2,1005)	1:57:A:ASP:HA	1:57:A:ASP:HB2	7	0.16
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD11	13	0.16
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD12	13	0.16
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD13	13	0.16
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD11	13	0.16
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD12	13	0.16
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD13	13	0.16
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD11	13	0.16
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD12	13	0.16
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD13	13	0.16
(2,997)	1:49:A:THR:HG21	1:54:A:LEU:HG	4	0.16
(2,997)	1:49:A:THR:HG22	1:54:A:LEU:HG	4	0.16
(2,997)	1:49:A:THR:HG23	1:54:A:LEU:HG	4	0.16
(2,980)	1:49:A:THR:HB	1:54:A:LEU:HG	3	0.16
(2,980)	1:49:A:THR:HB	1:54:A:LEU:HG	13	0.16
(2,977)	1:49:A:THR:HB	1:49:A:THR:H	1	0.16
(2,977)	1:49:A:THR:HB	1:49:A:THR:H	2	0.16
(2,977)	1:49:A:THR:HB	1:49:A:THR:H	6	0.16
(2,977)	1:49:A:THR:HB	1:49:A:THR:H	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,977)	1:49:A:THR:HB	1:49:A:THR:H	16	0.16
(2,900)	1:41:A:THR:HG21	1:43:A:GLU:HB3	6	0.16
(2,900)	1:41:A:THR:HG22	1:43:A:GLU:HB3	6	0.16
(2,900)	1:41:A:THR:HG23	1:43:A:GLU:HB3	6	0.16
(2,889)	1:42:A:PRO:HD2	1:41:A:THR:HA	10	0.16
(2,889)	1:42:A:PRO:HD2	1:41:A:THR:HA	14	0.16
(2,882)	1:42:A:PRO:HD2	1:42:A:PRO:HG2	2	0.16
(2,882)	1:42:A:PRO:HD2	1:42:A:PRO:HG2	3	0.16
(2,882)	1:42:A:PRO:HD2	1:42:A:PRO:HG2	5	0.16
(2,882)	1:42:A:PRO:HD2	1:42:A:PRO:HG2	8	0.16
(2,882)	1:42:A:PRO:HD2	1:42:A:PRO:HG2	9	0.16
(2,882)	1:42:A:PRO:HD2	1:42:A:PRO:HG2	12	0.16
(2,882)	1:42:A:PRO:HD2	1:42:A:PRO:HG2	13	0.16
(2,882)	1:42:A:PRO:HD2	1:42:A:PRO:HG2	16	0.16
(2,849)	1:74:A:LEU:HD21	1:74:A:LEU:H	12	0.16
(2,849)	1:74:A:LEU:HD22	1:74:A:LEU:H	12	0.16
(2,849)	1:74:A:LEU:HD23	1:74:A:LEU:H	12	0.16
(2,845)	1:37:A:LEU:HD11	1:36:A:VAL:H	7	0.16
(2,845)	1:37:A:LEU:HD12	1:36:A:VAL:H	7	0.16
(2,845)	1:37:A:LEU:HD13	1:36:A:VAL:H	7	0.16
(2,845)	1:37:A:LEU:HD11	1:36:A:VAL:H	11	0.16
(2,845)	1:37:A:LEU:HD12	1:36:A:VAL:H	11	0.16
(2,845)	1:37:A:LEU:HD13	1:36:A:VAL:H	11	0.16
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG21	9	0.16
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG22	9	0.16
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG23	9	0.16
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG21	16	0.16
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG22	16	0.16
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG23	16	0.16
(2,794)	1:36:A:VAL:HG11	1:36:A:VAL:H	1	0.16
(2,794)	1:36:A:VAL:HG12	1:36:A:VAL:H	1	0.16
(2,794)	1:36:A:VAL:HG13	1:36:A:VAL:H	1	0.16
(2,794)	1:36:A:VAL:HG11	1:36:A:VAL:H	7	0.16
(2,794)	1:36:A:VAL:HG12	1:36:A:VAL:H	7	0.16
(2,794)	1:36:A:VAL:HG13	1:36:A:VAL:H	7	0.16
(2,794)	1:36:A:VAL:HG11	1:36:A:VAL:H	11	0.16
(2,794)	1:36:A:VAL:HG12	1:36:A:VAL:H	11	0.16
(2,794)	1:36:A:VAL:HG13	1:36:A:VAL:H	11	0.16
(2,765)	1:61:A:ALA:HA	1:56:A:ILE:HB	16	0.16
(2,736)	1:26:A:ALA:HA	1:91:A:THR:HG21	7	0.16
(2,736)	1:26:A:ALA:HA	1:91:A:THR:HG22	7	0.16
(2,736)	1:26:A:ALA:HA	1:91:A:THR:HG23	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB1	2	0.16
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB2	2	0.16
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB3	2	0.16
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB1	8	0.16
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB2	8	0.16
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB3	8	0.16
(2,565)	1:28:A:LEU:HD11	1:71:A:ASN:HB2	9	0.16
(2,565)	1:28:A:LEU:HD12	1:71:A:ASN:HB2	9	0.16
(2,565)	1:28:A:LEU:HD13	1:71:A:ASN:HB2	9	0.16
(2,552)	1:25:A:LEU:HB3	1:25:A:LEU:HA	2	0.16
(2,552)	1:25:A:LEU:HB3	1:25:A:LEU:HA	9	0.16
(2,552)	1:25:A:LEU:HB3	1:25:A:LEU:HA	12	0.16
(2,533)	1:24:A:THR:HB	1:25:A:LEU:HB2	15	0.16
(2,527)	1:24:A:THR:HB	1:24:A:THR:H	7	0.16
(2,527)	1:24:A:THR:HB	1:24:A:THR:H	9	0.16
(2,527)	1:24:A:THR:HB	1:24:A:THR:H	12	0.16
(2,527)	1:24:A:THR:HB	1:24:A:THR:H	13	0.16
(2,506)	1:23:A:GLN:HB2	1:24:A:THR:H	5	0.16
(2,496)	1:23:A:GLN:HA	1:23:A:GLN:HG2	5	0.16
(2,483)	1:22:A:GLN:HG2	1:22:A:GLN:HB3	4	0.16
(2,465)	1:20:A:GLN:HG3	1:20:A:GLN:H	9	0.16
(2,458)	1:20:A:GLN:HB3	1:16:A:LEU:HB3	13	0.16
(2,455)	1:20:A:GLN:HB3	1:21:A:GLN:H	7	0.16
(2,435)	1:21:A:GLN:HA	1:20:A:GLN:HA	5	0.16
(2,435)	1:21:A:GLN:HA	1:20:A:GLN:HA	7	0.16
(2,435)	1:21:A:GLN:HA	1:20:A:GLN:HA	9	0.16
(2,411)	1:19:A:GLN:HB3	1:19:A:GLN:H	8	0.16
(2,403)	1:19:A:GLN:HG2	1:20:A:GLN:H	9	0.16
(2,389)	1:19:A:GLN:HA	1:19:A:GLN:H	2	0.16
(2,388)	1:45:A:ILE:HA	1:46:A:SER:H	5	0.16
(2,383)	1:18:A:PRO:HB3	1:18:A:PRO:HG3	16	0.16
(2,376)	1:18:A:PRO:HA	1:21:A:GLN:HG2	1	0.16
(2,370)	1:17:A:SER:HB2	1:20:A:GLN:HG3	11	0.16
(2,361)	1:16:A:LEU:HD21	1:17:A:SER:H	8	0.16
(2,361)	1:16:A:LEU:HD22	1:17:A:SER:H	8	0.16
(2,361)	1:16:A:LEU:HD23	1:17:A:SER:H	8	0.16
(2,361)	1:16:A:LEU:HD21	1:17:A:SER:H	10	0.16
(2,361)	1:16:A:LEU:HD22	1:17:A:SER:H	10	0.16
(2,361)	1:16:A:LEU:HD23	1:17:A:SER:H	10	0.16
(2,361)	1:16:A:LEU:HD21	1:17:A:SER:H	13	0.16
(2,361)	1:16:A:LEU:HD22	1:17:A:SER:H	13	0.16
(2,361)	1:16:A:LEU:HD23	1:17:A:SER:H	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,351)	1:16:A:LEU:HA	1:16:A:LEU:HD21	6	0.16
(2,351)	1:16:A:LEU:HA	1:16:A:LEU:HD22	6	0.16
(2,351)	1:16:A:LEU:HA	1:16:A:LEU:HD23	6	0.16
(2,344)	1:15:A:GLY:HA3	1:15:A:GLY:H	3	0.16
(2,344)	1:15:A:GLY:HA3	1:15:A:GLY:H	6	0.16
(2,344)	1:15:A:GLY:HA3	1:15:A:GLY:H	8	0.16
(2,344)	1:15:A:GLY:HA3	1:15:A:GLY:H	10	0.16
(2,344)	1:15:A:GLY:HA3	1:15:A:GLY:H	13	0.16
(2,314)	1:85:A:PRO:HD2	1:84:A:HIS:H	9	0.16
(2,314)	1:85:A:PRO:HD2	1:84:A:HIS:H	10	0.16
(2,279)	1:12:A:ARG:HD3	1:12:A:ARG:HA	13	0.16
(2,237)	1:50:A:ALA:HB1	1:85:A:PRO:HB3	5	0.16
(2,237)	1:50:A:ALA:HB2	1:85:A:PRO:HB3	5	0.16
(2,237)	1:50:A:ALA:HB3	1:85:A:PRO:HB3	5	0.16
(2,201)	1:6:A:ALA:HA	1:9:A:LEU:HB3	13	0.16
(2,194)	1:12:A:ARG:HA	1:12:A:ARG:HG2	8	0.16
(2,156)	1:71:A:ASN:HA	1:71:A:ASN:HD22	10	0.16
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB1	15	0.16
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB2	15	0.16
(2,126)	1:7:A:THR:HA	1:6:A:ALA:HB3	15	0.16
(2,79)	1:81:A:ILE:HD11	1:51:A:PHE:HD1	7	0.16
(2,79)	1:81:A:ILE:HD11	1:51:A:PHE:HD2	7	0.16
(2,79)	1:81:A:ILE:HD12	1:51:A:PHE:HD1	7	0.16
(2,79)	1:81:A:ILE:HD12	1:51:A:PHE:HD2	7	0.16
(2,79)	1:81:A:ILE:HD13	1:51:A:PHE:HD1	7	0.16
(2,79)	1:81:A:ILE:HD13	1:51:A:PHE:HD2	7	0.16
(2,52)	1:51:A:PHE:HD1	1:85:A:PRO:HA	7	0.16
(2,52)	1:51:A:PHE:HD2	1:85:A:PRO:HA	7	0.16
(2,52)	1:51:A:PHE:HD1	1:85:A:PRO:HA	10	0.16
(2,52)	1:51:A:PHE:HD2	1:85:A:PRO:HA	10	0.16
(2,51)	1:51:A:PHE:HD1	1:51:A:PHE:HB3	9	0.16
(2,51)	1:51:A:PHE:HD2	1:51:A:PHE:HB3	9	0.16
(2,19)	1:102:A:HIS:HB3	1:102:A:HIS:HD2	16	0.16
(1,601)	1:33:A:THR:H	1:34:A:ALA:H	11	0.16
(1,600)	1:33:A:THR:H	1:30:A:ALA:HA	9	0.16
(1,561)	1:22:A:GLN:H	1:21:A:GLN:HB2	8	0.16
(1,539)	1:92:A:GLN:H	1:92:A:GLN:HG3	12	0.16
(1,532)	1:93:A:HIS:H	1:93:A:HIS:HD2	3	0.16
(1,532)	1:93:A:HIS:H	1:93:A:HIS:HD2	4	0.16
(1,532)	1:93:A:HIS:H	1:93:A:HIS:HD2	16	0.16
(1,529)	1:65:A:ARG:H	1:64:A:LEU:HB3	1	0.16
(1,510)	1:49:A:THR:H	1:49:A:THR:HG21	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:49:A:THR:H	1:49:A:THR:HG22	9	0.16
(1,510)	1:49:A:THR:H	1:49:A:THR:HG23	9	0.16
(1,442)	1:75:A:ASP:H	1:75:A:ASP:HB3	13	0.16
(1,440)	1:75:A:ASP:H	1:74:A:LEU:HA	5	0.16
(1,398)	1:44:A:SER:H	1:43:A:GLU:HG2	7	0.16
(1,350)	1:17:A:SER:H	1:16:A:LEU:HB3	8	0.16
(1,350)	1:17:A:SER:H	1:16:A:LEU:HB3	12	0.16
(1,348)	1:17:A:SER:H	1:20:A:GLN:HB3	3	0.16
(1,281)	1:14:A:ASN:HD21	1:14:A:ASN:HA	7	0.16
(1,249)	1:99:A:THR:H	1:98:A:LEU:HB2	1	0.16
(1,176)	1:80:A:LEU:H	1:79:A:THR:HA	15	0.16
(1,130)	1:69:A:THR:H	1:69:A:THR:HB	1	0.16
(1,125)	1:21:A:GLN:H	1:21:A:GLN:HB2	9	0.16
(1,110)	1:52:A:LYS:H	1:52:A:LYS:HG3	6	0.16
(1,103)	1:71:A:ASN:H	1:71:A:ASN:HB2	5	0.16
(1,95)	1:71:A:ASN:HD22	1:71:A:ASN:HA	10	0.16
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD11	10	0.16
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD12	10	0.16
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD13	10	0.16
(1,74)	1:89:A:ALA:H	1:88:A:HIS:H	12	0.16
(1,68)	1:20:A:GLN:H	1:21:A:GLN:H	4	0.16
(1,68)	1:20:A:GLN:H	1:21:A:GLN:H	9	0.16
(1,68)	1:20:A:GLN:H	1:21:A:GLN:H	15	0.16
(1,52)	1:15:A:GLY:H	1:15:A:GLY:HA2	15	0.16
(1,38)	1:73:A:GLY:H	1:74:A:LEU:H	1	0.16
(1,38)	1:73:A:GLY:H	1:74:A:LEU:H	13	0.16
(1,23)	1:44:A:SER:H	1:45:A:ILE:H	8	0.16
(1,22)	1:43:A:GLU:H	1:44:A:SER:H	5	0.16
(1,20)	1:35:A:THR:H	1:34:A:ALA:H	4	0.16
(1,20)	1:35:A:THR:H	1:34:A:ALA:H	10	0.16
(1,20)	1:35:A:THR:H	1:34:A:ALA:H	12	0.16
(1,17)	1:100:A:GLN:H	1:99:A:THR:H	15	0.16
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB1	4	0.15
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB2	4	0.15
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB3	4	0.15
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB1	4	0.15
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB2	4	0.15
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB3	4	0.15
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB1	16	0.15
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB2	16	0.15
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB3	16	0.15
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB1	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB2	16	0.15
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB3	16	0.15
(2,1885)	1:13:A:LEU:HG	1:13:A:LEU:HA	12	0.15
(2,1850)	1:70:A:HIS:HD2	1:70:A:HIS:HB3	11	0.15
(2,1722)	1:92:A:GLN:HG3	1:92:A:GLN:H	3	0.15
(2,1722)	1:92:A:GLN:HG3	1:92:A:GLN:H	11	0.15
(2,1720)	1:92:A:GLN:HG3	1:89:A:ALA:HA	1	0.15
(2,1714)	1:92:A:GLN:HG2	1:92:A:GLN:HA	6	0.15
(2,1711)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	2	0.15
(2,1711)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	3	0.15
(2,1711)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	4	0.15
(2,1711)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	5	0.15
(2,1711)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	6	0.15
(2,1711)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	7	0.15
(2,1711)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	8	0.15
(2,1711)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	10	0.15
(2,1711)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	11	0.15
(2,1711)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	12	0.15
(2,1711)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	13	0.15
(2,1711)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	14	0.15
(2,1711)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	15	0.15
(2,1711)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	16	0.15
(2,1710)	1:92:A:GLN:HB2	1:89:A:ALA:HA	7	0.15
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE1	11	0.15
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE2	11	0.15
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE1	11	0.15
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE2	11	0.15
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE1	11	0.15
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE2	11	0.15
(2,1680)	1:90:A:LEU:HD21	1:51:A:PHE:HZ	9	0.15
(2,1680)	1:90:A:LEU:HD22	1:51:A:PHE:HZ	9	0.15
(2,1680)	1:90:A:LEU:HD23	1:51:A:PHE:HZ	9	0.15
(2,1679)	1:90:A:LEU:HD21	1:90:A:LEU:HB3	3	0.15
(2,1679)	1:90:A:LEU:HD22	1:90:A:LEU:HB3	3	0.15
(2,1679)	1:90:A:LEU:HD23	1:90:A:LEU:HB3	3	0.15
(2,1679)	1:90:A:LEU:HD21	1:90:A:LEU:HB3	11	0.15
(2,1679)	1:90:A:LEU:HD22	1:90:A:LEU:HB3	11	0.15
(2,1679)	1:90:A:LEU:HD23	1:90:A:LEU:HB3	11	0.15
(2,1679)	1:90:A:LEU:HD21	1:90:A:LEU:HB3	12	0.15
(2,1679)	1:90:A:LEU:HD22	1:90:A:LEU:HB3	12	0.15
(2,1679)	1:90:A:LEU:HD23	1:90:A:LEU:HB3	12	0.15
(2,1678)	1:90:A:LEU:HD21	1:90:A:LEU:HB2	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1678)	1:90:A:LEU:HD22	1:90:A:LEU:HB2	10	0.15
(2,1678)	1:90:A:LEU:HD23	1:90:A:LEU:HB2	10	0.15
(2,1668)	1:90:A:LEU:HA	1:94:A:LEU:HD11	2	0.15
(2,1668)	1:90:A:LEU:HA	1:94:A:LEU:HD12	2	0.15
(2,1668)	1:90:A:LEU:HA	1:94:A:LEU:HD13	2	0.15
(2,1663)	1:90:A:LEU:HA	1:84:A:HIS:HB3	8	0.15
(2,1662)	1:90:A:LEU:HA	1:90:A:LEU:H	2	0.15
(2,1662)	1:90:A:LEU:HA	1:90:A:LEU:H	4	0.15
(2,1662)	1:90:A:LEU:HA	1:90:A:LEU:H	6	0.15
(2,1662)	1:90:A:LEU:HA	1:90:A:LEU:H	8	0.15
(2,1662)	1:90:A:LEU:HA	1:90:A:LEU:H	10	0.15
(2,1662)	1:90:A:LEU:HA	1:90:A:LEU:H	14	0.15
(2,1602)	1:86:A:THR:HB	1:88:A:HIS:H	4	0.15
(2,1560)	1:82:A:PHE:HB2	1:83:A:ASP:H	10	0.15
(2,1560)	1:82:A:PHE:HB2	1:83:A:ASP:H	11	0.15
(2,1542)	1:81:A:ILE:HA	1:84:A:HIS:H	13	0.15
(2,1540)	1:98:A:LEU:HB2	1:95:A:HIS:HA	6	0.15
(2,1500)	1:72:A:THR:HG21	1:74:A:LEU:H	6	0.15
(2,1500)	1:72:A:THR:HG22	1:74:A:LEU:H	6	0.15
(2,1500)	1:72:A:THR:HG23	1:74:A:LEU:H	6	0.15
(2,1499)	1:79:A:THR:HA	1:78:A:PRO:HB3	5	0.15
(2,1490)	1:79:A:THR:HA	1:79:A:THR:HB	10	0.15
(2,1490)	1:79:A:THR:HA	1:79:A:THR:HB	14	0.15
(2,1453)	1:40:A:HIS:HA	1:40:A:HIS:HB2	3	0.15
(2,1444)	1:88:A:HIS:HB3	1:88:A:HIS:H	1	0.15
(2,1444)	1:88:A:HIS:HB3	1:88:A:HIS:H	7	0.15
(2,1402)	1:45:A:ILE:HD11	1:44:A:SER:HB3	7	0.15
(2,1402)	1:45:A:ILE:HD12	1:44:A:SER:HB3	7	0.15
(2,1402)	1:45:A:ILE:HD13	1:44:A:SER:HB3	7	0.15
(2,1402)	1:45:A:ILE:HD11	1:44:A:SER:HB3	9	0.15
(2,1402)	1:45:A:ILE:HD12	1:44:A:SER:HB3	9	0.15
(2,1402)	1:45:A:ILE:HD13	1:44:A:SER:HB3	9	0.15
(2,1400)	1:45:A:ILE:HD11	1:45:A:ILE:HA	12	0.15
(2,1400)	1:45:A:ILE:HD12	1:45:A:ILE:HA	12	0.15
(2,1400)	1:45:A:ILE:HD13	1:45:A:ILE:HA	12	0.15
(2,1379)	1:97:A:ARG:HG3	1:97:A:ARG:HB2	5	0.15
(2,1367)	1:97:A:ARG:HB2	1:98:A:LEU:H	6	0.15
(2,1367)	1:97:A:ARG:HB2	1:98:A:LEU:H	13	0.15
(2,1334)	1:69:A:THR:HA	1:74:A:LEU:H	4	0.15
(2,1293)	1:66:A:ASN:HA	1:65:A:ARG:H	11	0.15
(2,1281)	1:65:A:ARG:HB2	1:65:A:ARG:HA	16	0.15
(2,1270)	1:65:A:ARG:HA	1:68:A:LEU:HB3	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1270)	1:65:A:ARG:HA	1:68:A:LEU:HB3	13	0.15
(2,1259)	1:64:A:LEU:HD21	1:90:A:LEU:HD21	7	0.15
(2,1259)	1:64:A:LEU:HD21	1:90:A:LEU:HD22	7	0.15
(2,1259)	1:64:A:LEU:HD21	1:90:A:LEU:HD23	7	0.15
(2,1259)	1:64:A:LEU:HD22	1:90:A:LEU:HD21	7	0.15
(2,1259)	1:64:A:LEU:HD22	1:90:A:LEU:HD22	7	0.15
(2,1259)	1:64:A:LEU:HD22	1:90:A:LEU:HD23	7	0.15
(2,1259)	1:64:A:LEU:HD23	1:90:A:LEU:HD21	7	0.15
(2,1259)	1:64:A:LEU:HD23	1:90:A:LEU:HD22	7	0.15
(2,1259)	1:64:A:LEU:HD23	1:90:A:LEU:HD23	7	0.15
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD21	3	0.15
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD22	3	0.15
(2,1233)	1:64:A:LEU:HA	1:64:A:LEU:HD23	3	0.15
(2,1231)	1:63:A:GLU:HG3	1:64:A:LEU:H	14	0.15
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG11	16	0.15
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG12	16	0.15
(2,1222)	1:63:A:GLU:HG2	1:36:A:VAL:HG13	16	0.15
(2,1188)	1:62:A:LEU:HB3	1:63:A:GLU:H	13	0.15
(2,1174)	1:61:A:ALA:HB1	1:58:A:SER:HB2	13	0.15
(2,1174)	1:61:A:ALA:HB2	1:58:A:SER:HB2	13	0.15
(2,1174)	1:61:A:ALA:HB3	1:58:A:SER:HB2	13	0.15
(2,1174)	1:61:A:ALA:HB1	1:58:A:SER:HB2	15	0.15
(2,1174)	1:61:A:ALA:HB2	1:58:A:SER:HB2	15	0.15
(2,1174)	1:61:A:ALA:HB3	1:58:A:SER:HB2	15	0.15
(2,1171)	1:61:A:ALA:HB1	1:64:A:LEU:HB3	1	0.15
(2,1171)	1:61:A:ALA:HB2	1:64:A:LEU:HB3	1	0.15
(2,1171)	1:61:A:ALA:HB3	1:64:A:LEU:HB3	1	0.15
(2,1171)	1:61:A:ALA:HB1	1:64:A:LEU:HB3	8	0.15
(2,1171)	1:61:A:ALA:HB2	1:64:A:LEU:HB3	8	0.15
(2,1171)	1:61:A:ALA:HB3	1:64:A:LEU:HB3	8	0.15
(2,1157)	1:56:A:ILE:HD11	1:60:A:THR:HB	11	0.15
(2,1157)	1:56:A:ILE:HD12	1:60:A:THR:HB	11	0.15
(2,1157)	1:56:A:ILE:HD13	1:60:A:THR:HB	11	0.15
(2,1135)	1:59:A:LEU:HA	1:58:A:SER:HA	5	0.15
(2,1100)	1:81:A:ILE:HG21	1:90:A:LEU:HB2	6	0.15
(2,1100)	1:81:A:ILE:HG22	1:90:A:LEU:HB2	6	0.15
(2,1100)	1:81:A:ILE:HG23	1:90:A:LEU:HB2	6	0.15
(2,1073)	1:54:A:LEU:HG	1:54:A:LEU:HB2	1	0.15
(2,1073)	1:54:A:LEU:HG	1:54:A:LEU:HB2	9	0.15
(2,1054)	1:52:A:LYS:HG2	1:53:A:ASP:H	12	0.15
(2,1054)	1:52:A:LYS:HG2	1:53:A:ASP:H	13	0.15
(2,1005)	1:57:A:ASP:HA	1:57:A:ASP:HB2	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD21	16	0.15
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD22	16	0.15
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD23	16	0.15
(2,997)	1:49:A:THR:HG21	1:54:A:LEU:HG	11	0.15
(2,997)	1:49:A:THR:HG22	1:54:A:LEU:HG	11	0.15
(2,997)	1:49:A:THR:HG23	1:54:A:LEU:HG	11	0.15
(2,977)	1:49:A:THR:HB	1:49:A:THR:H	4	0.15
(2,977)	1:49:A:THR:HB	1:49:A:THR:H	8	0.15
(2,977)	1:49:A:THR:HB	1:49:A:THR:H	11	0.15
(2,977)	1:49:A:THR:HB	1:49:A:THR:H	12	0.15
(2,977)	1:49:A:THR:HB	1:49:A:THR:H	15	0.15
(2,960)	1:47:A:PRO:HD2	1:46:A:SER:HB3	2	0.15
(2,932)	1:45:A:ILE:HG13	1:42:A:PRO:HA	1	0.15
(2,932)	1:45:A:ILE:HG13	1:42:A:PRO:HA	15	0.15
(2,930)	1:45:A:ILE:HB	1:45:A:ILE:HG13	8	0.15
(2,930)	1:45:A:ILE:HB	1:45:A:ILE:HG13	11	0.15
(2,923)	1:101:A:SER:HB2	1:102:A:HIS:H	2	0.15
(2,911)	1:43:A:GLU:HB2	1:43:A:GLU:H	10	0.15
(2,889)	1:42:A:PRO:HD2	1:41:A:THR:HA	7	0.15
(2,875)	1:78:A:PRO:HB3	1:78:A:PRO:HA	6	0.15
(2,875)	1:78:A:PRO:HB3	1:78:A:PRO:HA	11	0.15
(2,872)	1:42:A:PRO:HA	1:30:A:ALA:HB1	8	0.15
(2,872)	1:42:A:PRO:HA	1:30:A:ALA:HB2	8	0.15
(2,872)	1:42:A:PRO:HA	1:30:A:ALA:HB3	8	0.15
(2,845)	1:37:A:LEU:HD11	1:36:A:VAL:H	10	0.15
(2,845)	1:37:A:LEU:HD12	1:36:A:VAL:H	10	0.15
(2,845)	1:37:A:LEU:HD13	1:36:A:VAL:H	10	0.15
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG21	2	0.15
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG22	2	0.15
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG23	2	0.15
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG21	5	0.15
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG22	5	0.15
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG23	5	0.15
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG21	11	0.15
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG22	11	0.15
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG23	11	0.15
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG21	15	0.15
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG22	15	0.15
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG23	15	0.15
(2,794)	1:36:A:VAL:HG11	1:36:A:VAL:H	12	0.15
(2,794)	1:36:A:VAL:HG12	1:36:A:VAL:H	12	0.15
(2,794)	1:36:A:VAL:HG13	1:36:A:VAL:H	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,736)	1:26:A:ALA:HA	1:91:A:THR:HG21	9	0.15
(2,736)	1:26:A:ALA:HA	1:91:A:THR:HG22	9	0.15
(2,736)	1:26:A:ALA:HA	1:91:A:THR:HG23	9	0.15
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB1	3	0.15
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB2	3	0.15
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB3	3	0.15
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB1	6	0.15
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB2	6	0.15
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB3	6	0.15
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB1	16	0.15
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB2	16	0.15
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB3	16	0.15
(2,651)	1:28:A:LEU:HD21	1:29:A:VAL:H	12	0.15
(2,651)	1:28:A:LEU:HD22	1:29:A:VAL:H	12	0.15
(2,651)	1:28:A:LEU:HD23	1:29:A:VAL:H	12	0.15
(2,651)	1:28:A:LEU:HD21	1:29:A:VAL:H	16	0.15
(2,651)	1:28:A:LEU:HD22	1:29:A:VAL:H	16	0.15
(2,651)	1:28:A:LEU:HD23	1:29:A:VAL:H	16	0.15
(2,552)	1:25:A:LEU:HB3	1:25:A:LEU:HA	4	0.15
(2,552)	1:25:A:LEU:HB3	1:25:A:LEU:HA	5	0.15
(2,552)	1:25:A:LEU:HB3	1:25:A:LEU:HA	6	0.15
(2,552)	1:25:A:LEU:HB3	1:25:A:LEU:HA	8	0.15
(2,552)	1:25:A:LEU:HB3	1:25:A:LEU:HA	10	0.15
(2,552)	1:25:A:LEU:HB3	1:25:A:LEU:HA	13	0.15
(2,552)	1:25:A:LEU:HB3	1:25:A:LEU:HA	15	0.15
(2,528)	1:35:A:THR:HB	1:35:A:THR:H	8	0.15
(2,506)	1:23:A:GLN:HB2	1:24:A:THR:H	14	0.15
(2,496)	1:23:A:GLN:HA	1:23:A:GLN:HG2	6	0.15
(2,496)	1:23:A:GLN:HA	1:23:A:GLN:HG2	16	0.15
(2,490)	1:22:A:GLN:HG2	1:22:A:GLN:HA	2	0.15
(2,464)	1:20:A:GLN:HG3	1:20:A:GLN:HA	2	0.15
(2,464)	1:20:A:GLN:HG3	1:20:A:GLN:HA	8	0.15
(2,435)	1:21:A:GLN:HA	1:20:A:GLN:HA	3	0.15
(2,435)	1:21:A:GLN:HA	1:20:A:GLN:HA	11	0.15
(2,411)	1:19:A:GLN:HB3	1:19:A:GLN:H	3	0.15
(2,401)	1:22:A:GLN:HB3	1:23:A:GLN:H	8	0.15
(2,401)	1:22:A:GLN:HB3	1:23:A:GLN:H	15	0.15
(2,389)	1:19:A:GLN:HA	1:19:A:GLN:H	3	0.15
(2,389)	1:19:A:GLN:HA	1:19:A:GLN:H	4	0.15
(2,389)	1:19:A:GLN:HA	1:19:A:GLN:H	5	0.15
(2,389)	1:19:A:GLN:HA	1:19:A:GLN:H	6	0.15
(2,389)	1:19:A:GLN:HA	1:19:A:GLN:H	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,389)	1:19:A:GLN:HA	1:19:A:GLN:H	11	0.15
(2,383)	1:18:A:PRO:HB3	1:18:A:PRO:HG3	1	0.15
(2,383)	1:18:A:PRO:HB3	1:18:A:PRO:HG3	2	0.15
(2,383)	1:18:A:PRO:HB3	1:18:A:PRO:HG3	3	0.15
(2,383)	1:18:A:PRO:HB3	1:18:A:PRO:HG3	4	0.15
(2,383)	1:18:A:PRO:HB3	1:18:A:PRO:HG3	5	0.15
(2,383)	1:18:A:PRO:HB3	1:18:A:PRO:HG3	7	0.15
(2,383)	1:18:A:PRO:HB3	1:18:A:PRO:HG3	8	0.15
(2,383)	1:18:A:PRO:HB3	1:18:A:PRO:HG3	9	0.15
(2,383)	1:18:A:PRO:HB3	1:18:A:PRO:HG3	10	0.15
(2,383)	1:18:A:PRO:HB3	1:18:A:PRO:HG3	12	0.15
(2,383)	1:18:A:PRO:HB3	1:18:A:PRO:HG3	13	0.15
(2,383)	1:18:A:PRO:HB3	1:18:A:PRO:HG3	14	0.15
(2,383)	1:18:A:PRO:HB3	1:18:A:PRO:HG3	15	0.15
(2,344)	1:15:A:GLY:HA3	1:15:A:GLY:H	11	0.15
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD21	10	0.15
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD22	10	0.15
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD23	10	0.15
(2,274)	1:12:A:ARG:HB2	1:12:A:ARG:HD3	16	0.15
(2,269)	1:12:A:ARG:HG2	1:13:A:LEU:H	1	0.15
(2,269)	1:12:A:ARG:HG2	1:13:A:LEU:H	4	0.15
(2,256)	1:12:A:ARG:HB3	1:12:A:ARG:HB2	1	0.15
(2,256)	1:12:A:ARG:HB3	1:12:A:ARG:HB2	2	0.15
(2,256)	1:12:A:ARG:HB3	1:12:A:ARG:HB2	3	0.15
(2,256)	1:12:A:ARG:HB3	1:12:A:ARG:HB2	4	0.15
(2,256)	1:12:A:ARG:HB3	1:12:A:ARG:HB2	5	0.15
(2,256)	1:12:A:ARG:HB3	1:12:A:ARG:HB2	6	0.15
(2,256)	1:12:A:ARG:HB3	1:12:A:ARG:HB2	7	0.15
(2,256)	1:12:A:ARG:HB3	1:12:A:ARG:HB2	8	0.15
(2,256)	1:12:A:ARG:HB3	1:12:A:ARG:HB2	9	0.15
(2,256)	1:12:A:ARG:HB3	1:12:A:ARG:HB2	10	0.15
(2,256)	1:12:A:ARG:HB3	1:12:A:ARG:HB2	11	0.15
(2,256)	1:12:A:ARG:HB3	1:12:A:ARG:HB2	12	0.15
(2,256)	1:12:A:ARG:HB3	1:12:A:ARG:HB2	13	0.15
(2,256)	1:12:A:ARG:HB3	1:12:A:ARG:HB2	14	0.15
(2,256)	1:12:A:ARG:HB3	1:12:A:ARG:HB2	15	0.15
(2,256)	1:12:A:ARG:HB3	1:12:A:ARG:HB2	16	0.15
(2,237)	1:50:A:ALA:HB1	1:85:A:PRO:HB3	16	0.15
(2,237)	1:50:A:ALA:HB2	1:85:A:PRO:HB3	16	0.15
(2,237)	1:50:A:ALA:HB3	1:85:A:PRO:HB3	16	0.15
(2,201)	1:6:A:ALA:HA	1:9:A:LEU:HB3	10	0.15
(2,198)	1:9:A:LEU:HB2	1:98:A:LEU:HD21	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,198)	1:9:A:LEU:HB2	1:98:A:LEU:HD22	3	0.15
(2,198)	1:9:A:LEU:HB2	1:98:A:LEU:HD23	3	0.15
(2,136)	1:7:A:THR:HG21	1:8:A:ASP:H	5	0.15
(2,136)	1:7:A:THR:HG22	1:8:A:ASP:H	5	0.15
(2,136)	1:7:A:THR:HG23	1:8:A:ASP:H	5	0.15
(2,133)	1:35:A:THR:HG21	1:36:A:VAL:H	13	0.15
(2,133)	1:35:A:THR:HG22	1:36:A:VAL:H	13	0.15
(2,133)	1:35:A:THR:HG23	1:36:A:VAL:H	13	0.15
(2,76)	1:81:A:ILE:HD11	1:51:A:PHE:HE1	7	0.15
(2,76)	1:81:A:ILE:HD11	1:51:A:PHE:HE2	7	0.15
(2,76)	1:81:A:ILE:HD12	1:51:A:PHE:HE1	7	0.15
(2,76)	1:81:A:ILE:HD12	1:51:A:PHE:HE2	7	0.15
(2,76)	1:81:A:ILE:HD13	1:51:A:PHE:HE1	7	0.15
(2,76)	1:81:A:ILE:HD13	1:51:A:PHE:HE2	7	0.15
(2,76)	1:81:A:ILE:HD11	1:51:A:PHE:HE1	11	0.15
(2,76)	1:81:A:ILE:HD11	1:51:A:PHE:HE2	11	0.15
(2,76)	1:81:A:ILE:HD12	1:51:A:PHE:HE1	11	0.15
(2,76)	1:81:A:ILE:HD12	1:51:A:PHE:HE2	11	0.15
(2,76)	1:81:A:ILE:HD13	1:51:A:PHE:HE1	11	0.15
(2,76)	1:81:A:ILE:HD13	1:51:A:PHE:HE2	11	0.15
(2,52)	1:51:A:PHE:HD1	1:85:A:PRO:HA	5	0.15
(2,52)	1:51:A:PHE:HD2	1:85:A:PRO:HA	5	0.15
(2,52)	1:51:A:PHE:HD1	1:85:A:PRO:HA	15	0.15
(2,52)	1:51:A:PHE:HD2	1:85:A:PRO:HA	15	0.15
(2,34)	1:90:A:LEU:HB3	1:51:A:PHE:HZ	12	0.15
(2,18)	1:21:A:GLN:HB3	1:95:A:HIS:HD2	8	0.15
(2,18)	1:21:A:GLN:HB3	1:95:A:HIS:HD2	9	0.15
(2,7)	1:9:A:LEU:HD11	1:71:A:ASN:HA	7	0.15
(2,7)	1:9:A:LEU:HD12	1:71:A:ASN:HA	7	0.15
(2,7)	1:9:A:LEU:HD13	1:71:A:ASN:HA	7	0.15
(1,600)	1:33:A:THR:H	1:30:A:ALA:HA	7	0.15
(1,600)	1:33:A:THR:H	1:30:A:ALA:HA	10	0.15
(1,600)	1:33:A:THR:H	1:30:A:ALA:HA	16	0.15
(1,561)	1:22:A:GLN:H	1:21:A:GLN:HB2	7	0.15
(1,532)	1:93:A:HIS:H	1:93:A:HIS:HD2	6	0.15
(1,532)	1:93:A:HIS:H	1:93:A:HIS:HD2	12	0.15
(1,532)	1:93:A:HIS:H	1:93:A:HIS:HD2	15	0.15
(1,529)	1:65:A:ARG:H	1:64:A:LEU:HB3	3	0.15
(1,510)	1:49:A:THR:H	1:49:A:THR:HG21	3	0.15
(1,510)	1:49:A:THR:H	1:49:A:THR:HG22	3	0.15
(1,510)	1:49:A:THR:H	1:49:A:THR:HG23	3	0.15
(1,510)	1:49:A:THR:H	1:49:A:THR:HG21	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:49:A:THR:H	1:49:A:THR:HG22	4	0.15
(1,510)	1:49:A:THR:H	1:49:A:THR:HG23	4	0.15
(1,510)	1:49:A:THR:H	1:49:A:THR:HG21	5	0.15
(1,510)	1:49:A:THR:H	1:49:A:THR:HG22	5	0.15
(1,510)	1:49:A:THR:H	1:49:A:THR:HG23	5	0.15
(1,510)	1:49:A:THR:H	1:49:A:THR:HG21	8	0.15
(1,510)	1:49:A:THR:H	1:49:A:THR:HG22	8	0.15
(1,510)	1:49:A:THR:H	1:49:A:THR:HG23	8	0.15
(1,510)	1:49:A:THR:H	1:49:A:THR:HG21	13	0.15
(1,510)	1:49:A:THR:H	1:49:A:THR:HG22	13	0.15
(1,510)	1:49:A:THR:H	1:49:A:THR:HG23	13	0.15
(1,503)	1:100:A:GLN:H	1:99:A:THR:HA	6	0.15
(1,503)	1:100:A:GLN:H	1:99:A:THR:HA	9	0.15
(1,484)	1:68:A:LEU:H	1:67:A:THR:HB	11	0.15
(1,475)	1:68:A:LEU:H	1:68:A:LEU:HB2	12	0.15
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD21	13	0.15
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD22	13	0.15
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD23	13	0.15
(1,406)	1:48:A:ALA:H	1:47:A:PRO:HA	13	0.15
(1,398)	1:44:A:SER:H	1:43:A:GLU:HG2	11	0.15
(1,353)	1:91:A:THR:H	1:90:A:LEU:HB3	13	0.15
(1,350)	1:17:A:SER:H	1:16:A:LEU:HB3	6	0.15
(1,350)	1:17:A:SER:H	1:16:A:LEU:HB3	9	0.15
(1,350)	1:17:A:SER:H	1:16:A:LEU:HB3	10	0.15
(1,282)	1:14:A:ASN:HD21	1:11:A:ALA:HA	2	0.15
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG21	7	0.15
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG22	7	0.15
(1,236)	1:45:A:ILE:H	1:45:A:ILE:HG23	7	0.15
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD11	16	0.15
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD12	16	0.15
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD13	16	0.15
(1,159)	1:5:A:ALA:H	1:5:A:ALA:HA	13	0.15
(1,134)	1:26:A:ALA:H	1:25:A:LEU:HB2	1	0.15
(1,134)	1:26:A:ALA:H	1:25:A:LEU:HB2	2	0.15
(1,130)	1:69:A:THR:H	1:69:A:THR:HB	8	0.15
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD21	6	0.15
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD22	6	0.15
(1,126)	1:21:A:GLN:H	1:16:A:LEU:HD23	6	0.15
(1,125)	1:21:A:GLN:H	1:21:A:GLN:HB2	2	0.15
(1,125)	1:21:A:GLN:H	1:21:A:GLN:HB2	10	0.15
(1,103)	1:71:A:ASN:H	1:71:A:ASN:HB2	2	0.15
(1,103)	1:71:A:ASN:H	1:71:A:ASN:HB2	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,68)	1:20:A:GLN:H	1:21:A:GLN:H	5	0.15
(1,68)	1:20:A:GLN:H	1:21:A:GLN:H	8	0.15
(1,68)	1:20:A:GLN:H	1:21:A:GLN:H	13	0.15
(1,68)	1:20:A:GLN:H	1:21:A:GLN:H	14	0.15
(1,52)	1:15:A:GLY:H	1:15:A:GLY:HA2	1	0.15
(1,52)	1:15:A:GLY:H	1:15:A:GLY:HA2	7	0.15
(1,44)	1:79:A:THR:H	1:78:A:PRO:HA	2	0.15
(1,38)	1:73:A:GLY:H	1:74:A:LEU:H	7	0.15
(1,38)	1:73:A:GLY:H	1:74:A:LEU:H	15	0.15
(1,22)	1:43:A:GLU:H	1:44:A:SER:H	6	0.15
(1,22)	1:43:A:GLU:H	1:44:A:SER:H	12	0.15
(1,20)	1:35:A:THR:H	1:34:A:ALA:H	14	0.15
(1,20)	1:35:A:THR:H	1:34:A:ALA:H	16	0.15
(2,1914)	1:91:A:THR:HB	1:92:A:GLN:H	8	0.14
(2,1898)	1:30:A:ALA:HB1	1:42:A:PRO:HB3	3	0.14
(2,1898)	1:30:A:ALA:HB2	1:42:A:PRO:HB3	3	0.14
(2,1898)	1:30:A:ALA:HB3	1:42:A:PRO:HB3	3	0.14
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB1	5	0.14
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB2	5	0.14
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB3	5	0.14
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB1	5	0.14
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB2	5	0.14
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB3	5	0.14
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB1	15	0.14
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB2	15	0.14
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB3	15	0.14
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB1	15	0.14
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB2	15	0.14
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB3	15	0.14
(2,1887)	1:13:A:LEU:HG	1:14:A:ASN:H	6	0.14
(2,1885)	1:13:A:LEU:HG	1:13:A:LEU:HA	4	0.14
(2,1850)	1:70:A:HIS:HD2	1:70:A:HIS:HB3	4	0.14
(2,1849)	1:84:A:HIS:HD2	1:84:A:HIS:H	5	0.14
(2,1848)	1:95:A:HIS:HD2	1:22:A:GLN:H	10	0.14
(2,1844)	1:15:A:GLY:HA3	1:14:A:ASN:HB2	15	0.14
(2,1836)	1:13:A:LEU:HD21	1:13:A:LEU:H	14	0.14
(2,1836)	1:13:A:LEU:HD22	1:13:A:LEU:H	14	0.14
(2,1836)	1:13:A:LEU:HD23	1:13:A:LEU:H	14	0.14
(2,1803)	1:100:A:GLN:HB2	1:100:A:GLN:H	11	0.14
(2,1769)	1:97:A:ARG:HA	1:97:A:ARG:HG3	5	0.14
(2,1769)	1:97:A:ARG:HA	1:97:A:ARG:HG3	13	0.14
(2,1753)	1:95:A:HIS:HB2	1:95:A:HIS:HA	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1714)	1:92:A:GLN:HG2	1:92:A:GLN:HA	15	0.14
(2,1713)	1:92:A:GLN:HB2	1:92:A:GLN:H	9	0.14
(2,1711)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	1	0.14
(2,1711)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	9	0.14
(2,1710)	1:92:A:GLN:HB2	1:89:A:ALA:HA	3	0.14
(2,1710)	1:92:A:GLN:HB2	1:89:A:ALA:HA	11	0.14
(2,1689)	1:91:A:THR:HA	1:91:A:THR:H	3	0.14
(2,1689)	1:91:A:THR:HA	1:91:A:THR:H	6	0.14
(2,1689)	1:91:A:THR:HA	1:91:A:THR:H	11	0.14
(2,1689)	1:91:A:THR:HA	1:91:A:THR:H	13	0.14
(2,1662)	1:90:A:LEU:HA	1:90:A:LEU:H	1	0.14
(2,1662)	1:90:A:LEU:HA	1:90:A:LEU:H	3	0.14
(2,1662)	1:90:A:LEU:HA	1:90:A:LEU:H	5	0.14
(2,1662)	1:90:A:LEU:HA	1:90:A:LEU:H	7	0.14
(2,1662)	1:90:A:LEU:HA	1:90:A:LEU:H	11	0.14
(2,1662)	1:90:A:LEU:HA	1:90:A:LEU:H	12	0.14
(2,1662)	1:90:A:LEU:HA	1:90:A:LEU:H	15	0.14
(2,1662)	1:90:A:LEU:HA	1:90:A:LEU:H	16	0.14
(2,1602)	1:86:A:THR:HB	1:88:A:HIS:H	7	0.14
(2,1602)	1:86:A:THR:HB	1:88:A:HIS:H	8	0.14
(2,1602)	1:86:A:THR:HB	1:88:A:HIS:H	14	0.14
(2,1602)	1:86:A:THR:HB	1:88:A:HIS:H	16	0.14
(2,1569)	1:83:A:ASP:HB3	1:84:A:HIS:H	16	0.14
(2,1566)	1:83:A:ASP:HB2	1:83:A:ASP:H	2	0.14
(2,1566)	1:83:A:ASP:HB2	1:83:A:ASP:H	5	0.14
(2,1566)	1:83:A:ASP:HB2	1:83:A:ASP:H	16	0.14
(2,1560)	1:82:A:PHE:HB2	1:83:A:ASP:H	7	0.14
(2,1542)	1:81:A:ILE:HA	1:84:A:HIS:H	15	0.14
(2,1540)	1:98:A:LEU:HB2	1:95:A:HIS:HA	14	0.14
(2,1538)	1:98:A:LEU:HB3	1:99:A:THR:H	4	0.14
(2,1538)	1:98:A:LEU:HB3	1:99:A:THR:H	13	0.14
(2,1500)	1:72:A:THR:HG21	1:74:A:LEU:H	2	0.14
(2,1500)	1:72:A:THR:HG22	1:74:A:LEU:H	2	0.14
(2,1500)	1:72:A:THR:HG23	1:74:A:LEU:H	2	0.14
(2,1500)	1:72:A:THR:HG21	1:74:A:LEU:H	9	0.14
(2,1500)	1:72:A:THR:HG22	1:74:A:LEU:H	9	0.14
(2,1500)	1:72:A:THR:HG23	1:74:A:LEU:H	9	0.14
(2,1500)	1:72:A:THR:HG21	1:74:A:LEU:H	14	0.14
(2,1500)	1:72:A:THR:HG22	1:74:A:LEU:H	14	0.14
(2,1500)	1:72:A:THR:HG23	1:74:A:LEU:H	14	0.14
(2,1490)	1:79:A:THR:HA	1:79:A:THR:HB	2	0.14
(2,1448)	1:95:A:HIS:HB3	1:95:A:HIS:H	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1448)	1:95:A:HIS:HB3	1:95:A:HIS:H	11	0.14
(2,1445)	1:88:A:HIS:HB2	1:88:A:HIS:H	5	0.14
(2,1444)	1:88:A:HIS:HB3	1:88:A:HIS:H	14	0.14
(2,1440)	1:72:A:THR:HB	1:9:A:LEU:HD21	1	0.14
(2,1440)	1:72:A:THR:HB	1:9:A:LEU:HD22	1	0.14
(2,1440)	1:72:A:THR:HB	1:9:A:LEU:HD23	1	0.14
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG21	1	0.14
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG22	1	0.14
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG23	1	0.14
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG21	1	0.14
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG22	1	0.14
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG23	1	0.14
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG21	1	0.14
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG22	1	0.14
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG23	1	0.14
(2,1402)	1:45:A:ILE:HD11	1:44:A:SER:HB3	3	0.14
(2,1402)	1:45:A:ILE:HD12	1:44:A:SER:HB3	3	0.14
(2,1402)	1:45:A:ILE:HD13	1:44:A:SER:HB3	3	0.14
(2,1402)	1:45:A:ILE:HD11	1:44:A:SER:HB3	15	0.14
(2,1402)	1:45:A:ILE:HD12	1:44:A:SER:HB3	15	0.14
(2,1402)	1:45:A:ILE:HD13	1:44:A:SER:HB3	15	0.14
(2,1379)	1:97:A:ARG:HG3	1:97:A:ARG:HB2	2	0.14
(2,1379)	1:97:A:ARG:HG3	1:97:A:ARG:HB2	3	0.14
(2,1379)	1:97:A:ARG:HG3	1:97:A:ARG:HB2	7	0.14
(2,1375)	1:97:A:ARG:HB3	1:97:A:ARG:HD3	10	0.14
(2,1367)	1:97:A:ARG:HB2	1:98:A:LEU:H	3	0.14
(2,1350)	1:70:A:HIS:HB3	1:71:A:ASN:H	6	0.14
(2,1334)	1:69:A:THR:HA	1:74:A:LEU:H	3	0.14
(2,1334)	1:69:A:THR:HA	1:74:A:LEU:H	13	0.14
(2,1299)	1:66:A:ASN:HB2	1:67:A:THR:H	5	0.14
(2,1299)	1:66:A:ASN:HB2	1:67:A:THR:H	13	0.14
(2,1299)	1:66:A:ASN:HB2	1:67:A:THR:H	16	0.14
(2,1270)	1:65:A:ARG:HA	1:68:A:LEU:HB3	1	0.14
(2,1270)	1:65:A:ARG:HA	1:68:A:LEU:HB3	2	0.14
(2,1270)	1:65:A:ARG:HA	1:68:A:LEU:HB3	5	0.14
(2,1270)	1:65:A:ARG:HA	1:68:A:LEU:HB3	8	0.14
(2,1270)	1:65:A:ARG:HA	1:68:A:LEU:HB3	9	0.14
(2,1270)	1:65:A:ARG:HA	1:68:A:LEU:HB3	10	0.14
(2,1231)	1:63:A:GLU:HG3	1:64:A:LEU:H	6	0.14
(2,1226)	1:63:A:GLU:HG3	1:60:A:THR:HA	8	0.14
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG21	15	0.14
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG22	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG23	15	0.14
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG21	3	0.14
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG22	3	0.14
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG23	3	0.14
(2,1172)	1:61:A:ALA:HB1	1:81:A:ILE:HB	6	0.14
(2,1172)	1:61:A:ALA:HB2	1:81:A:ILE:HB	6	0.14
(2,1172)	1:61:A:ALA:HB3	1:81:A:ILE:HB	6	0.14
(2,1172)	1:61:A:ALA:HB1	1:81:A:ILE:HB	10	0.14
(2,1172)	1:61:A:ALA:HB2	1:81:A:ILE:HB	10	0.14
(2,1172)	1:61:A:ALA:HB3	1:81:A:ILE:HB	10	0.14
(2,1135)	1:59:A:LEU:HA	1:58:A:SER:HA	2	0.14
(2,1135)	1:59:A:LEU:HA	1:58:A:SER:HA	3	0.14
(2,1135)	1:59:A:LEU:HA	1:58:A:SER:HA	13	0.14
(2,1133)	1:58:A:SER:HB3	1:59:A:LEU:HG	15	0.14
(2,1073)	1:54:A:LEU:HG	1:54:A:LEU:HB2	15	0.14
(2,1029)	1:51:A:PHE:HB3	1:52:A:LYS:HG2	15	0.14
(2,980)	1:49:A:THR:HB	1:54:A:LEU:HG	12	0.14
(2,977)	1:49:A:THR:HB	1:49:A:THR:H	3	0.14
(2,977)	1:49:A:THR:HB	1:49:A:THR:H	13	0.14
(2,930)	1:45:A:ILE:HB	1:45:A:ILE:HG13	4	0.14
(2,930)	1:45:A:ILE:HB	1:45:A:ILE:HG13	9	0.14
(2,930)	1:45:A:ILE:HB	1:45:A:ILE:HG13	12	0.14
(2,930)	1:45:A:ILE:HB	1:45:A:ILE:HG13	13	0.14
(2,930)	1:45:A:ILE:HB	1:45:A:ILE:HG13	15	0.14
(2,930)	1:45:A:ILE:HB	1:45:A:ILE:HG13	16	0.14
(2,927)	1:56:A:ILE:HD11	1:56:A:ILE:HA	1	0.14
(2,927)	1:56:A:ILE:HD12	1:56:A:ILE:HA	1	0.14
(2,927)	1:56:A:ILE:HD13	1:56:A:ILE:HA	1	0.14
(2,892)	1:43:A:GLU:HG2	1:41:A:THR:HB	8	0.14
(2,889)	1:42:A:PRO:HD2	1:41:A:THR:HA	6	0.14
(2,875)	1:78:A:PRO:HB3	1:78:A:PRO:HA	2	0.14
(2,875)	1:78:A:PRO:HB3	1:78:A:PRO:HA	3	0.14
(2,875)	1:78:A:PRO:HB3	1:78:A:PRO:HA	4	0.14
(2,875)	1:78:A:PRO:HB3	1:78:A:PRO:HA	10	0.14
(2,875)	1:78:A:PRO:HB3	1:78:A:PRO:HA	13	0.14
(2,875)	1:78:A:PRO:HB3	1:78:A:PRO:HA	14	0.14
(2,874)	1:42:A:PRO:HB3	1:42:A:PRO:HA	1	0.14
(2,874)	1:42:A:PRO:HB3	1:42:A:PRO:HA	4	0.14
(2,874)	1:42:A:PRO:HB3	1:42:A:PRO:HA	6	0.14
(2,874)	1:42:A:PRO:HB3	1:42:A:PRO:HA	12	0.14
(2,874)	1:42:A:PRO:HB3	1:42:A:PRO:HA	13	0.14
(2,874)	1:42:A:PRO:HB3	1:42:A:PRO:HA	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,853)	1:74:A:LEU:HD21	1:74:A:LEU:HB3	6	0.14
(2,853)	1:74:A:LEU:HD22	1:74:A:LEU:HB3	6	0.14
(2,853)	1:74:A:LEU:HD23	1:74:A:LEU:HB3	6	0.14
(2,823)	1:36:A:VAL:HG11	1:33:A:THR:HA	4	0.14
(2,823)	1:36:A:VAL:HG12	1:33:A:THR:HA	4	0.14
(2,823)	1:36:A:VAL:HG13	1:33:A:THR:HA	4	0.14
(2,823)	1:36:A:VAL:HG11	1:33:A:THR:HA	5	0.14
(2,823)	1:36:A:VAL:HG12	1:33:A:THR:HA	5	0.14
(2,823)	1:36:A:VAL:HG13	1:33:A:THR:HA	5	0.14
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG21	1	0.14
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG22	1	0.14
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG23	1	0.14
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG21	7	0.14
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG22	7	0.14
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG23	7	0.14
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG21	10	0.14
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG22	10	0.14
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG23	10	0.14
(2,794)	1:36:A:VAL:HG11	1:36:A:VAL:H	3	0.14
(2,794)	1:36:A:VAL:HG12	1:36:A:VAL:H	3	0.14
(2,794)	1:36:A:VAL:HG13	1:36:A:VAL:H	3	0.14
(2,794)	1:36:A:VAL:HG11	1:36:A:VAL:H	9	0.14
(2,794)	1:36:A:VAL:HG12	1:36:A:VAL:H	9	0.14
(2,794)	1:36:A:VAL:HG13	1:36:A:VAL:H	9	0.14
(2,791)	1:96:A:THR:HG21	1:97:A:ARG:H	8	0.14
(2,791)	1:96:A:THR:HG22	1:97:A:ARG:H	8	0.14
(2,791)	1:96:A:THR:HG23	1:97:A:ARG:H	8	0.14
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB1	14	0.14
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB2	14	0.14
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB3	14	0.14
(2,731)	1:31:A:ALA:HA	1:42:A:PRO:HG2	2	0.14
(2,731)	1:31:A:ALA:HA	1:42:A:PRO:HG2	5	0.14
(2,731)	1:31:A:ALA:HA	1:42:A:PRO:HG2	13	0.14
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG11	11	0.14
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG12	11	0.14
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG13	11	0.14
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG11	11	0.14
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG12	11	0.14
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG13	11	0.14
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG11	11	0.14
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG12	11	0.14
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG13	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB1	4	0.14
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB2	4	0.14
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB3	4	0.14
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB1	7	0.14
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB2	7	0.14
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB3	7	0.14
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB1	12	0.14
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB2	12	0.14
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB3	12	0.14
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB1	15	0.14
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB2	15	0.14
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB3	15	0.14
(2,552)	1:25:A:LEU:HB3	1:25:A:LEU:HA	7	0.14
(2,552)	1:25:A:LEU:HB3	1:25:A:LEU:HA	11	0.14
(2,552)	1:25:A:LEU:HB3	1:25:A:LEU:HA	16	0.14
(2,527)	1:24:A:THR:HB	1:24:A:THR:H	1	0.14
(2,527)	1:24:A:THR:HB	1:24:A:THR:H	3	0.14
(2,527)	1:24:A:THR:HB	1:24:A:THR:H	8	0.14
(2,527)	1:24:A:THR:HB	1:24:A:THR:H	10	0.14
(2,496)	1:23:A:GLN:HA	1:23:A:GLN:HG2	8	0.14
(2,494)	1:22:A:GLN:HG2	1:23:A:GLN:H	6	0.14
(2,492)	1:22:A:GLN:HG2	1:19:A:GLN:HA	14	0.14
(2,492)	1:22:A:GLN:HG2	1:19:A:GLN:HA	16	0.14
(2,464)	1:20:A:GLN:HG3	1:20:A:GLN:HA	7	0.14
(2,464)	1:20:A:GLN:HG3	1:20:A:GLN:HA	16	0.14
(2,458)	1:20:A:GLN:HB3	1:16:A:LEU:HB3	12	0.14
(2,389)	1:19:A:GLN:HA	1:19:A:GLN:H	1	0.14
(2,389)	1:19:A:GLN:HA	1:19:A:GLN:H	8	0.14
(2,389)	1:19:A:GLN:HA	1:19:A:GLN:H	10	0.14
(2,389)	1:19:A:GLN:HA	1:19:A:GLN:H	12	0.14
(2,389)	1:19:A:GLN:HA	1:19:A:GLN:H	16	0.14
(2,359)	1:16:A:LEU:HD21	1:21:A:GLN:HG2	6	0.14
(2,359)	1:16:A:LEU:HD22	1:21:A:GLN:HG2	6	0.14
(2,359)	1:16:A:LEU:HD23	1:21:A:GLN:HG2	6	0.14
(2,351)	1:16:A:LEU:HA	1:16:A:LEU:HD21	3	0.14
(2,351)	1:16:A:LEU:HA	1:16:A:LEU:HD22	3	0.14
(2,351)	1:16:A:LEU:HA	1:16:A:LEU:HD23	3	0.14
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD21	3	0.14
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD22	3	0.14
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD23	3	0.14
(2,274)	1:12:A:ARG:HB2	1:12:A:ARG:HD3	10	0.14
(2,265)	1:12:A:ARG:HG2	1:11:A:ALA:HB1	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,265)	1:12:A:ARG:HG2	1:11:A:ALA:HB2	1	0.14
(2,265)	1:12:A:ARG:HG2	1:11:A:ALA:HB3	1	0.14
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD11	4	0.14
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD12	4	0.14
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD13	4	0.14
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD11	4	0.14
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD12	4	0.14
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD13	4	0.14
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD11	4	0.14
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD12	4	0.14
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD13	4	0.14
(2,237)	1:50:A:ALA:HB1	1:85:A:PRO:HB3	4	0.14
(2,237)	1:50:A:ALA:HB2	1:85:A:PRO:HB3	4	0.14
(2,237)	1:50:A:ALA:HB3	1:85:A:PRO:HB3	4	0.14
(2,236)	1:31:A:ALA:HB1	1:42:A:PRO:HB2	7	0.14
(2,236)	1:31:A:ALA:HB2	1:42:A:PRO:HB2	7	0.14
(2,236)	1:31:A:ALA:HB3	1:42:A:PRO:HB2	7	0.14
(2,224)	1:50:A:ALA:HB1	1:50:A:ALA:H	9	0.14
(2,224)	1:50:A:ALA:HB2	1:50:A:ALA:H	9	0.14
(2,224)	1:50:A:ALA:HB3	1:50:A:ALA:H	9	0.14
(2,194)	1:12:A:ARG:HA	1:12:A:ARG:HG2	9	0.14
(2,194)	1:12:A:ARG:HA	1:12:A:ARG:HG2	12	0.14
(2,156)	1:71:A:ASN:HA	1:71:A:ASN:HD22	6	0.14
(2,156)	1:71:A:ASN:HA	1:71:A:ASN:HD22	7	0.14
(2,136)	1:7:A:THR:HG21	1:8:A:ASP:H	9	0.14
(2,136)	1:7:A:THR:HG22	1:8:A:ASP:H	9	0.14
(2,136)	1:7:A:THR:HG23	1:8:A:ASP:H	9	0.14
(2,133)	1:35:A:THR:HG21	1:36:A:VAL:H	9	0.14
(2,133)	1:35:A:THR:HG22	1:36:A:VAL:H	9	0.14
(2,133)	1:35:A:THR:HG23	1:36:A:VAL:H	9	0.14
(2,133)	1:35:A:THR:HG21	1:36:A:VAL:H	16	0.14
(2,133)	1:35:A:THR:HG22	1:36:A:VAL:H	16	0.14
(2,133)	1:35:A:THR:HG23	1:36:A:VAL:H	16	0.14
(2,116)	1:6:A:ALA:HB1	1:10:A:ALA:H	3	0.14
(2,116)	1:6:A:ALA:HB2	1:10:A:ALA:H	3	0.14
(2,116)	1:6:A:ALA:HB3	1:10:A:ALA:H	3	0.14
(2,82)	1:3:A:ALA:HA	1:4:A:SER:H	14	0.14
(2,76)	1:81:A:ILE:HD11	1:51:A:PHE:HE1	13	0.14
(2,76)	1:81:A:ILE:HD11	1:51:A:PHE:HE2	13	0.14
(2,76)	1:81:A:ILE:HD12	1:51:A:PHE:HE1	13	0.14
(2,76)	1:81:A:ILE:HD12	1:51:A:PHE:HE2	13	0.14
(2,76)	1:81:A:ILE:HD13	1:51:A:PHE:HE1	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,76)	1:81:A:ILE:HD13	1:51:A:PHE:HE2	13	0.14
(2,51)	1:51:A:PHE:HD1	1:51:A:PHE:HB3	1	0.14
(2,51)	1:51:A:PHE:HD2	1:51:A:PHE:HB3	1	0.14
(2,51)	1:51:A:PHE:HD1	1:51:A:PHE:HB3	2	0.14
(2,51)	1:51:A:PHE:HD2	1:51:A:PHE:HB3	2	0.14
(2,51)	1:51:A:PHE:HD1	1:51:A:PHE:HB3	6	0.14
(2,51)	1:51:A:PHE:HD2	1:51:A:PHE:HB3	6	0.14
(2,51)	1:51:A:PHE:HD1	1:51:A:PHE:HB3	14	0.14
(2,51)	1:51:A:PHE:HD2	1:51:A:PHE:HB3	14	0.14
(2,24)	1:39:A:HIS:HD2	1:39:A:HIS:HB2	14	0.14
(1,600)	1:33:A:THR:H	1:30:A:ALA:HA	8	0.14
(1,600)	1:33:A:THR:H	1:30:A:ALA:HA	12	0.14
(1,600)	1:33:A:THR:H	1:30:A:ALA:HA	14	0.14
(1,532)	1:93:A:HIS:H	1:93:A:HIS:HD2	13	0.14
(1,529)	1:65:A:ARG:H	1:64:A:LEU:HB3	5	0.14
(1,529)	1:65:A:ARG:H	1:64:A:LEU:HB3	16	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG21	1	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG22	1	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG23	1	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG21	2	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG22	2	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG23	2	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG21	6	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG22	6	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG23	6	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG21	7	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG22	7	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG23	7	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG21	11	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG22	11	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG23	11	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG21	12	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG22	12	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG23	12	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG21	15	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG22	15	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG23	15	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG21	16	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG22	16	0.14
(1,510)	1:49:A:THR:H	1:49:A:THR:HG23	16	0.14
(1,503)	1:100:A:GLN:H	1:99:A:THR:HA	10	0.14
(1,503)	1:100:A:GLN:H	1:99:A:THR:HA	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD21	9	0.14
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD22	9	0.14
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD23	9	0.14
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD21	15	0.14
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD22	15	0.14
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD23	15	0.14
(1,409)	1:4:A:SER:H	1:4:A:SER:HB2	10	0.14
(1,406)	1:48:A:ALA:H	1:47:A:PRO:HA	5	0.14
(1,406)	1:48:A:ALA:H	1:47:A:PRO:HA	9	0.14
(1,398)	1:44:A:SER:H	1:43:A:GLU:HG2	9	0.14
(1,376)	1:58:A:SER:H	1:58:A:SER:HB3	6	0.14
(1,376)	1:58:A:SER:H	1:58:A:SER:HB3	10	0.14
(1,350)	1:17:A:SER:H	1:16:A:LEU:HB3	16	0.14
(1,347)	1:17:A:SER:H	1:17:A:SER:HB2	8	0.14
(1,347)	1:17:A:SER:H	1:17:A:SER:HB2	14	0.14
(1,346)	1:17:A:SER:H	1:17:A:SER:HB3	5	0.14
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD21	13	0.14
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD22	13	0.14
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD23	13	0.14
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD21	15	0.14
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD22	15	0.14
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD23	15	0.14
(1,247)	1:64:A:LEU:H	1:36:A:VAL:HG11	8	0.14
(1,247)	1:64:A:LEU:H	1:36:A:VAL:HG12	8	0.14
(1,247)	1:64:A:LEU:H	1:36:A:VAL:HG13	8	0.14
(1,239)	1:45:A:ILE:H	1:45:A:ILE:HG13	3	0.14
(1,213)	1:38:A:GLY:H	1:38:A:GLY:HA2	15	0.14
(1,159)	1:5:A:ALA:H	1:5:A:ALA:HA	11	0.14
(1,159)	1:5:A:ALA:H	1:5:A:ALA:HA	16	0.14
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG21	9	0.14
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG22	9	0.14
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG23	9	0.14
(1,125)	1:21:A:GLN:H	1:21:A:GLN:HB2	13	0.14
(1,125)	1:21:A:GLN:H	1:21:A:GLN:HB2	16	0.14
(1,105)	1:73:A:GLY:H	1:94:A:LEU:HD21	2	0.14
(1,105)	1:73:A:GLY:H	1:94:A:LEU:HD22	2	0.14
(1,105)	1:73:A:GLY:H	1:94:A:LEU:HD23	2	0.14
(1,103)	1:71:A:ASN:H	1:71:A:ASN:HB2	1	0.14
(1,103)	1:71:A:ASN:H	1:71:A:ASN:HB2	3	0.14
(1,103)	1:71:A:ASN:H	1:71:A:ASN:HB2	14	0.14
(1,95)	1:71:A:ASN:HD22	1:71:A:ASN:HA	6	0.14
(1,95)	1:71:A:ASN:HD22	1:71:A:ASN:HA	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,68)	1:20:A:GLN:H	1:21:A:GLN:H	2	0.14
(1,52)	1:15:A:GLY:H	1:15:A:GLY:HA2	2	0.14
(1,52)	1:15:A:GLY:H	1:15:A:GLY:HA2	5	0.14
(1,38)	1:73:A:GLY:H	1:74:A:LEU:H	16	0.14
(1,23)	1:44:A:SER:H	1:45:A:ILE:H	13	0.14
(1,22)	1:43:A:GLU:H	1:44:A:SER:H	13	0.14
(1,20)	1:35:A:THR:H	1:34:A:ALA:H	6	0.14
(1,20)	1:35:A:THR:H	1:34:A:ALA:H	15	0.14
(1,3)	1:52:A:LYS:H	1:51:A:PHE:H	4	0.14
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB1	12	0.13
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB2	12	0.13
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB3	12	0.13
(2,1914)	1:91:A:THR:HB	1:92:A:GLN:H	12	0.13
(2,1914)	1:91:A:THR:HB	1:92:A:GLN:H	16	0.13
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB1	3	0.13
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB2	3	0.13
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB3	3	0.13
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB1	3	0.13
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB2	3	0.13
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB3	3	0.13
(2,1887)	1:13:A:LEU:HG	1:14:A:ASN:H	16	0.13
(2,1850)	1:70:A:HIS:HD2	1:70:A:HIS:HB3	6	0.13
(2,1849)	1:84:A:HIS:HD2	1:84:A:HIS:H	1	0.13
(2,1789)	1:99:A:THR:HA	1:98:A:LEU:H	1	0.13
(2,1789)	1:99:A:THR:HA	1:98:A:LEU:H	7	0.13
(2,1789)	1:99:A:THR:HA	1:98:A:LEU:H	11	0.13
(2,1769)	1:97:A:ARG:HA	1:97:A:ARG:HG3	2	0.13
(2,1769)	1:97:A:ARG:HA	1:97:A:ARG:HG3	7	0.13
(2,1734)	1:94:A:LEU:HA	1:98:A:LEU:H	11	0.13
(2,1714)	1:92:A:GLN:HG2	1:92:A:GLN:HA	5	0.13
(2,1714)	1:92:A:GLN:HG2	1:92:A:GLN:HA	14	0.13
(2,1710)	1:92:A:GLN:HB2	1:89:A:ALA:HA	4	0.13
(2,1710)	1:92:A:GLN:HB2	1:89:A:ALA:HA	14	0.13
(2,1710)	1:92:A:GLN:HB2	1:89:A:ALA:HA	15	0.13
(2,1695)	1:91:A:THR:HA	1:90:A:LEU:HG	4	0.13
(2,1689)	1:91:A:THR:HA	1:91:A:THR:H	1	0.13
(2,1689)	1:91:A:THR:HA	1:91:A:THR:H	2	0.13
(2,1689)	1:91:A:THR:HA	1:91:A:THR:H	4	0.13
(2,1689)	1:91:A:THR:HA	1:91:A:THR:H	5	0.13
(2,1689)	1:91:A:THR:HA	1:91:A:THR:H	7	0.13
(2,1689)	1:91:A:THR:HA	1:91:A:THR:H	10	0.13
(2,1689)	1:91:A:THR:HA	1:91:A:THR:H	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1689)	1:91:A:THR:HA	1:91:A:THR:H	15	0.13
(2,1689)	1:91:A:THR:HA	1:91:A:THR:H	16	0.13
(2,1679)	1:90:A:LEU:HD21	1:90:A:LEU:HB3	13	0.13
(2,1679)	1:90:A:LEU:HD22	1:90:A:LEU:HB3	13	0.13
(2,1679)	1:90:A:LEU:HD23	1:90:A:LEU:HB3	13	0.13
(2,1679)	1:90:A:LEU:HD21	1:90:A:LEU:HB3	15	0.13
(2,1679)	1:90:A:LEU:HD22	1:90:A:LEU:HB3	15	0.13
(2,1679)	1:90:A:LEU:HD23	1:90:A:LEU:HB3	15	0.13
(2,1678)	1:90:A:LEU:HD21	1:90:A:LEU:HB2	7	0.13
(2,1678)	1:90:A:LEU:HD22	1:90:A:LEU:HB2	7	0.13
(2,1678)	1:90:A:LEU:HD23	1:90:A:LEU:HB2	7	0.13
(2,1668)	1:90:A:LEU:HA	1:94:A:LEU:HD11	10	0.13
(2,1668)	1:90:A:LEU:HA	1:94:A:LEU:HD12	10	0.13
(2,1668)	1:90:A:LEU:HA	1:94:A:LEU:HD13	10	0.13
(2,1630)	1:87:A:PRO:HD3	1:51:A:PHE:H	1	0.13
(2,1602)	1:86:A:THR:HB	1:88:A:HIS:H	9	0.13
(2,1560)	1:82:A:PHE:HB2	1:83:A:ASP:H	1	0.13
(2,1560)	1:82:A:PHE:HB2	1:83:A:ASP:H	9	0.13
(2,1560)	1:82:A:PHE:HB2	1:83:A:ASP:H	16	0.13
(2,1544)	1:81:A:ILE:HA	1:84:A:HIS:HB2	9	0.13
(2,1542)	1:81:A:ILE:HA	1:84:A:HIS:H	3	0.13
(2,1499)	1:79:A:THR:HA	1:78:A:PRO:HB3	2	0.13
(2,1499)	1:79:A:THR:HA	1:78:A:PRO:HB3	16	0.13
(2,1490)	1:79:A:THR:HA	1:79:A:THR:HB	8	0.13
(2,1490)	1:79:A:THR:HA	1:79:A:THR:HB	9	0.13
(2,1486)	1:78:A:PRO:HB2	1:79:A:THR:H	7	0.13
(2,1453)	1:40:A:HIS:HA	1:40:A:HIS:HB2	13	0.13
(2,1444)	1:88:A:HIS:HB3	1:88:A:HIS:H	6	0.13
(2,1440)	1:72:A:THR:HB	1:9:A:LEU:HD21	11	0.13
(2,1440)	1:72:A:THR:HB	1:9:A:LEU:HD22	11	0.13
(2,1440)	1:72:A:THR:HB	1:9:A:LEU:HD23	11	0.13
(2,1400)	1:45:A:ILE:HD11	1:45:A:ILE:HA	16	0.13
(2,1400)	1:45:A:ILE:HD12	1:45:A:ILE:HA	16	0.13
(2,1400)	1:45:A:ILE:HD13	1:45:A:ILE:HA	16	0.13
(2,1380)	1:97:A:ARG:HB3	1:97:A:ARG:HG3	9	0.13
(2,1379)	1:97:A:ARG:HG3	1:97:A:ARG:HB2	4	0.13
(2,1379)	1:97:A:ARG:HG3	1:97:A:ARG:HB2	10	0.13
(2,1379)	1:97:A:ARG:HG3	1:97:A:ARG:HB2	14	0.13
(2,1379)	1:97:A:ARG:HG3	1:97:A:ARG:HB2	16	0.13
(2,1374)	1:97:A:ARG:HD2	1:97:A:ARG:HB3	5	0.13
(2,1367)	1:97:A:ARG:HB2	1:98:A:LEU:H	16	0.13
(2,1320)	1:68:A:LEU:HG	1:68:A:LEU:HB2	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1301)	1:66:A:ASN:HB2	1:65:A:ARG:H	16	0.13
(2,1276)	1:65:A:ARG:HA	1:62:A:LEU:HA	12	0.13
(2,1270)	1:65:A:ARG:HA	1:68:A:LEU:HB3	14	0.13
(2,1259)	1:64:A:LEU:HD21	1:90:A:LEU:HD21	3	0.13
(2,1259)	1:64:A:LEU:HD21	1:90:A:LEU:HD22	3	0.13
(2,1259)	1:64:A:LEU:HD21	1:90:A:LEU:HD23	3	0.13
(2,1259)	1:64:A:LEU:HD22	1:90:A:LEU:HD21	3	0.13
(2,1259)	1:64:A:LEU:HD22	1:90:A:LEU:HD22	3	0.13
(2,1259)	1:64:A:LEU:HD22	1:90:A:LEU:HD23	3	0.13
(2,1259)	1:64:A:LEU:HD23	1:90:A:LEU:HD21	3	0.13
(2,1259)	1:64:A:LEU:HD23	1:90:A:LEU:HD22	3	0.13
(2,1259)	1:64:A:LEU:HD23	1:90:A:LEU:HD23	3	0.13
(2,1248)	1:64:A:LEU:HD11	1:90:A:LEU:HB3	14	0.13
(2,1248)	1:64:A:LEU:HD12	1:90:A:LEU:HB3	14	0.13
(2,1248)	1:64:A:LEU:HD13	1:90:A:LEU:HB3	14	0.13
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG21	13	0.13
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG22	13	0.13
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG23	13	0.13
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG21	16	0.13
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG22	16	0.13
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG23	16	0.13
(2,1203)	1:62:A:LEU:HG	1:63:A:GLU:H	9	0.13
(2,1203)	1:62:A:LEU:HG	1:63:A:GLU:H	13	0.13
(2,1203)	1:62:A:LEU:HG	1:63:A:GLU:H	15	0.13
(2,1188)	1:62:A:LEU:HB3	1:63:A:GLU:H	8	0.13
(2,1174)	1:61:A:ALA:HB1	1:58:A:SER:HB2	11	0.13
(2,1174)	1:61:A:ALA:HB2	1:58:A:SER:HB2	11	0.13
(2,1174)	1:61:A:ALA:HB3	1:58:A:SER:HB2	11	0.13
(2,1174)	1:61:A:ALA:HB1	1:58:A:SER:HB2	16	0.13
(2,1174)	1:61:A:ALA:HB2	1:58:A:SER:HB2	16	0.13
(2,1174)	1:61:A:ALA:HB3	1:58:A:SER:HB2	16	0.13
(2,1154)	1:60:A:THR:HB	1:63:A:GLU:H	13	0.13
(2,1135)	1:59:A:LEU:HA	1:58:A:SER:HA	11	0.13
(2,1135)	1:59:A:LEU:HA	1:58:A:SER:HA	12	0.13
(2,1117)	1:56:A:ILE:HG21	1:56:A:ILE:HB	1	0.13
(2,1117)	1:56:A:ILE:HG22	1:56:A:ILE:HB	1	0.13
(2,1117)	1:56:A:ILE:HG23	1:56:A:ILE:HB	1	0.13
(2,1117)	1:56:A:ILE:HG21	1:56:A:ILE:HB	2	0.13
(2,1117)	1:56:A:ILE:HG22	1:56:A:ILE:HB	2	0.13
(2,1117)	1:56:A:ILE:HG23	1:56:A:ILE:HB	2	0.13
(2,1117)	1:56:A:ILE:HG21	1:56:A:ILE:HB	3	0.13
(2,1117)	1:56:A:ILE:HG22	1:56:A:ILE:HB	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1117)	1:56:A:ILE:HG23	1:56:A:ILE:HB	3	0.13
(2,1117)	1:56:A:ILE:HG21	1:56:A:ILE:HB	7	0.13
(2,1117)	1:56:A:ILE:HG22	1:56:A:ILE:HB	7	0.13
(2,1117)	1:56:A:ILE:HG23	1:56:A:ILE:HB	7	0.13
(2,1117)	1:56:A:ILE:HG21	1:56:A:ILE:HB	8	0.13
(2,1117)	1:56:A:ILE:HG22	1:56:A:ILE:HB	8	0.13
(2,1117)	1:56:A:ILE:HG23	1:56:A:ILE:HB	8	0.13
(2,1117)	1:56:A:ILE:HG21	1:56:A:ILE:HB	9	0.13
(2,1117)	1:56:A:ILE:HG22	1:56:A:ILE:HB	9	0.13
(2,1117)	1:56:A:ILE:HG23	1:56:A:ILE:HB	9	0.13
(2,1117)	1:56:A:ILE:HG21	1:56:A:ILE:HB	11	0.13
(2,1117)	1:56:A:ILE:HG22	1:56:A:ILE:HB	11	0.13
(2,1117)	1:56:A:ILE:HG23	1:56:A:ILE:HB	11	0.13
(2,1117)	1:56:A:ILE:HG21	1:56:A:ILE:HB	13	0.13
(2,1117)	1:56:A:ILE:HG22	1:56:A:ILE:HB	13	0.13
(2,1117)	1:56:A:ILE:HG23	1:56:A:ILE:HB	13	0.13
(2,1117)	1:56:A:ILE:HG21	1:56:A:ILE:HB	15	0.13
(2,1117)	1:56:A:ILE:HG22	1:56:A:ILE:HB	15	0.13
(2,1117)	1:56:A:ILE:HG23	1:56:A:ILE:HB	15	0.13
(2,1100)	1:81:A:ILE:HG21	1:90:A:LEU:HB2	15	0.13
(2,1100)	1:81:A:ILE:HG22	1:90:A:LEU:HB2	15	0.13
(2,1100)	1:81:A:ILE:HG23	1:90:A:LEU:HB2	15	0.13
(2,1029)	1:51:A:PHE:HB3	1:52:A:LYS:HG2	10	0.13
(2,1006)	1:57:A:ASP:HA	1:57:A:ASP:H	4	0.13
(2,1006)	1:57:A:ASP:HA	1:57:A:ASP:H	15	0.13
(2,1005)	1:57:A:ASP:HA	1:57:A:ASP:HB2	3	0.13
(2,1005)	1:57:A:ASP:HA	1:57:A:ASP:HB2	10	0.13
(2,1005)	1:57:A:ASP:HA	1:57:A:ASP:HB2	14	0.13
(2,1004)	1:57:A:ASP:HB3	1:57:A:ASP:HA	7	0.13
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD21	4	0.13
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD22	4	0.13
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD23	4	0.13
(2,997)	1:49:A:THR:HG21	1:54:A:LEU:HG	16	0.13
(2,997)	1:49:A:THR:HG22	1:54:A:LEU:HG	16	0.13
(2,997)	1:49:A:THR:HG23	1:54:A:LEU:HG	16	0.13
(2,977)	1:49:A:THR:HB	1:49:A:THR:H	5	0.13
(2,930)	1:45:A:ILE:HB	1:45:A:ILE:HG13	1	0.13
(2,930)	1:45:A:ILE:HB	1:45:A:ILE:HG13	3	0.13
(2,930)	1:45:A:ILE:HB	1:45:A:ILE:HG13	5	0.13
(2,930)	1:45:A:ILE:HB	1:45:A:ILE:HG13	7	0.13
(2,930)	1:45:A:ILE:HB	1:45:A:ILE:HG13	10	0.13
(2,930)	1:45:A:ILE:HB	1:45:A:ILE:HG13	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,876)	1:42:A:PRO:HB2	1:43:A:GLU:H	4	0.13
(2,875)	1:78:A:PRO:HB3	1:78:A:PRO:HA	5	0.13
(2,875)	1:78:A:PRO:HB3	1:78:A:PRO:HA	8	0.13
(2,875)	1:78:A:PRO:HB3	1:78:A:PRO:HA	12	0.13
(2,875)	1:78:A:PRO:HB3	1:78:A:PRO:HA	16	0.13
(2,874)	1:42:A:PRO:HB3	1:42:A:PRO:HA	2	0.13
(2,874)	1:42:A:PRO:HB3	1:42:A:PRO:HA	3	0.13
(2,874)	1:42:A:PRO:HB3	1:42:A:PRO:HA	5	0.13
(2,874)	1:42:A:PRO:HB3	1:42:A:PRO:HA	7	0.13
(2,874)	1:42:A:PRO:HB3	1:42:A:PRO:HA	8	0.13
(2,874)	1:42:A:PRO:HB3	1:42:A:PRO:HA	9	0.13
(2,874)	1:42:A:PRO:HB3	1:42:A:PRO:HA	11	0.13
(2,874)	1:42:A:PRO:HB3	1:42:A:PRO:HA	14	0.13
(2,874)	1:42:A:PRO:HB3	1:42:A:PRO:HA	15	0.13
(2,857)	1:37:A:LEU:HD21	1:54:A:LEU:H	4	0.13
(2,857)	1:37:A:LEU:HD22	1:54:A:LEU:H	4	0.13
(2,857)	1:37:A:LEU:HD23	1:54:A:LEU:H	4	0.13
(2,857)	1:37:A:LEU:HD21	1:54:A:LEU:H	7	0.13
(2,857)	1:37:A:LEU:HD22	1:54:A:LEU:H	7	0.13
(2,857)	1:37:A:LEU:HD23	1:54:A:LEU:H	7	0.13
(2,845)	1:37:A:LEU:HD11	1:36:A:VAL:H	4	0.13
(2,845)	1:37:A:LEU:HD12	1:36:A:VAL:H	4	0.13
(2,845)	1:37:A:LEU:HD13	1:36:A:VAL:H	4	0.13
(2,845)	1:37:A:LEU:HD11	1:36:A:VAL:H	13	0.13
(2,845)	1:37:A:LEU:HD12	1:36:A:VAL:H	13	0.13
(2,845)	1:37:A:LEU:HD13	1:36:A:VAL:H	13	0.13
(2,823)	1:36:A:VAL:HG11	1:33:A:THR:HA	14	0.13
(2,823)	1:36:A:VAL:HG12	1:33:A:THR:HA	14	0.13
(2,823)	1:36:A:VAL:HG13	1:33:A:THR:HA	14	0.13
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG21	4	0.13
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG22	4	0.13
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG23	4	0.13
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG21	13	0.13
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG22	13	0.13
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG23	13	0.13
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG21	14	0.13
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG22	14	0.13
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG23	14	0.13
(2,794)	1:36:A:VAL:HG11	1:36:A:VAL:H	10	0.13
(2,794)	1:36:A:VAL:HG12	1:36:A:VAL:H	10	0.13
(2,794)	1:36:A:VAL:HG13	1:36:A:VAL:H	10	0.13
(2,794)	1:36:A:VAL:HG11	1:36:A:VAL:H	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,794)	1:36:A:VAL:HG12	1:36:A:VAL:H	16	0.13
(2,794)	1:36:A:VAL:HG13	1:36:A:VAL:H	16	0.13
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB1	1	0.13
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB2	1	0.13
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB3	1	0.13
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB1	10	0.13
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB2	10	0.13
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB3	10	0.13
(2,763)	1:61:A:ALA:HA	1:64:A:LEU:HA	8	0.13
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG11	13	0.13
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG12	13	0.13
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG13	13	0.13
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG11	13	0.13
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG12	13	0.13
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG13	13	0.13
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG11	13	0.13
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG12	13	0.13
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG13	13	0.13
(2,565)	1:28:A:LEU:HD11	1:71:A:ASN:HB2	8	0.13
(2,565)	1:28:A:LEU:HD12	1:71:A:ASN:HB2	8	0.13
(2,565)	1:28:A:LEU:HD13	1:71:A:ASN:HB2	8	0.13
(2,565)	1:28:A:LEU:HD11	1:71:A:ASN:HB2	15	0.13
(2,565)	1:28:A:LEU:HD12	1:71:A:ASN:HB2	15	0.13
(2,565)	1:28:A:LEU:HD13	1:71:A:ASN:HB2	15	0.13
(2,552)	1:25:A:LEU:HB3	1:25:A:LEU:HA	3	0.13
(2,527)	1:24:A:THR:HB	1:24:A:THR:H	11	0.13
(2,494)	1:22:A:GLN:HG2	1:23:A:GLN:H	3	0.13
(2,487)	1:22:A:GLN:HG3	1:95:A:HIS:HB2	15	0.13
(2,486)	1:22:A:GLN:HG3	1:22:A:GLN:HB2	2	0.13
(2,486)	1:22:A:GLN:HG3	1:22:A:GLN:HB2	3	0.13
(2,486)	1:22:A:GLN:HG3	1:22:A:GLN:HB2	4	0.13
(2,486)	1:22:A:GLN:HG3	1:22:A:GLN:HB2	9	0.13
(2,486)	1:22:A:GLN:HG3	1:22:A:GLN:HB2	12	0.13
(2,486)	1:22:A:GLN:HG3	1:22:A:GLN:HB2	13	0.13
(2,477)	1:25:A:LEU:HG	1:25:A:LEU:H	3	0.13
(2,464)	1:20:A:GLN:HG3	1:20:A:GLN:HA	4	0.13
(2,464)	1:20:A:GLN:HG3	1:20:A:GLN:HA	14	0.13
(2,404)	1:23:A:GLN:HG2	1:24:A:THR:H	12	0.13
(2,376)	1:18:A:PRO:HA	1:21:A:GLN:HG2	7	0.13
(2,354)	1:16:A:LEU:HG	1:16:A:LEU:H	1	0.13
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD21	7	0.13
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD22	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,325)	1:87:A:PRO:HD3	1:54:A:LEU:HD23	7	0.13
(2,296)	1:68:A:LEU:HB2	1:68:A:LEU:H	14	0.13
(2,274)	1:12:A:ARG:HB2	1:12:A:ARG:HD3	9	0.13
(2,274)	1:12:A:ARG:HB2	1:12:A:ARG:HD3	12	0.13
(2,269)	1:12:A:ARG:HG2	1:13:A:LEU:H	6	0.13
(2,265)	1:12:A:ARG:HG2	1:11:A:ALA:HB1	2	0.13
(2,265)	1:12:A:ARG:HG2	1:11:A:ALA:HB2	2	0.13
(2,265)	1:12:A:ARG:HG2	1:11:A:ALA:HB3	2	0.13
(2,250)	1:12:A:ARG:HG2	1:12:A:ARG:HB3	1	0.13
(2,250)	1:12:A:ARG:HG2	1:12:A:ARG:HB3	15	0.13
(2,237)	1:50:A:ALA:HB1	1:85:A:PRO:HB3	1	0.13
(2,237)	1:50:A:ALA:HB2	1:85:A:PRO:HB3	1	0.13
(2,237)	1:50:A:ALA:HB3	1:85:A:PRO:HB3	1	0.13
(2,237)	1:50:A:ALA:HB1	1:85:A:PRO:HB3	3	0.13
(2,237)	1:50:A:ALA:HB2	1:85:A:PRO:HB3	3	0.13
(2,237)	1:50:A:ALA:HB3	1:85:A:PRO:HB3	3	0.13
(2,224)	1:50:A:ALA:HB1	1:50:A:ALA:H	1	0.13
(2,224)	1:50:A:ALA:HB2	1:50:A:ALA:H	1	0.13
(2,224)	1:50:A:ALA:HB3	1:50:A:ALA:H	1	0.13
(2,224)	1:50:A:ALA:HB1	1:50:A:ALA:H	3	0.13
(2,224)	1:50:A:ALA:HB2	1:50:A:ALA:H	3	0.13
(2,224)	1:50:A:ALA:HB3	1:50:A:ALA:H	3	0.13
(2,224)	1:50:A:ALA:HB1	1:50:A:ALA:H	5	0.13
(2,224)	1:50:A:ALA:HB2	1:50:A:ALA:H	5	0.13
(2,224)	1:50:A:ALA:HB3	1:50:A:ALA:H	5	0.13
(2,224)	1:50:A:ALA:HB1	1:50:A:ALA:H	8	0.13
(2,224)	1:50:A:ALA:HB2	1:50:A:ALA:H	8	0.13
(2,224)	1:50:A:ALA:HB3	1:50:A:ALA:H	8	0.13
(2,224)	1:50:A:ALA:HB1	1:50:A:ALA:H	10	0.13
(2,224)	1:50:A:ALA:HB2	1:50:A:ALA:H	10	0.13
(2,224)	1:50:A:ALA:HB3	1:50:A:ALA:H	10	0.13
(2,224)	1:50:A:ALA:HB1	1:50:A:ALA:H	11	0.13
(2,224)	1:50:A:ALA:HB2	1:50:A:ALA:H	11	0.13
(2,224)	1:50:A:ALA:HB3	1:50:A:ALA:H	11	0.13
(2,224)	1:50:A:ALA:HB1	1:50:A:ALA:H	16	0.13
(2,224)	1:50:A:ALA:HB2	1:50:A:ALA:H	16	0.13
(2,224)	1:50:A:ALA:HB3	1:50:A:ALA:H	16	0.13
(2,194)	1:12:A:ARG:HA	1:12:A:ARG:HG2	2	0.13
(2,194)	1:12:A:ARG:HA	1:12:A:ARG:HG2	5	0.13
(2,194)	1:12:A:ARG:HA	1:12:A:ARG:HG2	10	0.13
(2,194)	1:12:A:ARG:HA	1:12:A:ARG:HG2	11	0.13
(2,133)	1:35:A:THR:HG21	1:36:A:VAL:H	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,133)	1:35:A:THR:HG22	1:36:A:VAL:H	3	0.13
(2,133)	1:35:A:THR:HG23	1:36:A:VAL:H	3	0.13
(2,133)	1:35:A:THR:HG21	1:36:A:VAL:H	7	0.13
(2,133)	1:35:A:THR:HG22	1:36:A:VAL:H	7	0.13
(2,133)	1:35:A:THR:HG23	1:36:A:VAL:H	7	0.13
(2,133)	1:35:A:THR:HG21	1:36:A:VAL:H	10	0.13
(2,133)	1:35:A:THR:HG22	1:36:A:VAL:H	10	0.13
(2,133)	1:35:A:THR:HG23	1:36:A:VAL:H	10	0.13
(2,76)	1:81:A:ILE:HD11	1:51:A:PHE:HE1	4	0.13
(2,76)	1:81:A:ILE:HD11	1:51:A:PHE:HE2	4	0.13
(2,76)	1:81:A:ILE:HD12	1:51:A:PHE:HE1	4	0.13
(2,76)	1:81:A:ILE:HD12	1:51:A:PHE:HE2	4	0.13
(2,76)	1:81:A:ILE:HD13	1:51:A:PHE:HE1	4	0.13
(2,76)	1:81:A:ILE:HD13	1:51:A:PHE:HE2	4	0.13
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD11	4	0.13
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD12	4	0.13
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD13	4	0.13
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD11	4	0.13
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD12	4	0.13
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD13	4	0.13
(2,51)	1:51:A:PHE:HD1	1:51:A:PHE:HB3	5	0.13
(2,51)	1:51:A:PHE:HD2	1:51:A:PHE:HB3	5	0.13
(2,51)	1:51:A:PHE:HD1	1:51:A:PHE:HB3	7	0.13
(2,51)	1:51:A:PHE:HD2	1:51:A:PHE:HB3	7	0.13
(2,51)	1:51:A:PHE:HD1	1:51:A:PHE:HB3	10	0.13
(2,51)	1:51:A:PHE:HD2	1:51:A:PHE:HB3	10	0.13
(2,51)	1:51:A:PHE:HD1	1:51:A:PHE:HB3	12	0.13
(2,51)	1:51:A:PHE:HD2	1:51:A:PHE:HB3	12	0.13
(2,51)	1:51:A:PHE:HD1	1:51:A:PHE:HB3	15	0.13
(2,51)	1:51:A:PHE:HD2	1:51:A:PHE:HB3	15	0.13
(2,24)	1:39:A:HIS:HD2	1:39:A:HIS:HB2	8	0.13
(2,20)	1:102:A:HIS:HB2	1:102:A:HIS:HD2	4	0.13
(1,600)	1:33:A:THR:H	1:30:A:ALA:HA	1	0.13
(1,571)	1:24:A:THR:H	1:23:A:GLN:HG2	12	0.13
(1,532)	1:93:A:HIS:H	1:93:A:HIS:HD2	2	0.13
(1,529)	1:65:A:ARG:H	1:64:A:LEU:HB3	6	0.13
(1,529)	1:65:A:ARG:H	1:64:A:LEU:HB3	14	0.13
(1,510)	1:49:A:THR:H	1:49:A:THR:HG21	10	0.13
(1,510)	1:49:A:THR:H	1:49:A:THR:HG22	10	0.13
(1,510)	1:49:A:THR:H	1:49:A:THR:HG23	10	0.13
(1,503)	1:100:A:GLN:H	1:99:A:THR:HA	3	0.13
(1,503)	1:100:A:GLN:H	1:99:A:THR:HA	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,503)	1:100:A:GLN:H	1:99:A:THR:HA	15	0.13
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD21	1	0.13
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD22	1	0.13
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD23	1	0.13
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD21	2	0.13
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD22	2	0.13
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD23	2	0.13
(1,398)	1:44:A:SER:H	1:43:A:GLU:HG2	15	0.13
(1,350)	1:17:A:SER:H	1:16:A:LEU:HB3	3	0.13
(1,347)	1:17:A:SER:H	1:17:A:SER:HB2	11	0.13
(1,346)	1:17:A:SER:H	1:17:A:SER:HB3	4	0.13
(1,242)	1:45:A:ILE:H	1:42:A:PRO:HA	15	0.13
(1,224)	1:35:A:THR:H	1:35:A:THR:HB	13	0.13
(1,219)	1:7:A:THR:H	1:6:A:ALA:HB1	16	0.13
(1,219)	1:7:A:THR:H	1:6:A:ALA:HB2	16	0.13
(1,219)	1:7:A:THR:H	1:6:A:ALA:HB3	16	0.13
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD11	4	0.13
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD12	4	0.13
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD13	4	0.13
(1,185)	1:16:A:LEU:H	1:16:A:LEU:HD21	6	0.13
(1,185)	1:16:A:LEU:H	1:16:A:LEU:HD22	6	0.13
(1,185)	1:16:A:LEU:H	1:16:A:LEU:HD23	6	0.13
(1,159)	1:5:A:ALA:H	1:5:A:ALA:HA	2	0.13
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG21	2	0.13
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG22	2	0.13
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG23	2	0.13
(1,134)	1:26:A:ALA:H	1:25:A:LEU:HB2	15	0.13
(1,125)	1:21:A:GLN:H	1:21:A:GLN:HB2	4	0.13
(1,125)	1:21:A:GLN:H	1:21:A:GLN:HB2	12	0.13
(1,110)	1:52:A:LYS:H	1:52:A:LYS:HG3	15	0.13
(1,103)	1:71:A:ASN:H	1:71:A:ASN:HB2	16	0.13
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD11	1	0.13
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD12	1	0.13
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD13	1	0.13
(1,68)	1:20:A:GLN:H	1:21:A:GLN:H	6	0.13
(1,52)	1:15:A:GLY:H	1:15:A:GLY:HA2	4	0.13
(1,52)	1:15:A:GLY:H	1:15:A:GLY:HA2	6	0.13
(1,52)	1:15:A:GLY:H	1:15:A:GLY:HA2	14	0.13
(1,52)	1:15:A:GLY:H	1:15:A:GLY:HA2	16	0.13
(1,24)	1:13:A:LEU:H	1:14:A:ASN:H	4	0.13
(1,24)	1:13:A:LEU:H	1:14:A:ASN:H	12	0.13
(1,24)	1:13:A:LEU:H	1:14:A:ASN:H	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:44:A:SER:H	1:45:A:ILE:H	4	0.13
(1,23)	1:44:A:SER:H	1:45:A:ILE:H	7	0.13
(1,20)	1:35:A:THR:H	1:34:A:ALA:H	1	0.13
(1,20)	1:35:A:THR:H	1:34:A:ALA:H	7	0.13
(1,17)	1:100:A:GLN:H	1:99:A:THR:H	13	0.13
(1,5)	1:88:A:HIS:H	1:89:A:ALA:H	1	0.13
(2,1914)	1:91:A:THR:HB	1:92:A:GLN:H	3	0.12
(2,1914)	1:91:A:THR:HB	1:92:A:GLN:H	11	0.12
(2,1907)	1:55:A:GLY:HA2	1:56:A:ILE:HB	2	0.12
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB1	13	0.12
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB2	13	0.12
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB3	13	0.12
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB1	13	0.12
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB2	13	0.12
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB3	13	0.12
(2,1887)	1:13:A:LEU:HG	1:14:A:ASN:H	4	0.12
(2,1887)	1:13:A:LEU:HG	1:14:A:ASN:H	12	0.12
(2,1887)	1:13:A:LEU:HG	1:14:A:ASN:H	15	0.12
(2,1836)	1:13:A:LEU:HD21	1:13:A:LEU:H	8	0.12
(2,1836)	1:13:A:LEU:HD22	1:13:A:LEU:H	8	0.12
(2,1836)	1:13:A:LEU:HD23	1:13:A:LEU:H	8	0.12
(2,1806)	1:100:A:GLN:HG3	1:97:A:ARG:HA	2	0.12
(2,1788)	1:99:A:THR:HB	1:99:A:THR:H	3	0.12
(2,1769)	1:97:A:ARG:HA	1:97:A:ARG:HG3	6	0.12
(2,1769)	1:97:A:ARG:HA	1:97:A:ARG:HG3	8	0.12
(2,1755)	1:92:A:GLN:HA	1:95:A:HIS:HB3	5	0.12
(2,1741)	1:94:A:LEU:HA	1:74:A:LEU:HB2	14	0.12
(2,1720)	1:92:A:GLN:HG3	1:89:A:ALA:HA	16	0.12
(2,1710)	1:92:A:GLN:HB2	1:89:A:ALA:HA	13	0.12
(2,1689)	1:91:A:THR:HA	1:91:A:THR:H	8	0.12
(2,1689)	1:91:A:THR:HA	1:91:A:THR:H	9	0.12
(2,1689)	1:91:A:THR:HA	1:91:A:THR:H	14	0.12
(2,1679)	1:90:A:LEU:HD21	1:90:A:LEU:HB3	16	0.12
(2,1679)	1:90:A:LEU:HD22	1:90:A:LEU:HB3	16	0.12
(2,1679)	1:90:A:LEU:HD23	1:90:A:LEU:HB3	16	0.12
(2,1663)	1:90:A:LEU:HA	1:84:A:HIS:HB3	1	0.12
(2,1630)	1:87:A:PRO:HD3	1:51:A:PHE:H	15	0.12
(2,1566)	1:83:A:ASP:HB2	1:83:A:ASP:H	3	0.12
(2,1557)	1:82:A:PHE:HA	1:82:A:PHE:HB3	11	0.12
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD1	9	0.12
(2,1543)	1:81:A:ILE:HA	1:51:A:PHE:HD2	9	0.12
(2,1500)	1:72:A:THR:HG21	1:74:A:LEU:H	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1500)	1:72:A:THR:HG22	1:74:A:LEU:H	4	0.12
(2,1500)	1:72:A:THR:HG23	1:74:A:LEU:H	4	0.12
(2,1490)	1:79:A:THR:HA	1:79:A:THR:HB	4	0.12
(2,1439)	1:72:A:THR:HB	1:74:A:LEU:HB2	7	0.12
(2,1439)	1:72:A:THR:HB	1:74:A:LEU:HB2	12	0.12
(2,1409)	1:56:A:ILE:HD11	1:37:A:LEU:H	7	0.12
(2,1409)	1:56:A:ILE:HD12	1:37:A:LEU:H	7	0.12
(2,1409)	1:56:A:ILE:HD13	1:37:A:LEU:H	7	0.12
(2,1409)	1:56:A:ILE:HD11	1:37:A:LEU:H	11	0.12
(2,1409)	1:56:A:ILE:HD12	1:37:A:LEU:H	11	0.12
(2,1409)	1:56:A:ILE:HD13	1:37:A:LEU:H	11	0.12
(2,1404)	1:45:A:ILE:HD11	1:33:A:THR:H	3	0.12
(2,1404)	1:45:A:ILE:HD12	1:33:A:THR:H	3	0.12
(2,1404)	1:45:A:ILE:HD13	1:33:A:THR:H	3	0.12
(2,1400)	1:45:A:ILE:HD11	1:45:A:ILE:HA	4	0.12
(2,1400)	1:45:A:ILE:HD12	1:45:A:ILE:HA	4	0.12
(2,1400)	1:45:A:ILE:HD13	1:45:A:ILE:HA	4	0.12
(2,1400)	1:45:A:ILE:HD11	1:45:A:ILE:HA	5	0.12
(2,1400)	1:45:A:ILE:HD12	1:45:A:ILE:HA	5	0.12
(2,1400)	1:45:A:ILE:HD13	1:45:A:ILE:HA	5	0.12
(2,1379)	1:97:A:ARG:HG3	1:97:A:ARG:HB2	13	0.12
(2,1379)	1:97:A:ARG:HG3	1:97:A:ARG:HB2	15	0.12
(2,1367)	1:97:A:ARG:HB2	1:98:A:LEU:H	7	0.12
(2,1320)	1:68:A:LEU:HG	1:68:A:LEU:HB2	7	0.12
(2,1320)	1:68:A:LEU:HG	1:68:A:LEU:HB2	12	0.12
(2,1303)	1:66:A:ASN:HB3	1:66:A:ASN:HD21	3	0.12
(2,1281)	1:65:A:ARG:HB2	1:65:A:ARG:HA	1	0.12
(2,1274)	1:65:A:ARG:HA	1:65:A:ARG:HG2	1	0.12
(2,1270)	1:65:A:ARG:HA	1:68:A:LEU:HB3	15	0.12
(2,1248)	1:64:A:LEU:HD11	1:90:A:LEU:HB3	3	0.12
(2,1248)	1:64:A:LEU:HD12	1:90:A:LEU:HB3	3	0.12
(2,1248)	1:64:A:LEU:HD13	1:90:A:LEU:HB3	3	0.12
(2,1234)	1:64:A:LEU:HA	1:65:A:ARG:HA	2	0.12
(2,1234)	1:64:A:LEU:HA	1:65:A:ARG:HA	6	0.12
(2,1234)	1:64:A:LEU:HA	1:65:A:ARG:HA	9	0.12
(2,1234)	1:64:A:LEU:HA	1:65:A:ARG:HA	14	0.12
(2,1231)	1:63:A:GLU:HG3	1:64:A:LEU:H	10	0.12
(2,1231)	1:63:A:GLU:HG3	1:64:A:LEU:H	12	0.12
(2,1231)	1:63:A:GLU:HG3	1:64:A:LEU:H	15	0.12
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG21	5	0.12
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG22	5	0.12
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG23	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG21	9	0.12
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG22	9	0.12
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG23	9	0.12
(2,1188)	1:62:A:LEU:HB3	1:63:A:GLU:H	5	0.12
(2,1188)	1:62:A:LEU:HB3	1:63:A:GLU:H	12	0.12
(2,1157)	1:56:A:ILE:HD11	1:60:A:THR:HB	16	0.12
(2,1157)	1:56:A:ILE:HD12	1:60:A:THR:HB	16	0.12
(2,1157)	1:56:A:ILE:HD13	1:60:A:THR:HB	16	0.12
(2,1154)	1:60:A:THR:HB	1:63:A:GLU:H	12	0.12
(2,1135)	1:59:A:LEU:HA	1:58:A:SER:HA	10	0.12
(2,1135)	1:59:A:LEU:HA	1:58:A:SER:HA	15	0.12
(2,1117)	1:56:A:ILE:HG21	1:56:A:ILE:HB	4	0.12
(2,1117)	1:56:A:ILE:HG22	1:56:A:ILE:HB	4	0.12
(2,1117)	1:56:A:ILE:HG23	1:56:A:ILE:HB	4	0.12
(2,1117)	1:56:A:ILE:HG21	1:56:A:ILE:HB	5	0.12
(2,1117)	1:56:A:ILE:HG22	1:56:A:ILE:HB	5	0.12
(2,1117)	1:56:A:ILE:HG23	1:56:A:ILE:HB	5	0.12
(2,1117)	1:56:A:ILE:HG21	1:56:A:ILE:HB	6	0.12
(2,1117)	1:56:A:ILE:HG22	1:56:A:ILE:HB	6	0.12
(2,1117)	1:56:A:ILE:HG23	1:56:A:ILE:HB	6	0.12
(2,1117)	1:56:A:ILE:HG21	1:56:A:ILE:HB	10	0.12
(2,1117)	1:56:A:ILE:HG22	1:56:A:ILE:HB	10	0.12
(2,1117)	1:56:A:ILE:HG23	1:56:A:ILE:HB	10	0.12
(2,1117)	1:56:A:ILE:HG21	1:56:A:ILE:HB	12	0.12
(2,1117)	1:56:A:ILE:HG22	1:56:A:ILE:HB	12	0.12
(2,1117)	1:56:A:ILE:HG23	1:56:A:ILE:HB	12	0.12
(2,1117)	1:56:A:ILE:HG21	1:56:A:ILE:HB	14	0.12
(2,1117)	1:56:A:ILE:HG22	1:56:A:ILE:HB	14	0.12
(2,1117)	1:56:A:ILE:HG23	1:56:A:ILE:HB	14	0.12
(2,1117)	1:56:A:ILE:HG21	1:56:A:ILE:HB	16	0.12
(2,1117)	1:56:A:ILE:HG22	1:56:A:ILE:HB	16	0.12
(2,1117)	1:56:A:ILE:HG23	1:56:A:ILE:HB	16	0.12
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD11	5	0.12
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD12	5	0.12
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD13	5	0.12
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD11	5	0.12
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD12	5	0.12
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD13	5	0.12
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD11	5	0.12
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD12	5	0.12
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD13	5	0.12
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD11	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD12	16	0.12
(2,1115)	1:56:A:ILE:HG21	1:64:A:LEU:HD13	16	0.12
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD11	16	0.12
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD12	16	0.12
(2,1115)	1:56:A:ILE:HG22	1:64:A:LEU:HD13	16	0.12
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD11	16	0.12
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD12	16	0.12
(2,1115)	1:56:A:ILE:HG23	1:64:A:LEU:HD13	16	0.12
(2,1096)	1:56:A:ILE:HG12	1:64:A:LEU:HD11	1	0.12
(2,1096)	1:56:A:ILE:HG12	1:64:A:LEU:HD12	1	0.12
(2,1096)	1:56:A:ILE:HG12	1:64:A:LEU:HD13	1	0.12
(2,1044)	1:52:A:LYS:HB2	1:52:A:LYS:HE2	4	0.12
(2,1029)	1:51:A:PHE:HB3	1:52:A:LYS:HG2	12	0.12
(2,1004)	1:57:A:ASP:HB3	1:57:A:ASP:HA	1	0.12
(2,997)	1:49:A:THR:HG21	1:54:A:LEU:HG	12	0.12
(2,997)	1:49:A:THR:HG22	1:54:A:LEU:HG	12	0.12
(2,997)	1:49:A:THR:HG23	1:54:A:LEU:HG	12	0.12
(2,997)	1:49:A:THR:HG21	1:54:A:LEU:HG	14	0.12
(2,997)	1:49:A:THR:HG22	1:54:A:LEU:HG	14	0.12
(2,997)	1:49:A:THR:HG23	1:54:A:LEU:HG	14	0.12
(2,959)	1:47:A:PRO:HD3	1:46:A:SER:HB3	13	0.12
(2,930)	1:45:A:ILE:HB	1:45:A:ILE:HG13	2	0.12
(2,930)	1:45:A:ILE:HB	1:45:A:ILE:HG13	6	0.12
(2,927)	1:56:A:ILE:HD11	1:56:A:ILE:HA	4	0.12
(2,927)	1:56:A:ILE:HD12	1:56:A:ILE:HA	4	0.12
(2,927)	1:56:A:ILE:HD13	1:56:A:ILE:HA	4	0.12
(2,927)	1:56:A:ILE:HD11	1:56:A:ILE:HA	9	0.12
(2,927)	1:56:A:ILE:HD12	1:56:A:ILE:HA	9	0.12
(2,927)	1:56:A:ILE:HD13	1:56:A:ILE:HA	9	0.12
(2,889)	1:42:A:PRO:HD2	1:41:A:THR:HA	11	0.12
(2,889)	1:42:A:PRO:HD2	1:41:A:THR:HA	16	0.12
(2,874)	1:42:A:PRO:HB3	1:42:A:PRO:HA	10	0.12
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG21	2	0.12
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG22	2	0.12
(2,848)	1:37:A:LEU:HD11	1:33:A:THR:HG23	2	0.12
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG21	2	0.12
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG22	2	0.12
(2,848)	1:37:A:LEU:HD12	1:33:A:THR:HG23	2	0.12
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG21	2	0.12
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG22	2	0.12
(2,848)	1:37:A:LEU:HD13	1:33:A:THR:HG23	2	0.12
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG21	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG22	12	0.12
(2,813)	1:36:A:VAL:HA	1:35:A:THR:HG23	12	0.12
(2,794)	1:36:A:VAL:HG11	1:36:A:VAL:H	2	0.12
(2,794)	1:36:A:VAL:HG12	1:36:A:VAL:H	2	0.12
(2,794)	1:36:A:VAL:HG13	1:36:A:VAL:H	2	0.12
(2,794)	1:36:A:VAL:HG11	1:36:A:VAL:H	5	0.12
(2,794)	1:36:A:VAL:HG12	1:36:A:VAL:H	5	0.12
(2,794)	1:36:A:VAL:HG13	1:36:A:VAL:H	5	0.12
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB1	6	0.12
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB2	6	0.12
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB3	6	0.12
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB1	12	0.12
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB2	12	0.12
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB3	12	0.12
(2,784)	1:35:A:THR:HB	1:37:A:LEU:H	3	0.12
(2,784)	1:35:A:THR:HB	1:37:A:LEU:H	9	0.12
(2,765)	1:61:A:ALA:HA	1:56:A:ILE:HB	1	0.12
(2,765)	1:61:A:ALA:HA	1:56:A:ILE:HB	7	0.12
(2,763)	1:61:A:ALA:HA	1:64:A:LEU:HA	12	0.12
(2,753)	1:75:A:ASP:HB2	1:75:A:ASP:HA	9	0.12
(2,735)	1:50:A:ALA:HB1	1:85:A:PRO:HB2	8	0.12
(2,735)	1:50:A:ALA:HB2	1:85:A:PRO:HB2	8	0.12
(2,735)	1:50:A:ALA:HB3	1:85:A:PRO:HB2	8	0.12
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG11	3	0.12
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG12	3	0.12
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG13	3	0.12
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG11	3	0.12
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG12	3	0.12
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG13	3	0.12
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG11	3	0.12
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG12	3	0.12
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG13	3	0.12
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG11	4	0.12
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG12	4	0.12
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG13	4	0.12
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG11	4	0.12
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG12	4	0.12
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG13	4	0.12
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG11	4	0.12
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG12	4	0.12
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG13	4	0.12
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG11	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG12	8	0.12
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG13	8	0.12
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG11	8	0.12
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG12	8	0.12
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG13	8	0.12
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG11	8	0.12
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG12	8	0.12
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG13	8	0.12
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB1	5	0.12
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB2	5	0.12
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB3	5	0.12
(2,651)	1:28:A:LEU:HD21	1:29:A:VAL:H	15	0.12
(2,651)	1:28:A:LEU:HD22	1:29:A:VAL:H	15	0.12
(2,651)	1:28:A:LEU:HD23	1:29:A:VAL:H	15	0.12
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG21	15	0.12
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG22	15	0.12
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG23	15	0.12
(2,565)	1:28:A:LEU:HD11	1:71:A:ASN:HB2	5	0.12
(2,565)	1:28:A:LEU:HD12	1:71:A:ASN:HB2	5	0.12
(2,565)	1:28:A:LEU:HD13	1:71:A:ASN:HB2	5	0.12
(2,496)	1:23:A:GLN:HA	1:23:A:GLN:HG2	2	0.12
(2,494)	1:22:A:GLN:HG2	1:23:A:GLN:H	15	0.12
(2,486)	1:22:A:GLN:HG3	1:22:A:GLN:HB2	6	0.12
(2,481)	1:22:A:GLN:HB3	1:19:A:GLN:HA	4	0.12
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD11	8	0.12
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD12	8	0.12
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD13	8	0.12
(2,464)	1:20:A:GLN:HG3	1:20:A:GLN:HA	5	0.12
(2,404)	1:23:A:GLN:HG2	1:24:A:THR:H	5	0.12
(2,404)	1:23:A:GLN:HG2	1:24:A:THR:H	10	0.12
(2,404)	1:23:A:GLN:HG2	1:24:A:THR:H	15	0.12
(2,389)	1:19:A:GLN:HA	1:19:A:GLN:H	15	0.12
(2,362)	1:17:A:SER:HA	1:17:A:SER:H	3	0.12
(2,362)	1:17:A:SER:HA	1:17:A:SER:H	4	0.12
(2,362)	1:17:A:SER:HA	1:17:A:SER:H	5	0.12
(2,362)	1:17:A:SER:HA	1:17:A:SER:H	10	0.12
(2,362)	1:17:A:SER:HA	1:17:A:SER:H	12	0.12
(2,361)	1:16:A:LEU:HD21	1:17:A:SER:H	12	0.12
(2,361)	1:16:A:LEU:HD22	1:17:A:SER:H	12	0.12
(2,361)	1:16:A:LEU:HD23	1:17:A:SER:H	12	0.12
(2,351)	1:16:A:LEU:HA	1:16:A:LEU:HD21	11	0.12
(2,351)	1:16:A:LEU:HA	1:16:A:LEU:HD22	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,351)	1:16:A:LEU:HA	1:16:A:LEU:HD23	11	0.12
(2,314)	1:85:A:PRO:HD2	1:84:A:HIS:H	5	0.12
(2,314)	1:85:A:PRO:HD2	1:84:A:HIS:H	15	0.12
(2,296)	1:68:A:LEU:HB2	1:68:A:LEU:H	9	0.12
(2,269)	1:12:A:ARG:HG2	1:13:A:LEU:H	7	0.12
(2,267)	1:12:A:ARG:HG3	1:13:A:LEU:H	5	0.12
(2,250)	1:12:A:ARG:HG2	1:12:A:ARG:HB3	3	0.12
(2,224)	1:50:A:ALA:HB1	1:50:A:ALA:H	4	0.12
(2,224)	1:50:A:ALA:HB2	1:50:A:ALA:H	4	0.12
(2,224)	1:50:A:ALA:HB3	1:50:A:ALA:H	4	0.12
(2,224)	1:50:A:ALA:HB1	1:50:A:ALA:H	6	0.12
(2,224)	1:50:A:ALA:HB2	1:50:A:ALA:H	6	0.12
(2,224)	1:50:A:ALA:HB3	1:50:A:ALA:H	6	0.12
(2,224)	1:50:A:ALA:HB1	1:50:A:ALA:H	12	0.12
(2,224)	1:50:A:ALA:HB2	1:50:A:ALA:H	12	0.12
(2,224)	1:50:A:ALA:HB3	1:50:A:ALA:H	12	0.12
(2,224)	1:50:A:ALA:HB1	1:50:A:ALA:H	13	0.12
(2,224)	1:50:A:ALA:HB2	1:50:A:ALA:H	13	0.12
(2,224)	1:50:A:ALA:HB3	1:50:A:ALA:H	13	0.12
(2,224)	1:50:A:ALA:HB1	1:50:A:ALA:H	14	0.12
(2,224)	1:50:A:ALA:HB2	1:50:A:ALA:H	14	0.12
(2,224)	1:50:A:ALA:HB3	1:50:A:ALA:H	14	0.12
(2,224)	1:50:A:ALA:HB1	1:50:A:ALA:H	15	0.12
(2,224)	1:50:A:ALA:HB2	1:50:A:ALA:H	15	0.12
(2,224)	1:50:A:ALA:HB3	1:50:A:ALA:H	15	0.12
(2,219)	1:10:A:ALA:HA	1:9:A:LEU:HD21	5	0.12
(2,219)	1:10:A:ALA:HA	1:9:A:LEU:HD22	5	0.12
(2,219)	1:10:A:ALA:HA	1:9:A:LEU:HD23	5	0.12
(2,194)	1:12:A:ARG:HA	1:12:A:ARG:HG2	13	0.12
(2,194)	1:12:A:ARG:HA	1:12:A:ARG:HG2	16	0.12
(2,133)	1:35:A:THR:HG21	1:36:A:VAL:H	14	0.12
(2,133)	1:35:A:THR:HG22	1:36:A:VAL:H	14	0.12
(2,133)	1:35:A:THR:HG23	1:36:A:VAL:H	14	0.12
(2,127)	1:7:A:THR:HG21	1:7:A:THR:HA	1	0.12
(2,127)	1:7:A:THR:HG22	1:7:A:THR:HA	1	0.12
(2,127)	1:7:A:THR:HG23	1:7:A:THR:HA	1	0.12
(2,127)	1:7:A:THR:HG21	1:7:A:THR:HA	2	0.12
(2,127)	1:7:A:THR:HG22	1:7:A:THR:HA	2	0.12
(2,127)	1:7:A:THR:HG23	1:7:A:THR:HA	2	0.12
(2,127)	1:7:A:THR:HG21	1:7:A:THR:HA	4	0.12
(2,127)	1:7:A:THR:HG22	1:7:A:THR:HA	4	0.12
(2,127)	1:7:A:THR:HG23	1:7:A:THR:HA	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,127)	1:7:A:THR:HG21	1:7:A:THR:HA	6	0.12
(2,127)	1:7:A:THR:HG22	1:7:A:THR:HA	6	0.12
(2,127)	1:7:A:THR:HG23	1:7:A:THR:HA	6	0.12
(2,127)	1:7:A:THR:HG21	1:7:A:THR:HA	7	0.12
(2,127)	1:7:A:THR:HG22	1:7:A:THR:HA	7	0.12
(2,127)	1:7:A:THR:HG23	1:7:A:THR:HA	7	0.12
(2,127)	1:7:A:THR:HG21	1:7:A:THR:HA	10	0.12
(2,127)	1:7:A:THR:HG22	1:7:A:THR:HA	10	0.12
(2,127)	1:7:A:THR:HG23	1:7:A:THR:HA	10	0.12
(2,127)	1:7:A:THR:HG21	1:7:A:THR:HA	11	0.12
(2,127)	1:7:A:THR:HG22	1:7:A:THR:HA	11	0.12
(2,127)	1:7:A:THR:HG23	1:7:A:THR:HA	11	0.12
(2,127)	1:7:A:THR:HG21	1:7:A:THR:HA	13	0.12
(2,127)	1:7:A:THR:HG22	1:7:A:THR:HA	13	0.12
(2,127)	1:7:A:THR:HG23	1:7:A:THR:HA	13	0.12
(2,127)	1:7:A:THR:HG21	1:7:A:THR:HA	14	0.12
(2,127)	1:7:A:THR:HG22	1:7:A:THR:HA	14	0.12
(2,127)	1:7:A:THR:HG23	1:7:A:THR:HA	14	0.12
(2,76)	1:81:A:ILE:HD11	1:51:A:PHE:HE1	15	0.12
(2,76)	1:81:A:ILE:HD11	1:51:A:PHE:HE2	15	0.12
(2,76)	1:81:A:ILE:HD12	1:51:A:PHE:HE1	15	0.12
(2,76)	1:81:A:ILE:HD12	1:51:A:PHE:HE2	15	0.12
(2,76)	1:81:A:ILE:HD13	1:51:A:PHE:HE1	15	0.12
(2,76)	1:81:A:ILE:HD13	1:51:A:PHE:HE2	15	0.12
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD11	14	0.12
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD12	14	0.12
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD13	14	0.12
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD11	14	0.12
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD12	14	0.12
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD13	14	0.12
(2,52)	1:51:A:PHE:HD1	1:85:A:PRO:HA	14	0.12
(2,52)	1:51:A:PHE:HD2	1:85:A:PRO:HA	14	0.12
(2,51)	1:51:A:PHE:HD1	1:51:A:PHE:HB3	3	0.12
(2,51)	1:51:A:PHE:HD2	1:51:A:PHE:HB3	3	0.12
(2,51)	1:51:A:PHE:HD1	1:51:A:PHE:HB3	4	0.12
(2,51)	1:51:A:PHE:HD2	1:51:A:PHE:HB3	4	0.12
(2,51)	1:51:A:PHE:HD1	1:51:A:PHE:HB3	11	0.12
(2,51)	1:51:A:PHE:HD2	1:51:A:PHE:HB3	11	0.12
(2,51)	1:51:A:PHE:HD1	1:51:A:PHE:HB3	13	0.12
(2,51)	1:51:A:PHE:HD2	1:51:A:PHE:HB3	13	0.12
(2,34)	1:90:A:LEU:HB3	1:51:A:PHE:HZ	5	0.12
(1,601)	1:33:A:THR:H	1:34:A:ALA:H	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,600)	1:33:A:THR:H	1:30:A:ALA:HA	13	0.12
(1,588)	1:96:A:THR:H	1:96:A:THR:HB	3	0.12
(1,588)	1:96:A:THR:H	1:96:A:THR:HB	9	0.12
(1,588)	1:96:A:THR:H	1:96:A:THR:HB	15	0.12
(1,571)	1:24:A:THR:H	1:23:A:GLN:HG2	5	0.12
(1,571)	1:24:A:THR:H	1:23:A:GLN:HG2	10	0.12
(1,571)	1:24:A:THR:H	1:23:A:GLN:HG2	15	0.12
(1,529)	1:65:A:ARG:H	1:64:A:LEU:HB3	2	0.12
(1,529)	1:65:A:ARG:H	1:64:A:LEU:HB3	4	0.12
(1,529)	1:65:A:ARG:H	1:64:A:LEU:HB3	9	0.12
(1,529)	1:65:A:ARG:H	1:64:A:LEU:HB3	13	0.12
(1,510)	1:49:A:THR:H	1:49:A:THR:HG21	14	0.12
(1,510)	1:49:A:THR:H	1:49:A:THR:HG22	14	0.12
(1,510)	1:49:A:THR:H	1:49:A:THR:HG23	14	0.12
(1,503)	1:100:A:GLN:H	1:99:A:THR:HA	1	0.12
(1,503)	1:100:A:GLN:H	1:99:A:THR:HA	13	0.12
(1,503)	1:100:A:GLN:H	1:99:A:THR:HA	14	0.12
(1,503)	1:100:A:GLN:H	1:99:A:THR:HA	16	0.12
(1,472)	1:8:A:ASP:H	1:8:A:ASP:HB2	5	0.12
(1,406)	1:48:A:ALA:H	1:47:A:PRO:HA	4	0.12
(1,406)	1:48:A:ALA:H	1:47:A:PRO:HA	12	0.12
(1,406)	1:48:A:ALA:H	1:47:A:PRO:HA	15	0.12
(1,347)	1:17:A:SER:H	1:17:A:SER:HB2	6	0.12
(1,292)	1:37:A:LEU:H	1:36:A:VAL:HG11	4	0.12
(1,292)	1:37:A:LEU:H	1:36:A:VAL:HG12	4	0.12
(1,292)	1:37:A:LEU:H	1:36:A:VAL:HG13	4	0.12
(1,292)	1:37:A:LEU:H	1:36:A:VAL:HG11	5	0.12
(1,292)	1:37:A:LEU:H	1:36:A:VAL:HG12	5	0.12
(1,292)	1:37:A:LEU:H	1:36:A:VAL:HG13	5	0.12
(1,273)	1:81:A:ILE:H	1:78:A:PRO:HA	7	0.12
(1,242)	1:45:A:ILE:H	1:42:A:PRO:HA	11	0.12
(1,239)	1:45:A:ILE:H	1:45:A:ILE:HG13	7	0.12
(1,224)	1:35:A:THR:H	1:35:A:THR:HB	3	0.12
(1,224)	1:35:A:THR:H	1:35:A:THR:HB	4	0.12
(1,224)	1:35:A:THR:H	1:35:A:THR:HB	7	0.12
(1,224)	1:35:A:THR:H	1:35:A:THR:HB	15	0.12
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD11	11	0.12
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD12	11	0.12
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD13	11	0.12
(1,159)	1:5:A:ALA:H	1:5:A:ALA:HA	4	0.12
(1,159)	1:5:A:ALA:H	1:5:A:ALA:HA	6	0.12
(1,159)	1:5:A:ALA:H	1:5:A:ALA:HA	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,159)	1:5:A:ALA:H	1:5:A:ALA:HA	15	0.12
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG21	3	0.12
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG22	3	0.12
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG23	3	0.12
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG21	5	0.12
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG22	5	0.12
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG23	5	0.12
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG21	7	0.12
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG22	7	0.12
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG23	7	0.12
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG21	14	0.12
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG22	14	0.12
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG23	14	0.12
(1,130)	1:69:A:THR:H	1:69:A:THR:HB	13	0.12
(1,125)	1:21:A:GLN:H	1:21:A:GLN:HB2	14	0.12
(1,110)	1:52:A:LYS:H	1:52:A:LYS:HG3	12	0.12
(1,110)	1:52:A:LYS:H	1:52:A:LYS:HG3	14	0.12
(1,103)	1:71:A:ASN:H	1:71:A:ASN:HB2	8	0.12
(1,103)	1:71:A:ASN:H	1:71:A:ASN:HB2	9	0.12
(1,103)	1:71:A:ASN:H	1:71:A:ASN:HB2	15	0.12
(1,93)	1:71:A:ASN:HD21	1:68:A:LEU:HA	10	0.12
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD11	16	0.12
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD12	16	0.12
(1,86)	1:71:A:ASN:HD21	1:28:A:LEU:HD13	16	0.12
(1,52)	1:15:A:GLY:H	1:15:A:GLY:HA2	8	0.12
(1,52)	1:15:A:GLY:H	1:15:A:GLY:HA2	9	0.12
(1,52)	1:15:A:GLY:H	1:15:A:GLY:HA2	10	0.12
(1,52)	1:15:A:GLY:H	1:15:A:GLY:HA2	13	0.12
(1,29)	1:62:A:LEU:H	1:61:A:ALA:H	8	0.12
(1,24)	1:13:A:LEU:H	1:14:A:ASN:H	6	0.12
(1,24)	1:13:A:LEU:H	1:14:A:ASN:H	7	0.12
(1,22)	1:43:A:GLU:H	1:44:A:SER:H	16	0.12
(1,20)	1:35:A:THR:H	1:34:A:ALA:H	11	0.12
(1,19)	1:35:A:THR:H	1:36:A:VAL:H	10	0.12
(1,5)	1:88:A:HIS:H	1:89:A:ALA:H	7	0.12
(1,5)	1:88:A:HIS:H	1:89:A:ALA:H	16	0.12
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB1	13	0.11
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB2	13	0.11
(2,1916)	1:46:A:SER:HA	1:48:A:ALA:HB3	13	0.11
(2,1907)	1:55:A:GLY:HA2	1:56:A:ILE:HB	3	0.11
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB1	8	0.11
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB2	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB3	8	0.11
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB1	8	0.11
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB2	8	0.11
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB3	8	0.11
(2,1850)	1:70:A:HIS:HD2	1:70:A:HIS:HB3	8	0.11
(2,1850)	1:70:A:HIS:HD2	1:70:A:HIS:HB3	13	0.11
(2,1849)	1:84:A:HIS:HD2	1:84:A:HIS:H	9	0.11
(2,1849)	1:84:A:HIS:HD2	1:84:A:HIS:H	10	0.11
(2,1835)	1:13:A:LEU:HD21	1:95:A:HIS:HD2	11	0.11
(2,1835)	1:13:A:LEU:HD22	1:95:A:HIS:HD2	11	0.11
(2,1835)	1:13:A:LEU:HD23	1:95:A:HIS:HD2	11	0.11
(2,1835)	1:13:A:LEU:HD21	1:95:A:HIS:HD2	13	0.11
(2,1835)	1:13:A:LEU:HD22	1:95:A:HIS:HD2	13	0.11
(2,1835)	1:13:A:LEU:HD23	1:95:A:HIS:HD2	13	0.11
(2,1813)	1:81:A:ILE:HG12	1:81:A:ILE:HD11	9	0.11
(2,1813)	1:81:A:ILE:HG12	1:81:A:ILE:HD12	9	0.11
(2,1813)	1:81:A:ILE:HG12	1:81:A:ILE:HD13	9	0.11
(2,1803)	1:100:A:GLN:HB2	1:100:A:GLN:H	12	0.11
(2,1789)	1:99:A:THR:HA	1:98:A:LEU:H	13	0.11
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD11	1	0.11
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD12	1	0.11
(2,1781)	1:98:A:LEU:HA	1:98:A:LEU:HD13	1	0.11
(2,1774)	1:97:A:ARG:HD2	1:97:A:ARG:H	10	0.11
(2,1769)	1:97:A:ARG:HA	1:97:A:ARG:HG3	9	0.11
(2,1753)	1:95:A:HIS:HB2	1:95:A:HIS:HA	7	0.11
(2,1753)	1:95:A:HIS:HB2	1:95:A:HIS:HA	10	0.11
(2,1753)	1:95:A:HIS:HB2	1:95:A:HIS:HA	11	0.11
(2,1753)	1:95:A:HIS:HB2	1:95:A:HIS:HA	13	0.11
(2,1753)	1:95:A:HIS:HB2	1:95:A:HIS:HA	16	0.11
(2,1736)	1:94:A:LEU:HA	1:93:A:HIS:HD2	6	0.11
(2,1710)	1:92:A:GLN:HB2	1:89:A:ALA:HA	8	0.11
(2,1710)	1:92:A:GLN:HB2	1:89:A:ALA:HA	10	0.11
(2,1701)	1:29:A:VAL:HG21	1:28:A:LEU:HD21	13	0.11
(2,1701)	1:29:A:VAL:HG21	1:28:A:LEU:HD22	13	0.11
(2,1701)	1:29:A:VAL:HG21	1:28:A:LEU:HD23	13	0.11
(2,1701)	1:29:A:VAL:HG22	1:28:A:LEU:HD21	13	0.11
(2,1701)	1:29:A:VAL:HG22	1:28:A:LEU:HD22	13	0.11
(2,1701)	1:29:A:VAL:HG22	1:28:A:LEU:HD23	13	0.11
(2,1701)	1:29:A:VAL:HG23	1:28:A:LEU:HD21	13	0.11
(2,1701)	1:29:A:VAL:HG23	1:28:A:LEU:HD22	13	0.11
(2,1701)	1:29:A:VAL:HG23	1:28:A:LEU:HD23	13	0.11
(2,1701)	1:29:A:VAL:HG21	1:28:A:LEU:HD21	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1701)	1:29:A:VAL:HG21	1:28:A:LEU:HD22	16	0.11
(2,1701)	1:29:A:VAL:HG21	1:28:A:LEU:HD23	16	0.11
(2,1701)	1:29:A:VAL:HG22	1:28:A:LEU:HD21	16	0.11
(2,1701)	1:29:A:VAL:HG22	1:28:A:LEU:HD22	16	0.11
(2,1701)	1:29:A:VAL:HG22	1:28:A:LEU:HD23	16	0.11
(2,1701)	1:29:A:VAL:HG23	1:28:A:LEU:HD21	16	0.11
(2,1701)	1:29:A:VAL:HG23	1:28:A:LEU:HD22	16	0.11
(2,1701)	1:29:A:VAL:HG23	1:28:A:LEU:HD23	16	0.11
(2,1695)	1:91:A:THR:HA	1:90:A:LEU:HG	5	0.11
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE1	3	0.11
(2,1682)	1:90:A:LEU:HD21	1:51:A:PHE:HE2	3	0.11
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE1	3	0.11
(2,1682)	1:90:A:LEU:HD22	1:51:A:PHE:HE2	3	0.11
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE1	3	0.11
(2,1682)	1:90:A:LEU:HD23	1:51:A:PHE:HE2	3	0.11
(2,1679)	1:90:A:LEU:HD21	1:90:A:LEU:HB3	2	0.11
(2,1679)	1:90:A:LEU:HD22	1:90:A:LEU:HB3	2	0.11
(2,1679)	1:90:A:LEU:HD23	1:90:A:LEU:HB3	2	0.11
(2,1679)	1:90:A:LEU:HD21	1:90:A:LEU:HB3	6	0.11
(2,1679)	1:90:A:LEU:HD22	1:90:A:LEU:HB3	6	0.11
(2,1679)	1:90:A:LEU:HD23	1:90:A:LEU:HB3	6	0.11
(2,1679)	1:90:A:LEU:HD21	1:90:A:LEU:HB3	14	0.11
(2,1679)	1:90:A:LEU:HD22	1:90:A:LEU:HB3	14	0.11
(2,1679)	1:90:A:LEU:HD23	1:90:A:LEU:HB3	14	0.11
(2,1668)	1:90:A:LEU:HA	1:94:A:LEU:HD11	15	0.11
(2,1668)	1:90:A:LEU:HA	1:94:A:LEU:HD12	15	0.11
(2,1668)	1:90:A:LEU:HA	1:94:A:LEU:HD13	15	0.11
(2,1602)	1:86:A:THR:HB	1:88:A:HIS:H	10	0.11
(2,1569)	1:83:A:ASP:HB3	1:84:A:HIS:H	7	0.11
(2,1569)	1:83:A:ASP:HB3	1:84:A:HIS:H	15	0.11
(2,1566)	1:83:A:ASP:HB2	1:83:A:ASP:H	7	0.11
(2,1566)	1:83:A:ASP:HB2	1:83:A:ASP:H	9	0.11
(2,1560)	1:82:A:PHE:HB2	1:83:A:ASP:H	15	0.11
(2,1557)	1:82:A:PHE:HA	1:82:A:PHE:HB3	1	0.11
(2,1557)	1:82:A:PHE:HA	1:82:A:PHE:HB3	4	0.11
(2,1557)	1:82:A:PHE:HA	1:82:A:PHE:HB3	6	0.11
(2,1557)	1:82:A:PHE:HA	1:82:A:PHE:HB3	7	0.11
(2,1557)	1:82:A:PHE:HA	1:82:A:PHE:HB3	8	0.11
(2,1557)	1:82:A:PHE:HA	1:82:A:PHE:HB3	9	0.11
(2,1557)	1:82:A:PHE:HA	1:82:A:PHE:HB3	10	0.11
(2,1557)	1:82:A:PHE:HA	1:82:A:PHE:HB3	12	0.11
(2,1557)	1:82:A:PHE:HA	1:82:A:PHE:HB3	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1557)	1:82:A:PHE:HA	1:82:A:PHE:HB3	15	0.11
(2,1557)	1:82:A:PHE:HA	1:82:A:PHE:HB3	16	0.11
(2,1500)	1:72:A:THR:HG21	1:74:A:LEU:H	7	0.11
(2,1500)	1:72:A:THR:HG22	1:74:A:LEU:H	7	0.11
(2,1500)	1:72:A:THR:HG23	1:74:A:LEU:H	7	0.11
(2,1499)	1:79:A:THR:HA	1:78:A:PRO:HB3	14	0.11
(2,1490)	1:79:A:THR:HA	1:79:A:THR:HB	6	0.11
(2,1489)	1:78:A:PRO:HB3	1:79:A:THR:HG21	15	0.11
(2,1489)	1:78:A:PRO:HB3	1:79:A:THR:HG22	15	0.11
(2,1489)	1:78:A:PRO:HB3	1:79:A:THR:HG23	15	0.11
(2,1473)	1:75:A:ASP:HB3	1:75:A:ASP:H	3	0.11
(2,1448)	1:95:A:HIS:HB3	1:95:A:HIS:H	13	0.11
(2,1444)	1:88:A:HIS:HB3	1:88:A:HIS:H	10	0.11
(2,1433)	1:71:A:ASN:HA	1:70:A:HIS:HD2	15	0.11
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG21	9	0.11
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG22	9	0.11
(2,1417)	1:56:A:ILE:HD11	1:33:A:THR:HG23	9	0.11
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG21	9	0.11
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG22	9	0.11
(2,1417)	1:56:A:ILE:HD12	1:33:A:THR:HG23	9	0.11
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG21	9	0.11
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG22	9	0.11
(2,1417)	1:56:A:ILE:HD13	1:33:A:THR:HG23	9	0.11
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD11	7	0.11
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD12	7	0.11
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD13	7	0.11
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD11	9	0.11
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD12	9	0.11
(2,1384)	1:81:A:ILE:HG13	1:64:A:LEU:HD13	9	0.11
(2,1380)	1:97:A:ARG:HB3	1:97:A:ARG:HG3	11	0.11
(2,1351)	1:70:A:HIS:HB2	1:70:A:HIS:H	11	0.11
(2,1350)	1:70:A:HIS:HB3	1:71:A:ASN:H	9	0.11
(2,1350)	1:70:A:HIS:HB3	1:71:A:ASN:H	12	0.11
(2,1303)	1:66:A:ASN:HB3	1:66:A:ASN:HD21	1	0.11
(2,1303)	1:66:A:ASN:HB3	1:66:A:ASN:HD21	2	0.11
(2,1295)	1:66:A:ASN:HB3	1:66:A:ASN:HA	3	0.11
(2,1281)	1:65:A:ARG:HB2	1:65:A:ARG:HA	7	0.11
(2,1281)	1:65:A:ARG:HB2	1:65:A:ARG:HA	15	0.11
(2,1278)	1:65:A:ARG:HA	1:65:A:ARG:H	2	0.11
(2,1278)	1:65:A:ARG:HA	1:65:A:ARG:H	14	0.11
(2,1276)	1:65:A:ARG:HA	1:62:A:LEU:HA	3	0.11
(2,1248)	1:64:A:LEU:HD11	1:90:A:LEU:HB3	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1248)	1:64:A:LEU:HD12	1:90:A:LEU:HB3	4	0.11
(2,1248)	1:64:A:LEU:HD13	1:90:A:LEU:HB3	4	0.11
(2,1248)	1:64:A:LEU:HD11	1:90:A:LEU:HB3	15	0.11
(2,1248)	1:64:A:LEU:HD12	1:90:A:LEU:HB3	15	0.11
(2,1248)	1:64:A:LEU:HD13	1:90:A:LEU:HB3	15	0.11
(2,1241)	1:64:A:LEU:HG	1:64:A:LEU:HB2	8	0.11
(2,1234)	1:64:A:LEU:HA	1:65:A:ARG:HA	1	0.11
(2,1234)	1:64:A:LEU:HA	1:65:A:ARG:HA	4	0.11
(2,1234)	1:64:A:LEU:HA	1:65:A:ARG:HA	5	0.11
(2,1231)	1:63:A:GLU:HG3	1:64:A:LEU:H	1	0.11
(2,1231)	1:63:A:GLU:HG3	1:64:A:LEU:H	2	0.11
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG21	16	0.11
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG22	16	0.11
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG23	16	0.11
(2,1203)	1:62:A:LEU:HG	1:63:A:GLU:H	10	0.11
(2,1188)	1:62:A:LEU:HB3	1:63:A:GLU:H	15	0.11
(2,1135)	1:59:A:LEU:HA	1:58:A:SER:HA	6	0.11
(2,1105)	1:81:A:ILE:HG21	1:81:A:ILE:HA	9	0.11
(2,1105)	1:81:A:ILE:HG22	1:81:A:ILE:HA	9	0.11
(2,1105)	1:81:A:ILE:HG23	1:81:A:ILE:HA	9	0.11
(2,1096)	1:56:A:ILE:HG12	1:64:A:LEU:HD11	4	0.11
(2,1096)	1:56:A:ILE:HG12	1:64:A:LEU:HD12	4	0.11
(2,1096)	1:56:A:ILE:HG12	1:64:A:LEU:HD13	4	0.11
(2,1051)	1:52:A:LYS:HG2	1:52:A:LYS:HB2	16	0.11
(2,1029)	1:51:A:PHE:HB3	1:52:A:LYS:HG2	3	0.11
(2,1006)	1:57:A:ASP:HA	1:57:A:ASP:H	9	0.11
(2,1005)	1:57:A:ASP:HA	1:57:A:ASP:HB2	4	0.11
(2,1005)	1:57:A:ASP:HA	1:57:A:ASP:HB2	15	0.11
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD21	7	0.11
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD22	7	0.11
(2,1002)	1:72:A:THR:HA	1:9:A:LEU:HD23	7	0.11
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD11	1	0.11
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD12	1	0.11
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD13	1	0.11
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD11	1	0.11
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD12	1	0.11
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD13	1	0.11
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD11	1	0.11
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD12	1	0.11
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD13	1	0.11
(2,997)	1:49:A:THR:HG21	1:54:A:LEU:HG	3	0.11
(2,997)	1:49:A:THR:HG22	1:54:A:LEU:HG	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,997)	1:49:A:THR:HG23	1:54:A:LEU:HG	3	0.11
(2,980)	1:49:A:THR:HB	1:54:A:LEU:HG	4	0.11
(2,980)	1:49:A:THR:HB	1:54:A:LEU:HG	8	0.11
(2,977)	1:49:A:THR:HB	1:49:A:THR:H	9	0.11
(2,960)	1:47:A:PRO:HD2	1:46:A:SER:HB3	3	0.11
(2,913)	1:43:A:GLU:HG2	1:42:A:PRO:HA	13	0.11
(2,889)	1:42:A:PRO:HD2	1:41:A:THR:HA	12	0.11
(2,872)	1:42:A:PRO:HA	1:30:A:ALA:HB1	9	0.11
(2,872)	1:42:A:PRO:HA	1:30:A:ALA:HB2	9	0.11
(2,872)	1:42:A:PRO:HA	1:30:A:ALA:HB3	9	0.11
(2,872)	1:42:A:PRO:HA	1:30:A:ALA:HB1	14	0.11
(2,872)	1:42:A:PRO:HA	1:30:A:ALA:HB2	14	0.11
(2,872)	1:42:A:PRO:HA	1:30:A:ALA:HB3	14	0.11
(2,857)	1:37:A:LEU:HD21	1:54:A:LEU:H	3	0.11
(2,857)	1:37:A:LEU:HD22	1:54:A:LEU:H	3	0.11
(2,857)	1:37:A:LEU:HD23	1:54:A:LEU:H	3	0.11
(2,827)	1:36:A:VAL:HG11	1:64:A:LEU:H	12	0.11
(2,827)	1:36:A:VAL:HG12	1:64:A:LEU:H	12	0.11
(2,827)	1:36:A:VAL:HG13	1:64:A:LEU:H	12	0.11
(2,794)	1:36:A:VAL:HG11	1:36:A:VAL:H	13	0.11
(2,794)	1:36:A:VAL:HG12	1:36:A:VAL:H	13	0.11
(2,794)	1:36:A:VAL:HG13	1:36:A:VAL:H	13	0.11
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB1	4	0.11
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB2	4	0.11
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB3	4	0.11
(2,765)	1:61:A:ALA:HA	1:56:A:ILE:HB	15	0.11
(2,736)	1:26:A:ALA:HA	1:91:A:THR:HG21	5	0.11
(2,736)	1:26:A:ALA:HA	1:91:A:THR:HG22	5	0.11
(2,736)	1:26:A:ALA:HA	1:91:A:THR:HG23	5	0.11
(2,731)	1:31:A:ALA:HA	1:42:A:PRO:HG2	16	0.11
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG11	9	0.11
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG12	9	0.11
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG13	9	0.11
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG11	9	0.11
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG12	9	0.11
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG13	9	0.11
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG11	9	0.11
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG12	9	0.11
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG13	9	0.11
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG11	15	0.11
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG12	15	0.11
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG13	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG11	15	0.11
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG12	15	0.11
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG13	15	0.11
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG11	15	0.11
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG12	15	0.11
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG13	15	0.11
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG11	16	0.11
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG12	16	0.11
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG13	16	0.11
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG11	16	0.11
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG12	16	0.11
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG13	16	0.11
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG11	16	0.11
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG12	16	0.11
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG13	16	0.11
(2,702)	1:83:A:ASP:HB2	1:83:A:ASP:HA	3	0.11
(2,702)	1:83:A:ASP:HB2	1:83:A:ASP:HA	15	0.11
(2,651)	1:28:A:LEU:HD21	1:29:A:VAL:H	3	0.11
(2,651)	1:28:A:LEU:HD22	1:29:A:VAL:H	3	0.11
(2,651)	1:28:A:LEU:HD23	1:29:A:VAL:H	3	0.11
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG21	13	0.11
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG22	13	0.11
(2,575)	1:32:A:ALA:HA	1:35:A:THR:HG23	13	0.11
(2,565)	1:28:A:LEU:HD11	1:71:A:ASN:HB2	7	0.11
(2,565)	1:28:A:LEU:HD12	1:71:A:ASN:HB2	7	0.11
(2,565)	1:28:A:LEU:HD13	1:71:A:ASN:HB2	7	0.11
(2,565)	1:28:A:LEU:HD11	1:71:A:ASN:HB2	14	0.11
(2,565)	1:28:A:LEU:HD12	1:71:A:ASN:HB2	14	0.11
(2,565)	1:28:A:LEU:HD13	1:71:A:ASN:HB2	14	0.11
(2,548)	1:25:A:LEU:HA	1:24:A:THR:HB	14	0.11
(2,496)	1:23:A:GLN:HA	1:23:A:GLN:HG2	13	0.11
(2,494)	1:22:A:GLN:HG2	1:23:A:GLN:H	8	0.11
(2,490)	1:22:A:GLN:HG2	1:22:A:GLN:HA	3	0.11
(2,487)	1:22:A:GLN:HG3	1:95:A:HIS:HB2	1	0.11
(2,483)	1:22:A:GLN:HG2	1:22:A:GLN:HB3	6	0.11
(2,428)	1:24:A:THR:HG21	1:21:A:GLN:HA	15	0.11
(2,428)	1:24:A:THR:HG22	1:21:A:GLN:HA	15	0.11
(2,428)	1:24:A:THR:HG23	1:21:A:GLN:HA	15	0.11
(2,416)	1:52:A:LYS:HD2	1:52:A:LYS:HE2	9	0.11
(2,404)	1:23:A:GLN:HG2	1:24:A:THR:H	1	0.11
(2,404)	1:23:A:GLN:HG2	1:24:A:THR:H	2	0.11
(2,404)	1:23:A:GLN:HG2	1:24:A:THR:H	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,404)	1:23:A:GLN:HG2	1:24:A:THR:H	7	0.11
(2,404)	1:23:A:GLN:HG2	1:24:A:THR:H	16	0.11
(2,402)	1:22:A:GLN:HB2	1:23:A:GLN:H	7	0.11
(2,362)	1:17:A:SER:HA	1:17:A:SER:H	2	0.11
(2,362)	1:17:A:SER:HA	1:17:A:SER:H	8	0.11
(2,362)	1:17:A:SER:HA	1:17:A:SER:H	9	0.11
(2,362)	1:17:A:SER:HA	1:17:A:SER:H	11	0.11
(2,362)	1:17:A:SER:HA	1:17:A:SER:H	13	0.11
(2,362)	1:17:A:SER:HA	1:17:A:SER:H	14	0.11
(2,362)	1:17:A:SER:HA	1:17:A:SER:H	15	0.11
(2,354)	1:16:A:LEU:HG	1:16:A:LEU:H	14	0.11
(2,314)	1:85:A:PRO:HD2	1:84:A:HIS:H	4	0.11
(2,314)	1:85:A:PRO:HD2	1:84:A:HIS:H	6	0.11
(2,296)	1:68:A:LEU:HB2	1:68:A:LEU:H	4	0.11
(2,296)	1:68:A:LEU:HB2	1:68:A:LEU:H	8	0.11
(2,279)	1:12:A:ARG:HD3	1:12:A:ARG:HA	1	0.11
(2,269)	1:12:A:ARG:HG2	1:13:A:LEU:H	16	0.11
(2,267)	1:12:A:ARG:HG3	1:13:A:LEU:H	14	0.11
(2,250)	1:12:A:ARG:HG2	1:12:A:ARG:HB3	4	0.11
(2,250)	1:12:A:ARG:HG2	1:12:A:ARG:HB3	6	0.11
(2,250)	1:12:A:ARG:HG2	1:12:A:ARG:HB3	7	0.11
(2,250)	1:12:A:ARG:HG2	1:12:A:ARG:HB3	14	0.11
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD11	2	0.11
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD12	2	0.11
(2,239)	1:10:A:ALA:HB1	1:98:A:LEU:HD13	2	0.11
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD11	2	0.11
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD12	2	0.11
(2,239)	1:10:A:ALA:HB2	1:98:A:LEU:HD13	2	0.11
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD11	2	0.11
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD12	2	0.11
(2,239)	1:10:A:ALA:HB3	1:98:A:LEU:HD13	2	0.11
(2,237)	1:50:A:ALA:HB1	1:85:A:PRO:HB3	13	0.11
(2,237)	1:50:A:ALA:HB2	1:85:A:PRO:HB3	13	0.11
(2,237)	1:50:A:ALA:HB3	1:85:A:PRO:HB3	13	0.11
(2,224)	1:50:A:ALA:HB1	1:50:A:ALA:H	2	0.11
(2,224)	1:50:A:ALA:HB2	1:50:A:ALA:H	2	0.11
(2,224)	1:50:A:ALA:HB3	1:50:A:ALA:H	2	0.11
(2,220)	1:13:A:LEU:HD21	1:10:A:ALA:HA	7	0.11
(2,220)	1:13:A:LEU:HD22	1:10:A:ALA:HA	7	0.11
(2,220)	1:13:A:LEU:HD23	1:10:A:ALA:HA	7	0.11
(2,198)	1:9:A:LEU:HB2	1:98:A:LEU:HD21	13	0.11
(2,198)	1:9:A:LEU:HB2	1:98:A:LEU:HD22	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,198)	1:9:A:LEU:HB2	1:98:A:LEU:HD23	13	0.11
(2,194)	1:12:A:ARG:HA	1:12:A:ARG:HG2	6	0.11
(2,194)	1:12:A:ARG:HA	1:12:A:ARG:HG2	7	0.11
(2,194)	1:12:A:ARG:HA	1:12:A:ARG:HG2	14	0.11
(2,133)	1:35:A:THR:HG21	1:36:A:VAL:H	6	0.11
(2,133)	1:35:A:THR:HG22	1:36:A:VAL:H	6	0.11
(2,133)	1:35:A:THR:HG23	1:36:A:VAL:H	6	0.11
(2,127)	1:7:A:THR:HG21	1:7:A:THR:HA	3	0.11
(2,127)	1:7:A:THR:HG22	1:7:A:THR:HA	3	0.11
(2,127)	1:7:A:THR:HG23	1:7:A:THR:HA	3	0.11
(2,127)	1:7:A:THR:HG21	1:7:A:THR:HA	5	0.11
(2,127)	1:7:A:THR:HG22	1:7:A:THR:HA	5	0.11
(2,127)	1:7:A:THR:HG23	1:7:A:THR:HA	5	0.11
(2,127)	1:7:A:THR:HG21	1:7:A:THR:HA	8	0.11
(2,127)	1:7:A:THR:HG22	1:7:A:THR:HA	8	0.11
(2,127)	1:7:A:THR:HG23	1:7:A:THR:HA	8	0.11
(2,127)	1:7:A:THR:HG21	1:7:A:THR:HA	9	0.11
(2,127)	1:7:A:THR:HG22	1:7:A:THR:HA	9	0.11
(2,127)	1:7:A:THR:HG23	1:7:A:THR:HA	9	0.11
(2,127)	1:7:A:THR:HG21	1:7:A:THR:HA	12	0.11
(2,127)	1:7:A:THR:HG22	1:7:A:THR:HA	12	0.11
(2,127)	1:7:A:THR:HG23	1:7:A:THR:HA	12	0.11
(2,127)	1:7:A:THR:HG21	1:7:A:THR:HA	15	0.11
(2,127)	1:7:A:THR:HG22	1:7:A:THR:HA	15	0.11
(2,127)	1:7:A:THR:HG23	1:7:A:THR:HA	15	0.11
(2,127)	1:7:A:THR:HG21	1:7:A:THR:HA	16	0.11
(2,127)	1:7:A:THR:HG22	1:7:A:THR:HA	16	0.11
(2,127)	1:7:A:THR:HG23	1:7:A:THR:HA	16	0.11
(2,96)	1:4:A:SER:HB3	1:7:A:THR:HB	11	0.11
(2,51)	1:51:A:PHE:HD1	1:51:A:PHE:HB3	16	0.11
(2,51)	1:51:A:PHE:HD2	1:51:A:PHE:HB3	16	0.11
(2,24)	1:39:A:HIS:HD2	1:39:A:HIS:HB2	3	0.11
(2,10)	1:95:A:HIS:HD2	1:25:A:LEU:HD11	13	0.11
(2,10)	1:95:A:HIS:HD2	1:25:A:LEU:HD12	13	0.11
(2,10)	1:95:A:HIS:HD2	1:25:A:LEU:HD13	13	0.11
(2,10)	1:95:A:HIS:HD2	1:25:A:LEU:HD11	15	0.11
(2,10)	1:95:A:HIS:HD2	1:25:A:LEU:HD12	15	0.11
(2,10)	1:95:A:HIS:HD2	1:25:A:LEU:HD13	15	0.11
(1,600)	1:33:A:THR:H	1:30:A:ALA:HA	15	0.11
(1,592)	1:101:A:SER:H	1:101:A:SER:HB2	3	0.11
(1,588)	1:96:A:THR:H	1:96:A:THR:HB	2	0.11
(1,588)	1:96:A:THR:H	1:96:A:THR:HB	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,588)	1:96:A:THR:H	1:96:A:THR:HB	10	0.11
(1,573)	1:24:A:THR:H	1:24:A:THR:HB	14	0.11
(1,571)	1:24:A:THR:H	1:23:A:GLN:HG2	1	0.11
(1,571)	1:24:A:THR:H	1:23:A:GLN:HG2	2	0.11
(1,571)	1:24:A:THR:H	1:23:A:GLN:HG2	3	0.11
(1,571)	1:24:A:THR:H	1:23:A:GLN:HG2	7	0.11
(1,571)	1:24:A:THR:H	1:23:A:GLN:HG2	16	0.11
(1,546)	1:83:A:ASP:H	1:82:A:PHE:HB2	13	0.11
(1,503)	1:100:A:GLN:H	1:99:A:THR:HA	7	0.11
(1,500)	1:100:A:GLN:H	1:100:A:GLN:HB3	1	0.11
(1,498)	1:25:A:LEU:H	1:25:A:LEU:HB2	3	0.11
(1,472)	1:8:A:ASP:H	1:8:A:ASP:HB2	9	0.11
(1,442)	1:75:A:ASP:H	1:75:A:ASP:HB3	3	0.11
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD21	7	0.11
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD22	7	0.11
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD23	7	0.11
(1,412)	1:13:A:LEU:H	1:10:A:ALA:HA	13	0.11
(1,356)	1:91:A:THR:H	1:91:A:THR:HB	2	0.11
(1,353)	1:91:A:THR:H	1:90:A:LEU:HB3	2	0.11
(1,350)	1:17:A:SER:H	1:16:A:LEU:HB3	4	0.11
(1,347)	1:17:A:SER:H	1:17:A:SER:HB2	1	0.11
(1,347)	1:17:A:SER:H	1:17:A:SER:HB2	9	0.11
(1,292)	1:37:A:LEU:H	1:36:A:VAL:HG11	14	0.11
(1,292)	1:37:A:LEU:H	1:36:A:VAL:HG12	14	0.11
(1,292)	1:37:A:LEU:H	1:36:A:VAL:HG13	14	0.11
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD21	10	0.11
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD22	10	0.11
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD23	10	0.11
(1,233)	1:102:A:HIS:H	1:102:A:HIS:HB2	2	0.11
(1,224)	1:35:A:THR:H	1:35:A:THR:HB	1	0.11
(1,224)	1:35:A:THR:H	1:35:A:THR:HB	9	0.11
(1,224)	1:35:A:THR:H	1:35:A:THR:HB	14	0.11
(1,224)	1:35:A:THR:H	1:35:A:THR:HB	16	0.11
(1,213)	1:38:A:GLY:H	1:38:A:GLY:HA2	16	0.11
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD11	5	0.11
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD12	5	0.11
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD13	5	0.11
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD11	7	0.11
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD12	7	0.11
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD13	7	0.11
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD11	8	0.11
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD12	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD13	8	0.11
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD11	13	0.11
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD12	13	0.11
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD13	13	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG21	1	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG22	1	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG23	1	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG21	4	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG22	4	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG23	4	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG21	6	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG22	6	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG23	6	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG21	8	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG22	8	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG23	8	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG21	10	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG22	10	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG23	10	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG21	11	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG22	11	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG23	11	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG21	12	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG22	12	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG23	12	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG21	13	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG22	13	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG23	13	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG21	16	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG22	16	0.11
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG23	16	0.11
(1,125)	1:21:A:GLN:H	1:21:A:GLN:HB2	15	0.11
(1,105)	1:73:A:GLY:H	1:94:A:LEU:HD21	6	0.11
(1,105)	1:73:A:GLY:H	1:94:A:LEU:HD22	6	0.11
(1,105)	1:73:A:GLY:H	1:94:A:LEU:HD23	6	0.11
(1,105)	1:73:A:GLY:H	1:94:A:LEU:HD21	9	0.11
(1,105)	1:73:A:GLY:H	1:94:A:LEU:HD22	9	0.11
(1,105)	1:73:A:GLY:H	1:94:A:LEU:HD23	9	0.11
(1,105)	1:73:A:GLY:H	1:94:A:LEU:HD21	14	0.11
(1,105)	1:73:A:GLY:H	1:94:A:LEU:HD22	14	0.11
(1,105)	1:73:A:GLY:H	1:94:A:LEU:HD23	14	0.11
(1,68)	1:20:A:GLN:H	1:21:A:GLN:H	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,68)	1:20:A:GLN:H	1:21:A:GLN:H	7	0.11
(1,24)	1:13:A:LEU:H	1:14:A:ASN:H	1	0.11
(1,24)	1:13:A:LEU:H	1:14:A:ASN:H	2	0.11
(1,24)	1:13:A:LEU:H	1:14:A:ASN:H	15	0.11
(1,20)	1:35:A:THR:H	1:34:A:ALA:H	3	0.11
(1,20)	1:35:A:THR:H	1:34:A:ALA:H	9	0.11
(1,19)	1:35:A:THR:H	1:36:A:VAL:H	14	0.11
(1,17)	1:100:A:GLN:H	1:99:A:THR:H	10	0.11
(1,5)	1:88:A:HIS:H	1:89:A:ALA:H	11	0.11
(1,3)	1:52:A:LYS:H	1:51:A:PHE:H	7	0.11
(2,1914)	1:91:A:THR:HB	1:92:A:GLN:H	14	0.1
(2,1907)	1:55:A:GLY:HA2	1:56:A:ILE:HB	7	0.1
(2,1907)	1:55:A:GLY:HA2	1:56:A:ILE:HB	12	0.1
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB1	9	0.1
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB2	9	0.1
(2,1896)	1:82:A:PHE:HE1	1:61:A:ALA:HB3	9	0.1
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB1	9	0.1
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB2	9	0.1
(2,1896)	1:82:A:PHE:HE2	1:61:A:ALA:HB3	9	0.1
(2,1887)	1:13:A:LEU:HG	1:14:A:ASN:H	7	0.1
(2,1848)	1:95:A:HIS:HD2	1:22:A:GLN:H	15	0.1
(2,1836)	1:13:A:LEU:HD21	1:13:A:LEU:H	5	0.1
(2,1836)	1:13:A:LEU:HD22	1:13:A:LEU:H	5	0.1
(2,1836)	1:13:A:LEU:HD23	1:13:A:LEU:H	5	0.1
(2,1813)	1:81:A:ILE:HG12	1:81:A:ILE:HD11	7	0.1
(2,1813)	1:81:A:ILE:HG12	1:81:A:ILE:HD12	7	0.1
(2,1813)	1:81:A:ILE:HG12	1:81:A:ILE:HD13	7	0.1
(2,1813)	1:81:A:ILE:HG12	1:81:A:ILE:HD11	10	0.1
(2,1813)	1:81:A:ILE:HG12	1:81:A:ILE:HD12	10	0.1
(2,1813)	1:81:A:ILE:HG12	1:81:A:ILE:HD13	10	0.1
(2,1813)	1:81:A:ILE:HG12	1:81:A:ILE:HD11	12	0.1
(2,1813)	1:81:A:ILE:HG12	1:81:A:ILE:HD12	12	0.1
(2,1813)	1:81:A:ILE:HG12	1:81:A:ILE:HD13	12	0.1
(2,1753)	1:95:A:HIS:HB2	1:95:A:HIS:HA	5	0.1
(2,1736)	1:94:A:LEU:HA	1:93:A:HIS:HD2	12	0.1
(2,1679)	1:90:A:LEU:HD21	1:90:A:LEU:HB3	1	0.1
(2,1679)	1:90:A:LEU:HD22	1:90:A:LEU:HB3	1	0.1
(2,1679)	1:90:A:LEU:HD23	1:90:A:LEU:HB3	1	0.1
(2,1679)	1:90:A:LEU:HD21	1:90:A:LEU:HB3	5	0.1
(2,1679)	1:90:A:LEU:HD22	1:90:A:LEU:HB3	5	0.1
(2,1679)	1:90:A:LEU:HD23	1:90:A:LEU:HB3	5	0.1
(2,1602)	1:86:A:THR:HB	1:88:A:HIS:H	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1569)	1:83:A:ASP:HB3	1:84:A:HIS:H	13	0.1
(2,1560)	1:82:A:PHE:HB2	1:83:A:ASP:H	3	0.1
(2,1560)	1:82:A:PHE:HB2	1:83:A:ASP:H	8	0.1
(2,1557)	1:82:A:PHE:HA	1:82:A:PHE:HB3	3	0.1
(2,1557)	1:82:A:PHE:HA	1:82:A:PHE:HB3	5	0.1
(2,1502)	1:72:A:THR:HG21	1:73:A:GLY:H	6	0.1
(2,1502)	1:72:A:THR:HG22	1:73:A:GLY:H	6	0.1
(2,1502)	1:72:A:THR:HG23	1:73:A:GLY:H	6	0.1
(2,1499)	1:79:A:THR:HA	1:78:A:PRO:HB3	3	0.1
(2,1473)	1:75:A:ASP:HB3	1:75:A:ASP:H	16	0.1
(2,1453)	1:40:A:HIS:HA	1:40:A:HIS:HB2	4	0.1
(2,1449)	1:95:A:HIS:HB2	1:95:A:HIS:H	14	0.1
(2,1439)	1:72:A:THR:HB	1:74:A:LEU:HB2	9	0.1
(2,1409)	1:56:A:ILE:HD11	1:37:A:LEU:H	12	0.1
(2,1409)	1:56:A:ILE:HD12	1:37:A:LEU:H	12	0.1
(2,1409)	1:56:A:ILE:HD13	1:37:A:LEU:H	12	0.1
(2,1388)	1:81:A:ILE:HB	1:81:A:ILE:HG13	9	0.1
(2,1379)	1:97:A:ARG:HG3	1:97:A:ARG:HB2	8	0.1
(2,1295)	1:66:A:ASN:HB3	1:66:A:ASN:HA	1	0.1
(2,1278)	1:65:A:ARG:HA	1:65:A:ARG:H	5	0.1
(2,1278)	1:65:A:ARG:HA	1:65:A:ARG:H	6	0.1
(2,1276)	1:65:A:ARG:HA	1:62:A:LEU:HA	13	0.1
(2,1244)	1:64:A:LEU:HB3	1:64:A:LEU:HD11	11	0.1
(2,1244)	1:64:A:LEU:HB3	1:64:A:LEU:HD12	11	0.1
(2,1244)	1:64:A:LEU:HB3	1:64:A:LEU:HD13	11	0.1
(2,1244)	1:64:A:LEU:HB3	1:64:A:LEU:HD11	15	0.1
(2,1244)	1:64:A:LEU:HB3	1:64:A:LEU:HD12	15	0.1
(2,1244)	1:64:A:LEU:HB3	1:64:A:LEU:HD13	15	0.1
(2,1231)	1:63:A:GLU:HG3	1:64:A:LEU:H	13	0.1
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG21	3	0.1
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG22	3	0.1
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG23	3	0.1
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG21	9	0.1
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG22	9	0.1
(2,1220)	1:63:A:GLU:HG2	1:35:A:THR:HG23	9	0.1
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG21	4	0.1
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG22	4	0.1
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG23	4	0.1
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG21	10	0.1
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG22	10	0.1
(2,1219)	1:63:A:GLU:HG2	1:60:A:THR:HG23	10	0.1
(2,1213)	1:63:A:GLU:HA	1:65:A:ARG:H	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1174)	1:61:A:ALA:HB1	1:58:A:SER:HB2	2	0.1
(2,1174)	1:61:A:ALA:HB2	1:58:A:SER:HB2	2	0.1
(2,1174)	1:61:A:ALA:HB3	1:58:A:SER:HB2	2	0.1
(2,1154)	1:60:A:THR:HB	1:63:A:GLU:H	5	0.1
(2,1135)	1:59:A:LEU:HA	1:58:A:SER:HA	16	0.1
(2,1133)	1:58:A:SER:HB3	1:59:A:LEU:HG	8	0.1
(2,1100)	1:81:A:ILE:HG21	1:90:A:LEU:HB2	10	0.1
(2,1100)	1:81:A:ILE:HG22	1:90:A:LEU:HB2	10	0.1
(2,1100)	1:81:A:ILE:HG23	1:90:A:LEU:HB2	10	0.1
(2,1097)	1:81:A:ILE:HG21	1:81:A:ILE:HB	4	0.1
(2,1097)	1:81:A:ILE:HG22	1:81:A:ILE:HB	4	0.1
(2,1097)	1:81:A:ILE:HG23	1:81:A:ILE:HB	4	0.1
(2,1096)	1:56:A:ILE:HG12	1:64:A:LEU:HD11	7	0.1
(2,1096)	1:56:A:ILE:HG12	1:64:A:LEU:HD12	7	0.1
(2,1096)	1:56:A:ILE:HG12	1:64:A:LEU:HD13	7	0.1
(2,1051)	1:52:A:LYS:HG2	1:52:A:LYS:HB2	2	0.1
(2,1051)	1:52:A:LYS:HG2	1:52:A:LYS:HB2	4	0.1
(2,1051)	1:52:A:LYS:HG2	1:52:A:LYS:HB2	6	0.1
(2,1051)	1:52:A:LYS:HG2	1:52:A:LYS:HB2	9	0.1
(2,1051)	1:52:A:LYS:HG2	1:52:A:LYS:HB2	11	0.1
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD11	5	0.1
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD12	5	0.1
(2,999)	1:49:A:THR:HG21	1:54:A:LEU:HD13	5	0.1
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD11	5	0.1
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD12	5	0.1
(2,999)	1:49:A:THR:HG22	1:54:A:LEU:HD13	5	0.1
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD11	5	0.1
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD12	5	0.1
(2,999)	1:49:A:THR:HG23	1:54:A:LEU:HD13	5	0.1
(2,959)	1:47:A:PRO:HD3	1:46:A:SER:HB3	4	0.1
(2,927)	1:56:A:ILE:HD11	1:56:A:ILE:HA	16	0.1
(2,927)	1:56:A:ILE:HD12	1:56:A:ILE:HA	16	0.1
(2,927)	1:56:A:ILE:HD13	1:56:A:ILE:HA	16	0.1
(2,857)	1:37:A:LEU:HD21	1:54:A:LEU:H	11	0.1
(2,857)	1:37:A:LEU:HD22	1:54:A:LEU:H	11	0.1
(2,857)	1:37:A:LEU:HD23	1:54:A:LEU:H	11	0.1
(2,845)	1:37:A:LEU:HD11	1:36:A:VAL:H	14	0.1
(2,845)	1:37:A:LEU:HD12	1:36:A:VAL:H	14	0.1
(2,845)	1:37:A:LEU:HD13	1:36:A:VAL:H	14	0.1
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB1	7	0.1
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB2	7	0.1
(2,786)	1:35:A:THR:HB	1:34:A:ALA:HB3	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG11	14	0.1
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG12	14	0.1
(2,713)	1:30:A:ALA:HB1	1:29:A:VAL:HG13	14	0.1
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG11	14	0.1
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG12	14	0.1
(2,713)	1:30:A:ALA:HB2	1:29:A:VAL:HG13	14	0.1
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG11	14	0.1
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG12	14	0.1
(2,713)	1:30:A:ALA:HB3	1:29:A:VAL:HG13	14	0.1
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB1	1	0.1
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB2	1	0.1
(2,661)	1:29:A:VAL:HA	1:32:A:ALA:HB3	1	0.1
(2,651)	1:28:A:LEU:HD21	1:29:A:VAL:H	1	0.1
(2,651)	1:28:A:LEU:HD22	1:29:A:VAL:H	1	0.1
(2,651)	1:28:A:LEU:HD23	1:29:A:VAL:H	1	0.1
(2,651)	1:28:A:LEU:HD21	1:29:A:VAL:H	6	0.1
(2,651)	1:28:A:LEU:HD22	1:29:A:VAL:H	6	0.1
(2,651)	1:28:A:LEU:HD23	1:29:A:VAL:H	6	0.1
(2,640)	1:45:A:ILE:HG21	1:45:A:ILE:HG12	1	0.1
(2,640)	1:45:A:ILE:HG22	1:45:A:ILE:HG12	1	0.1
(2,640)	1:45:A:ILE:HG23	1:45:A:ILE:HG12	1	0.1
(2,640)	1:45:A:ILE:HG21	1:45:A:ILE:HG12	3	0.1
(2,640)	1:45:A:ILE:HG22	1:45:A:ILE:HG12	3	0.1
(2,640)	1:45:A:ILE:HG23	1:45:A:ILE:HG12	3	0.1
(2,640)	1:45:A:ILE:HG21	1:45:A:ILE:HG12	11	0.1
(2,640)	1:45:A:ILE:HG22	1:45:A:ILE:HG12	11	0.1
(2,640)	1:45:A:ILE:HG23	1:45:A:ILE:HG12	11	0.1
(2,640)	1:45:A:ILE:HG21	1:45:A:ILE:HG12	12	0.1
(2,640)	1:45:A:ILE:HG22	1:45:A:ILE:HG12	12	0.1
(2,640)	1:45:A:ILE:HG23	1:45:A:ILE:HG12	12	0.1
(2,640)	1:45:A:ILE:HG21	1:45:A:ILE:HG12	16	0.1
(2,640)	1:45:A:ILE:HG22	1:45:A:ILE:HG12	16	0.1
(2,640)	1:45:A:ILE:HG23	1:45:A:ILE:HG12	16	0.1
(2,548)	1:25:A:LEU:HA	1:24:A:THR:HB	9	0.1
(2,496)	1:23:A:GLN:HA	1:23:A:GLN:HG2	1	0.1
(2,496)	1:23:A:GLN:HA	1:23:A:GLN:HG2	12	0.1
(2,486)	1:22:A:GLN:HG3	1:22:A:GLN:HB2	14	0.1
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD11	7	0.1
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD12	7	0.1
(2,473)	1:22:A:GLN:HA	1:25:A:LEU:HD13	7	0.1
(2,416)	1:52:A:LYS:HD2	1:52:A:LYS:HE2	1	0.1
(2,416)	1:52:A:LYS:HD2	1:52:A:LYS:HE2	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,416)	1:52:A:LYS:HD2	1:52:A:LYS:HE2	3	0.1
(2,416)	1:52:A:LYS:HD2	1:52:A:LYS:HE2	4	0.1
(2,416)	1:52:A:LYS:HD2	1:52:A:LYS:HE2	5	0.1
(2,416)	1:52:A:LYS:HD2	1:52:A:LYS:HE2	6	0.1
(2,416)	1:52:A:LYS:HD2	1:52:A:LYS:HE2	8	0.1
(2,416)	1:52:A:LYS:HD2	1:52:A:LYS:HE2	10	0.1
(2,416)	1:52:A:LYS:HD2	1:52:A:LYS:HE2	11	0.1
(2,416)	1:52:A:LYS:HD2	1:52:A:LYS:HE2	16	0.1
(2,404)	1:23:A:GLN:HG2	1:24:A:THR:H	9	0.1
(2,404)	1:23:A:GLN:HG2	1:24:A:THR:H	14	0.1
(2,362)	1:17:A:SER:HA	1:17:A:SER:H	6	0.1
(2,362)	1:17:A:SER:HA	1:17:A:SER:H	7	0.1
(2,362)	1:17:A:SER:HA	1:17:A:SER:H	16	0.1
(2,361)	1:16:A:LEU:HD21	1:17:A:SER:H	6	0.1
(2,361)	1:16:A:LEU:HD22	1:17:A:SER:H	6	0.1
(2,361)	1:16:A:LEU:HD23	1:17:A:SER:H	6	0.1
(2,328)	1:14:A:ASN:HA	1:13:A:LEU:H	11	0.1
(2,296)	1:68:A:LEU:HB2	1:68:A:LEU:H	1	0.1
(2,296)	1:68:A:LEU:HB2	1:68:A:LEU:H	2	0.1
(2,267)	1:12:A:ARG:HG3	1:13:A:LEU:H	9	0.1
(2,265)	1:12:A:ARG:HG2	1:11:A:ALA:HB1	15	0.1
(2,265)	1:12:A:ARG:HG2	1:11:A:ALA:HB2	15	0.1
(2,265)	1:12:A:ARG:HG2	1:11:A:ALA:HB3	15	0.1
(2,250)	1:12:A:ARG:HG2	1:12:A:ARG:HB3	5	0.1
(2,250)	1:12:A:ARG:HG2	1:12:A:ARG:HB3	13	0.1
(2,250)	1:12:A:ARG:HG2	1:12:A:ARG:HB3	16	0.1
(2,224)	1:50:A:ALA:HB1	1:50:A:ALA:H	7	0.1
(2,224)	1:50:A:ALA:HB2	1:50:A:ALA:H	7	0.1
(2,224)	1:50:A:ALA:HB3	1:50:A:ALA:H	7	0.1
(2,194)	1:12:A:ARG:HA	1:12:A:ARG:HG2	3	0.1
(2,194)	1:12:A:ARG:HA	1:12:A:ARG:HG2	4	0.1
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD11	5	0.1
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD12	5	0.1
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD13	5	0.1
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD11	5	0.1
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD12	5	0.1
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD13	5	0.1
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD11	6	0.1
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD12	6	0.1
(2,56)	1:51:A:PHE:HE1	1:64:A:LEU:HD13	6	0.1
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD11	6	0.1
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD12	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,56)	1:51:A:PHE:HE2	1:64:A:LEU:HD13	6	0.1
(2,22)	1:40:A:HIS:HD2	1:40:A:HIS:HB2	14	0.1
(2,7)	1:9:A:LEU:HD11	1:71:A:ASN:HA	8	0.1
(2,7)	1:9:A:LEU:HD12	1:71:A:ASN:HA	8	0.1
(2,7)	1:9:A:LEU:HD13	1:71:A:ASN:HA	8	0.1
(1,594)	1:33:A:THR:H	1:32:A:ALA:HB1	8	0.1
(1,594)	1:33:A:THR:H	1:32:A:ALA:HB2	8	0.1
(1,594)	1:33:A:THR:H	1:32:A:ALA:HB3	8	0.1
(1,594)	1:33:A:THR:H	1:32:A:ALA:HB1	15	0.1
(1,594)	1:33:A:THR:H	1:32:A:ALA:HB2	15	0.1
(1,594)	1:33:A:THR:H	1:32:A:ALA:HB3	15	0.1
(1,588)	1:96:A:THR:H	1:96:A:THR:HB	5	0.1
(1,588)	1:96:A:THR:H	1:96:A:THR:HB	12	0.1
(1,571)	1:24:A:THR:H	1:23:A:GLN:HG2	9	0.1
(1,571)	1:24:A:THR:H	1:23:A:GLN:HG2	14	0.1
(1,539)	1:92:A:GLN:H	1:92:A:GLN:HG3	9	0.1
(1,500)	1:100:A:GLN:H	1:100:A:GLN:HB3	12	0.1
(1,442)	1:75:A:ASP:H	1:75:A:ASP:HB3	16	0.1
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD21	16	0.1
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD22	16	0.1
(1,416)	1:13:A:LEU:H	1:13:A:LEU:HD23	16	0.1
(1,406)	1:48:A:ALA:H	1:47:A:PRO:HA	11	0.1
(1,406)	1:48:A:ALA:H	1:47:A:PRO:HA	16	0.1
(1,356)	1:91:A:THR:H	1:91:A:THR:HB	13	0.1
(1,356)	1:91:A:THR:H	1:91:A:THR:HB	14	0.1
(1,350)	1:17:A:SER:H	1:16:A:LEU:HB3	2	0.1
(1,329)	1:64:A:LEU:H	1:63:A:GLU:HB2	8	0.1
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD21	5	0.1
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD22	5	0.1
(1,268)	1:99:A:THR:H	1:98:A:LEU:HD23	5	0.1
(1,249)	1:99:A:THR:H	1:98:A:LEU:HB2	10	0.1
(1,224)	1:35:A:THR:H	1:35:A:THR:HB	12	0.1
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD11	9	0.1
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD12	9	0.1
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD13	9	0.1
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD11	10	0.1
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD12	10	0.1
(1,187)	1:62:A:LEU:H	1:62:A:LEU:HD13	10	0.1
(1,159)	1:5:A:ALA:H	1:5:A:ALA:HA	10	0.1
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG21	15	0.1
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG22	15	0.1
(1,151)	1:30:A:ALA:H	1:29:A:VAL:HG23	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:69:A:THR:H	1:69:A:THR:HB	5	0.1
(1,17)	1:100:A:GLN:H	1:99:A:THR:H	14	0.1
(1,17)	1:100:A:GLN:H	1:99:A:THR:H	16	0.1
(1,5)	1:88:A:HIS:H	1:89:A:ALA:H	8	0.1

10 Dihedral-angle violation analysis (i)

No dihedral-angle restraints found