



Full wwPDB NMR Structure Validation Report ⓘ

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PDB ID : 2MI2 / pdb_00002mi2
BMRB ID : 19618
Title : Solution structure of the E. coli TatB protein in DPC micelles
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Deposited on : 2013-12-08

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with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

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

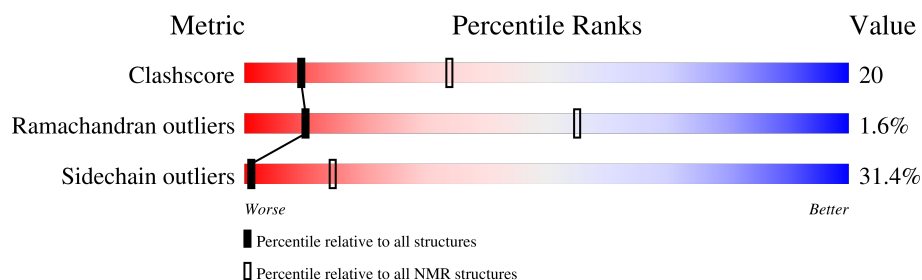
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 90%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	109	29% 22% . 40% 5%

2 Ensemble composition and analysis

This entry contains 15 models. Model 8 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:14-A:43 (30)	0.16	8
2	A:67-A:96 (30)	0.25	2

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

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

The models can be grouped into 3 clusters and 3 single-model clusters were found.

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

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 1672 atoms, of which 855 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Sec-independent protein translocase protein TatB.

Mol	Chain	Residues	Atoms						Trace
1	A	104	Total	C	H	N	O	S	0
			1672	523	855	138	153	3	

There are 8 discrepancies between the modelled and reference sequences:

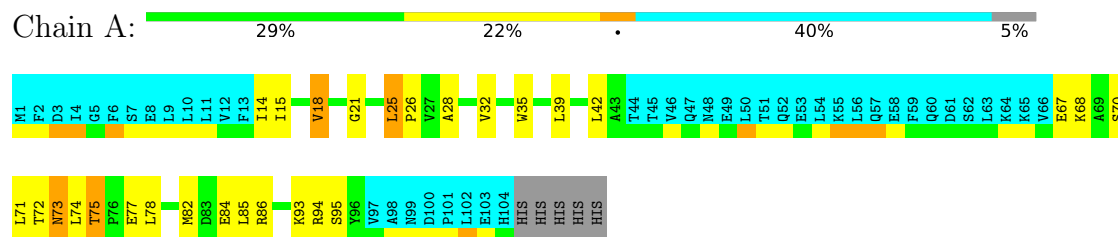
Chain	Residue	Modelled	Actual	Comment	Reference
A	102	LEU	-	expression tag	UNP E2QI32
A	103	GLU	-	expression tag	UNP E2QI32
A	104	HIS	-	expression tag	UNP E2QI32
A	105	HIS	-	expression tag	UNP E2QI32
A	106	HIS	-	expression tag	UNP E2QI32
A	107	HIS	-	expression tag	UNP E2QI32
A	108	HIS	-	expression tag	UNP E2QI32
A	109	HIS	-	expression tag	UNP E2QI32

4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

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

- Molecule 1: Sec-independent protein translocase protein TatB

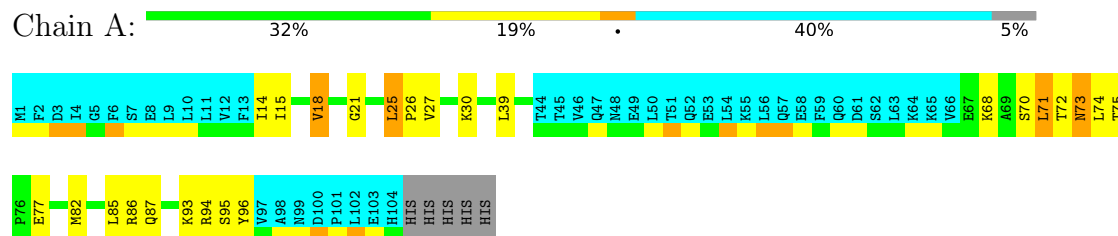


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

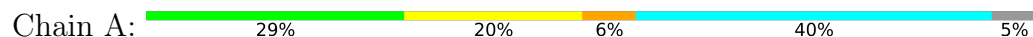
4.2.1 Score per residue for model 1

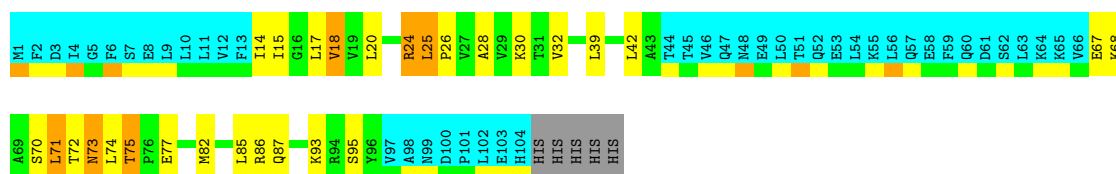
- Molecule 1: Sec-independent protein translocase protein TatB



4.2.2 Score per residue for model 2

- Molecule 1: Sec-independent protein translocase protein TatB

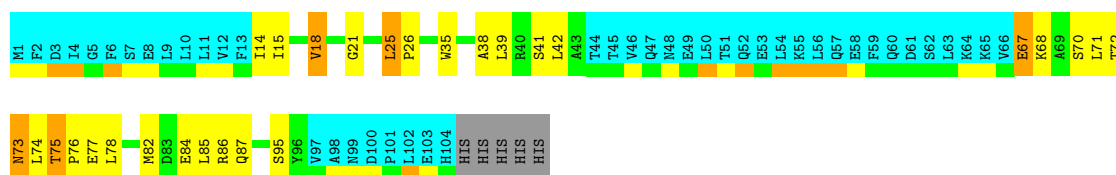




4.2.3 Score per residue for model 3

- Molecule 1: Sec-independent protein translocase protein TatB

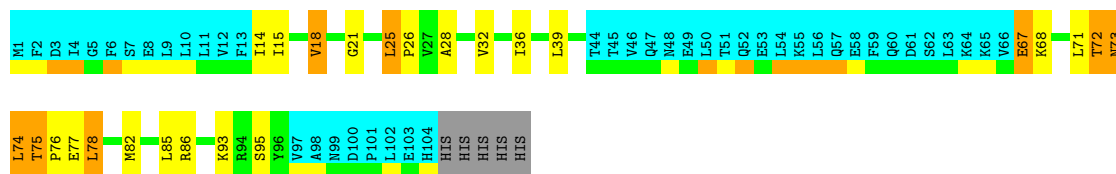
Chain A: 29% 21% 5% 40% 5%



4.2.4 Score per residue for model 4

- Molecule 1: Sec-independent protein translocase protein TatB

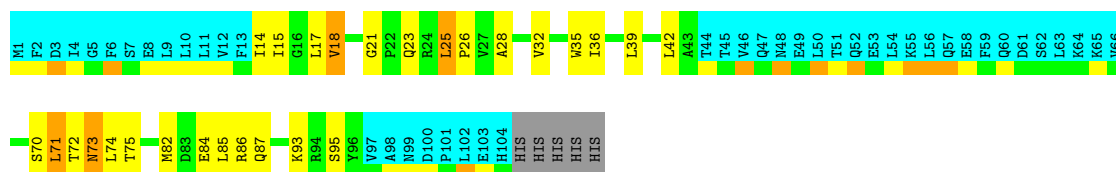
Chain A: 32% 16% 7% 40% 5%



4.2.5 Score per residue for model 5

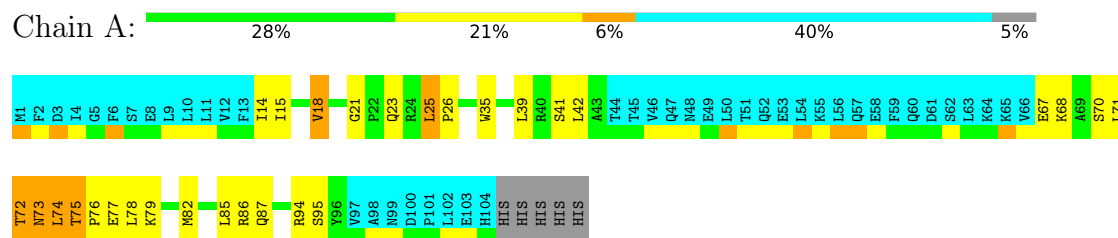
- Molecule 1: Sec-independent protein translocase protein TatB

Chain A: 30% 21% 40% 5%



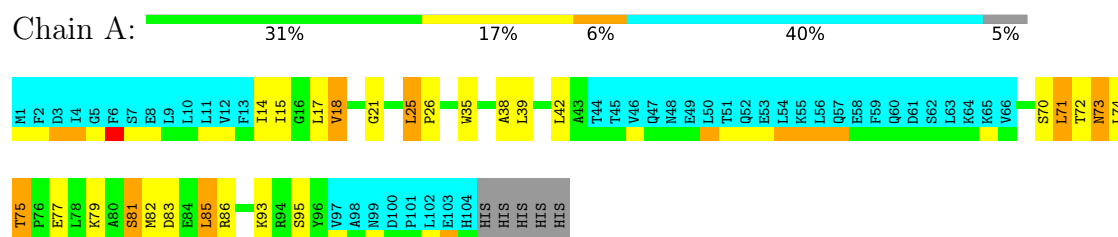
4.2.6 Score per residue for model 6

- Molecule 1: Sec-independent protein translocase protein TatB



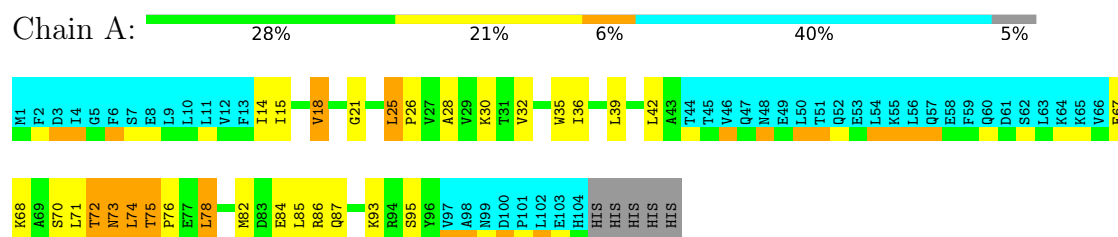
4.2.7 Score per residue for model 7

- Molecule 1: Sec-independent protein translocase protein TatB



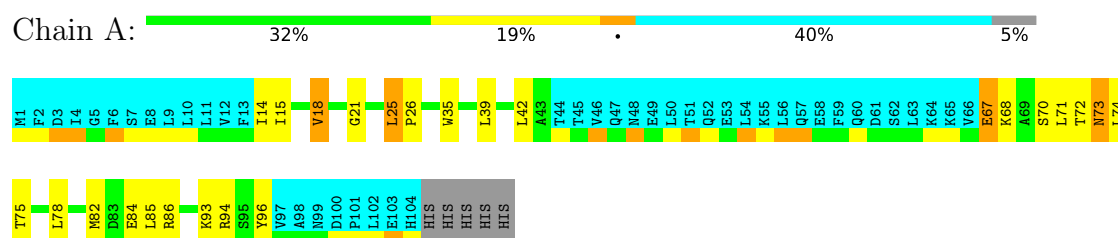
4.2.8 Score per residue for model 8 (medoid)

- Molecule 1: Sec-independent protein translocase protein TatB



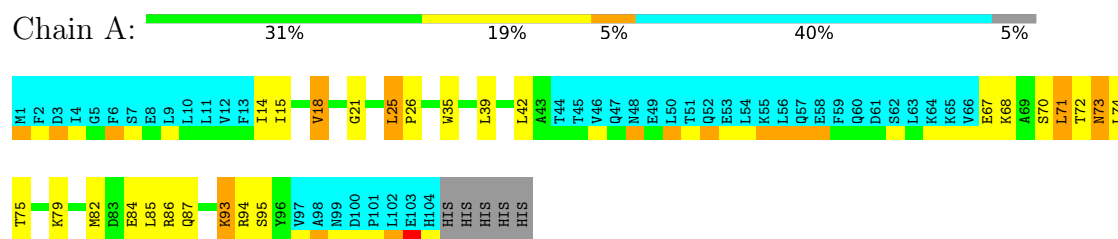
4.2.9 Score per residue for model 9

- Molecule 1: Sec-independent protein translocase protein TatB



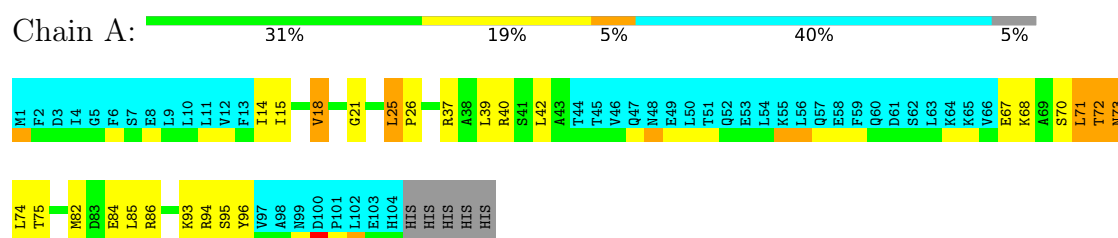
4.2.10 Score per residue for model 10

- Molecule 1: Sec-independent protein translocase protein TatB



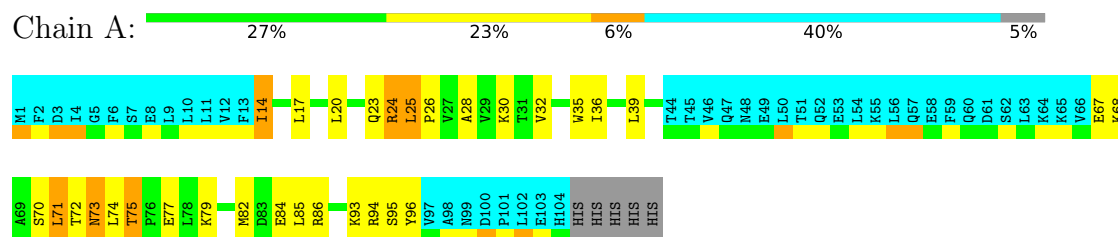
4.2.11 Score per residue for model 11

- Molecule 1: Sec-independent protein translocase protein TatB



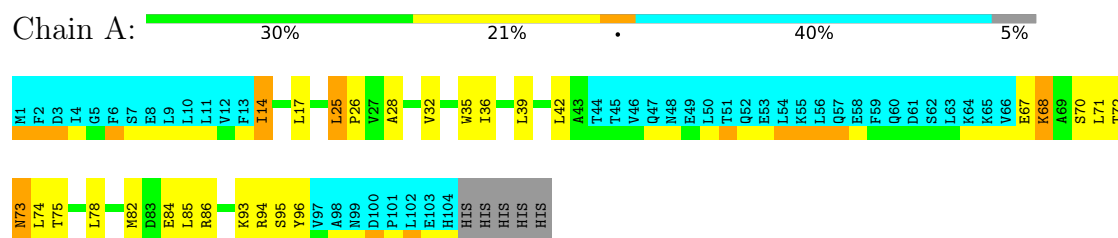
4.2.12 Score per residue for model 12

- Molecule 1: Sec-independent protein translocase protein TatB



4.2.13 Score per residue for model 13

- Molecule 1: Sec-independent protein translocase protein TatB



5 Refinement protocol and experimental data overview

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

Of the 100 calculated structures, 15 were deposited, based on the following criterion: *structures with the lowest energy*.

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

Software name	Classification	Version
CYANA	structure solution	
CYANA	refinement	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	1337
Number of shifts mapped to atoms	1333
Number of unparsed shifts	0
Number of shifts with mapping errors	4
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	90%

6 Model quality

6.1 Standard geometry

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	458	497	497	19±5
All	All	6870	7455	7455	289

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 20.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:71:LEU:HD23	1:A:78:LEU:HD21	0.97	1.37	13	6
1:A:71:LEU:CG	1:A:78:LEU:HD21	0.71	2.16	8	6
1:A:71:LEU:CD2	1:A:78:LEU:HD21	0.67	2.17	13	8
1:A:32:VAL:HG12	1:A:36:ILE:HD12	0.66	1.68	15	7
1:A:71:LEU:HG	1:A:78:LEU:HD21	0.65	1.68	8	4
1:A:73:ASN:C	1:A:74:LEU:HD23	0.65	2.16	3	15
1:A:68:LYS:O	1:A:72:THR:HG23	0.65	1.92	15	9
1:A:17:LEU:HD22	1:A:25:LEU:HG	0.61	1.72	2	5
1:A:73:ASN:O	1:A:74:LEU:HD23	0.61	1.96	13	4
1:A:28:ALA:O	1:A:32:VAL:HG23	0.60	1.97	12	8
1:A:25:LEU:HD22	1:A:25:LEU:O	0.59	1.98	7	15
1:A:71:LEU:O	1:A:72:THR:C	0.59	2.46	14	7
1:A:25:LEU:N	1:A:26:PRO:HD2	0.58	2.12	1	15
1:A:70:SER:C	1:A:71:LEU:HD23	0.58	2.24	2	7

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:20:LEU:HG	1:A:24:ARG:CZ	0.58	2.29	2	2
1:A:71:LEU:HD23	1:A:78:LEU:CD2	0.57	2.29	15	1
1:A:67:GLU:O	1:A:71:LEU:HB2	0.55	2.01	6	7
1:A:81:SER:O	1:A:85:LEU:HD12	0.55	2.01	7	1
1:A:14:ILE:O	1:A:18:VAL:HG13	0.54	2.03	9	13
1:A:25:LEU:HD22	1:A:25:LEU:C	0.54	2.28	7	13
1:A:38:ALA:O	1:A:42:LEU:HD23	0.52	2.04	3	1
1:A:32:VAL:HG12	1:A:36:ILE:CD1	0.51	2.35	14	7
1:A:35:TRP:O	1:A:39:LEU:HD23	0.51	2.06	3	11
1:A:96:TYR:C	1:A:96:TYR:CD1	0.50	2.88	13	5
1:A:17:LEU:HD11	1:A:25:LEU:HG	0.50	1.82	13	2
1:A:25:LEU:HD13	1:A:26:PRO:N	0.49	2.23	14	13
1:A:25:LEU:N	1:A:26:PRO:CD	0.49	2.76	1	15
1:A:79:LYS:HA	1:A:82:MET:HE3	0.48	1.86	7	1
1:A:71:LEU:HD23	1:A:78:LEU:HD11	0.47	1.85	8	2
1:A:67:GLU:O	1:A:71:LEU:N	0.47	2.48	9	5
1:A:25:LEU:C	1:A:25:LEU:HD13	0.47	2.34	1	14
1:A:75:THR:HG22	1:A:76:PRO:HD2	0.47	1.86	6	5
1:A:15:ILE:HA	1:A:18:VAL:HG22	0.46	1.88	8	13
1:A:68:LYS:HG3	1:A:69:ALA:N	0.46	2.26	15	1
1:A:25:LEU:HB3	1:A:26:PRO:HD3	0.45	1.87	2	14
1:A:39:LEU:C	1:A:39:LEU:HD12	0.45	2.35	3	11
1:A:70:SER:O	1:A:74:LEU:HD12	0.45	2.12	3	3
1:A:38:ALA:O	1:A:42:LEU:HD13	0.44	2.13	7	1
1:A:67:GLU:O	1:A:71:LEU:HD13	0.42	2.14	15	2
1:A:74:LEU:O	1:A:75:THR:HG23	0.42	2.14	2	3
1:A:96:TYR:CD1	1:A:96:TYR:C	0.42	2.98	9	1
1:A:71:LEU:HD23	1:A:71:LEU:N	0.40	2.32	10	1
1:A:68:LYS:CD	1:A:68:LYS:C	0.40	2.94	15	1
1:A:70:SER:O	1:A:74:LEU:HB2	0.40	2.16	9	2
1:A:71:LEU:O	1:A:78:LEU:HG	0.40	2.16	6	1
1:A:71:LEU:HB3	1:A:78:LEU:HG	0.40	1.94	6	1

6.3 Torsion angles ⓘ

6.3.1 Protein backbone ⓘ

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	60/109 (55%)	54±1 (89±2%)	6±1 (9±2%)	1±1 (2±1%)	10	55
All	All	900/1635 (55%)	803 (89%)	83 (9%)	14 (2%)	10	55

All 2 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	21	GLY	12
1	A	72	THR	2

6.3.2 Protein sidechains ⓘ

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	49/96 (51%)	34±2 (69±5%)	15±2 (31±5%)	1	14
All	All	735/1440 (51%)	504 (69%)	231 (31%)	1	14

All 33 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	25	LEU	15
1	A	73	ASN	15
1	A	75	THR	15
1	A	85	LEU	15
1	A	86	ARG	15
1	A	82	MET	14
1	A	95	SER	14
1	A	18	VAL	13
1	A	93	LYS	13
1	A	84	GLU	10
1	A	72	THR	9
1	A	77	GLU	8
1	A	71	LEU	7
1	A	87	GLN	7
1	A	67	GLU	7
1	A	68	LYS	6

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Mol	Chain	Res	Type	Models (Total)
1	A	30	LYS	5
1	A	42	LEU	5
1	A	23	GLN	5
1	A	39	LEU	4
1	A	74	LEU	4
1	A	94	ARG	4
1	A	78	LEU	3
1	A	79	LYS	3
1	A	24	ARG	2
1	A	41	SER	2
1	A	70	SER	2
1	A	37	ARG	2
1	A	40	ARG	2
1	A	14	ILE	2
1	A	27	VAL	1
1	A	81	SER	1
1	A	83	ASP	1

6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.6 Ligand geometry [i](#)

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues ⓘ

There are no chain breaks in this entry.

7 Chemical shift validation

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

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	1337
Number of shifts mapped to atoms	1333
Number of unparsed shifts	0
Number of shifts with mapping errors	4
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	2

The following assigned chemical shifts were not mapped to the molecules present in the coordinate file.

- No matching atom found in the structure. All 4 occurrences are reported below.

List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	105	HIS	H	8.191	0.008	1
1	A	105	HIS	HA	4.652	0.000	1
1	A	105	HIS	HB2	3.155	0.000	1
1	A	105	HIS	N	125.883	0.019	1

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	104	-0.65 ± 0.06	Should be checked
$^{13}\text{C}_\beta$	100	0.07 ± 0.03	None needed (< 0.5 ppm)
$^{13}\text{C}'$	100	-0.16 ± 0.04	None needed (< 0.5 ppm)
^{15}N	101	0.03 ± 0.21	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments [i](#)

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 90%, i.e. 757 atoms were assigned a chemical shift out of a possible 843. 0 out of 14 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	294/297 (99%)	119/120 (99%)	118/120 (98%)	57/57 (100%)
Sidechain	443/525 (84%)	295/346 (85%)	140/157 (89%)	8/22 (36%)
Aromatic	20/21 (95%)	10/10 (100%)	9/10 (90%)	1/1 (100%)
Overall	757/843 (90%)	424/476 (89%)	267/287 (93%)	66/80 (82%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 90%, i.e. 1326 atoms were assigned a chemical shift out of a possible 1468. 0 out of 26 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	510/516 (99%)	206/208 (99%)	204/208 (98%)	100/100 (100%)
Sidechain	762/884 (86%)	509/579 (88%)	239/274 (87%)	14/31 (45%)
Aromatic	54/68 (79%)	27/34 (79%)	26/32 (81%)	1/2 (50%)
Overall	1326/1468 (90%)	742/821 (90%)	469/514 (91%)	115/133 (86%)

7.1.4 Statistically unusual chemical shifts [i](#)

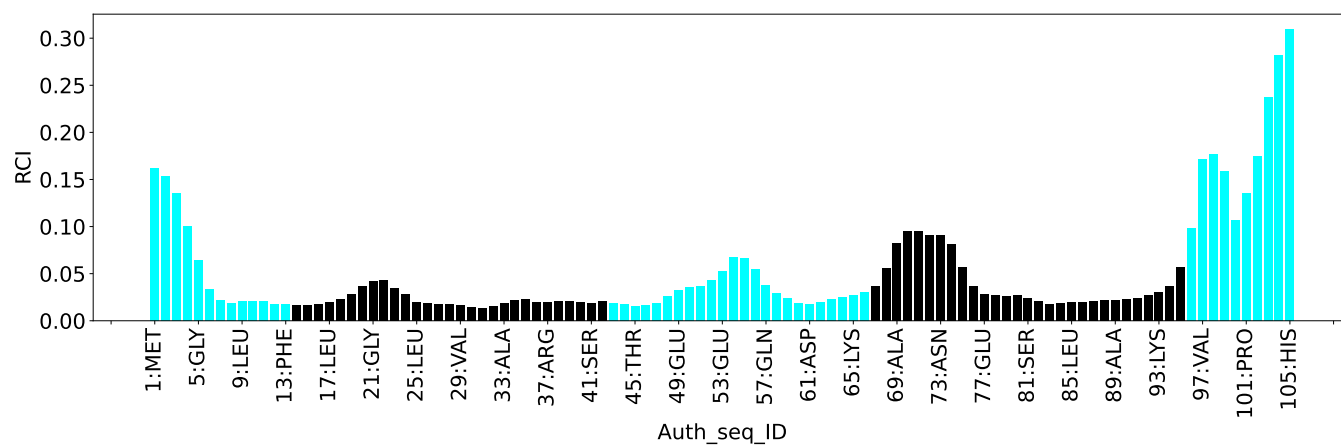
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	72	THR	HG1	4.66	0.08 – 2.19	16.7
1	A	44	THR	HG1	4.64	0.08 – 2.19	16.6

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

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

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	3931
Intra-residue ($ i-j =0$)	27
Sequential ($ i-j =1$)	1297
Medium range ($ i-j >1$ and $ i-j <5$)	2020
Long range ($ i-j \geq 5$)	421
Inter-chain	0
Hydrogen bond restraints	166
Disulfide bond restraints	0
Total dihedral-angle restraints	139
Number of unmapped restraints	0
Number of restraints per residue	37.3
Number of long range restraints per residue ¹	3.9

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	153.2	0.2
0.2-0.5 (Medium)	224.7	0.5
>0.5 (Large)	1108.9	3.79

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	5.0	6.0
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis ⓘ

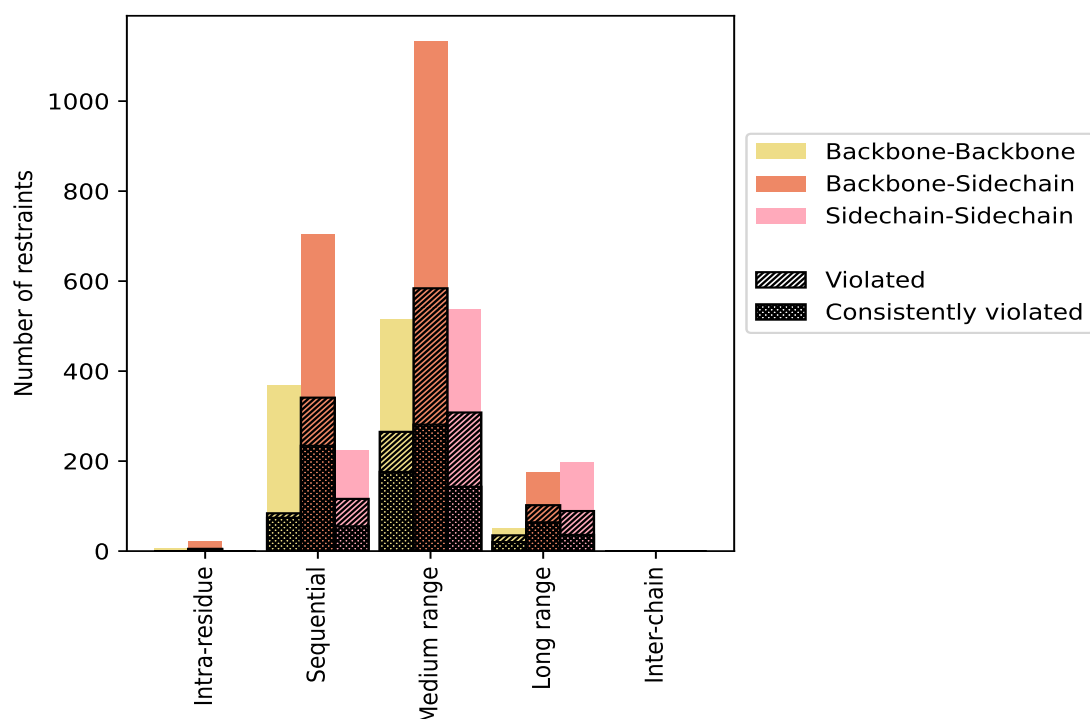
9.1 Summary of distance violations ⓘ

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

Restrains type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue ($i-j =0$)	27	0.7	5	18.5	0.1	4	14.8	0.1
Backbone-Backbone	5	0.1	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	22	0.6	5	22.7	0.1	4	18.2	0.1
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sequential ($i-j =1$)	1297	33.0	541	41.7	13.8	363	28.0	9.2
Backbone-Backbone	369	9.4	84	22.8	2.1	74	20.1	1.9
Backbone-Sidechain	704	17.9	341	48.4	8.7	234	33.2	6.0
Sidechain-Sidechain	224	5.7	116	51.8	3.0	55	24.6	1.4
Medium range ($i-j >1$ & $i-j <5$)	2020	51.4	1071	53.0	27.2	566	28.0	14.4
Backbone-Backbone	515	13.1	265	51.5	6.7	176	34.2	4.5
Backbone-Sidechain	967	24.6	498	51.5	12.7	247	25.5	6.3
Sidechain-Sidechain	538	13.7	308	57.2	7.8	143	26.6	3.6
Long range ($i-j \geq 5$)	421	10.7	226	53.7	5.7	120	28.5	3.1
Backbone-Backbone	50	1.3	35	70.0	0.9	20	40.0	0.5
Backbone-Sidechain	174	4.4	102	58.6	2.6	64	36.8	1.6
Sidechain-Sidechain	197	5.0	89	45.2	2.3	36	18.3	0.9
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	166	4.2	86	51.8	2.2	34	20.5	0.9
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	3931	100.0	1929	49.1	49.1	1087	27.7	27.7
Backbone-Backbone	939	23.9	384	40.9	9.8	270	28.8	6.9
Backbone-Sidechain	2033	51.7	1032	50.8	26.3	583	28.7	14.8
Sidechain-Sidechain	959	24.4	513	53.5	13.1	234	24.4	6.0

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

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



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

9.2 Distance violation statistics for each model [i](#)

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
1	5	465	821	176	0	1467	1.0	3.76	0.6	1.0
2	5	450	855	166	0	1476	1.01	2.97	0.59	1.01
3	5	463	857	183	0	1508	0.98	3.67	0.6	0.98
4	5	449	865	178	0	1497	1.0	3.7	0.6	1.0
5	5	448	879	174	0	1506	1.0	2.63	0.59	1.0
6	5	449	875	190	0	1519	1.0	3.67	0.6	1.0
7	5	452	860	179	0	1496	0.99	3.67	0.6	1.0
8	5	456	850	185	0	1496	1.0	2.69	0.59	1.01
9	5	464	852	183	0	1504	0.98	2.95	0.61	1.0
10	5	460	857	185	0	1507	1.0	2.72	0.6	1.01

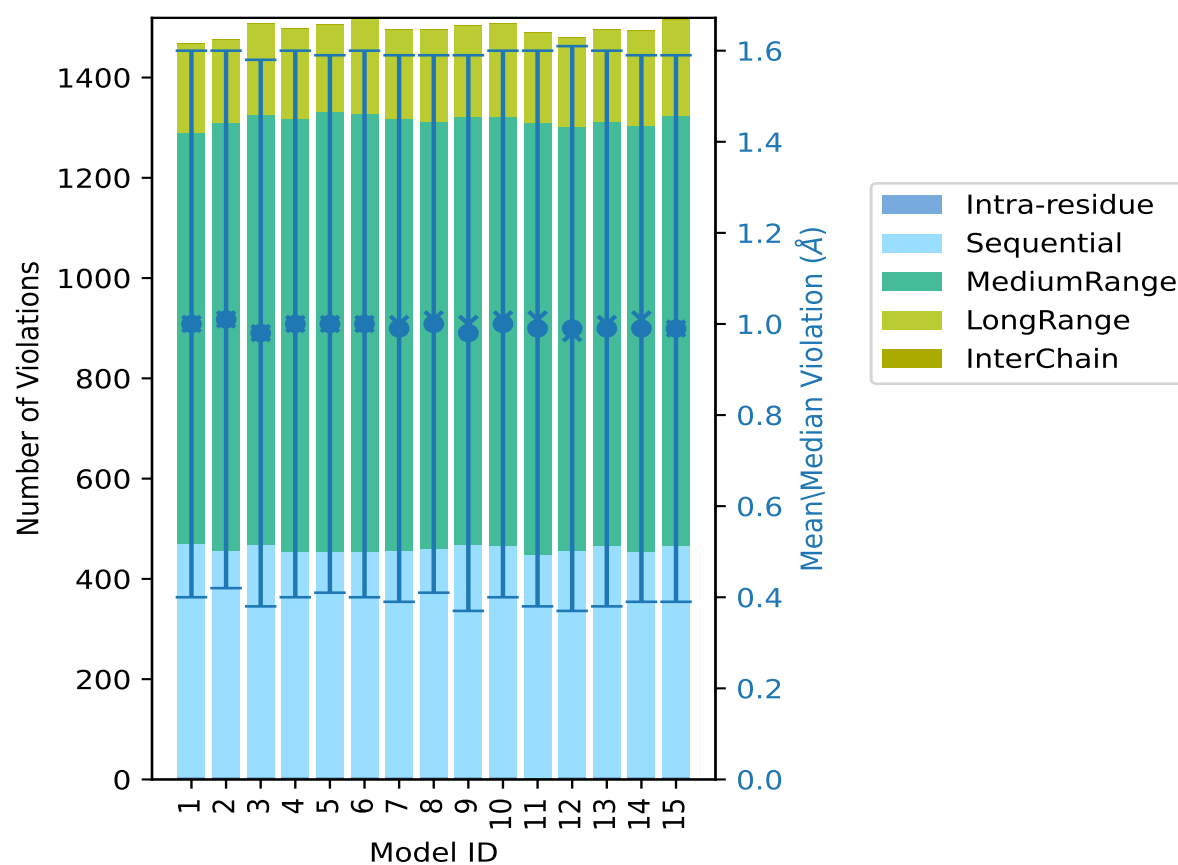
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	4	444	862	180	0	1490	0.99	2.7	0.61	1.01
12	5	451	845	179	0	1480	0.99	2.69	0.62	0.98
13	5	461	846	184	0	1496	0.99	3.74	0.61	1.0
14	5	450	850	188	0	1493	0.99	3.79	0.6	1.01
15	5	461	858	191	0	1515	0.99	2.98	0.6	0.99

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

9.2.1 Bar graph : Distance Violation statistics for each model [i](#)



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

9.3 Distance violation statistics for the ensemble

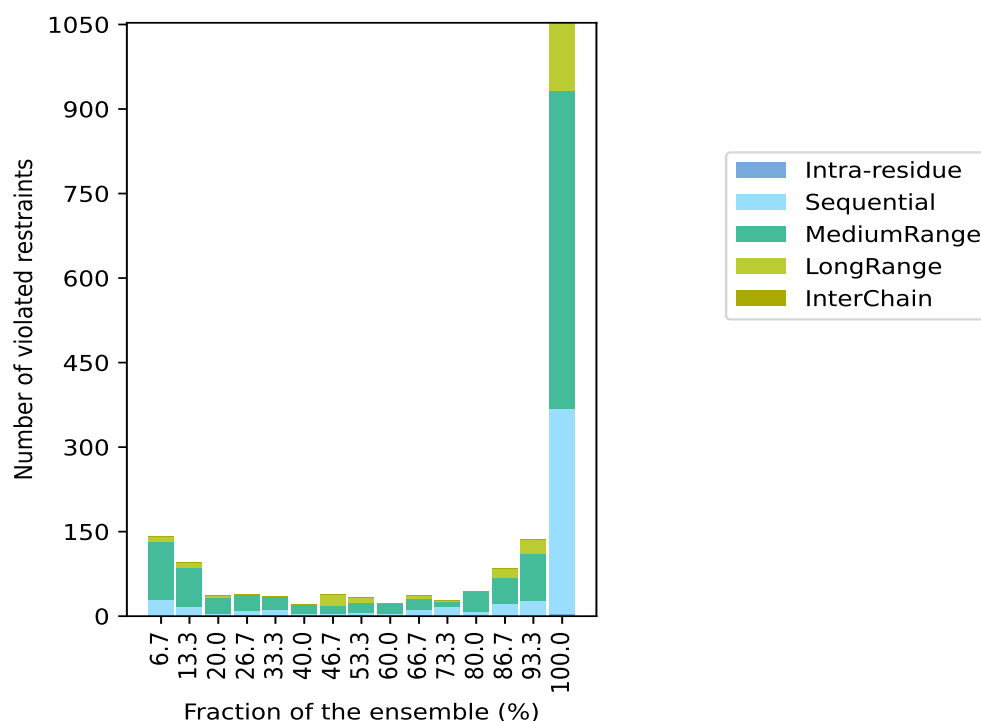
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 1922(IR:22, SQ:756, MR:949, LR:195, IC:0) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total	Count ⁶	%
0	30	102	10	0	142	1	6.7
0	17	69	10	0	96	2	13.3
0	5	27	5	0	37	3	20.0
0	10	28	1	0	39	4	26.7
0	11	24	0	0	35	5	33.3
0	5	15	0	0	20	6	40.0
0	5	13	20	0	38	7	46.7
0	6	17	10	0	33	8	53.3
0	5	17	0	0	22	9	60.0
0	11	19	7	0	37	10	66.7
0	16	10	1	0	27	11	73.3
0	8	35	0	0	43	12	80.0
0	22	46	17	0	85	13	86.7
1	27	83	25	0	136	14	93.3
4	363	566	120	0	1053	15	100.0

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

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

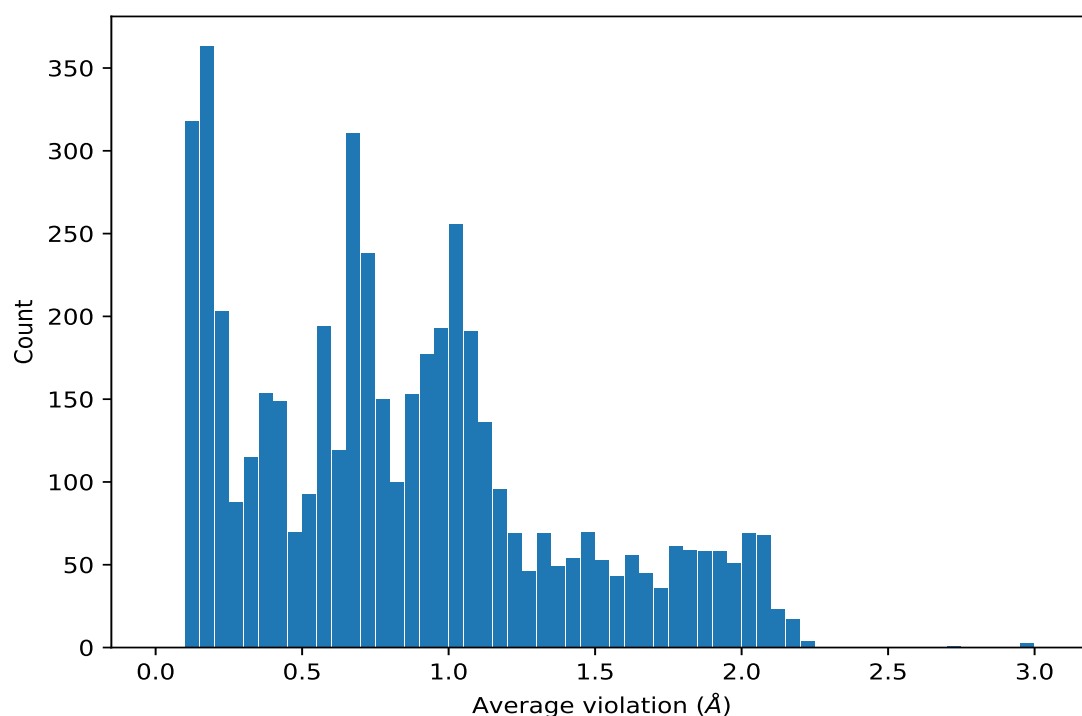
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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

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

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



9.4.2 Table: Most violated distance restraints [i](#)

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

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG21	15	2.97	0.77	2.98
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG22	15	2.97	0.77	2.98
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG23	15	2.97	0.77	2.98
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD11	15	2.21	0.13	2.18
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD12	15	2.21	0.13	2.18
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD13	15	2.21	0.13	2.18
(1,1455)	1:69:A:ALA:H	1:66:A:VAL:HB	15	2.21	0.05	2.2
(1,1754)	1:35:A:TRP:H	1:32:A:VAL:HB	15	2.19	0.01	2.2
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE1	15	2.18	0.21	2.14
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE2	15	2.18	0.21	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG11	15	2.18	0.04	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG12	15	2.18	0.04	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG13	15	2.18	0.04	2.14
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD1	15	2.17	0.2	2.06
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD2	15	2.17	0.2	2.06
(1,2126)	1:86:A:ARG:HG3	1:90:A:GLU:H	15	2.16	0.01	2.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG21	15	2.15	0.01	2.15
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG22	15	2.15	0.01	2.15
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG23	15	2.15	0.01	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG11	15	2.15	0.0	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG12	15	2.15	0.0	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG13	15	2.15	0.0	2.15
(1,1318)	1:25:A:LEU:HA	1:26:A:PRO:HG2	15	2.15	0.01	2.15
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG21	15	2.14	0.05	2.12
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG22	15	2.14	0.05	2.12
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG23	15	2.14	0.05	2.12
(1,1499)	1:85:A:LEU:H	1:86:A:ARG:HA	15	2.13	0.01	2.13
(1,1511)	1:90:A:GLU:H	1:86:A:ARG:H	15	2.13	0.01	2.13
(1,1749)	1:33:A:ALA:H	1:31:A:THR:H	15	2.13	0.01	2.13
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD11	15	2.13	0.01	2.12
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD12	15	2.13	0.01	2.12
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD13	15	2.13	0.01	2.12
(1,2142)	1:90:A:GLU:H	1:87:A:GLN:H	15	2.12	0.01	2.12
(1,1521)	1:93:A:LYS:H	1:90:A:GLU:H	15	2.12	0.03	2.11
(1,1559)	1:2:A:PHE:HD1	1:4:A:ILE:HB	15	2.11	0.07	2.13
(1,1559)	1:2:A:PHE:HD2	1:4:A:ILE:HB	15	2.11	0.07	2.13
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG11	15	2.11	0.26	2.17
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG12	15	2.11	0.26	2.17
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG13	15	2.11	0.26	2.17
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB2	15	2.1	0.02	2.1
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB3	15	2.1	0.02	2.1
(1,1914)	1:64:A:LYS:HA	1:66:A:VAL:H	15	2.1	0.13	2.14
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD11	15	2.1	0.04	2.09
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD12	15	2.1	0.04	2.09
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD13	15	2.1	0.04	2.09
(1,1389)	1:42:A:LEU:H	1:39:A:LEU:HG	15	2.09	0.02	2.1
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD21	15	2.09	0.02	2.1
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD22	15	2.09	0.02	2.1
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD23	15	2.09	0.02	2.1
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG2	15	2.09	0.03	2.08
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG3	15	2.09	0.03	2.08
(1,1610)	1:8:A:GLU:HB3	1:7:A:SER:HB2	15	2.09	0.07	2.13
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG21	15	2.08	0.03	2.08
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG22	15	2.08	0.03	2.08
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG23	15	2.08	0.03	2.08
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG21	15	2.08	0.03	2.08
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG22	15	2.08	0.03	2.08
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG23	15	2.08	0.03	2.08

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD11	15	2.08	0.03	2.07
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD12	15	2.08	0.03	2.07
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD13	15	2.08	0.03	2.07
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD11	15	2.07	0.02	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD12	15	2.07	0.02	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD13	15	2.07	0.02	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD21	15	2.07	0.02	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD22	15	2.07	0.02	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD23	15	2.07	0.02	2.08
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD21	15	2.07	0.06	2.03
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD22	15	2.07	0.06	2.03
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE1	15	2.07	0.04	2.06
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE2	15	2.07	0.04	2.06
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE3	15	2.07	0.04	2.06
(1,1952)	1:68:A:LYS:H	1:66:A:VAL:HA	15	2.07	0.19	2.09
(1,1784)	1:42:A:LEU:H	1:39:A:LEU:HB2	15	2.07	0.04	2.06
(1,1793)	1:43:A:ALA:H	1:41:A:SER:HA	15	2.06	0.03	2.06
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB2	15	2.06	0.05	2.06
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB3	15	2.06	0.05	2.06
(1,1438)	1:58:A:GLU:H	1:62:A:SER:H	15	2.06	0.1	2.09
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD11	15	2.06	0.06	2.04
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD12	15	2.06	0.06	2.04
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD13	15	2.06	0.06	2.04
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD21	15	2.06	0.06	2.04
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD22	15	2.06	0.06	2.04
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD23	15	2.06	0.06	2.04
(1,1381)	1:40:A:ARG:HB2	1:43:A:ALA:H	15	2.06	0.03	2.06
(1,1381)	1:40:A:ARG:HB3	1:43:A:ALA:H	15	2.06	0.03	2.06
(1,2121)	1:86:A:ARG:HA	1:88:A:ALA:H	15	2.06	0.01	2.06
(1,1601)	1:6:A:PHE:HA	1:9:A:LEU:HG	15	2.06	0.08	2.02
(1,1616)	1:8:A:GLU:H	1:10:A:LEU:H	15	2.06	0.03	2.05
(1,2152)	1:91:A:SER:HA	1:92:A:MET:HB3	15	2.06	0.02	2.06
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD21	15	2.06	0.05	2.08
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD22	15	2.06	0.05	2.08
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD23	15	2.06	0.05	2.08
(1,2153)	1:91:A:SER:HA	1:93:A:LYS:H	15	2.05	0.07	2.03
(1,1543)	1:1:A:MET:HE1	1:3:A:ASP:H	15	2.05	0.06	2.03
(1,1543)	1:1:A:MET:HE2	1:3:A:ASP:H	15	2.05	0.06	2.03
(1,1543)	1:1:A:MET:HE3	1:3:A:ASP:H	15	2.05	0.06	2.03
(1,1256)	1:10:A:LEU:HA	1:12:A:VAL:H	15	2.05	0.07	2.06
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG21	15	2.05	0.05	2.06
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG22	15	2.05	0.05	2.06

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG23	15	2.05	0.05	2.06
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD11	15	2.05	0.25	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD12	15	2.05	0.25	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD13	15	2.05	0.25	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD21	15	2.05	0.25	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD22	15	2.05	0.25	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD23	15	2.05	0.25	2.15
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE1	15	2.04	0.09	2.06
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE2	15	2.04	0.09	2.06
(1,1918)	1:65:A:LYS:H	1:62:A:SER:HB2	15	2.04	0.05	2.04
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG11	15	2.04	0.31	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG12	15	2.04	0.31	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG13	15	2.04	0.31	2.12
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD21	15	2.04	0.03	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD22	15	2.04	0.03	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD23	15	2.04	0.03	2.03
(1,1705)	1:22:A:PRO:HD3	1:24:A:ARG:H	15	2.04	0.06	2.02
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG21	15	2.04	0.06	2.05
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG22	15	2.04	0.06	2.05
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG23	15	2.04	0.06	2.05
(1,1740)	1:30:A:LYS:HG2	1:31:A:THR:H	15	2.04	0.02	2.03
(1,1498)	1:85:A:LEU:H	1:83:A:ASP:H	15	2.03	0.04	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD11	15	2.03	0.01	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD12	15	2.03	0.01	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD13	15	2.03	0.01	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD21	15	2.03	0.01	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD22	15	2.03	0.01	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD23	15	2.03	0.01	2.03
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG21	15	2.03	0.07	2.04
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG22	15	2.03	0.07	2.04
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG23	15	2.03	0.07	2.04
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG21	15	2.03	0.07	2.04
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG22	15	2.03	0.07	2.04
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG23	15	2.03	0.07	2.04
(1,1582)	1:4:A:ILE:HD11	1:6:A:PHE:H	15	2.03	0.18	1.92
(1,1582)	1:4:A:ILE:HD12	1:6:A:PHE:H	15	2.03	0.18	1.92
(1,1582)	1:4:A:ILE:HD13	1:6:A:PHE:H	15	2.03	0.18	1.92
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD11	15	2.03	0.02	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD12	15	2.03	0.02	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD13	15	2.03	0.02	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD21	15	2.03	0.02	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD22	15	2.03	0.02	2.04

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD23	15	2.03	0.02	2.04
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD1	15	2.03	0.07	2.02
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD2	15	2.03	0.07	2.02
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD1	15	2.03	0.07	2.02
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD2	15	2.03	0.07	2.02
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD1	15	2.03	0.07	2.02
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD2	15	2.03	0.07	2.02
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD1	15	2.03	0.07	2.02
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD2	15	2.03	0.07	2.02
(1,1505)	1:86:A:ARG:HB2	1:89:A:ALA:H	15	2.03	0.01	2.03
(1,1505)	1:86:A:ARG:HB3	1:89:A:ALA:H	15	2.03	0.01	2.03
(1,1904)	1:63:A:LEU:H	1:66:A:VAL:HB	15	2.02	0.13	2.06
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD2	15	2.02	0.01	2.02
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD3	15	2.02	0.01	2.02
(1,1618)	1:9:A:LEU:HA	1:12:A:VAL:HA	15	2.02	0.1	2.07
(1,1292)	1:17:A:LEU:H	1:14:A:ILE:HB	15	2.01	0.05	2.01
(1,1971)	1:71:A:LEU:H	1:67:A:GLU:HB2	15	2.01	0.17	2.06
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG21	15	2.01	0.06	2.03
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG22	15	2.01	0.06	2.03
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG23	15	2.01	0.06	2.03
(1,1554)	1:2:A:PHE:HB2	1:4:A:ILE:HA	15	2.01	0.11	2.03
(1,2087)	1:83:A:ASP:HA	1:86:A:ARG:HE	15	2.01	0.02	2.01
(1,1544)	1:1:A:MET:HA	1:3:A:ASP:H	15	2.01	0.07	2.01
(1,1507)	1:87:A:GLN:HB2	1:90:A:GLU:H	15	2.0	0.01	2.01
(1,1507)	1:87:A:GLN:HB3	1:90:A:GLU:H	15	2.0	0.01	2.01
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG21	15	2.0	0.02	1.99
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG22	15	2.0	0.02	1.99
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG23	15	2.0	0.02	1.99
(1,1518)	1:92:A:MET:HG3	1:91:A:SER:H	15	2.0	0.03	2.01
(1,1382)	1:41:A:SER:H	1:38:A:ALA:HA	15	2.0	0.05	2.01
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD2	15	2.0	0.03	2.0
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD3	15	2.0	0.03	2.0
(1,1390)	1:42:A:LEU:H	1:40:A:ARG:HA	15	1.99	0.02	2.0
(1,1294)	1:17:A:LEU:H	1:18:A:VAL:HB	15	1.99	0.04	1.98
(1,1497)	1:84:A:GLU:H	1:86:A:ARG:H	15	1.99	0.03	1.99
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG21	15	1.99	0.06	1.95
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG22	15	1.99	0.06	1.95
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG23	15	1.99	0.06	1.95
(1,1484)	1:78:A:LEU:HG	1:81:A:SER:HB2	15	1.99	0.02	2.0
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG11	15	1.99	0.22	2.03
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG12	15	1.99	0.22	2.03
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG13	15	1.99	0.22	2.03

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG11	15	1.99	0.08	2.01
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG12	15	1.99	0.08	2.01
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG13	15	1.99	0.08	2.01
(1,1735)	1:29:A:VAL:HA	1:32:A:VAL:H	15	1.98	0.04	1.99
(1,1728)	1:29:A:VAL:H	1:25:A:LEU:HA	15	1.98	0.09	1.99
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB1	15	1.98	0.03	1.98
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB2	15	1.98	0.03	1.98
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB3	15	1.98	0.03	1.98
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD11	15	1.98	0.15	2.08
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD12	15	1.98	0.15	2.08
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD13	15	1.98	0.15	2.08
(1,2148)	1:91:A:SER:HB2	1:87:A:GLN:HG2	15	1.97	0.03	1.99
(1,2148)	1:91:A:SER:HB3	1:87:A:GLN:HG2	15	1.97	0.03	1.99
(1,1513)	1:90:A:GLU:HG2	1:93:A:LYS:H	15	1.97	0.03	1.97
(1,1513)	1:90:A:GLU:HG3	1:93:A:LYS:H	15	1.97	0.03	1.97
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG21	15	1.97	0.14	1.89
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG22	15	1.97	0.14	1.89
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG23	15	1.97	0.14	1.89
(1,1333)	1:31:A:THR:HA	1:30:A:LYS:HG2	15	1.97	0.01	1.97
(1,2047)	1:79:A:LYS:H	1:80:A:ALA:HA	15	1.96	0.02	1.96
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG21	15	1.95	0.15	2.0
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG22	15	1.95	0.15	2.0
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG23	15	1.95	0.15	2.0
(1,1561)	1:2:A:PHE:H	1:4:A:ILE:H	15	1.95	0.27	2.03
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB2	15	1.95	0.24	2.05
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB3	15	1.95	0.24	2.05
(1,1572)	1:4:A:ILE:HD11	1:2:A:PHE:HA	15	1.95	0.02	1.94
(1,1572)	1:4:A:ILE:HD12	1:2:A:PHE:HA	15	1.95	0.02	1.94
(1,1572)	1:4:A:ILE:HD13	1:2:A:PHE:HA	15	1.95	0.02	1.94
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG21	15	1.95	0.28	1.96
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG22	15	1.95	0.28	1.96
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG23	15	1.95	0.28	1.96
(1,1789)	1:42:A:LEU:H	1:44:A:THR:H	15	1.95	0.09	1.96
(1,1469)	1:73:A:ASN:H	1:70:A:SER:H	15	1.95	0.25	1.96
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG11	15	1.95	0.47	2.07
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG12	15	1.95	0.47	2.07
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG13	15	1.95	0.47	2.07
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG11	15	1.95	0.47	2.07
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG12	15	1.95	0.47	2.07
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG13	15	1.95	0.47	2.07
(1,1509)	1:88:A:ALA:H	1:85:A:LEU:HG	15	1.95	0.01	1.95
(1,1467)	1:72:A:THR:HA	1:74:A:LEU:HB2	15	1.94	0.18	2.05

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG21	15	1.94	0.26	2.06
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG22	15	1.94	0.26	2.06
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG23	15	1.94	0.26	2.06
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG21	15	1.94	0.26	2.06
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG22	15	1.94	0.26	2.06
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG23	15	1.94	0.26	2.06
(1,1847)	1:73:A:ASN:H	1:71:A:LEU:H	15	1.94	0.08	1.95
(1,1538)	1:101:A:PRO:HG3	1:102:A:LEU:H	15	1.94	0.09	1.9
(1,1814)	1:45:A:THR:HB	1:48:A:ASN:H	15	1.93	0.08	1.9
(1,1249)	1:8:A:GLU:HB2	1:5:A:GLY:H	15	1.93	0.27	1.96
(1,1461)	1:70:A:SER:H	1:67:A:GLU:HB2	15	1.93	0.13	2.0
(1,1496)	1:84:A:GLU:HB2	1:85:A:LEU:HG	15	1.93	0.32	2.02
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD11	15	1.93	0.04	1.92
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD12	15	1.93	0.04	1.92
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD13	15	1.93	0.04	1.92
(1,1933)	1:65:A:LYS:H	1:68:A:LYS:H	15	1.93	0.08	1.93
(1,1320)	1:26:A:PRO:HA	1:30:A:LYS:HG3	15	1.92	0.03	1.92
(1,2242)	1:103:A:GLU:HG3	1:102:A:LEU:HA	15	1.92	0.22	2.01
(1,1486)	1:79:A:LYS:H	1:81:A:SER:H	15	1.92	0.09	1.94
(1,2104)	1:84:A:GLU:H	1:85:A:LEU:HB2	15	1.92	0.04	1.91
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG21	15	1.92	0.09	1.96
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG22	15	1.92	0.09	1.96
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG23	15	1.92	0.09	1.96
(1,1308)	1:20:A:LEU:HD11	1:17:A:LEU:HA	15	1.92	0.08	1.88
(1,1308)	1:20:A:LEU:HD12	1:17:A:LEU:HA	15	1.92	0.08	1.88
(1,1308)	1:20:A:LEU:HD13	1:17:A:LEU:HA	15	1.92	0.08	1.88
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB1	15	1.92	0.02	1.92
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB2	15	1.92	0.02	1.92
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB3	15	1.92	0.02	1.92
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB2	15	1.92	0.02	1.92
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB3	15	1.92	0.02	1.92
(1,2108)	1:85:A:LEU:H	1:82:A:MET:HB2	15	1.91	0.02	1.91
(1,1480)	1:75:A:THR:H	1:77:A:GLU:HB2	15	1.91	0.07	1.93
(1,1380)	1:40:A:ARG:H	1:41:A:SER:HA	15	1.91	0.03	1.9
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD21	15	1.91	0.02	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD22	15	1.91	0.02	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD23	15	1.91	0.02	1.91
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG11	15	1.91	0.37	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG12	15	1.91	0.37	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG13	15	1.91	0.37	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG11	15	1.91	0.37	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG12	15	1.91	0.37	2.02

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG13	15	1.91	0.37	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG11	15	1.91	0.37	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG12	15	1.91	0.37	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG13	15	1.91	0.37	2.02
(1,2175)	1:94:A:ARG:HG3	1:95:A:SER:H	15	1.91	0.13	1.96
(1,2128)	1:87:A:GLN:HG2	1:84:A:GLU:HA	15	1.9	0.06	1.92
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD21	15	1.9	0.07	1.87
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD22	15	1.9	0.07	1.87
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD23	15	1.9	0.07	1.87
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD1	15	1.9	0.22	1.96
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD2	15	1.9	0.22	1.96
(4,138)	1:56:A:LEU:O	1:60:A:GLN:N	15	1.9	0.15	1.9
(1,1942)	1:67:A:GLU:H	1:66:A:VAL:HB	15	1.9	0.03	1.9
(1,1995)	1:73:A:ASN:HA	1:72:A:THR:H	15	1.89	0.08	1.85
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG11	15	1.89	0.04	1.92
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG12	15	1.89	0.04	1.92
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG13	15	1.89	0.04	1.92
(1,2098)	1:84:A:GLU:HG3	1:83:A:ASP:H	15	1.89	0.36	1.98
(1,2098)	1:84:A:GLU:HG2	1:83:A:ASP:H	15	1.89	0.36	1.98
(1,2083)	1:83:A:ASP:HA	1:85:A:LEU:H	15	1.89	0.04	1.9
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG21	15	1.89	0.08	1.86
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG22	15	1.89	0.08	1.86
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG23	15	1.89	0.08	1.86
(1,1832)	1:48:A:ASN:HA	1:47:A:GLN:HG2	15	1.89	0.05	1.89
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD11	15	1.89	0.06	1.89
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD12	15	1.89	0.06	1.89
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD13	15	1.89	0.06	1.89
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG21	15	1.88	0.19	2.0
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG22	15	1.88	0.19	2.0
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG23	15	1.88	0.19	2.0
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB1	15	1.88	0.12	1.97
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB2	15	1.88	0.12	1.97
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB3	15	1.88	0.12	1.97
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG21	15	1.88	0.01	1.88
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG22	15	1.88	0.01	1.88
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG23	15	1.88	0.01	1.88
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG21	15	1.88	0.08	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG22	15	1.88	0.08	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG23	15	1.88	0.08	1.86
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE1	15	1.87	0.43	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE2	15	1.87	0.43	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE3	15	1.87	0.43	2.01

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG21	15	1.87	0.01	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG22	15	1.87	0.01	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG23	15	1.87	0.01	1.87
(1,1391)	1:42:A:LEU:HD11	1:45:A:THR:H	15	1.87	0.13	1.9
(1,1391)	1:42:A:LEU:HD12	1:45:A:THR:H	15	1.87	0.13	1.9
(1,1391)	1:42:A:LEU:HD13	1:45:A:THR:H	15	1.87	0.13	1.9
(1,1391)	1:42:A:LEU:HD21	1:45:A:THR:H	15	1.87	0.13	1.9
(1,1391)	1:42:A:LEU:HD22	1:45:A:THR:H	15	1.87	0.13	1.9
(1,1391)	1:42:A:LEU:HD23	1:45:A:THR:H	15	1.87	0.13	1.9
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD1	15	1.87	0.3	2.03
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD2	15	1.87	0.3	2.03
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD11	15	1.86	0.12	1.89
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD12	15	1.86	0.12	1.89
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD13	15	1.86	0.12	1.89
(1,1313)	1:21:A:GLY:H	1:20:A:LEU:HG	15	1.86	0.09	1.9
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB1	15	1.86	0.05	1.83
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB2	15	1.86	0.05	1.83
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB3	15	1.86	0.05	1.83
(1,1712)	1:25:A:LEU:H	1:23:A:GLN:H	15	1.86	0.12	1.9
(1,1311)	1:20:A:LEU:HD11	1:19:A:VAL:H	15	1.86	0.04	1.85
(1,1311)	1:20:A:LEU:HD12	1:19:A:VAL:H	15	1.86	0.04	1.85
(1,1311)	1:20:A:LEU:HD13	1:19:A:VAL:H	15	1.86	0.04	1.85
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG2	15	1.86	0.46	2.0
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG3	15	1.86	0.46	2.0
(1,1892)	1:62:A:SER:HA	1:63:A:LEU:HB2	15	1.86	0.07	1.87
(1,1422)	1:48:A:ASN:H	1:44:A:THR:HB	15	1.85	0.59	1.58
(1,2020)	1:76:A:PRO:HA	1:79:A:LYS:HB3	15	1.84	0.26	1.74
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB1	15	1.84	0.04	1.85
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB2	15	1.84	0.04	1.85
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB3	15	1.84	0.04	1.85
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG21	15	1.84	0.07	1.81
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG22	15	1.84	0.07	1.81
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG23	15	1.84	0.07	1.81
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG2	15	1.84	0.12	1.82
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG3	15	1.84	0.12	1.82
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD21	15	1.84	0.2	1.87
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD22	15	1.84	0.2	1.87
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD23	15	1.84	0.2	1.87
(1,2161)	1:93:A:LYS:HA	1:95:A:SER:H	15	1.84	0.05	1.86
(1,1729)	1:29:A:VAL:H	1:27:A:VAL:HA	15	1.84	0.07	1.84
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD11	15	1.84	0.05	1.83
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD12	15	1.84	0.05	1.83

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD13	15	1.84	0.05	1.83
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD11	15	1.83	0.09	1.8
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD12	15	1.83	0.09	1.8
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD13	15	1.83	0.09	1.8
(1,1881)	1:61:A:ASP:HB2	1:60:A:GLN:HA	15	1.83	0.16	1.87
(1,1573)	1:4:A:ILE:HA	1:3:A:ASP:HA	15	1.83	0.13	1.86
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB1	15	1.83	0.01	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB2	15	1.83	0.01	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB3	15	1.83	0.01	1.83
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE1	15	1.82	0.24	1.94
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE2	15	1.82	0.24	1.94
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE3	15	1.82	0.24	1.94
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE1	15	1.82	0.24	1.94
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE2	15	1.82	0.24	1.94
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE3	15	1.82	0.24	1.94
(1,1937)	1:66:A:VAL:HA	1:69:A:ALA:HA	15	1.82	0.17	1.9
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB2	15	1.82	0.09	1.83
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB3	15	1.82	0.09	1.83
(1,2149)	1:91:A:SER:H	1:88:A:ALA:HA	15	1.82	0.04	1.82
(1,1794)	1:43:A:ALA:H	1:41:A:SER:H	15	1.81	0.05	1.83
(1,1494)	1:84:A:GLU:HA	1:83:A:ASP:H	15	1.81	0.02	1.81
(1,1519)	1:93:A:LYS:H	1:89:A:ALA:H	15	1.81	0.04	1.81
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG2	15	1.81	0.2	1.88
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG3	15	1.81	0.2	1.88
(1,1831)	1:47:A:GLN:HG2	1:48:A:ASN:H	15	1.8	0.09	1.83
(1,1831)	1:47:A:GLN:HG3	1:48:A:ASN:H	15	1.8	0.09	1.83
(1,2115)	1:86:A:ARG:HB2	1:83:A:ASP:HB2	15	1.8	0.16	1.87
(1,2115)	1:86:A:ARG:HB3	1:83:A:ASP:HB2	15	1.8	0.16	1.87
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG21	15	1.8	0.09	1.82
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG22	15	1.8	0.09	1.82
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG23	15	1.8	0.09	1.82
(1,1441)	1:60:A:GLN:H	1:56:A:LEU:H	15	1.8	0.31	1.93
(1,1254)	1:10:A:LEU:H	1:9:A:LEU:HG	15	1.8	0.29	1.92
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB1	15	1.8	0.3	1.93
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB2	15	1.8	0.3	1.93
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB3	15	1.8	0.3	1.93
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD21	15	1.79	0.08	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD22	15	1.79	0.08	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD23	15	1.79	0.08	1.83
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG21	15	1.79	0.03	1.79
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG22	15	1.79	0.03	1.79
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG23	15	1.79	0.03	1.79

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG21	15	1.79	0.14	1.7
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG22	15	1.79	0.14	1.7
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG23	15	1.79	0.14	1.7
(1,1383)	1:41:A:SER:HA	1:42:A:LEU:HA	15	1.79	0.01	1.79
(1,1734)	1:29:A:VAL:H	1:31:A:THR:H	15	1.78	0.06	1.78
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB1	15	1.78	0.19	1.81
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB2	15	1.78	0.19	1.81
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB3	15	1.78	0.19	1.81
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB1	15	1.78	0.19	1.81
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB2	15	1.78	0.19	1.81
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB3	15	1.78	0.19	1.81
(1,1647)	1:13:A:PHE:HZ	1:17:A:LEU:HG	15	1.78	0.12	1.72
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG21	15	1.78	0.12	1.81
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG22	15	1.78	0.12	1.81
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG23	15	1.78	0.12	1.81
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG21	15	1.78	0.12	1.81
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG22	15	1.78	0.12	1.81
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG23	15	1.78	0.12	1.81
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG21	15	1.78	0.12	1.81
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG22	15	1.78	0.12	1.81
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG23	15	1.78	0.12	1.81
(1,1581)	1:4:A:ILE:HD11	1:5:A:GLY:H	15	1.78	0.21	1.86
(1,1581)	1:4:A:ILE:HD12	1:5:A:GLY:H	15	1.78	0.21	1.86
(1,1581)	1:4:A:ILE:HD13	1:5:A:GLY:H	15	1.78	0.21	1.86
(1,2082)	1:83:A:ASP:HA	1:82:A:MET:H	15	1.77	0.03	1.77
(1,1385)	1:41:A:SER:HA	1:44:A:THR:HB	15	1.77	0.44	2.03
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB2	15	1.77	0.09	1.75
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB3	15	1.77	0.09	1.75
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD21	15	1.77	0.22	1.69
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD22	15	1.77	0.22	1.69
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD23	15	1.77	0.22	1.69
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD21	15	1.77	0.22	1.69
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD22	15	1.77	0.22	1.69
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD23	15	1.77	0.22	1.69
(1,1948)	1:67:A:GLU:HG3	1:70:A:SER:HB2	15	1.77	0.35	1.96
(1,1713)	1:25:A:LEU:HA	1:24:A:ARG:H	15	1.76	0.02	1.77
(1,1539)	1:102:A:LEU:HB2	1:101:A:PRO:HA	15	1.76	0.32	1.78
(1,1699)	1:21:A:GLY:H	1:23:A:GLN:H	15	1.75	0.05	1.78
(1,1799)	1:43:A:ALA:HA	1:46:A:VAL:HB	15	1.75	0.56	1.88
(1,1890)	1:62:A:SER:H	1:60:A:GLN:H	15	1.75	0.18	1.73
(1,1959)	1:69:A:ALA:H	1:66:A:VAL:H	15	1.75	0.07	1.75
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD11	15	1.75	0.35	1.86

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD12	15	1.75	0.35	1.86
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD13	15	1.75	0.35	1.86
(1,2241)	1:103:A:GLU:HB2	1:102:A:LEU:HG	15	1.75	0.69	2.05
(1,2241)	1:103:A:GLU:HB3	1:102:A:LEU:HG	15	1.75	0.69	2.05
(1,1452)	1:67:A:GLU:HG2	1:68:A:LYS:H	15	1.75	0.08	1.77
(1,1452)	1:67:A:GLU:HG3	1:68:A:LYS:H	15	1.75	0.08	1.77
(1,1567)	1:3:A:ASP:HB2	1:4:A:ILE:HB	15	1.74	0.2	1.66
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE1	15	1.74	0.25	1.73
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE2	15	1.74	0.25	1.73
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE3	15	1.74	0.25	1.73
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB2	15	1.74	0.06	1.75
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB3	15	1.74	0.06	1.75
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB2	15	1.74	0.04	1.74
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB3	15	1.74	0.04	1.74
(1,1715)	1:25:A:LEU:HA	1:28:A:ALA:H	15	1.74	0.04	1.76
(1,2198)	1:96:A:TYR:H	1:100:A:ASP:H	15	1.73	0.58	2.04
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD11	15	1.72	0.07	1.71
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD12	15	1.72	0.07	1.71
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD13	15	1.72	0.07	1.71
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD11	15	1.72	0.07	1.71
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD12	15	1.72	0.07	1.71
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD13	15	1.72	0.07	1.71
(1,1322)	1:26:A:PRO:HA	1:30:A:LYS:HG2	15	1.72	0.12	1.74
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG21	15	1.72	0.03	1.73
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG22	15	1.72	0.03	1.73
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG23	15	1.72	0.03	1.73
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD11	15	1.71	0.08	1.69
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD12	15	1.71	0.08	1.69
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD13	15	1.71	0.08	1.69
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD1	15	1.71	0.19	1.79
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD2	15	1.71	0.19	1.79
(1,2138)	1:89:A:ALA:H	1:91:A:SER:H	15	1.7	0.05	1.73
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG2	15	1.7	0.21	1.62
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG3	15	1.7	0.21	1.62
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG2	15	1.69	0.03	1.69
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG3	15	1.69	0.03	1.69
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD21	15	1.69	0.21	1.76
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD22	15	1.69	0.21	1.76
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD23	15	1.69	0.21	1.76
(1,1666)	1:15:A:ILE:HG12	1:16:A:GLY:H	15	1.69	0.02	1.69
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG2	15	1.69	0.53	1.92
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG3	15	1.69	0.53	1.92

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1457)	1:69:A:ALA:H	1:70:A:SER:HA	15	1.68	0.06	1.66
(1,1426)	1:50:A:LEU:H	1:51:A:THR:HA	15	1.68	0.19	1.75
(1,1444)	1:63:A:LEU:HA	1:66:A:VAL:HB	15	1.68	0.09	1.68
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB1	15	1.67	0.03	1.67
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB2	15	1.67	0.03	1.67
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB3	15	1.67	0.03	1.67
(1,1687)	1:18:A:VAL:HB	1:19:A:VAL:H	15	1.67	0.07	1.7
(1,1689)	1:20:A:LEU:H	1:18:A:VAL:HA	15	1.67	0.11	1.64
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG2	15	1.67	0.39	1.64
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG3	15	1.67	0.39	1.64
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG2	15	1.67	0.39	1.64
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG3	15	1.67	0.39	1.64
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG2	15	1.67	0.39	1.64
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG3	15	1.67	0.39	1.64
(1,2162)	1:93:A:LYS:H	1:95:A:SER:H	15	1.67	0.04	1.67
(1,1997)	1:73:A:ASN:HB3	1:74:A:LEU:H	15	1.67	0.01	1.67
(1,1997)	1:73:A:ASN:HB2	1:74:A:LEU:H	15	1.67	0.01	1.67
(1,1620)	1:9:A:LEU:HA	1:12:A:VAL:H	15	1.66	0.06	1.68
(1,1806)	1:45:A:THR:H	1:44:A:THR:HB	15	1.66	0.22	1.66
(1,1631)	1:12:A:VAL:HB	1:11:A:LEU:H	15	1.66	0.04	1.66
(1,1676)	1:16:A:GLY:H	1:19:A:VAL:H	15	1.66	0.02	1.66
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG21	15	1.65	0.13	1.55
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG22	15	1.65	0.13	1.55
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG23	15	1.65	0.13	1.55
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD11	15	1.65	0.31	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD12	15	1.65	0.31	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD13	15	1.65	0.31	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD21	15	1.65	0.31	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD22	15	1.65	0.31	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD23	15	1.65	0.31	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD11	15	1.65	0.31	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD12	15	1.65	0.31	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD13	15	1.65	0.31	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD21	15	1.65	0.31	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD22	15	1.65	0.31	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD23	15	1.65	0.31	1.72
(1,1747)	1:32:A:VAL:HA	1:35:A:TRP:H	15	1.65	0.04	1.62
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG11	15	1.64	0.14	1.67
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG12	15	1.64	0.14	1.67
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG13	15	1.64	0.14	1.67
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB1	15	1.64	0.03	1.63
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB2	15	1.64	0.03	1.63

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB3	15	1.64	0.03	1.63
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG21	15	1.64	0.17	1.7
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG22	15	1.64	0.17	1.7
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG23	15	1.64	0.17	1.7
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB1	15	1.63	0.04	1.64
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB2	15	1.63	0.04	1.64
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB3	15	1.63	0.04	1.64
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG2	15	1.63	0.1	1.63
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG3	15	1.63	0.1	1.63
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG21	15	1.63	0.1	1.65
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG22	15	1.63	0.1	1.65
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG23	15	1.63	0.1	1.65
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG21	15	1.63	0.3	1.83
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG22	15	1.63	0.3	1.83
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG23	15	1.63	0.3	1.83
(1,1804)	1:45:A:THR:H	1:42:A:LEU:H	15	1.62	0.04	1.62
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG21	15	1.62	0.33	1.82
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG22	15	1.62	0.33	1.82
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG23	15	1.62	0.33	1.82
(1,1577)	1:4:A:ILE:HG13	1:4:A:ILE:H	15	1.62	0.57	1.9
(1,1922)	1:65:A:LYS:H	1:63:A:LEU:HA	15	1.62	0.07	1.62
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD11	15	1.62	0.02	1.62
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD12	15	1.62	0.02	1.62
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD13	15	1.62	0.02	1.62
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD21	15	1.62	0.02	1.62
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD22	15	1.62	0.02	1.62
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD23	15	1.62	0.02	1.62
(1,1953)	1:68:A:LYS:HG3	1:67:A:GLU:HB2	15	1.62	0.48	1.84
(1,1569)	1:3:A:ASP:H	1:5:A:GLY:H	15	1.62	0.22	1.59
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD21	15	1.62	0.25	1.74
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD22	15	1.62	0.25	1.74
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD23	15	1.62	0.25	1.74
(1,1500)	1:85:A:LEU:HB2	1:88:A:ALA:H	15	1.61	0.01	1.61
(1,1500)	1:85:A:LEU:HB3	1:88:A:ALA:H	15	1.61	0.01	1.61
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG21	15	1.61	0.81	2.25
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG22	15	1.61	0.81	2.25
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG23	15	1.61	0.81	2.25
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB1	15	1.61	0.02	1.6
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB2	15	1.61	0.02	1.6
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB3	15	1.61	0.02	1.6
(1,1352)	1:35:A:TRP:HE3	1:32:A:VAL:HA	15	1.61	0.1	1.56
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD21	15	1.6	0.32	1.47

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD22	15	1.6	0.32	1.47
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD23	15	1.6	0.32	1.47
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD11	15	1.6	0.05	1.57
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD12	15	1.6	0.05	1.57
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD13	15	1.6	0.05	1.57
(1,1780)	1:40:A:ARG:H	1:42:A:LEU:H	15	1.59	0.09	1.57
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD11	15	1.59	0.02	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD12	15	1.59	0.02	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD13	15	1.59	0.02	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD21	15	1.59	0.02	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD22	15	1.59	0.02	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD23	15	1.59	0.02	1.58
(1,1448)	1:65:A:LYS:HA	1:67:A:GLU:H	15	1.59	0.07	1.61
(1,1488)	1:80:A:ALA:H	1:83:A:ASP:H	15	1.59	0.08	1.57
(1,1512)	1:90:A:GLU:H	1:88:A:ALA:H	15	1.59	0.01	1.59
(1,1420)	1:48:A:ASN:H	1:44:A:THR:H	15	1.58	0.26	1.61
(1,1743)	1:31:A:THR:HA	1:34:A:GLY:H	15	1.58	0.03	1.56
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB1	15	1.58	0.02	1.58
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB2	15	1.58	0.02	1.58
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB3	15	1.58	0.02	1.58
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG2	15	1.57	0.31	1.5
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG3	15	1.57	0.31	1.5
(1,1966)	1:70:A:SER:HA	1:72:A:THR:H	15	1.57	0.21	1.47
(1,1982)	1:73:A:ASN:HD21	1:69:A:ALA:HA	15	1.57	0.06	1.53
(1,1982)	1:73:A:ASN:HD22	1:69:A:ALA:HA	15	1.57	0.06	1.53
(1,1744)	1:32:A:VAL:HA	1:33:A:ALA:H	15	1.57	0.0	1.57
(1,1798)	1:43:A:ALA:HA	1:44:A:THR:H	15	1.57	0.01	1.57
(1,2201)	1:97:A:VAL:H	1:94:A:ARG:HA	15	1.56	0.17	1.57
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD11	15	1.56	0.14	1.55
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD12	15	1.56	0.14	1.55
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD13	15	1.56	0.14	1.55
(1,2059)	1:81:A:SER:HA	1:82:A:MET:H	15	1.56	0.01	1.56
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD11	15	1.55	0.7	1.96
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD12	15	1.55	0.7	1.96
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD13	15	1.55	0.7	1.96
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD11	15	1.55	0.7	1.96
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD12	15	1.55	0.7	1.96
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD13	15	1.55	0.7	1.96
(1,1928)	1:65:A:LYS:HA	1:66:A:VAL:H	15	1.55	0.02	1.56
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD11	15	1.55	0.02	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD12	15	1.55	0.02	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD13	15	1.55	0.02	1.53

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1756)	1:35:A:TRP:H	1:36:A:ILE:HA	15	1.55	0.01	1.55
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB1	15	1.55	0.03	1.54
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB2	15	1.55	0.03	1.54
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB3	15	1.55	0.03	1.54
(1,893)	1:65:A:LYS:HB2	1:68:A:LYS:H	15	1.55	0.14	1.57
(1,2025)	1:77:A:GLU:HA	1:76:A:PRO:HB2	15	1.55	0.02	1.55
(1,1595)	1:6:A:PHE:HB2	1:7:A:SER:H	15	1.54	0.14	1.6
(1,1402)	1:45:A:THR:H	1:41:A:SER:HA	15	1.54	0.07	1.53
(1,1613)	1:8:A:GLU:HB2	1:7:A:SER:H	15	1.54	0.1	1.53
(1,1883)	1:61:A:ASP:HB2	1:62:A:SER:HA	15	1.53	0.12	1.58
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD11	15	1.53	0.01	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD12	15	1.53	0.01	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD13	15	1.53	0.01	1.53
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG11	15	1.53	0.19	1.54
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG12	15	1.53	0.19	1.54
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG13	15	1.53	0.19	1.54
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE1	15	1.53	0.06	1.53
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE2	15	1.53	0.06	1.53
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE3	15	1.53	0.06	1.53
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD1	15	1.52	0.1	1.51
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD2	15	1.52	0.1	1.51
(1,2084)	1:83:A:ASP:HA	1:86:A:ARG:HA	15	1.52	0.05	1.54
(1,1540)	1:103:A:GLU:H	1:101:A:PRO:HA	15	1.52	0.42	1.48
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG11	15	1.51	0.61	1.28
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG12	15	1.51	0.61	1.28
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG13	15	1.51	0.61	1.28
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD21	15	1.51	0.37	1.39
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD22	15	1.51	0.37	1.39
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD23	15	1.51	0.37	1.39
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD11	15	1.51	0.17	1.46
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD12	15	1.51	0.17	1.46
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD13	15	1.51	0.17	1.46
(1,1899)	1:63:A:LEU:HB2	1:62:A:SER:HB2	15	1.51	0.43	1.62
(1,1468)	1:73:A:ASN:H	1:70:A:SER:HA	15	1.51	0.39	1.67
(1,1580)	1:4:A:ILE:H	1:5:A:GLY:H	15	1.5	0.37	1.56
(1,1865)	1:55:A:LYS:HG2	1:56:A:LEU:H	15	1.5	0.4	1.68
(1,1865)	1:55:A:LYS:HG3	1:56:A:LEU:H	15	1.5	0.4	1.68
(1,2030)	1:77:A:GLU:HA	1:79:A:LYS:H	15	1.5	0.13	1.42
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB1	15	1.49	0.23	1.5
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB2	15	1.49	0.23	1.5
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB3	15	1.49	0.23	1.5
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG3	15	1.49	0.05	1.5

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG2	15	1.49	0.05	1.5
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG21	15	1.49	0.06	1.45
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG22	15	1.49	0.06	1.45
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG23	15	1.49	0.06	1.45
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG11	15	1.49	0.39	1.24
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG12	15	1.49	0.39	1.24
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG13	15	1.49	0.39	1.24
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD11	15	1.48	0.29	1.42
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD12	15	1.48	0.29	1.42
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD13	15	1.48	0.29	1.42
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD21	15	1.48	0.29	1.42
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD22	15	1.48	0.29	1.42
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD23	15	1.48	0.29	1.42
(1,1809)	1:45:A:THR:HA	1:46:A:VAL:H	15	1.48	0.01	1.48
(1,1281)	1:15:A:ILE:HA	1:11:A:LEU:HG	15	1.48	0.17	1.48
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD11	15	1.48	0.19	1.39
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD12	15	1.48	0.19	1.39
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD13	15	1.48	0.19	1.39
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD21	15	1.48	0.19	1.39
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD22	15	1.48	0.19	1.39
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD23	15	1.48	0.19	1.39
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG21	15	1.48	0.09	1.47
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG22	15	1.48	0.09	1.47
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG23	15	1.48	0.09	1.47
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB1	15	1.48	0.11	1.5
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB2	15	1.48	0.11	1.5
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB3	15	1.48	0.11	1.5
(1,1425)	1:48:A:ASN:HA	1:51:A:THR:H	15	1.48	0.29	1.59
(1,2211)	1:97:A:VAL:H	1:100:A:ASP:H	15	1.48	0.54	1.64
(1,1830)	1:47:A:GLN:HA	1:48:A:ASN:H	15	1.47	0.05	1.48
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD11	15	1.47	0.43	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD12	15	1.47	0.43	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD13	15	1.47	0.43	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD21	15	1.47	0.43	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD22	15	1.47	0.43	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD23	15	1.47	0.43	1.66
(1,1833)	1:48:A:ASN:HA	1:49:A:GLU:HB2	15	1.47	0.17	1.47
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD2	15	1.46	0.07	1.42
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD3	15	1.46	0.07	1.42
(1,2041)	1:79:A:LYS:H	1:75:A:THR:H	15	1.46	0.07	1.48
(1,2131)	1:87:A:GLN:HG2	1:88:A:ALA:H	15	1.46	0.04	1.46
(1,2131)	1:87:A:GLN:HG3	1:88:A:ALA:H	15	1.46	0.04	1.46

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD11	15	1.46	0.03	1.45
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD12	15	1.46	0.03	1.45
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD13	15	1.46	0.03	1.45
(1,1910)	1:64:A:LYS:H	1:62:A:SER:H	15	1.46	0.11	1.45
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB2	15	1.46	0.37	1.27
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	15	1.46	0.37	1.27
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB2	15	1.46	0.37	1.27
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	15	1.46	0.37	1.27
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB2	15	1.46	0.37	1.27
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	15	1.46	0.37	1.27
(1,2075)	1:82:A:MET:HA	1:86:A:ARG:H	15	1.45	0.04	1.44
(1,1510)	1:88:A:ALA:H	1:86:A:ARG:H	15	1.45	0.02	1.45
(1,1898)	1:63:A:LEU:H	1:61:A:ASP:H	15	1.45	0.21	1.44
(1,2010)	1:75:A:THR:H	1:78:A:LEU:H	15	1.45	0.32	1.67
(1,1552)	1:2:A:PHE:H	1:3:A:ASP:HB2	15	1.45	0.19	1.45
(1,1864)	1:55:A:LYS:H	1:54:A:LEU:HB2	15	1.45	0.22	1.41
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB2	15	1.44	0.4	1.47
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB3	15	1.44	0.4	1.47
(1,2168)	1:94:A:ARG:H	1:92:A:MET:HA	15	1.44	0.06	1.45
(1,1304)	1:19:A:VAL:H	1:15:A:ILE:H	15	1.44	0.02	1.44
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE1	15	1.44	0.22	1.47
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE2	15	1.44	0.22	1.47
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE1	15	1.44	0.52	1.14
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE2	15	1.44	0.52	1.14
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE3	15	1.44	0.52	1.14
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE1	15	1.44	0.52	1.14
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE2	15	1.44	0.52	1.14
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE3	15	1.44	0.52	1.14
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB1	15	1.44	0.43	1.54
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB2	15	1.44	0.43	1.54
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB3	15	1.44	0.43	1.54
(1,2186)	1:96:A:TYR:HA	1:95:A:SER:H	15	1.44	0.02	1.43
(1,1432)	1:56:A:LEU:HB2	1:60:A:GLN:HB2	15	1.43	0.55	1.52
(1,2232)	1:101:A:PRO:HA	1:102:A:LEU:HG	15	1.43	0.54	1.24
(1,1838)	1:50:A:LEU:HA	1:51:A:THR:H	15	1.43	0.08	1.45
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG2	15	1.43	0.29	1.4
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG3	15	1.43	0.29	1.4
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD11	15	1.43	0.04	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD12	15	1.43	0.04	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD13	15	1.43	0.04	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD21	15	1.43	0.04	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD22	15	1.43	0.04	1.43

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD23	15	1.43	0.04	1.43
(1,2160)	1:93:A:LYS:HA	1:94:A:ARG:H	15	1.42	0.03	1.43
(1,2213)	1:98:A:ALA:H	1:97:A:VAL:HB	15	1.42	0.47	1.75
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD11	15	1.42	0.02	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD12	15	1.42	0.02	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD13	15	1.42	0.02	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD21	15	1.42	0.02	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD22	15	1.42	0.02	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD23	15	1.42	0.02	1.41
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB2	15	1.42	0.2	1.5
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB3	15	1.42	0.2	1.5
(1,1409)	1:46:A:VAL:H	1:44:A:THR:HB	15	1.42	0.11	1.37
(1,1900)	1:63:A:LEU:HG	1:62:A:SER:HB3	15	1.41	0.55	1.59
(1,1827)	1:47:A:GLN:HA	1:46:A:VAL:HB	15	1.41	0.4	1.73
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG21	15	1.41	0.11	1.37
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG22	15	1.41	0.11	1.37
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG23	15	1.41	0.11	1.37
(1,1824)	1:46:A:VAL:H	1:48:A:ASN:H	15	1.41	0.13	1.41
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG21	15	1.41	0.17	1.46
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG22	15	1.41	0.17	1.46
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG23	15	1.41	0.17	1.46
(1,2014)	1:76:A:PRO:HG2	1:75:A:THR:HA	15	1.41	0.03	1.38
(1,2014)	1:76:A:PRO:HG3	1:75:A:THR:HA	15	1.41	0.03	1.38
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD1	15	1.4	0.34	1.47
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD2	15	1.4	0.34	1.47
(1,2028)	1:77:A:GLU:HG3	1:78:A:LEU:H	15	1.39	0.19	1.35
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG21	15	1.39	0.16	1.41
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG22	15	1.39	0.16	1.41
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG23	15	1.39	0.16	1.41
(1,1932)	1:65:A:LYS:HA	1:68:A:LYS:H	15	1.39	0.1	1.41
(1,1813)	1:45:A:THR:H	1:47:A:GLN:H	15	1.39	0.06	1.4
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG21	15	1.39	0.18	1.31
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG22	15	1.39	0.18	1.31
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG23	15	1.39	0.18	1.31
(1,1603)	1:6:A:PHE:HA	1:10:A:LEU:H	15	1.38	0.41	1.62
(1,1407)	1:45:A:THR:HA	1:47:A:GLN:H	15	1.38	0.06	1.37
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG2	15	1.38	0.3	1.55
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG3	15	1.38	0.3	1.55
(1,2113)	1:85:A:LEU:HB3	1:89:A:ALA:H	15	1.37	0.03	1.38
(1,2026)	1:77:A:GLU:HG2	1:78:A:LEU:H	15	1.37	0.16	1.31
(1,1896)	1:63:A:LEU:H	1:60:A:GLN:HA	15	1.37	0.08	1.36
(1,2037)	1:78:A:LEU:HA	1:79:A:LYS:HA	15	1.37	0.01	1.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB2	15	1.37	0.1	1.34
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB3	15	1.37	0.1	1.34
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB2	15	1.36	0.03	1.36
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB3	15	1.36	0.03	1.36
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG11	15	1.36	0.11	1.33
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG12	15	1.36	0.11	1.33
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG13	15	1.36	0.11	1.33
(1,2237)	1:102:A:LEU:H	1:103:A:GLU:HA	15	1.36	0.29	1.32
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD11	15	1.36	0.2	1.43
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD12	15	1.36	0.2	1.43
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD13	15	1.36	0.2	1.43
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE2	15	1.36	0.46	1.44
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE3	15	1.36	0.46	1.44
(1,2194)	1:96:A:TYR:HB2	1:97:A:VAL:H	15	1.36	0.1	1.33
(1,1885)	1:61:A:ASP:H	1:62:A:SER:HB3	15	1.36	0.48	1.06
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB2	15	1.36	0.28	1.53
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB3	15	1.36	0.28	1.53
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB2	15	1.35	0.17	1.4
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB3	15	1.35	0.17	1.4
(1,1412)	1:47:A:GLN:H	1:43:A:ALA:HA	15	1.35	0.16	1.37
(1,1977)	1:71:A:LEU:HB3	1:72:A:THR:H	15	1.35	0.4	1.58
(1,2039)	1:78:A:LEU:HA	1:81:A:SER:H	15	1.35	0.04	1.35
(1,1840)	1:51:A:THR:HA	1:50:A:LEU:HA	15	1.35	0.07	1.35
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG21	15	1.34	0.53	1.38
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG22	15	1.34	0.53	1.38
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG23	15	1.34	0.53	1.38
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB1	15	1.34	0.11	1.32
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB2	15	1.34	0.11	1.32
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB3	15	1.34	0.11	1.32
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB1	15	1.34	0.11	1.32
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB2	15	1.34	0.11	1.32
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB3	15	1.34	0.11	1.32
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB1	15	1.34	0.11	1.32
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB2	15	1.34	0.11	1.32
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB3	15	1.34	0.11	1.32
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG21	15	1.34	0.68	1.63
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG22	15	1.34	0.68	1.63
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG23	15	1.34	0.68	1.63
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG21	15	1.34	0.68	1.63
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG22	15	1.34	0.68	1.63
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG23	15	1.34	0.68	1.63
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD1	15	1.34	0.17	1.33

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD2	15	1.34	0.17	1.33
(1,1912)	1:64:A:LYS:H	1:63:A:LEU:HG	15	1.34	0.14	1.34
(1,1546)	1:2:A:PHE:HD1	1:1:A:MET:HA	15	1.34	0.22	1.42
(1,1546)	1:2:A:PHE:HD2	1:1:A:MET:HA	15	1.34	0.22	1.42
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD1	15	1.33	0.42	1.43
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD2	15	1.33	0.42	1.43
(1,2233)	1:101:A:PRO:HB2	1:102:A:LEU:H	15	1.33	0.06	1.31
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB1	15	1.33	0.01	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB2	15	1.33	0.01	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB3	15	1.33	0.01	1.33
(1,1534)	1:97:A:VAL:H	1:98:A:ALA:HA	15	1.33	0.19	1.32
(1,1662)	1:15:A:ILE:HG13	1:12:A:VAL:HA	15	1.33	0.1	1.36
(1,1920)	1:65:A:LYS:H	1:63:A:LEU:H	15	1.33	0.08	1.34
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD11	15	1.32	0.54	0.85
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD12	15	1.32	0.54	0.85
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD13	15	1.32	0.54	0.85
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG21	15	1.32	0.11	1.29
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG22	15	1.32	0.11	1.29
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG23	15	1.32	0.11	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG21	15	1.32	0.11	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG22	15	1.32	0.11	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG23	15	1.32	0.11	1.29
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG11	15	1.32	0.11	1.29
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG12	15	1.32	0.11	1.29
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG13	15	1.32	0.11	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG11	15	1.32	0.11	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG12	15	1.32	0.11	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG13	15	1.32	0.11	1.29
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG21	15	1.32	0.03	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG22	15	1.32	0.03	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG23	15	1.32	0.03	1.33
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD2	15	1.32	0.58	1.29
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD3	15	1.32	0.58	1.29
(1,1396)	1:44:A:THR:H	1:42:A:LEU:HA	15	1.31	0.08	1.33
(1,1350)	1:35:A:TRP:HZ3	1:32:A:VAL:HA	15	1.31	0.12	1.26
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB2	15	1.31	0.29	1.48
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB3	15	1.31	0.29	1.48
(1,2216)	1:98:A:ALA:HA	1:100:A:ASP:H	15	1.31	0.53	1.1
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG21	15	1.31	0.38	1.52
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG22	15	1.31	0.38	1.52
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG23	15	1.31	0.38	1.52
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG21	15	1.31	0.24	1.37

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG22	15	1.31	0.24	1.37
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG23	15	1.31	0.24	1.37
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG21	15	1.31	0.24	1.37
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG22	15	1.31	0.24	1.37
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG23	15	1.31	0.24	1.37
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB2	15	1.3	0.07	1.31
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB3	15	1.3	0.07	1.31
(1,2072)	1:82:A:MET:HA	1:85:A:LEU:HB3	15	1.3	0.04	1.3
(1,2127)	1:87:A:GLN:HE21	1:83:A:ASP:HB3	15	1.29	0.45	1.23
(1,1447)	1:65:A:LYS:H	1:66:A:VAL:HB	15	1.29	0.1	1.32
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB1	15	1.29	0.54	1.17
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB2	15	1.29	0.54	1.17
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB3	15	1.29	0.54	1.17
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB1	15	1.29	0.54	1.17
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB2	15	1.29	0.54	1.17
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB3	15	1.29	0.54	1.17
(1,1674)	1:16:A:GLY:H	1:17:A:LEU:HA	15	1.29	0.03	1.3
(1,2068)	1:82:A:MET:H	1:79:A:LYS:HA	15	1.29	0.02	1.29
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG11	15	1.28	0.13	1.24
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG12	15	1.28	0.13	1.24
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG13	15	1.28	0.13	1.24
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD21	15	1.28	0.17	1.26
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD22	15	1.28	0.17	1.26
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD23	15	1.28	0.17	1.26
(1,2146)	1:90:A:GLU:HG3	1:91:A:SER:H	15	1.28	0.02	1.27
(1,2146)	1:90:A:GLU:HG2	1:91:A:SER:H	15	1.28	0.02	1.27
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB1	15	1.28	0.02	1.28
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB2	15	1.28	0.02	1.28
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB3	15	1.28	0.02	1.28
(1,1403)	1:45:A:THR:HB	1:41:A:SER:HA	15	1.28	0.14	1.23
(1,2164)	1:93:A:LYS:HG3	1:97:A:VAL:HB	15	1.26	0.44	1.32
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE2	15	1.26	0.71	0.91
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE3	15	1.26	0.71	0.91
(1,2137)	1:89:A:ALA:HA	1:91:A:SER:H	15	1.25	0.06	1.29
(1,1906)	1:63:A:LEU:HA	1:66:A:VAL:H	15	1.25	0.03	1.26
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG21	15	1.25	0.27	1.18
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG22	15	1.25	0.27	1.18
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG23	15	1.25	0.27	1.18
(1,1947)	1:67:A:GLU:HG2	1:68:A:LYS:H	15	1.25	0.08	1.27
(1,1947)	1:67:A:GLU:HG3	1:68:A:LYS:H	15	1.25	0.08	1.27
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD1	15	1.24	0.21	1.29
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD2	15	1.24	0.21	1.29

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD1	15	1.24	0.21	1.29
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD2	15	1.24	0.21	1.29
(1,2045)	1:79:A:LYS:H	1:78:A:LEU:HG	15	1.24	0.05	1.27
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD21	15	1.24	0.08	1.23
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD22	15	1.24	0.08	1.23
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD23	15	1.24	0.08	1.23
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD11	15	1.24	0.08	1.23
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD12	15	1.24	0.08	1.23
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD13	15	1.24	0.08	1.23
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG21	15	1.23	0.14	1.2
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG22	15	1.23	0.14	1.2
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG23	15	1.23	0.14	1.2
(1,2107)	1:84:A:GLU:HA	1:87:A:GLN:H	15	1.23	0.02	1.23
(1,1642)	1:13:A:PHE:HA	1:14:A:ILE:HA	15	1.23	0.04	1.21
(1,2245)	1:103:A:GLU:H	1:102:A:LEU:HB2	15	1.23	0.52	1.3
(1,1625)	1:10:A:LEU:HA	1:13:A:PHE:H	15	1.23	0.05	1.25
(1,1325)	1:27:A:VAL:HB	1:24:A:ARG:HG2	15	1.23	0.04	1.22
(1,1470)	1:73:A:ASN:HB2	1:72:A:THR:H	15	1.22	0.16	1.13
(1,1470)	1:73:A:ASN:HB3	1:72:A:THR:H	15	1.22	0.16	1.13
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG21	15	1.22	0.59	1.67
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG22	15	1.22	0.59	1.67
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG23	15	1.22	0.59	1.67
(1,1748)	1:33:A:ALA:H	1:30:A:LYS:HA	15	1.22	0.01	1.23
(1,2125)	1:86:A:ARG:HA	1:90:A:GLU:H	15	1.22	0.02	1.22
(1,1414)	1:47:A:GLN:H	1:44:A:THR:HB	15	1.21	0.25	1.05
(1,1639)	1:13:A:PHE:HB2	1:12:A:VAL:HA	15	1.21	0.01	1.22
(1,1639)	1:13:A:PHE:HB3	1:12:A:VAL:HA	15	1.21	0.01	1.22
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD11	15	1.21	0.07	1.25
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD12	15	1.21	0.07	1.25
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD13	15	1.21	0.07	1.25
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD21	15	1.21	0.07	1.25
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD22	15	1.21	0.07	1.25
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD23	15	1.21	0.07	1.25
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE21	15	1.21	0.51	1.18
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE22	15	1.21	0.51	1.18
(1,1598)	1:6:A:PHE:HD1	1:9:A:LEU:HB3	15	1.2	0.36	1.0
(1,1598)	1:6:A:PHE:HD2	1:9:A:LEU:HB3	15	1.2	0.36	1.0
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	15	1.2	0.04	1.22
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	15	1.2	0.04	1.22
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	15	1.2	0.04	1.22
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	15	1.2	0.04	1.22
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	15	1.2	0.04	1.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	15	1.2	0.04	1.22
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	15	1.2	0.04	1.22
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	15	1.2	0.04	1.22
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	15	1.2	0.04	1.22
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	15	1.2	0.04	1.22
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	15	1.2	0.04	1.22
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	15	1.2	0.04	1.22
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	15	1.2	0.04	1.22
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	15	1.2	0.04	1.22
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	15	1.2	0.04	1.22
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	15	1.2	0.04	1.22
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	15	1.2	0.04	1.22
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	15	1.2	0.04	1.22
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	15	1.2	0.04	1.22
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	15	1.2	0.04	1.22
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE1	15	1.2	0.32	1.21
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE2	15	1.2	0.32	1.21
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE1	15	1.2	0.32	1.21
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE2	15	1.2	0.32	1.21
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE1	15	1.2	0.32	1.21
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE2	15	1.2	0.32	1.21
(1,2067)	1:82:A:MET:HB3	1:79:A:LYS:HA	15	1.19	0.05	1.18
(1,1506)	1:86:A:ARG:HA	1:89:A:ALA:H	15	1.19	0.01	1.19
(1,1834)	1:48:A:ASN:HB3	1:49:A:GLU:H	15	1.19	0.15	1.23
(1,1834)	1:48:A:ASN:HB2	1:49:A:GLU:H	15	1.19	0.15	1.23
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB2	15	1.19	0.04	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB3	15	1.19	0.04	1.17
(1,1251)	1:9:A:LEU:HD11	1:11:A:LEU:H	15	1.18	0.29	1.01
(1,1251)	1:9:A:LEU:HD12	1:11:A:LEU:H	15	1.18	0.29	1.01
(1,1251)	1:9:A:LEU:HD13	1:11:A:LEU:H	15	1.18	0.29	1.01
(1,1251)	1:9:A:LEU:HD21	1:11:A:LEU:H	15	1.18	0.29	1.01
(1,1251)	1:9:A:LEU:HD22	1:11:A:LEU:H	15	1.18	0.29	1.01
(1,1251)	1:9:A:LEU:HD23	1:11:A:LEU:H	15	1.18	0.29	1.01
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG21	15	1.18	0.14	1.23
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG22	15	1.18	0.14	1.23
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG23	15	1.18	0.14	1.23
(1,2071)	1:82:A:MET:H	1:83:A:ASP:HB2	15	1.18	0.16	1.12
(1,2312)	1:51:A:THR:HB	1:54:A:LEU:H	15	1.18	0.04	1.17
(1,2436)	1:51:A:THR:HB	1:54:A:LEU:H	15	1.18	0.04	1.17
(1,2560)	1:51:A:THR:HB	1:54:A:LEU:H	15	1.18	0.04	1.17
(1,2684)	1:51:A:THR:HB	1:54:A:LEU:H	15	1.18	0.04	1.17
(1,2808)	1:51:A:THR:HB	1:54:A:LEU:H	15	1.18	0.04	1.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2042)	1:79:A:LYS:H	1:77:A:GLU:H	15	1.17	0.15	1.09
(1,1908)	1:64:A:LYS:H	1:61:A:ASP:H	15	1.17	0.08	1.2
(1,1782)	1:40:A:ARG:HG3	1:44:A:THR:HB	15	1.17	0.61	1.56
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG12	15	1.17	0.28	1.32
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG13	15	1.17	0.28	1.32
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB1	15	1.17	0.1	1.1
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB2	15	1.17	0.1	1.1
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB3	15	1.17	0.1	1.1
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB1	15	1.17	0.1	1.1
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB2	15	1.17	0.1	1.1
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB3	15	1.17	0.1	1.1
(1,1528)	1:96:A:TYR:H	1:94:A:ARG:HA	15	1.16	0.26	1.17
(1,2304)	1:49:A:GLU:HA	1:54:A:LEU:H	15	1.16	0.07	1.18
(1,2428)	1:49:A:GLU:HA	1:54:A:LEU:H	15	1.16	0.07	1.18
(1,2552)	1:49:A:GLU:HA	1:54:A:LEU:H	15	1.16	0.07	1.18
(1,2676)	1:49:A:GLU:HA	1:54:A:LEU:H	15	1.16	0.07	1.18
(1,2800)	1:49:A:GLU:HA	1:54:A:LEU:H	15	1.16	0.07	1.18
(1,1792)	1:43:A:ALA:H	1:40:A:ARG:HA	15	1.15	0.04	1.17
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG2	15	1.15	0.03	1.15
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG3	15	1.15	0.03	1.15
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG2	15	1.15	0.03	1.15
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG3	15	1.15	0.03	1.15
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG2	15	1.15	0.03	1.15
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG3	15	1.15	0.03	1.15
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG2	15	1.15	0.03	1.15
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG3	15	1.15	0.03	1.15
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG2	15	1.15	0.03	1.15
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG3	15	1.15	0.03	1.15
(1,2049)	1:79:A:LYS:HA	1:81:A:SER:H	15	1.15	0.12	1.18
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD11	15	1.15	0.05	1.17
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD12	15	1.15	0.05	1.17
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD13	15	1.15	0.05	1.17
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD11	15	1.15	0.05	1.17
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD12	15	1.15	0.05	1.17
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD13	15	1.15	0.05	1.17
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD11	15	1.15	0.05	1.17
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD12	15	1.15	0.05	1.17
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD13	15	1.15	0.05	1.17
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD11	15	1.15	0.05	1.17
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD12	15	1.15	0.05	1.17
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD13	15	1.15	0.05	1.17
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD11	15	1.15	0.05	1.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD12	15	1.15	0.05	1.17
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD13	15	1.15	0.05	1.17
(1,2004)	1:74:A:LEU:HB2	1:75:A:THR:H	15	1.15	0.21	1.3
(1,2004)	1:74:A:LEU:HB3	1:75:A:THR:H	15	1.15	0.21	1.3
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD21	15	1.15	0.63	1.69
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD22	15	1.15	0.63	1.69
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD23	15	1.15	0.63	1.69
(1,1365)	1:36:A:ILE:HG12	1:35:A:TRP:H	15	1.15	0.7	0.51
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB1	15	1.15	0.03	1.16
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB2	15	1.15	0.03	1.16
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB3	15	1.15	0.03	1.16
(1,1821)	1:46:A:VAL:HA	1:47:A:GLN:H	15	1.14	0.04	1.15
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG21	15	1.14	0.57	1.51
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG22	15	1.14	0.57	1.51
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG23	15	1.14	0.57	1.51
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB1	15	1.14	0.67	1.66
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB2	15	1.14	0.67	1.66
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB3	15	1.14	0.67	1.66
(1,1816)	1:45:A:THR:H	1:48:A:ASN:H	15	1.14	0.13	1.11
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD21	15	1.14	0.04	1.13
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD22	15	1.14	0.04	1.13
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD23	15	1.14	0.04	1.13
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD21	15	1.14	0.04	1.13
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD22	15	1.14	0.04	1.13
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD23	15	1.14	0.04	1.13
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD21	15	1.14	0.04	1.13
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD22	15	1.14	0.04	1.13
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD23	15	1.14	0.04	1.13
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD21	15	1.14	0.04	1.13
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD22	15	1.14	0.04	1.13
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD23	15	1.14	0.04	1.13
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD21	15	1.14	0.04	1.13
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD22	15	1.14	0.04	1.13
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD23	15	1.14	0.04	1.13
(1,2094)	1:84:A:GLU:H	1:81:A:SER:HA	15	1.14	0.02	1.13
(1,1477)	1:75:A:THR:H	1:74:A:LEU:HG	15	1.14	0.18	1.13
(1,1701)	1:22:A:PRO:HD2	1:21:A:GLY:H	15	1.14	0.04	1.15
(1,1701)	1:22:A:PRO:HD3	1:21:A:GLY:H	15	1.14	0.04	1.15
(1,2093)	1:84:A:GLU:HB2	1:81:A:SER:HB3	15	1.13	0.09	1.11
(1,2078)	1:83:A:ASP:H	1:80:A:ALA:HA	15	1.13	0.02	1.12
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG21	15	1.13	0.04	1.14
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG22	15	1.13	0.04	1.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG23	15	1.13	0.04	1.14
(1,1632)	1:12:A:VAL:HA	1:15:A:ILE:H	15	1.12	0.09	1.13
(1,1531)	1:96:A:TYR:HB2	1:98:A:ALA:H	15	1.12	0.4	1.27
(1,1531)	1:96:A:TYR:HB3	1:98:A:ALA:H	15	1.12	0.4	1.27
(1,1800)	1:44:A:THR:H	1:40:A:ARG:HA	15	1.12	0.04	1.12
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG21	15	1.12	0.04	1.1
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG22	15	1.12	0.04	1.1
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG23	15	1.12	0.04	1.1
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG21	15	1.12	0.04	1.1
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG22	15	1.12	0.04	1.1
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG23	15	1.12	0.04	1.1
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG21	15	1.12	0.04	1.1
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG22	15	1.12	0.04	1.1
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG23	15	1.12	0.04	1.1
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG21	15	1.12	0.04	1.1
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG22	15	1.12	0.04	1.1
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG23	15	1.12	0.04	1.1
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG21	15	1.12	0.04	1.1
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG22	15	1.12	0.04	1.1
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG23	15	1.12	0.04	1.1
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB1	15	1.12	0.03	1.13
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB2	15	1.12	0.03	1.13
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB3	15	1.12	0.03	1.13
(1,1787)	1:42:A:LEU:HD11	1:43:A:ALA:H	15	1.12	0.52	1.37
(1,1787)	1:42:A:LEU:HD12	1:43:A:ALA:H	15	1.12	0.52	1.37
(1,1787)	1:42:A:LEU:HD13	1:43:A:ALA:H	15	1.12	0.52	1.37
(1,1787)	1:42:A:LEU:HD21	1:43:A:ALA:H	15	1.12	0.52	1.37
(1,1787)	1:42:A:LEU:HD22	1:43:A:ALA:H	15	1.12	0.52	1.37
(1,1787)	1:42:A:LEU:HD23	1:43:A:ALA:H	15	1.12	0.52	1.37
(1,904)	1:74:A:LEU:H	1:70:A:SER:HA	15	1.11	0.31	1.21
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB2	15	1.11	0.07	1.12
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB3	15	1.11	0.07	1.12
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB2	15	1.11	0.01	1.11
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB3	15	1.11	0.01	1.11
(1,2324)	1:56:A:LEU:HB3	1:51:A:THR:H	15	1.11	0.09	1.08
(1,2448)	1:56:A:LEU:HB3	1:51:A:THR:H	15	1.11	0.09	1.08
(1,2572)	1:56:A:LEU:HB3	1:51:A:THR:H	15	1.11	0.09	1.08
(1,2696)	1:56:A:LEU:HB3	1:51:A:THR:H	15	1.11	0.09	1.08
(1,2820)	1:56:A:LEU:HB3	1:51:A:THR:H	15	1.11	0.09	1.08
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG21	15	1.1	0.04	1.12
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG22	15	1.1	0.04	1.12
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG23	15	1.1	0.04	1.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG21	15	1.1	0.04	1.12
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG22	15	1.1	0.04	1.12
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG23	15	1.1	0.04	1.12
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG21	15	1.1	0.04	1.12
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG22	15	1.1	0.04	1.12
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG23	15	1.1	0.04	1.12
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG21	15	1.1	0.04	1.12
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG22	15	1.1	0.04	1.12
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG23	15	1.1	0.04	1.12
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG21	15	1.1	0.04	1.12
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG22	15	1.1	0.04	1.12
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG23	15	1.1	0.04	1.12
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD3	15	1.1	0.1	1.03
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD2	15	1.1	0.1	1.03
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB2	15	1.1	0.09	1.07
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB3	15	1.1	0.09	1.07
(1,1863)	1:55:A:LYS:HA	1:54:A:LEU:H	15	1.1	0.05	1.08
(1,1919)	1:65:A:LYS:H	1:62:A:SER:HA	15	1.1	0.03	1.1
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB1	15	1.1	0.1	1.09
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB2	15	1.1	0.1	1.09
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB3	15	1.1	0.1	1.09
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG11	15	1.1	0.02	1.09
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG12	15	1.1	0.02	1.09
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG13	15	1.1	0.02	1.09
(1,1915)	1:64:A:LYS:H	1:67:A:GLU:H	15	1.09	0.07	1.11
(1,1526)	1:95:A:SER:HA	1:94:A:ARG:HG2	15	1.09	0.19	1.04
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG21	15	1.09	0.07	1.1
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG22	15	1.09	0.07	1.1
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG23	15	1.09	0.07	1.1
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD21	15	1.09	0.08	1.08
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD22	15	1.09	0.08	1.08
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD23	15	1.09	0.08	1.08
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD21	15	1.09	0.08	1.08
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD22	15	1.09	0.08	1.08
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD23	15	1.09	0.08	1.08
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD21	15	1.09	0.08	1.08
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD22	15	1.09	0.08	1.08
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD23	15	1.09	0.08	1.08
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD21	15	1.09	0.08	1.08
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD22	15	1.09	0.08	1.08
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD23	15	1.09	0.08	1.08
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD21	15	1.09	0.08	1.08

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD22	15	1.09	0.08	1.08
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD23	15	1.09	0.08	1.08
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD11	15	1.09	0.13	1.05
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD12	15	1.09	0.13	1.05
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD13	15	1.09	0.13	1.05
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD21	15	1.09	0.13	1.05
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD22	15	1.09	0.13	1.05
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD23	15	1.09	0.13	1.05
(1,1974)	1:71:A:LEU:H	1:72:A:THR:HB	15	1.09	0.3	1.05
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG21	15	1.09	0.05	1.1
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG22	15	1.09	0.05	1.1
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG23	15	1.09	0.05	1.1
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG21	15	1.09	0.13	1.08
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG22	15	1.09	0.13	1.08
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG23	15	1.09	0.13	1.08
(1,1785)	1:42:A:LEU:H	1:39:A:LEU:HA	15	1.08	0.07	1.11
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB1	15	1.08	0.02	1.09
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB2	15	1.08	0.02	1.09
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB3	15	1.08	0.02	1.09
(1,1978)	1:71:A:LEU:HD21	1:72:A:THR:H	15	1.08	0.45	1.33
(1,1978)	1:71:A:LEU:HD22	1:72:A:THR:H	15	1.08	0.45	1.33
(1,1978)	1:71:A:LEU:HD23	1:72:A:THR:H	15	1.08	0.45	1.33
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD11	15	1.07	0.07	1.11
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD12	15	1.07	0.07	1.11
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD13	15	1.07	0.07	1.11
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD11	15	1.07	0.07	1.11
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD12	15	1.07	0.07	1.11
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD13	15	1.07	0.07	1.11
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD11	15	1.07	0.07	1.11
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD12	15	1.07	0.07	1.11
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD13	15	1.07	0.07	1.11
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD11	15	1.07	0.07	1.11
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD12	15	1.07	0.07	1.11
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD13	15	1.07	0.07	1.11
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD11	15	1.07	0.07	1.11
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD12	15	1.07	0.07	1.11
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD13	15	1.07	0.07	1.11
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE1	15	1.07	0.35	1.07
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE2	15	1.07	0.35	1.07
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE3	15	1.07	0.35	1.07
(1,2256)	1:20:A:LEU:HD11	1:24:A:ARG:H	15	1.07	0.03	1.06
(1,2256)	1:20:A:LEU:HD12	1:24:A:ARG:H	15	1.07	0.03	1.06

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2256)	1:20:A:LEU:HD13	1:24:A:ARG:H	15	1.07	0.03	1.06
(1,2380)	1:20:A:LEU:HD11	1:24:A:ARG:H	15	1.07	0.03	1.06
(1,2380)	1:20:A:LEU:HD12	1:24:A:ARG:H	15	1.07	0.03	1.06
(1,2380)	1:20:A:LEU:HD13	1:24:A:ARG:H	15	1.07	0.03	1.06
(1,2504)	1:20:A:LEU:HD11	1:24:A:ARG:H	15	1.07	0.03	1.06
(1,2504)	1:20:A:LEU:HD12	1:24:A:ARG:H	15	1.07	0.03	1.06
(1,2504)	1:20:A:LEU:HD13	1:24:A:ARG:H	15	1.07	0.03	1.06
(1,2628)	1:20:A:LEU:HD11	1:24:A:ARG:H	15	1.07	0.03	1.06
(1,2628)	1:20:A:LEU:HD12	1:24:A:ARG:H	15	1.07	0.03	1.06
(1,2628)	1:20:A:LEU:HD13	1:24:A:ARG:H	15	1.07	0.03	1.06
(1,2752)	1:20:A:LEU:HD11	1:24:A:ARG:H	15	1.07	0.03	1.06
(1,2752)	1:20:A:LEU:HD12	1:24:A:ARG:H	15	1.07	0.03	1.06
(1,2752)	1:20:A:LEU:HD13	1:24:A:ARG:H	15	1.07	0.03	1.06
(1,1533)	1:97:A:VAL:H	1:98:A:ALA:H	15	1.07	0.46	1.19
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG21	15	1.07	0.05	1.06
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG22	15	1.07	0.05	1.06
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG23	15	1.07	0.05	1.06
(1,1627)	1:11:A:LEU:HA	1:12:A:VAL:H	15	1.07	0.0	1.07
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD2	15	1.07	0.15	1.11
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD3	15	1.07	0.15	1.11
(1,1732)	1:29:A:VAL:HA	1:30:A:LYS:H	15	1.07	0.01	1.07
(1,1622)	1:10:A:LEU:HA	1:11:A:LEU:H	15	1.06	0.01	1.07
(1,1762)	1:36:A:ILE:H	1:33:A:ALA:HA	15	1.06	0.02	1.07
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD2	15	1.06	0.23	1.13
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD3	15	1.06	0.23	1.13
(1,2120)	1:86:A:ARG:HA	1:87:A:GLN:H	15	1.06	0.0	1.06
(1,2262)	1:21:A:GLY:H	1:24:A:ARG:H	15	1.06	0.03	1.05
(1,2386)	1:21:A:GLY:H	1:24:A:ARG:H	15	1.06	0.03	1.05
(1,2510)	1:21:A:GLY:H	1:24:A:ARG:H	15	1.06	0.03	1.05
(1,2634)	1:21:A:GLY:H	1:24:A:ARG:H	15	1.06	0.03	1.05
(1,2758)	1:21:A:GLY:H	1:24:A:ARG:H	15	1.06	0.03	1.05
(1,1758)	1:35:A:TRP:H	1:37:A:ARG:H	15	1.06	0.03	1.06
(1,2053)	1:80:A:ALA:HA	1:81:A:SER:H	15	1.05	0.01	1.06
(1,1641)	1:13:A:PHE:H	1:12:A:VAL:HA	15	1.05	0.01	1.05
(1,1797)	1:43:A:ALA:H	1:42:A:LEU:HA	15	1.05	0.0	1.05
(1,1927)	1:65:A:LYS:H	1:64:A:LYS:HA	15	1.05	0.01	1.05
(1,2135)	1:89:A:ALA:H	1:88:A:ALA:HA	15	1.05	0.0	1.05
(1,1887)	1:61:A:ASP:HA	1:64:A:LYS:H	15	1.05	0.11	1.04
(1,1570)	1:3:A:ASP:HA	1:5:A:GLY:H	15	1.05	0.38	1.01
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG21	15	1.05	0.05	1.05
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG22	15	1.05	0.05	1.05
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG23	15	1.05	0.05	1.05

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG11	15	1.05	0.54	0.64
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG12	15	1.05	0.54	0.64
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG13	15	1.05	0.54	0.64
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG21	15	1.05	0.06	1.01
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG22	15	1.05	0.06	1.01
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG23	15	1.05	0.06	1.01
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG21	15	1.05	0.06	1.01
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG22	15	1.05	0.06	1.01
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG23	15	1.05	0.06	1.01
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG21	15	1.05	0.06	1.01
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG22	15	1.05	0.06	1.01
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG23	15	1.05	0.06	1.01
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG21	15	1.04	0.1	1.09
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG22	15	1.04	0.1	1.09
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG23	15	1.04	0.1	1.09
(1,2136)	1:89:A:ALA:HA	1:90:A:GLU:H	15	1.04	0.0	1.04
(1,2218)	1:99:A:ASN:H	1:97:A:VAL:H	15	1.04	0.37	0.85
(1,1805)	1:45:A:THR:H	1:42:A:LEU:HA	15	1.04	0.06	1.05
(1,1874)	1:60:A:GLN:HA	1:61:A:ASP:H	15	1.04	0.02	1.04
(1,2016)	1:76:A:PRO:HA	1:77:A:GLU:H	15	1.04	0.01	1.04
(1,1771)	1:38:A:ALA:H	1:36:A:ILE:HA	15	1.04	0.06	1.01
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	15	1.04	0.02	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	15	1.04	0.02	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	15	1.04	0.02	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	15	1.04	0.02	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	15	1.04	0.02	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	15	1.04	0.02	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	15	1.04	0.02	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	15	1.04	0.02	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	15	1.04	0.02	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	15	1.04	0.02	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	15	1.04	0.02	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	15	1.04	0.02	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	15	1.04	0.02	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	15	1.04	0.02	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	15	1.04	0.02	1.03
(1,1889)	1:62:A:SER:H	1:60:A:GLN:HA	15	1.04	0.16	1.01
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB1	15	1.03	0.24	1.0
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB2	15	1.03	0.24	1.0
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB3	15	1.03	0.24	1.0
(1,2070)	1:82:A:MET:HA	1:83:A:ASP:H	15	1.03	0.0	1.03
(1,1680)	1:17:A:LEU:HA	1:18:A:VAL:H	15	1.03	0.01	1.03

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1708)	1:23:A:GLN:HA	1:24:A:ARG:H	15	1.03	0.0	1.03
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	15	1.02	0.07	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	15	1.02	0.07	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	15	1.02	0.07	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	15	1.02	0.07	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	15	1.02	0.07	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	15	1.02	0.07	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	15	1.02	0.07	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	15	1.02	0.07	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	15	1.02	0.07	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	15	1.02	0.07	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	15	1.02	0.07	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	15	1.02	0.07	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	15	1.02	0.07	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	15	1.02	0.07	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	15	1.02	0.07	1.05
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD21	15	1.02	0.02	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD22	15	1.02	0.02	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD23	15	1.02	0.02	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD21	15	1.02	0.02	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD22	15	1.02	0.02	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD23	15	1.02	0.02	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD21	15	1.02	0.02	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD22	15	1.02	0.02	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD23	15	1.02	0.02	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD21	15	1.02	0.02	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD22	15	1.02	0.02	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD23	15	1.02	0.02	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD21	15	1.02	0.02	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD22	15	1.02	0.02	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD23	15	1.02	0.02	1.03
(1,2358)	1:72:A:THR:HA	1:79:A:LYS:HA	15	1.02	0.01	1.02
(1,2482)	1:72:A:THR:HA	1:79:A:LYS:HA	15	1.02	0.01	1.02
(1,2606)	1:72:A:THR:HA	1:79:A:LYS:HA	15	1.02	0.01	1.02
(1,2730)	1:72:A:THR:HA	1:79:A:LYS:HA	15	1.02	0.01	1.02
(1,2854)	1:72:A:THR:HA	1:79:A:LYS:HA	15	1.02	0.01	1.02
(1,1656)	1:14:A:ILE:H	1:13:A:PHE:HA	15	1.02	0.02	1.04
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD11	15	1.02	0.03	1.03
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD12	15	1.02	0.03	1.03
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD13	15	1.02	0.03	1.03
(1,2227)	1:101:A:PRO:HG2	1:100:A:ASP:HA	15	1.02	0.65	0.59
(1,2227)	1:101:A:PRO:HG3	1:100:A:ASP:HA	15	1.02	0.65	0.59

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1990)	1:73:A:ASN:H	1:72:A:THR:HA	15	1.02	0.03	1.0
(1,2251)	1:17:A:LEU:H	1:22:A:PRO:HA	15	1.02	0.02	1.01
(1,2375)	1:17:A:LEU:H	1:22:A:PRO:HA	15	1.02	0.02	1.01
(1,2499)	1:17:A:LEU:H	1:22:A:PRO:HA	15	1.02	0.02	1.01
(1,2623)	1:17:A:LEU:H	1:22:A:PRO:HA	15	1.02	0.02	1.01
(1,2747)	1:17:A:LEU:H	1:22:A:PRO:HA	15	1.02	0.02	1.01
(1,2088)	1:83:A:ASP:HA	1:86:A:ARG:H	15	1.02	0.03	1.02
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	15	1.02	0.02	1.02
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	15	1.02	0.02	1.02
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	15	1.02	0.02	1.02
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	15	1.02	0.02	1.02
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	15	1.02	0.02	1.02
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	15	1.02	0.02	1.02
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	15	1.02	0.02	1.02
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	15	1.02	0.02	1.02
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	15	1.02	0.02	1.02
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	15	1.02	0.02	1.02
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	15	1.02	0.02	1.02
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	15	1.02	0.02	1.02
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	15	1.02	0.02	1.02
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	15	1.02	0.02	1.02
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	15	1.02	0.02	1.02
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	15	1.02	0.02	1.02
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	15	1.02	0.02	1.02
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	15	1.02	0.02	1.02
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	15	1.02	0.02	1.02
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	15	1.02	0.02	1.02
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	15	1.02	0.02	1.02
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	15	1.02	0.02	1.02
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	15	1.02	0.02	1.02
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	15	1.02	0.02	1.02
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	15	1.02	0.02	1.02
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	15	1.02	0.02	1.02
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	15	1.02	0.02	1.02
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	15	1.02	0.02	1.02
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	15	1.02	0.02	1.02
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	15	1.02	0.02	1.02
(1,1574)	1:4:A:ILE:HB	1:3:A:ASP:HA	15	1.01	0.19	0.96
(1,2102)	1:84:A:GLU:HA	1:85:A:LEU:H	15	1.01	0.01	1.01
(1,1807)	1:45:A:THR:H	1:44:A:THR:HA	15	1.0	0.01	1.01
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA3	15	1.0	0.01	1.01
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA2	15	1.0	0.01	1.01

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2110)	1:85:A:LEU:HA	1:86:A:ARG:H	15	1.0	0.01	1.0
(1,1386)	1:42:A:LEU:HD11	1:39:A:LEU:H	15	1.0	0.41	0.76
(1,1386)	1:42:A:LEU:HD12	1:39:A:LEU:H	15	1.0	0.41	0.76
(1,1386)	1:42:A:LEU:HD13	1:39:A:LEU:H	15	1.0	0.41	0.76
(1,1386)	1:42:A:LEU:HD21	1:39:A:LEU:H	15	1.0	0.41	0.76
(1,1386)	1:42:A:LEU:HD22	1:39:A:LEU:H	15	1.0	0.41	0.76
(1,1386)	1:42:A:LEU:HD23	1:39:A:LEU:H	15	1.0	0.41	0.76
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD11	15	1.0	0.2	1.05
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD12	15	1.0	0.2	1.05
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD13	15	1.0	0.2	1.05
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB1	15	1.0	0.27	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB2	15	1.0	0.27	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB3	15	1.0	0.27	0.94
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG21	15	1.0	0.0	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG22	15	1.0	0.0	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG23	15	1.0	0.0	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG21	15	1.0	0.0	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG22	15	1.0	0.0	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG23	15	1.0	0.0	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG21	15	1.0	0.0	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG22	15	1.0	0.0	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG23	15	1.0	0.0	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG21	15	1.0	0.0	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG22	15	1.0	0.0	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG23	15	1.0	0.0	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG21	15	1.0	0.0	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG22	15	1.0	0.0	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG23	15	1.0	0.0	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG21	15	1.0	0.0	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG22	15	1.0	0.0	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG23	15	1.0	0.0	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG21	15	1.0	0.0	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG22	15	1.0	0.0	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG23	15	1.0	0.0	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG21	15	1.0	0.0	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG22	15	1.0	0.0	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG23	15	1.0	0.0	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG21	15	1.0	0.0	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG22	15	1.0	0.0	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG23	15	1.0	0.0	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG21	15	1.0	0.0	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG22	15	1.0	0.0	1.0

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG23	15	1.0	0.0	1.0
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD11	15	1.0	0.05	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD12	15	1.0	0.05	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD13	15	1.0	0.05	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD21	15	1.0	0.05	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD22	15	1.0	0.05	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD23	15	1.0	0.05	1.02
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD2	15	1.0	0.01	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD3	15	1.0	0.01	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD2	15	1.0	0.01	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD3	15	1.0	0.01	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD2	15	1.0	0.01	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD3	15	1.0	0.01	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD2	15	1.0	0.01	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD3	15	1.0	0.01	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD2	15	1.0	0.01	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD3	15	1.0	0.01	1.0
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB1	15	0.99	0.14	0.87
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB2	15	0.99	0.14	0.87
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB3	15	0.99	0.14	0.87
(1,1551)	1:2:A:PHE:HD1	1:3:A:ASP:H	15	0.99	0.1	1.02
(1,1551)	1:2:A:PHE:HD2	1:3:A:ASP:H	15	0.99	0.1	1.02
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB2	15	0.99	0.1	1.02
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB3	15	0.99	0.1	1.02
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB2	15	0.99	0.1	1.02
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB3	15	0.99	0.1	1.02
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB2	15	0.99	0.1	1.02
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB3	15	0.99	0.1	1.02
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB2	15	0.99	0.1	1.02
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB3	15	0.99	0.1	1.02
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB2	15	0.99	0.1	1.02
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB3	15	0.99	0.1	1.02
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB3	15	0.99	0.28	0.99
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB3	15	0.99	0.28	0.99
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB3	15	0.99	0.28	0.99
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB3	15	0.99	0.28	0.99
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB3	15	0.99	0.28	0.99
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB3	15	0.99	0.28	0.99
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB2	15	0.99	0.28	0.99
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB2	15	0.99	0.28	0.99
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB2	15	0.99	0.28	0.99
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB2	15	0.99	0.28	0.99

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB2	15	0.99	0.28	0.99
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB2	15	0.99	0.28	0.99
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE1	15	0.99	0.1	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE2	15	0.99	0.1	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE3	15	0.99	0.1	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE1	15	0.99	0.1	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE2	15	0.99	0.1	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE3	15	0.99	0.1	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE1	15	0.99	0.1	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE2	15	0.99	0.1	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE3	15	0.99	0.1	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE1	15	0.99	0.1	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE2	15	0.99	0.1	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE3	15	0.99	0.1	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE1	15	0.99	0.1	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE2	15	0.99	0.1	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE3	15	0.99	0.1	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE1	15	0.99	0.1	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE2	15	0.99	0.1	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE3	15	0.99	0.1	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE1	15	0.99	0.1	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE2	15	0.99	0.1	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE3	15	0.99	0.1	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE1	15	0.99	0.1	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE2	15	0.99	0.1	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE3	15	0.99	0.1	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE1	15	0.99	0.1	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE2	15	0.99	0.1	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE3	15	0.99	0.1	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE1	15	0.99	0.1	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE2	15	0.99	0.1	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE3	15	0.99	0.1	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE1	15	0.99	0.1	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE2	15	0.99	0.1	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE3	15	0.99	0.1	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE1	15	0.99	0.1	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE2	15	0.99	0.1	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE3	15	0.99	0.1	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE1	15	0.99	0.1	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE2	15	0.99	0.1	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE3	15	0.99	0.1	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE1	15	0.99	0.1	1.01

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE2	15	0.99	0.1	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE3	15	0.99	0.1	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE1	15	0.99	0.1	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE2	15	0.99	0.1	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE3	15	0.99	0.1	1.01
(1,1757)	1:35:A:TRP:H	1:36:A:ILE:HB	15	0.98	0.01	0.98
(1,1751)	1:33:A:ALA:HA	1:36:A:ILE:HA	15	0.98	0.02	0.99
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD21	15	0.97	0.2	0.9
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD22	15	0.97	0.2	0.9
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD23	15	0.97	0.2	0.9
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	15	0.97	0.21	1.03
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	15	0.97	0.21	1.03
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	15	0.97	0.21	1.03
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	15	0.97	0.21	1.03
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	15	0.97	0.21	1.03
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	15	0.97	0.21	1.03
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	15	0.97	0.21	1.03
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	15	0.97	0.21	1.03
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	15	0.97	0.21	1.03
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	15	0.97	0.21	1.03
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	15	0.97	0.21	1.03
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	15	0.97	0.21	1.03
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	15	0.97	0.21	1.03
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	15	0.97	0.21	1.03
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	15	0.97	0.21	1.03
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	15	0.97	0.21	1.03
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	15	0.97	0.21	1.03
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	15	0.97	0.21	1.03
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	15	0.97	0.21	1.03
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	15	0.97	0.21	1.03
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	15	0.97	0.21	1.03
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	15	0.97	0.21	1.03
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	15	0.97	0.21	1.03
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	15	0.97	0.21	1.03
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	15	0.97	0.21	1.03
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	15	0.97	0.21	1.03
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	15	0.97	0.21	1.03
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	15	0.97	0.21	1.03
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	15	0.97	0.21	1.03
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	15	0.97	0.21	1.03
(1,1605)	1:8:A:GLU:HB2	1:4:A:ILE:HB	15	0.97	0.19	1.03
(1,2235)	1:102:A:LEU:H	1:100:A:ASP:HA	15	0.97	0.36	0.98

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2298)	1:49:A:GLU:HA	1:47:A:GLN:H	15	0.96	0.08	1.02
(1,2422)	1:49:A:GLU:HA	1:47:A:GLN:H	15	0.96	0.08	1.02
(1,2546)	1:49:A:GLU:HA	1:47:A:GLN:H	15	0.96	0.08	1.02
(1,2670)	1:49:A:GLU:HA	1:47:A:GLN:H	15	0.96	0.08	1.02
(1,2794)	1:49:A:GLU:HA	1:47:A:GLN:H	15	0.96	0.08	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG11	15	0.96	0.18	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG12	15	0.96	0.18	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG13	15	0.96	0.18	1.02
(1,1591)	1:6:A:PHE:H	1:5:A:GLY:HA3	15	0.96	0.27	0.82
(1,1936)	1:66:A:VAL:HA	1:69:A:ALA:H	15	0.95	0.07	0.92
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG2	15	0.95	0.08	1.0
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG3	15	0.95	0.08	1.0
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG2	15	0.95	0.08	1.0
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG3	15	0.95	0.08	1.0
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG2	15	0.95	0.08	1.0
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG3	15	0.95	0.08	1.0
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG2	15	0.95	0.08	1.0
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG3	15	0.95	0.08	1.0
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG2	15	0.95	0.08	1.0
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG3	15	0.95	0.08	1.0
(1,1670)	1:15:A:ILE:HA	1:18:A:VAL:HB	15	0.95	0.11	0.91
(1,1815)	1:45:A:THR:HA	1:48:A:ASN:H	15	0.95	0.12	0.89
(1,1696)	1:21:A:GLY:HA3	1:20:A:LEU:HB3	15	0.95	0.06	0.97
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD21	15	0.95	0.06	0.96
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD22	15	0.95	0.06	0.96
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD23	15	0.95	0.06	0.96
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD21	15	0.95	0.06	0.96
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD22	15	0.95	0.06	0.96
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD23	15	0.95	0.06	0.96
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD21	15	0.95	0.06	0.96
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD22	15	0.95	0.06	0.96
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD23	15	0.95	0.06	0.96
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD21	15	0.95	0.06	0.96
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD22	15	0.95	0.06	0.96
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD23	15	0.95	0.06	0.96
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD21	15	0.95	0.06	0.96
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD22	15	0.95	0.06	0.96
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD23	15	0.95	0.06	0.96
(1,1686)	1:18:A:VAL:HA	1:19:A:VAL:H	15	0.95	0.01	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD21	15	0.94	0.02	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD22	15	0.94	0.02	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD23	15	0.94	0.02	0.95

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD21	15	0.94	0.02	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD22	15	0.94	0.02	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD23	15	0.94	0.02	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD21	15	0.94	0.02	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD22	15	0.94	0.02	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD23	15	0.94	0.02	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD21	15	0.94	0.02	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD22	15	0.94	0.02	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD23	15	0.94	0.02	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD21	15	0.94	0.02	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD22	15	0.94	0.02	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD23	15	0.94	0.02	0.95
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG21	15	0.94	0.15	0.94
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG22	15	0.94	0.15	0.94
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG23	15	0.94	0.15	0.94
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG21	15	0.94	0.15	0.94
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG22	15	0.94	0.15	0.94
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG23	15	0.94	0.15	0.94
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG21	15	0.94	0.15	0.94
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG22	15	0.94	0.15	0.94
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG23	15	0.94	0.15	0.94
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG21	15	0.94	0.15	0.94
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG22	15	0.94	0.15	0.94
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG23	15	0.94	0.15	0.94
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG21	15	0.94	0.15	0.94
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG22	15	0.94	0.15	0.94
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG23	15	0.94	0.15	0.94
(1,2215)	1:98:A:ALA:H	1:99:A:ASN:HA	15	0.94	0.39	0.89
(1,1759)	1:35:A:TRP:HA	1:38:A:ALA:H	15	0.94	0.02	0.93
(1,2360)	1:73:A:ASN:H	1:71:A:LEU:H	15	0.94	0.08	0.95
(1,2484)	1:73:A:ASN:H	1:71:A:LEU:H	15	0.94	0.08	0.95
(1,2608)	1:73:A:ASN:H	1:71:A:LEU:H	15	0.94	0.08	0.95
(1,2732)	1:73:A:ASN:H	1:71:A:LEU:H	15	0.94	0.08	0.95
(1,2856)	1:73:A:ASN:H	1:71:A:LEU:H	15	0.94	0.08	0.95
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD11	15	0.94	0.04	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD12	15	0.94	0.04	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD13	15	0.94	0.04	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD21	15	0.94	0.04	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD22	15	0.94	0.04	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD23	15	0.94	0.04	0.92
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB1	15	0.93	0.02	0.94
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB2	15	0.93	0.02	0.94

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB3	15	0.93	0.02	0.94
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD1	15	0.93	0.11	0.88
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD2	15	0.93	0.11	0.88
(1,1453)	1:67:A:GLU:HG2	1:70:A:SER:H	15	0.93	0.12	0.99
(1,1453)	1:67:A:GLU:HG3	1:70:A:SER:H	15	0.93	0.12	0.99
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG11	15	0.93	0.09	1.0
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG12	15	0.93	0.09	1.0
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG13	15	0.93	0.09	1.0
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD21	15	0.93	0.26	0.92
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD22	15	0.93	0.26	0.92
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD23	15	0.93	0.26	0.92
(1,1722)	1:27:A:VAL:H	1:26:A:PRO:HG3	15	0.92	0.01	0.93
(1,1770)	1:38:A:ALA:H	1:34:A:GLY:HA2	15	0.92	0.02	0.93
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD1	15	0.92	0.22	0.94
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD2	15	0.92	0.22	0.94
(1,1328)	1:27:A:VAL:HB	1:28:A:ALA:HA	15	0.92	0.28	0.85
(1,1471)	1:73:A:ASN:H	1:74:A:LEU:HA	15	0.92	0.1	0.85
(1,1960)	1:69:A:ALA:HA	1:72:A:THR:H	15	0.91	0.21	0.89
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	15	0.91	0.2	1.0
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	15	0.91	0.2	1.0
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	15	0.91	0.2	1.0
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	15	0.91	0.2	1.0
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	15	0.91	0.2	1.0
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	15	0.91	0.2	1.0
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	15	0.91	0.2	1.0
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	15	0.91	0.2	1.0
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	15	0.91	0.2	1.0
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	15	0.91	0.2	1.0
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	15	0.91	0.2	1.0
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	15	0.91	0.2	1.0
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	15	0.91	0.2	1.0
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	15	0.91	0.2	1.0
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	15	0.91	0.2	1.0
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	15	0.91	0.2	1.0
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	15	0.91	0.2	1.0
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	15	0.91	0.2	1.0
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	15	0.91	0.2	1.0
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	15	0.91	0.2	1.0
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD21	15	0.91	0.03	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD22	15	0.91	0.03	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD23	15	0.91	0.03	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD21	15	0.91	0.03	0.9

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD22	15	0.91	0.03	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD23	15	0.91	0.03	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD21	15	0.91	0.03	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD22	15	0.91	0.03	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD23	15	0.91	0.03	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD21	15	0.91	0.03	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD22	15	0.91	0.03	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD23	15	0.91	0.03	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD21	15	0.91	0.03	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD22	15	0.91	0.03	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD23	15	0.91	0.03	0.9
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB1	15	0.91	0.3	0.95
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB2	15	0.91	0.3	0.95
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB3	15	0.91	0.3	0.95
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG21	15	0.91	0.04	0.88
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG22	15	0.91	0.04	0.88
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG23	15	0.91	0.04	0.88
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE1	15	0.9	0.25	1.02
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE2	15	0.9	0.25	1.02
(1,1323)	1:26:A:PRO:HB2	1:30:A:LYS:HG2	15	0.9	0.09	0.9
(1,1323)	1:26:A:PRO:HB3	1:30:A:LYS:HG2	15	0.9	0.09	0.9
(1,1842)	1:51:A:THR:HA	1:52:A:GLN:H	15	0.9	0.06	0.91
(1,1361)	1:35:A:TRP:HH2	1:36:A:ILE:HA	15	0.9	0.02	0.9
(1,1564)	1:3:A:ASP:HB2	1:4:A:ILE:HA	15	0.9	0.12	0.86
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD11	15	0.9	0.14	0.94
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD12	15	0.9	0.14	0.94
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD13	15	0.9	0.14	0.94
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD11	15	0.9	0.14	0.94
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD12	15	0.9	0.14	0.94
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD13	15	0.9	0.14	0.94
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD11	15	0.9	0.14	0.94
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD12	15	0.9	0.14	0.94
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD13	15	0.9	0.14	0.94
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD11	15	0.9	0.14	0.94
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD12	15	0.9	0.14	0.94
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD13	15	0.9	0.14	0.94
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD11	15	0.9	0.14	0.94
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD12	15	0.9	0.14	0.94
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD13	15	0.9	0.14	0.94
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA2	15	0.9	0.05	0.89
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA3	15	0.9	0.05	0.89
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA2	15	0.9	0.05	0.89

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA3	15	0.9	0.05	0.89
(1,1897)	1:63:A:LEU:HG	1:60:A:GLN:HA	15	0.89	0.32	0.95
(1,2184)	1:96:A:TYR:H	1:95:A:SER:HA	15	0.89	0.08	0.91
(1,1845)	1:51:A:THR:HB	1:52:A:GLN:H	15	0.89	0.07	0.91
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG2	15	0.89	0.07	0.88
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG3	15	0.89	0.07	0.88
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG2	15	0.89	0.07	0.88
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG3	15	0.89	0.07	0.88
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG2	15	0.89	0.07	0.88
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG3	15	0.89	0.07	0.88
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG2	15	0.89	0.07	0.88
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG3	15	0.89	0.07	0.88
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG2	15	0.89	0.07	0.88
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG3	15	0.89	0.07	0.88
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG2	15	0.89	0.07	0.88
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG3	15	0.89	0.07	0.88
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG2	15	0.89	0.07	0.88
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG3	15	0.89	0.07	0.88
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG2	15	0.89	0.07	0.88
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG3	15	0.89	0.07	0.88
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG2	15	0.89	0.07	0.88
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG3	15	0.89	0.07	0.88
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG2	15	0.89	0.07	0.88
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG3	15	0.89	0.07	0.88
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG2	15	0.89	0.07	0.88
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG3	15	0.89	0.07	0.88
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG2	15	0.89	0.07	0.88
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG3	15	0.89	0.07	0.88
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG2	15	0.89	0.07	0.88
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG3	15	0.89	0.07	0.88
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG2	15	0.89	0.07	0.88
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG3	15	0.89	0.07	0.88
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG2	15	0.89	0.07	0.88
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG3	15	0.89	0.07	0.88
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB2	15	0.89	0.07	0.91
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB3	15	0.89	0.07	0.91
(1,1474)	1:73:A:ASN:H	1:75:A:THR:H	15	0.88	0.14	0.87
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD11	15	0.87	0.09	0.89
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD12	15	0.87	0.09	0.89
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD13	15	0.87	0.09	0.89
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	15	0.87	0.31	1.02
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	15	0.87	0.31	1.02

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	15	0.87	0.31	1.02
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	15	0.87	0.31	1.02
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	15	0.87	0.31	1.02
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	15	0.87	0.31	1.02
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	15	0.87	0.31	1.02
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	15	0.87	0.31	1.02
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	15	0.87	0.31	1.02
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	15	0.87	0.31	1.02
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	15	0.87	0.31	1.02
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	15	0.87	0.31	1.02
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	15	0.87	0.31	1.02
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	15	0.87	0.31	1.02
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	15	0.87	0.31	1.02
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	15	0.87	0.31	1.02
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	15	0.87	0.31	1.02
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	15	0.87	0.31	1.02
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	15	0.87	0.31	1.02
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	15	0.87	0.31	1.02
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	15	0.87	0.31	1.02
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	15	0.87	0.31	1.02
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	15	0.87	0.31	1.02
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	15	0.87	0.31	1.02
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	15	0.87	0.31	1.02
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	15	0.87	0.31	1.02
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	15	0.87	0.31	1.02
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	15	0.87	0.31	1.02
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	15	0.87	0.31	1.02
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	15	0.87	0.31	1.02
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	15	0.87	0.31	1.02
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	15	0.87	0.31	1.02
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	15	0.87	0.31	1.02
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	15	0.87	0.31	1.02
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	15	0.87	0.31	1.02
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	15	0.87	0.31	1.02
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	15	0.87	0.31	1.02
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	15	0.87	0.31	1.02
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	15	0.87	0.31	1.02
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	15	0.87	0.31	1.02
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	15	0.87	0.31	1.02
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	15	0.87	0.31	1.02
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	15	0.87	0.31	1.02
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	15	0.87	0.31	1.02

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	15	0.87	0.31	1.02
(1,1829)	1:47:A:GLN:HB2	1:48:A:ASN:H	15	0.87	0.19	0.87
(1,1829)	1:47:A:GLN:HB3	1:48:A:ASN:H	15	0.87	0.19	0.87
(1,1644)	1:13:A:PHE:HA	1:16:A:GLY:H	15	0.86	0.16	0.87
(1,2240)	1:103:A:GLU:H	1:102:A:LEU:HA	15	0.86	0.17	0.91
(1,2212)	1:98:A:ALA:HA	1:97:A:VAL:HB	15	0.86	0.24	0.81
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG3	15	0.85	0.09	0.88
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG2	15	0.85	0.09	0.88
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	15	0.85	0.1	0.82
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	15	0.85	0.1	0.82
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	15	0.85	0.1	0.82
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	15	0.85	0.1	0.82
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	15	0.85	0.1	0.82
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	15	0.85	0.1	0.82
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	15	0.85	0.1	0.82
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	15	0.85	0.1	0.82
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	15	0.85	0.1	0.82
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	15	0.85	0.1	0.82
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	15	0.85	0.1	0.82
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	15	0.85	0.1	0.82
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	15	0.85	0.1	0.82
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	15	0.85	0.1	0.82
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	15	0.85	0.1	0.82
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	15	0.85	0.1	0.82
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	15	0.85	0.1	0.82
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	15	0.85	0.1	0.82
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	15	0.85	0.1	0.82
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	15	0.85	0.1	0.82
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	15	0.85	0.1	0.82
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	15	0.85	0.1	0.82
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	15	0.85	0.1	0.82
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	15	0.85	0.1	0.82
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	15	0.85	0.1	0.82
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	15	0.85	0.1	0.82
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	15	0.85	0.1	0.82
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	15	0.85	0.1	0.82
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	15	0.85	0.1	0.82
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	15	0.85	0.1	0.82
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD11	15	0.85	0.18	0.86
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD12	15	0.85	0.18	0.86
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD13	15	0.85	0.18	0.86
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG21	15	0.84	0.16	0.84

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG22	15	0.84	0.16	0.84
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG23	15	0.84	0.16	0.84
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG21	15	0.84	0.16	0.84
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG22	15	0.84	0.16	0.84
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG23	15	0.84	0.16	0.84
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG21	15	0.84	0.16	0.84
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG22	15	0.84	0.16	0.84
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG23	15	0.84	0.16	0.84
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG21	15	0.84	0.16	0.84
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG22	15	0.84	0.16	0.84
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG23	15	0.84	0.16	0.84
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG21	15	0.84	0.16	0.84
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG22	15	0.84	0.16	0.84
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG23	15	0.84	0.16	0.84
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG21	15	0.84	0.16	0.84
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG22	15	0.84	0.16	0.84
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG23	15	0.84	0.16	0.84
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG21	15	0.84	0.16	0.84
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG22	15	0.84	0.16	0.84
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG23	15	0.84	0.16	0.84
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG21	15	0.84	0.16	0.84
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG22	15	0.84	0.16	0.84
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG23	15	0.84	0.16	0.84
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG21	15	0.84	0.16	0.84
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG22	15	0.84	0.16	0.84
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG23	15	0.84	0.16	0.84
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG21	15	0.84	0.16	0.84
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG22	15	0.84	0.16	0.84
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG23	15	0.84	0.16	0.84
(1,1945)	1:67:A:GLU:HG2	1:66:A:VAL:H	15	0.83	0.07	0.86
(1,1945)	1:67:A:GLU:HG3	1:66:A:VAL:H	15	0.83	0.07	0.86
(1,1882)	1:61:A:ASP:H	1:60:A:GLN:HB2	15	0.83	0.28	0.79
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB2	15	0.83	0.37	1.12
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB3	15	0.83	0.37	1.12
(1,2130)	1:87:A:GLN:HG2	1:86:A:ARG:H	15	0.83	0.05	0.84
(1,2130)	1:87:A:GLN:HG3	1:86:A:ARG:H	15	0.83	0.05	0.84
(1,1600)	1:6:A:PHE:HA	1:9:A:LEU:H	15	0.82	0.28	0.78
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG21	15	0.81	0.42	0.92
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG22	15	0.81	0.42	0.92
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG23	15	0.81	0.42	0.92
(1,1698)	1:21:A:GLY:H	1:20:A:LEU:HA	15	0.81	0.04	0.79
(1,1651)	1:13:A:PHE:HE1	1:17:A:LEU:HG	15	0.81	0.38	0.77

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1651)	1:13:A:PHE:HE2	1:17:A:LEU:HG	15	0.81	0.38	0.77
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD21	15	0.8	0.05	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD22	15	0.8	0.05	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD23	15	0.8	0.05	0.82
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD11	15	0.8	0.11	0.8
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD12	15	0.8	0.11	0.8
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD13	15	0.8	0.11	0.8
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD21	15	0.8	0.11	0.8
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD22	15	0.8	0.11	0.8
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD23	15	0.8	0.11	0.8
(1,1957)	1:68:A:LYS:HA	1:71:A:LEU:H	15	0.8	0.22	0.74
(1,2116)	1:86:A:ARG:HB3	1:83:A:ASP:HA	15	0.78	0.12	0.79
(1,2105)	1:84:A:GLU:HA	1:86:A:ARG:H	15	0.78	0.04	0.79
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB2	15	0.78	0.1	0.83
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB3	15	0.78	0.1	0.83
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG21	15	0.78	0.31	0.83
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG22	15	0.78	0.31	0.83
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG23	15	0.78	0.31	0.83
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG21	15	0.78	0.31	0.83
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG22	15	0.78	0.31	0.83
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG23	15	0.78	0.31	0.83
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG21	15	0.78	0.31	0.83
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG22	15	0.78	0.31	0.83
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG23	15	0.78	0.31	0.83
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG21	15	0.78	0.31	0.83
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG22	15	0.78	0.31	0.83
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG23	15	0.78	0.31	0.83
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG21	15	0.78	0.31	0.83
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG22	15	0.78	0.31	0.83
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG23	15	0.78	0.31	0.83
(1,2106)	1:84:A:GLU:HA	1:87:A:GLN:HE21	15	0.78	0.2	0.77
(1,2118)	1:86:A:ARG:HG3	1:86:A:ARG:H	15	0.78	0.01	0.77
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG21	15	0.78	0.17	0.72
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG22	15	0.78	0.17	0.72
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG23	15	0.78	0.17	0.72
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG21	15	0.78	0.17	0.72
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG22	15	0.78	0.17	0.72
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG23	15	0.78	0.17	0.72
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG21	15	0.78	0.17	0.72
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG22	15	0.78	0.17	0.72
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG23	15	0.78	0.17	0.72
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG21	15	0.78	0.17	0.72

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG22	15	0.78	0.17	0.72
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG23	15	0.78	0.17	0.72
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG21	15	0.78	0.17	0.72
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG22	15	0.78	0.17	0.72
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG23	15	0.78	0.17	0.72
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD21	15	0.78	0.17	0.67
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD22	15	0.78	0.17	0.67
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD23	15	0.78	0.17	0.67
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD21	15	0.78	0.17	0.67
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD22	15	0.78	0.17	0.67
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD23	15	0.78	0.17	0.67
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD21	15	0.78	0.17	0.67
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD22	15	0.78	0.17	0.67
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD23	15	0.78	0.17	0.67
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD21	15	0.78	0.17	0.67
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD22	15	0.78	0.17	0.67
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD23	15	0.78	0.17	0.67
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD21	15	0.78	0.17	0.67
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD22	15	0.78	0.17	0.67
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD23	15	0.78	0.17	0.67
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB1	15	0.77	0.04	0.78
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB2	15	0.77	0.04	0.78
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB3	15	0.77	0.04	0.78
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG2	15	0.77	0.08	0.8
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG3	15	0.77	0.08	0.8
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG21	15	0.77	0.09	0.75
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG22	15	0.77	0.09	0.75
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG23	15	0.77	0.09	0.75
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG11	15	0.77	0.09	0.75
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG12	15	0.77	0.09	0.75
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG13	15	0.77	0.09	0.75
(1,1986)	1:73:A:ASN:H	1:72:A:THR:HB	15	0.77	0.24	0.86
(1,2297)	1:49:A:GLU:H	1:44:A:THR:HA	15	0.77	0.25	0.84
(1,2421)	1:49:A:GLU:H	1:44:A:THR:HA	15	0.77	0.25	0.84
(1,2545)	1:49:A:GLU:H	1:44:A:THR:HA	15	0.77	0.25	0.84
(1,2669)	1:49:A:GLU:H	1:44:A:THR:HA	15	0.77	0.25	0.84
(1,2793)	1:49:A:GLU:H	1:44:A:THR:HA	15	0.77	0.25	0.84
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB1	15	0.77	0.03	0.77
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB2	15	0.77	0.03	0.77
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB3	15	0.77	0.03	0.77
(1,1731)	1:29:A:VAL:H	1:28:A:ALA:H	15	0.77	0.03	0.78
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD11	15	0.76	0.12	0.8

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD12	15	0.76	0.12	0.8
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD13	15	0.76	0.12	0.8
(1,1633)	1:13:A:PHE:H	1:11:A:LEU:H	15	0.76	0.12	0.81
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG11	15	0.76	0.41	0.61
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG12	15	0.76	0.41	0.61
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG13	15	0.76	0.41	0.61
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	15	0.76	0.09	0.72
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	15	0.76	0.09	0.72
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	15	0.76	0.09	0.72
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	15	0.76	0.09	0.72
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	15	0.76	0.09	0.72
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	15	0.76	0.09	0.72
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	15	0.76	0.09	0.72
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	15	0.76	0.09	0.72
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	15	0.76	0.09	0.72
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	15	0.76	0.09	0.72
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	15	0.76	0.09	0.72
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	15	0.76	0.09	0.72
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	15	0.76	0.09	0.72
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	15	0.76	0.09	0.72
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	15	0.76	0.09	0.72
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	15	0.76	0.09	0.72
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	15	0.76	0.09	0.72
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	15	0.76	0.09	0.72
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	15	0.76	0.09	0.72
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	15	0.76	0.09	0.72
(1,1630)	1:12:A:VAL:HB	1:9:A:LEU:HA	15	0.76	0.15	0.81
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	15	0.76	0.2	0.76
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	15	0.76	0.2	0.76
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	15	0.76	0.2	0.76
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	15	0.76	0.2	0.76
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	15	0.76	0.2	0.76
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	15	0.76	0.2	0.76
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	15	0.76	0.2	0.76
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	15	0.76	0.2	0.76
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	15	0.76	0.2	0.76
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	15	0.76	0.2	0.76
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	15	0.76	0.2	0.76
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	15	0.76	0.2	0.76
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	15	0.76	0.2	0.76
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	15	0.76	0.2	0.76
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	15	0.76	0.2	0.76

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	15	0.76	0.2	0.76
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	15	0.76	0.2	0.76
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	15	0.76	0.2	0.76
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	15	0.76	0.2	0.76
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	15	0.76	0.2	0.76
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	15	0.76	0.2	0.76
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	15	0.76	0.2	0.76
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	15	0.76	0.2	0.76
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	15	0.76	0.2	0.76
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	15	0.76	0.2	0.76
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	15	0.76	0.2	0.76
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	15	0.76	0.2	0.76
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	15	0.76	0.2	0.76
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	15	0.76	0.2	0.76
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	15	0.76	0.2	0.76
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA2	15	0.76	0.02	0.75
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA3	15	0.76	0.02	0.75
(1,1450)	1:66:A:VAL:HA	1:70:A:SER:H	15	0.75	0.12	0.75
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB1	15	0.74	0.11	0.73
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB2	15	0.74	0.11	0.73
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB3	15	0.74	0.11	0.73
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB1	15	0.74	0.11	0.73
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB2	15	0.74	0.11	0.73
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB3	15	0.74	0.11	0.73
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG21	15	0.74	0.07	0.71
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG22	15	0.74	0.07	0.71
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG23	15	0.74	0.07	0.71
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG21	15	0.74	0.07	0.71
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG22	15	0.74	0.07	0.71
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG23	15	0.74	0.07	0.71
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE1	15	0.73	0.06	0.75
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE2	15	0.73	0.06	0.75
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE3	15	0.73	0.06	0.75
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD11	15	0.73	0.08	0.7
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD12	15	0.73	0.08	0.7
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD13	15	0.73	0.08	0.7
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB1	15	0.73	0.03	0.75
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB2	15	0.73	0.03	0.75
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB3	15	0.73	0.03	0.75
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD21	15	0.72	0.12	0.77
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD22	15	0.72	0.12	0.77
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD23	15	0.72	0.12	0.77

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD21	15	0.72	0.12	0.77
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD22	15	0.72	0.12	0.77
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD23	15	0.72	0.12	0.77
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD21	15	0.72	0.12	0.77
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD22	15	0.72	0.12	0.77
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD23	15	0.72	0.12	0.77
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD21	15	0.72	0.12	0.77
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD22	15	0.72	0.12	0.77
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD23	15	0.72	0.12	0.77
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD21	15	0.72	0.12	0.77
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD22	15	0.72	0.12	0.77
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD23	15	0.72	0.12	0.77
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB1	15	0.72	0.11	0.69
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB2	15	0.72	0.11	0.69
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB3	15	0.72	0.11	0.69
(1,2169)	1:94:A:ARG:H	1:93:A:LYS:HG2	15	0.71	0.17	0.69
(1,2352)	1:71:A:LEU:HB3	1:75:A:THR:H	15	0.71	0.24	0.58
(1,2476)	1:71:A:LEU:HB3	1:75:A:THR:H	15	0.71	0.24	0.58
(1,2600)	1:71:A:LEU:HB3	1:75:A:THR:H	15	0.71	0.24	0.58
(1,2724)	1:71:A:LEU:HB3	1:75:A:THR:H	15	0.71	0.24	0.58
(1,2848)	1:71:A:LEU:HB3	1:75:A:THR:H	15	0.71	0.24	0.58
(1,2007)	1:75:A:THR:H	1:71:A:LEU:HA	15	0.71	0.28	0.91
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG21	15	0.7	0.36	0.57
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG22	15	0.7	0.36	0.57
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG23	15	0.7	0.36	0.57
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG21	15	0.7	0.36	0.57
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG22	15	0.7	0.36	0.57
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG23	15	0.7	0.36	0.57
(1,1846)	1:51:A:THR:HA	1:53:A:GLU:H	15	0.7	0.16	0.68
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD11	15	0.7	0.16	0.65
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD12	15	0.7	0.16	0.65
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD13	15	0.7	0.16	0.65
(1,1704)	1:22:A:PRO:HG2	1:23:A:GLN:H	15	0.7	0.09	0.66
(1,1704)	1:22:A:PRO:HG3	1:23:A:GLN:H	15	0.7	0.09	0.66
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD11	15	0.7	0.07	0.71
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD12	15	0.7	0.07	0.71
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD13	15	0.7	0.07	0.71
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD11	15	0.69	0.2	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD12	15	0.69	0.2	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD13	15	0.69	0.2	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD21	15	0.69	0.2	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD22	15	0.69	0.2	0.77

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD23	15	0.69	0.2	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD11	15	0.69	0.2	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD12	15	0.69	0.2	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD13	15	0.69	0.2	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD21	15	0.69	0.2	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD22	15	0.69	0.2	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD23	15	0.69	0.2	0.77
(1,1736)	1:29:A:VAL:HA	1:32:A:VAL:HB	15	0.69	0.06	0.69
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG21	15	0.69	0.38	0.58
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG22	15	0.69	0.38	0.58
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG23	15	0.69	0.38	0.58
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG21	15	0.69	0.38	0.58
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG22	15	0.69	0.38	0.58
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG23	15	0.69	0.38	0.58
(1,1956)	1:68:A:LYS:HB2	1:69:A:ALA:H	15	0.69	0.33	0.54
(1,1956)	1:68:A:LYS:HB3	1:69:A:ALA:H	15	0.69	0.33	0.54
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB1	15	0.68	0.19	0.77
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB2	15	0.68	0.19	0.77
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB3	15	0.68	0.19	0.77
(1,2038)	1:78:A:LEU:HA	1:81:A:SER:HB3	15	0.68	0.14	0.73
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD21	15	0.68	0.05	0.68
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD22	15	0.68	0.05	0.68
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD23	15	0.68	0.05	0.68
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB1	15	0.68	0.23	0.77
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB2	15	0.68	0.23	0.77
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB3	15	0.68	0.23	0.77
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB1	15	0.68	0.23	0.77
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB2	15	0.68	0.23	0.77
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB3	15	0.68	0.23	0.77
(1,2300)	1:49:A:GLU:H	1:51:A:THR:HA	15	0.67	0.15	0.63
(1,2424)	1:49:A:GLU:H	1:51:A:THR:HA	15	0.67	0.15	0.63
(1,2548)	1:49:A:GLU:H	1:51:A:THR:HA	15	0.67	0.15	0.63
(1,2672)	1:49:A:GLU:H	1:51:A:THR:HA	15	0.67	0.15	0.63
(1,2796)	1:49:A:GLU:H	1:51:A:THR:HA	15	0.67	0.15	0.63
(1,1679)	1:17:A:LEU:H	1:16:A:GLY:H	15	0.67	0.03	0.68
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB2	15	0.67	0.19	0.63
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB3	15	0.67	0.19	0.63
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB2	15	0.67	0.19	0.63
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB3	15	0.67	0.19	0.63
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB2	15	0.67	0.19	0.63
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB3	15	0.67	0.19	0.63
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB2	15	0.67	0.19	0.63

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB3	15	0.67	0.19	0.63
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB2	15	0.67	0.19	0.63
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB3	15	0.67	0.19	0.63
(1,1465)	1:72:A:THR:HA	1:71:A:LEU:HB2	15	0.67	0.14	0.73
(1,1860)	1:54:A:LEU:HG	1:55:A:LYS:H	15	0.67	0.24	0.63
(1,1818)	1:46:A:VAL:HA	1:45:A:THR:HB	15	0.66	0.06	0.66
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	15	0.66	0.13	0.59
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	15	0.66	0.13	0.59
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	15	0.66	0.13	0.59
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	15	0.66	0.13	0.59
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	15	0.66	0.13	0.59
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	15	0.66	0.13	0.59
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	15	0.66	0.13	0.59
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	15	0.66	0.13	0.59
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	15	0.66	0.13	0.59
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	15	0.66	0.13	0.59
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	15	0.66	0.13	0.59
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	15	0.66	0.13	0.59
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	15	0.66	0.13	0.59
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	15	0.66	0.13	0.59
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	15	0.66	0.13	0.59
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	15	0.66	0.13	0.59
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	15	0.66	0.13	0.59
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	15	0.66	0.13	0.59
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	15	0.66	0.13	0.59
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	15	0.66	0.13	0.59
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	15	0.66	0.13	0.59
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	15	0.66	0.13	0.59
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	15	0.66	0.13	0.59
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	15	0.66	0.13	0.59
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	15	0.66	0.13	0.59
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	15	0.66	0.13	0.59
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	15	0.66	0.13	0.59
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	15	0.66	0.13	0.59
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	15	0.66	0.13	0.59
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	15	0.66	0.13	0.59
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	15	0.66	0.13	0.59
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	15	0.66	0.13	0.59
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	15	0.66	0.13	0.59
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	15	0.66	0.13	0.59
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	15	0.66	0.13	0.59
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	15	0.66	0.13	0.59

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	15	0.66	0.13	0.59
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	15	0.66	0.13	0.59
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	15	0.66	0.13	0.59
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	15	0.66	0.13	0.59
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	15	0.66	0.13	0.59
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	15	0.66	0.13	0.59
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	15	0.66	0.13	0.59
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	15	0.66	0.13	0.59
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	15	0.66	0.13	0.59
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	15	0.66	0.13	0.59
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	15	0.66	0.13	0.59
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	15	0.66	0.13	0.59
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	15	0.66	0.13	0.59
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	15	0.66	0.13	0.59
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	15	0.66	0.13	0.59
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	15	0.66	0.13	0.59
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	15	0.66	0.13	0.59
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	15	0.66	0.13	0.59
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	15	0.66	0.13	0.59
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	15	0.66	0.13	0.59
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	15	0.66	0.13	0.59
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	15	0.66	0.13	0.59
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	15	0.66	0.13	0.59
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	15	0.66	0.13	0.59
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG11	15	0.66	0.08	0.68
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG12	15	0.66	0.08	0.68
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG13	15	0.66	0.08	0.68
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD11	15	0.65	0.3	0.73
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD12	15	0.65	0.3	0.73
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD13	15	0.65	0.3	0.73
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD21	15	0.65	0.3	0.73
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD22	15	0.65	0.3	0.73
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD23	15	0.65	0.3	0.73
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD21	15	0.65	0.3	0.73
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD22	15	0.65	0.3	0.73
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD23	15	0.65	0.3	0.73
(1,2069)	1:82:A:MET:HG3	1:83:A:ASP:H	15	0.65	0.06	0.65
(1,2017)	1:76:A:PRO:HB2	1:77:A:GLU:H	15	0.65	0.04	0.65
(1,2017)	1:76:A:PRO:HB3	1:77:A:GLU:H	15	0.65	0.04	0.65
(1,2048)	1:79:A:LYS:HB2	1:80:A:ALA:H	15	0.65	0.07	0.66
(1,2048)	1:79:A:LYS:HB3	1:80:A:ALA:H	15	0.65	0.07	0.66
(1,2114)	1:86:A:ARG:HB2	1:83:A:ASP:HA	15	0.65	0.07	0.67

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD11	15	0.64	0.05	0.63
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD12	15	0.64	0.05	0.63
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD13	15	0.64	0.05	0.63
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD21	15	0.64	0.05	0.63
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD22	15	0.64	0.05	0.63
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD23	15	0.64	0.05	0.63
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD11	15	0.64	0.05	0.63
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD12	15	0.64	0.05	0.63
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD13	15	0.64	0.05	0.63
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD21	15	0.64	0.05	0.63
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD22	15	0.64	0.05	0.63
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD23	15	0.64	0.05	0.63
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD11	15	0.64	0.05	0.63
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD12	15	0.64	0.05	0.63
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD13	15	0.64	0.05	0.63
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD21	15	0.64	0.05	0.63
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD22	15	0.64	0.05	0.63
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD23	15	0.64	0.05	0.63
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD11	15	0.64	0.05	0.63
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD12	15	0.64	0.05	0.63
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD13	15	0.64	0.05	0.63
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD21	15	0.64	0.05	0.63
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD22	15	0.64	0.05	0.63
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD23	15	0.64	0.05	0.63
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD11	15	0.64	0.05	0.63
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD12	15	0.64	0.05	0.63
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD13	15	0.64	0.05	0.63
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD21	15	0.64	0.05	0.63
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD22	15	0.64	0.05	0.63
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD23	15	0.64	0.05	0.63
(1,1930)	1:65:A:LYS:H	1:67:A:GLU:H	15	0.64	0.07	0.66
(1,1675)	1:16:A:GLY:H	1:18:A:VAL:H	15	0.64	0.08	0.63
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD11	15	0.64	0.19	0.69
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD12	15	0.64	0.19	0.69
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD13	15	0.64	0.19	0.69
(1,906)	1:71:A:LEU:HG	1:72:A:THR:H	15	0.63	0.05	0.62
(1,2097)	1:84:A:GLU:HA	1:83:A:ASP:HB3	15	0.63	0.1	0.63
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG2	15	0.63	0.12	0.68
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG3	15	0.63	0.12	0.68
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG2	15	0.63	0.12	0.68
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG3	15	0.63	0.12	0.68
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG2	15	0.63	0.12	0.68

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG3	15	0.63	0.12	0.68
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG2	15	0.63	0.12	0.68
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG3	15	0.63	0.12	0.68
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG2	15	0.63	0.12	0.68
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG3	15	0.63	0.12	0.68
(1,1424)	1:48:A:ASN:H	1:49:A:GLU:HB2	15	0.63	0.11	0.61
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG11	15	0.63	0.04	0.64
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG12	15	0.63	0.04	0.64
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG13	15	0.63	0.04	0.64
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD11	15	0.63	0.17	0.56
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD12	15	0.63	0.17	0.56
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD13	15	0.63	0.17	0.56
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD11	15	0.63	0.17	0.56
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD12	15	0.63	0.17	0.56
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD13	15	0.63	0.17	0.56
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD21	15	0.63	0.17	0.56
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD22	15	0.63	0.17	0.56
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD23	15	0.63	0.17	0.56
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD11	15	0.63	0.24	0.56
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD12	15	0.63	0.24	0.56
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD13	15	0.63	0.24	0.56
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD21	15	0.63	0.24	0.56
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD22	15	0.63	0.24	0.56
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD23	15	0.63	0.24	0.56
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG21	15	0.62	0.11	0.55
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG22	15	0.62	0.11	0.55
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG23	15	0.62	0.11	0.55
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG21	15	0.62	0.11	0.55
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG22	15	0.62	0.11	0.55
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG23	15	0.62	0.11	0.55
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG21	15	0.62	0.11	0.55
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG22	15	0.62	0.11	0.55
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG23	15	0.62	0.11	0.55
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG21	15	0.62	0.11	0.55
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG22	15	0.62	0.11	0.55
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG23	15	0.62	0.11	0.55
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG21	15	0.62	0.11	0.55
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG22	15	0.62	0.11	0.55
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG23	15	0.62	0.11	0.55
(1,2306)	1:50:A:LEU:H	1:53:A:GLU:H	15	0.62	0.35	0.87
(1,2430)	1:50:A:LEU:H	1:53:A:GLU:H	15	0.62	0.35	0.87
(1,2554)	1:50:A:LEU:H	1:53:A:GLU:H	15	0.62	0.35	0.87

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2678)	1:50:A:LEU:H	1:53:A:GLU:H	15	0.62	0.35	0.87
(1,2802)	1:50:A:LEU:H	1:53:A:GLU:H	15	0.62	0.35	0.87
(1,1907)	1:64:A:LYS:H	1:60:A:GLN:HA	15	0.59	0.13	0.58
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB1	15	0.59	0.14	0.59
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB2	15	0.59	0.14	0.59
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB3	15	0.59	0.14	0.59
(1,2023)	1:77:A:GLU:H	1:75:A:THR:HA	15	0.59	0.08	0.54
(1,1643)	1:13:A:PHE:HB2	1:14:A:ILE:HB	15	0.58	0.18	0.65
(1,1643)	1:13:A:PHE:HB3	1:14:A:ILE:HB	15	0.58	0.18	0.65
(1,1612)	1:8:A:GLU:H	1:7:A:SER:H	15	0.58	0.11	0.64
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG21	15	0.58	0.34	0.64
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG22	15	0.58	0.34	0.64
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG23	15	0.58	0.34	0.64
(1,1243)	1:2:A:PHE:HB3	1:3:A:ASP:H	15	0.58	0.11	0.6
(1,1243)	1:2:A:PHE:HB2	1:3:A:ASP:H	15	0.58	0.11	0.6
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG21	15	0.57	0.04	0.57
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG22	15	0.57	0.04	0.57
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG23	15	0.57	0.04	0.57
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG21	15	0.57	0.04	0.57
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG22	15	0.57	0.04	0.57
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG23	15	0.57	0.04	0.57
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG21	15	0.57	0.19	0.49
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG22	15	0.57	0.19	0.49
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG23	15	0.57	0.19	0.49
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG21	15	0.57	0.19	0.49
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG22	15	0.57	0.19	0.49
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG23	15	0.57	0.19	0.49
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD11	15	0.57	0.09	0.54
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD12	15	0.57	0.09	0.54
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD13	15	0.57	0.09	0.54
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD21	15	0.57	0.09	0.54
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD22	15	0.57	0.09	0.54
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD23	15	0.57	0.09	0.54
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD11	15	0.57	0.07	0.56
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD12	15	0.57	0.07	0.56
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD13	15	0.57	0.07	0.56
(1,1817)	1:46:A:VAL:H	1:43:A:ALA:HA	15	0.57	0.09	0.53
(1,2307)	1:50:A:LEU:H	1:54:A:LEU:HB3	15	0.56	0.33	0.42
(1,2431)	1:50:A:LEU:H	1:54:A:LEU:HB3	15	0.56	0.33	0.42
(1,2555)	1:50:A:LEU:H	1:54:A:LEU:HB3	15	0.56	0.33	0.42
(1,2679)	1:50:A:LEU:H	1:54:A:LEU:HB3	15	0.56	0.33	0.42
(1,2803)	1:50:A:LEU:H	1:54:A:LEU:HB3	15	0.56	0.33	0.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1358)	1:35:A:TRP:HH2	1:36:A:ILE:HG13	15	0.56	0.24	0.77
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG21	15	0.56	0.02	0.56
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG22	15	0.56	0.02	0.56
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG23	15	0.56	0.02	0.56
(1,1993)	1:73:A:ASN:HA	1:72:A:THR:HA	15	0.56	0.01	0.55
(1,1837)	1:49:A:GLU:H	1:48:A:ASN:HA	15	0.55	0.15	0.56
(1,2036)	1:78:A:LEU:H	1:77:A:GLU:HB3	15	0.54	0.27	0.49
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG21	15	0.54	0.15	0.59
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG22	15	0.54	0.15	0.59
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG23	15	0.54	0.15	0.59
(1,1769)	1:37:A:ARG:HA	1:41:A:SER:H	15	0.54	0.09	0.51
(4,126)	1:31:A:THR:O	1:35:A:TRP:N	15	0.53	0.01	0.54
(1,1549)	1:2:A:PHE:HB2	1:2:A:PHE:H	15	0.53	0.08	0.48
(1,1975)	1:71:A:LEU:H	1:72:A:THR:HA	15	0.53	0.32	0.4
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	15	0.52	0.07	0.56
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	15	0.52	0.07	0.56
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	15	0.52	0.07	0.56
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	15	0.52	0.07	0.56
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	15	0.52	0.07	0.56
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	15	0.52	0.07	0.56
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	15	0.52	0.07	0.56
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	15	0.52	0.07	0.56
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	15	0.52	0.07	0.56
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	15	0.52	0.07	0.56
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	15	0.52	0.07	0.56
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	15	0.52	0.07	0.56
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	15	0.52	0.07	0.56
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	15	0.52	0.07	0.56
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	15	0.52	0.07	0.56
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	15	0.52	0.07	0.56
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	15	0.52	0.07	0.56
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	15	0.52	0.07	0.56
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	15	0.52	0.07	0.56
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	15	0.52	0.07	0.56
(1,1529)	1:96:A:TYR:HB2	1:95:A:SER:H	15	0.52	0.02	0.52
(1,1529)	1:96:A:TYR:HB3	1:95:A:SER:H	15	0.52	0.02	0.52
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG2	15	0.51	0.18	0.45
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG3	15	0.51	0.18	0.45
(1,1703)	1:22:A:PRO:HD3	1:23:A:GLN:H	15	0.51	0.04	0.5
(1,1775)	1:39:A:LEU:H	1:36:A:ILE:HA	15	0.51	0.02	0.51
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG21	15	0.5	0.11	0.49
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG22	15	0.5	0.11	0.49

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG23	15	0.5	0.11	0.49
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG11	15	0.5	0.11	0.53
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG12	15	0.5	0.11	0.53
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG13	15	0.5	0.11	0.53
(1,2173)	1:94:A:ARG:HG2	1:95:A:SER:H	15	0.49	0.21	0.49
(1,2119)	1:86:A:ARG:HG3	1:87:A:GLN:H	15	0.48	0.07	0.5
(1,2119)	1:86:A:ARG:HG2	1:87:A:GLN:H	15	0.48	0.07	0.5
(4,129)	1:34:A:GLY:O	1:38:A:ALA:N	15	0.47	0.01	0.47
(1,1621)	1:10:A:LEU:H	1:9:A:LEU:H	15	0.47	0.08	0.49
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG21	15	0.47	0.1	0.43
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG22	15	0.47	0.1	0.43
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG23	15	0.47	0.1	0.43
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB1	15	0.47	0.04	0.48
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB2	15	0.47	0.04	0.48
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB3	15	0.47	0.04	0.48
(1,2096)	1:84:A:GLU:H	1:83:A:ASP:HB2	15	0.47	0.44	0.27
(1,1684)	1:18:A:VAL:H	1:17:A:LEU:HG	15	0.47	0.44	0.29
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG11	15	0.47	0.09	0.44
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG12	15	0.47	0.09	0.44
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG13	15	0.47	0.09	0.44
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD11	15	0.46	0.2	0.36
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD12	15	0.46	0.2	0.36
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD13	15	0.46	0.2	0.36
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD21	15	0.46	0.2	0.36
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD22	15	0.46	0.2	0.36
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD23	15	0.46	0.2	0.36
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD11	15	0.46	0.2	0.36
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD12	15	0.46	0.2	0.36
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD13	15	0.46	0.2	0.36
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD21	15	0.46	0.2	0.36
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD22	15	0.46	0.2	0.36
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD23	15	0.46	0.2	0.36
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB1	15	0.46	0.02	0.47
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB2	15	0.46	0.02	0.47
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB3	15	0.46	0.02	0.47
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB1	15	0.46	0.02	0.47
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB2	15	0.46	0.02	0.47
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB3	15	0.46	0.02	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD11	15	0.46	0.08	0.48
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD12	15	0.46	0.08	0.48
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD13	15	0.46	0.08	0.48
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD21	15	0.46	0.08	0.48

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD22	15	0.46	0.08	0.48
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD23	15	0.46	0.08	0.48
(1,1550)	1:2:A:PHE:HB2	1:2:A:PHE:HA	15	0.45	0.02	0.46
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB1	15	0.45	0.32	0.35
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB2	15	0.45	0.32	0.35
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB3	15	0.45	0.32	0.35
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG11	15	0.44	0.14	0.49
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG12	15	0.44	0.14	0.49
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG13	15	0.44	0.14	0.49
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG21	15	0.44	0.14	0.49
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG22	15	0.44	0.14	0.49
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG23	15	0.44	0.14	0.49
(2,266)	1:74:A:LEU:HB2	1:73:A:ASN:HB3	15	0.44	0.12	0.5
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG11	15	0.43	0.07	0.43
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG12	15	0.43	0.07	0.43
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG13	15	0.43	0.07	0.43
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG21	15	0.43	0.07	0.43
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG22	15	0.43	0.07	0.43
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG23	15	0.43	0.07	0.43
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD11	15	0.43	0.16	0.34
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD12	15	0.43	0.16	0.34
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD13	15	0.43	0.16	0.34
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD21	15	0.43	0.16	0.34
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD22	15	0.43	0.16	0.34
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD23	15	0.43	0.16	0.34
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD11	15	0.43	0.16	0.34
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD12	15	0.43	0.16	0.34
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD13	15	0.43	0.16	0.34
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD21	15	0.43	0.16	0.34
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD22	15	0.43	0.16	0.34
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD23	15	0.43	0.16	0.34
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD11	15	0.43	0.16	0.34
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD12	15	0.43	0.16	0.34
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD13	15	0.43	0.16	0.34
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD21	15	0.43	0.16	0.34
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD22	15	0.43	0.16	0.34
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD23	15	0.43	0.16	0.34
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD11	15	0.43	0.16	0.34
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD12	15	0.43	0.16	0.34
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD13	15	0.43	0.16	0.34
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD21	15	0.43	0.16	0.34
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD22	15	0.43	0.16	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD23	15	0.43	0.16	0.34
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD11	15	0.43	0.16	0.34
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD12	15	0.43	0.16	0.34
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD13	15	0.43	0.16	0.34
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD21	15	0.43	0.16	0.34
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD22	15	0.43	0.16	0.34
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD23	15	0.43	0.16	0.34
(1,2267)	1:22:A:PRO:HG2	1:24:A:ARG:H	15	0.42	0.06	0.4
(1,2267)	1:22:A:PRO:HG3	1:24:A:ARG:H	15	0.42	0.06	0.4
(1,2391)	1:22:A:PRO:HG2	1:24:A:ARG:H	15	0.42	0.06	0.4
(1,2391)	1:22:A:PRO:HG3	1:24:A:ARG:H	15	0.42	0.06	0.4
(1,2515)	1:22:A:PRO:HG2	1:24:A:ARG:H	15	0.42	0.06	0.4
(1,2515)	1:22:A:PRO:HG3	1:24:A:ARG:H	15	0.42	0.06	0.4
(1,2639)	1:22:A:PRO:HG2	1:24:A:ARG:H	15	0.42	0.06	0.4
(1,2639)	1:22:A:PRO:HG3	1:24:A:ARG:H	15	0.42	0.06	0.4
(1,2763)	1:22:A:PRO:HG2	1:24:A:ARG:H	15	0.42	0.06	0.4
(1,2763)	1:22:A:PRO:HG3	1:24:A:ARG:H	15	0.42	0.06	0.4
(1,2089)	1:83:A:ASP:HA	1:87:A:GLN:H	15	0.41	0.06	0.4
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB1	15	0.41	0.09	0.43
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB2	15	0.41	0.09	0.43
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB3	15	0.41	0.09	0.43
(1,1879)	1:61:A:ASP:HB2	1:58:A:GLU:HA	15	0.41	0.11	0.38
(1,1879)	1:61:A:ASP:HB3	1:58:A:GLU:HA	15	0.41	0.11	0.38
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG21	15	0.4	0.03	0.4
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG22	15	0.4	0.03	0.4
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG23	15	0.4	0.03	0.4
(1,2029)	1:77:A:GLU:H	1:78:A:LEU:H	15	0.4	0.09	0.45
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB2	15	0.4	0.16	0.36
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB3	15	0.4	0.16	0.36
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG21	15	0.4	0.11	0.34
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG22	15	0.4	0.11	0.34
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG23	15	0.4	0.11	0.34
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG21	15	0.4	0.35	0.3
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG22	15	0.4	0.35	0.3
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG23	15	0.4	0.35	0.3
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD11	15	0.4	0.28	0.29
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD12	15	0.4	0.28	0.29
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD13	15	0.4	0.28	0.29
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD11	15	0.4	0.28	0.29
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD12	15	0.4	0.28	0.29
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD13	15	0.4	0.28	0.29
(1,1941)	1:67:A:GLU:H	1:63:A:LEU:HA	15	0.4	0.05	0.4

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1626)	1:11:A:LEU:H	1:10:A:LEU:H	15	0.39	0.08	0.35
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	15	0.39	0.05	0.4
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	15	0.39	0.05	0.4
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	15	0.39	0.05	0.4
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	15	0.39	0.05	0.4
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	15	0.39	0.05	0.4
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	15	0.39	0.05	0.4
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	15	0.39	0.05	0.4
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	15	0.39	0.05	0.4
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	15	0.39	0.05	0.4
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	15	0.39	0.05	0.4
(1,1668)	1:15:A:ILE:HA	1:18:A:VAL:H	15	0.39	0.08	0.36
(1,1658)	1:14:A:ILE:HB	1:15:A:ILE:H	15	0.39	0.12	0.33
(1,1492)	1:82:A:MET:HB2	1:81:A:SER:H	15	0.38	0.05	0.39
(1,1492)	1:82:A:MET:HB3	1:81:A:SER:H	15	0.38	0.05	0.39
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG21	15	0.37	0.03	0.37
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG22	15	0.37	0.03	0.37
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG23	15	0.37	0.03	0.37
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG21	15	0.37	0.03	0.37
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG22	15	0.37	0.03	0.37
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG23	15	0.37	0.03	0.37
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG21	15	0.37	0.03	0.37
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG22	15	0.37	0.03	0.37
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG23	15	0.37	0.03	0.37
(4,135)	1:40:A:ARG:O	1:44:A:THR:N	15	0.37	0.04	0.35
(1,1671)	1:15:A:ILE:HA	1:19:A:VAL:H	15	0.37	0.09	0.34
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB1	15	0.36	0.05	0.39
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB2	15	0.36	0.05	0.39
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB3	15	0.36	0.05	0.39
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB1	15	0.36	0.05	0.39
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB2	15	0.36	0.05	0.39
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB3	15	0.36	0.05	0.39
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB1	15	0.36	0.05	0.39
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB2	15	0.36	0.05	0.39
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB3	15	0.36	0.05	0.39
(1,1691)	1:20:A:LEU:H	1:19:A:VAL:HB	15	0.36	0.08	0.38
(1,1779)	1:40:A:ARG:H	1:41:A:SER:H	15	0.36	0.03	0.36
(1,2076)	1:83:A:ASP:H	1:79:A:LYS:HA	15	0.35	0.08	0.33
(1,1822)	1:46:A:VAL:H	1:47:A:GLN:H	15	0.35	0.07	0.35
(1,1579)	1:4:A:ILE:HG12	1:5:A:GLY:H	15	0.34	0.28	0.25
(1,1579)	1:4:A:ILE:HG13	1:5:A:GLY:H	15	0.34	0.28	0.25
(4,31)	1:31:A:THR:O	1:35:A:TRP:H	15	0.34	0.01	0.35

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,147)	1:65:A:LYS:O	1:69:A:ALA:N	15	0.34	0.04	0.36
(4,144)	1:62:A:SER:O	1:66:A:VAL:N	15	0.34	0.02	0.34
(1,2188)	1:96:A:TYR:HB3	1:97:A:VAL:HA	15	0.34	0.06	0.32
(1,2188)	1:96:A:TYR:HB2	1:97:A:VAL:HA	15	0.34	0.06	0.32
(1,2156)	1:92:A:MET:HB2	1:93:A:LYS:H	15	0.32	0.04	0.31
(4,130)	1:35:A:TRP:O	1:39:A:LEU:N	15	0.32	0.02	0.31
(1,2111)	1:85:A:LEU:HB2	1:86:A:ARG:H	15	0.32	0.02	0.31
(1,2111)	1:85:A:LEU:HB3	1:86:A:ARG:H	15	0.32	0.02	0.31
(4,146)	1:64:A:LYS:O	1:68:A:LYS:N	15	0.32	0.03	0.32
(4,162)	1:88:A:ALA:O	1:92:A:MET:N	15	0.32	0.01	0.32
(1,2229)	1:101:A:PRO:HD2	1:102:A:LEU:H	15	0.32	0.06	0.29
(1,2229)	1:101:A:PRO:HD3	1:102:A:LEU:H	15	0.32	0.06	0.29
(4,112)	1:7:A:SER:O	1:11:A:LEU:N	15	0.31	0.05	0.33
(4,157)	1:83:A:ASP:O	1:87:A:GLN:N	15	0.31	0.01	0.31
(4,133)	1:38:A:ALA:O	1:42:A:LEU:N	15	0.3	0.02	0.31
(1,1321)	1:26:A:PRO:HB2	1:30:A:LYS:HG3	15	0.3	0.04	0.29
(1,1321)	1:26:A:PRO:HB3	1:30:A:LYS:HG3	15	0.3	0.04	0.29
(4,131)	1:36:A:ILE:O	1:40:A:ARG:N	15	0.3	0.02	0.29
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB1	15	0.3	0.04	0.3
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB2	15	0.3	0.04	0.3
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB3	15	0.3	0.04	0.3
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG2	15	0.3	0.01	0.3
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG3	15	0.3	0.01	0.3
(1,1718)	1:27:A:VAL:H	1:25:A:LEU:HA	15	0.3	0.01	0.3
(4,151)	1:77:A:GLU:O	1:81:A:SER:N	15	0.29	0.03	0.3
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB2	15	0.29	0.02	0.29
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB3	15	0.29	0.02	0.29
(1,1916)	1:65:A:LYS:H	1:61:A:ASP:HA	15	0.29	0.08	0.28
(4,154)	1:80:A:ALA:O	1:84:A:GLU:N	15	0.29	0.01	0.29
(4,158)	1:84:A:GLU:O	1:88:A:ALA:N	15	0.28	0.01	0.28
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB2	15	0.28	0.06	0.31
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB3	15	0.28	0.06	0.31
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB1	15	0.28	0.08	0.27
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB2	15	0.28	0.08	0.27
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB3	15	0.28	0.08	0.27
(1,1996)	1:73:A:ASN:HB2	1:74:A:LEU:HA	15	0.28	0.05	0.25
(1,1996)	1:73:A:ASN:HB3	1:74:A:LEU:HA	15	0.28	0.05	0.25
(4,128)	1:33:A:ALA:O	1:37:A:ARG:N	15	0.28	0.02	0.27
(1,2031)	1:77:A:GLU:HA	1:80:A:ALA:H	15	0.27	0.08	0.23
(4,165)	1:91:A:SER:O	1:95:A:SER:N	15	0.26	0.02	0.26
(4,37)	1:34:A:GLY:O	1:38:A:ALA:H	15	0.26	0.01	0.26
(1,1363)	1:35:A:TRP:HD1	1:36:A:ILE:H	15	0.26	0.03	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,142)	1:60:A:GLN:O	1:64:A:LYS:N	15	0.26	0.05	0.25
(4,124)	1:29:A:VAL:O	1:33:A:ALA:N	15	0.26	0.02	0.26
(4,122)	1:27:A:VAL:O	1:31:A:THR:N	15	0.26	0.03	0.25
(4,137)	1:42:A:LEU:O	1:46:A:VAL:N	15	0.26	0.04	0.28
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB1	15	0.25	0.04	0.25
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB2	15	0.25	0.04	0.25
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB3	15	0.25	0.04	0.25
(4,140)	1:58:A:GLU:O	1:62:A:SER:N	15	0.25	0.1	0.23
(4,121)	1:26:A:PRO:O	1:30:A:LYS:N	15	0.24	0.01	0.24
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB1	15	0.24	0.02	0.24
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB2	15	0.24	0.02	0.24
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB3	15	0.24	0.02	0.24
(1,2174)	1:94:A:ARG:HB2	1:95:A:SER:H	15	0.24	0.05	0.23
(1,2174)	1:94:A:ARG:HB3	1:95:A:SER:H	15	0.24	0.05	0.23
(4,32)	1:31:A:THR:O	1:35:A:TRP:N	15	0.23	0.01	0.24
(4,117)	1:12:A:VAL:O	1:16:A:GLY:N	15	0.23	0.03	0.23
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD11	15	0.22	0.08	0.21
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD12	15	0.22	0.08	0.21
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD13	15	0.22	0.08	0.21
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD21	15	0.22	0.08	0.21
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD22	15	0.22	0.08	0.21
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD23	15	0.22	0.08	0.21
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD11	15	0.22	0.08	0.21
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD12	15	0.22	0.08	0.21
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD13	15	0.22	0.08	0.21
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD21	15	0.22	0.08	0.21
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD22	15	0.22	0.08	0.21
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD23	15	0.22	0.08	0.21
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD11	15	0.22	0.08	0.21
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD12	15	0.22	0.08	0.21
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD13	15	0.22	0.08	0.21
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD21	15	0.22	0.08	0.21
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD22	15	0.22	0.08	0.21
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD23	15	0.22	0.08	0.21
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD11	15	0.22	0.08	0.21
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD12	15	0.22	0.08	0.21
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD13	15	0.22	0.08	0.21
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD21	15	0.22	0.08	0.21
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD22	15	0.22	0.08	0.21
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD23	15	0.22	0.08	0.21
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD11	15	0.22	0.08	0.21
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD12	15	0.22	0.08	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD13	15	0.22	0.08	0.21
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD21	15	0.22	0.08	0.21
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD22	15	0.22	0.08	0.21
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD23	15	0.22	0.08	0.21
(1,1796)	1:43:A:ALA:H	1:42:A:LEU:H	15	0.22	0.02	0.21
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG21	15	0.22	0.02	0.22
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG22	15	0.22	0.02	0.22
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG23	15	0.22	0.02	0.22
(4,159)	1:85:A:LEU:O	1:89:A:ALA:N	15	0.22	0.01	0.21
(4,163)	1:89:A:ALA:O	1:93:A:LYS:N	15	0.22	0.03	0.21
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG21	15	0.21	0.05	0.23
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG22	15	0.21	0.05	0.23
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG23	15	0.21	0.05	0.23
(1,139)	1:69:A:ALA:H	1:66:A:VAL:HB	15	0.21	0.05	0.2
(4,53)	1:42:A:LEU:O	1:46:A:VAL:H	15	0.2	0.06	0.2
(2,138)	1:35:A:TRP:H	1:32:A:VAL:HB	15	0.19	0.01	0.2
(4,153)	1:79:A:LYS:O	1:83:A:ASP:N	15	0.19	0.03	0.19
(4,123)	1:28:A:ALA:O	1:32:A:VAL:N	15	0.19	0.05	0.2
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB1	15	0.19	0.02	0.19
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB2	15	0.19	0.02	0.19
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB3	15	0.19	0.02	0.19
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG11	15	0.18	0.04	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG12	15	0.18	0.04	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG13	15	0.18	0.04	0.14
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB2	15	0.18	0.07	0.16
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB3	15	0.18	0.07	0.16
(4,38)	1:34:A:GLY:O	1:38:A:ALA:N	15	0.17	0.01	0.17
(1,756)	1:86:A:ARG:HG3	1:90:A:GLU:H	15	0.16	0.01	0.16
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB1	15	0.16	0.04	0.15
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB2	15	0.16	0.04	0.15
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB3	15	0.16	0.04	0.15
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG21	15	0.15	0.01	0.15
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG22	15	0.15	0.01	0.15
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG23	15	0.15	0.01	0.15
(1,766)	1:87:A:GLN:HA	1:90:A:GLU:H	15	0.15	0.01	0.16
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG11	15	0.15	0.0	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG12	15	0.15	0.0	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG13	15	0.15	0.0	0.15
(1,48)	1:25:A:LEU:HA	1:26:A:PRO:HG2	15	0.15	0.01	0.15
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD21	15	0.14	0.04	0.13
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD22	15	0.14	0.04	0.13
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD23	15	0.14	0.04	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD21	15	0.14	0.04	0.13
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD22	15	0.14	0.04	0.13
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD23	15	0.14	0.04	0.13
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD21	15	0.14	0.04	0.13
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD22	15	0.14	0.04	0.13
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD23	15	0.14	0.04	0.13
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD21	15	0.14	0.04	0.13
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD22	15	0.14	0.04	0.13
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD23	15	0.14	0.04	0.13
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD21	15	0.14	0.04	0.13
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD22	15	0.14	0.04	0.13
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD23	15	0.14	0.04	0.13
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA2	15	0.14	0.0	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA3	15	0.14	0.0	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA2	15	0.14	0.0	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA3	15	0.14	0.0	0.14
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG11	15	0.14	0.02	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG12	15	0.14	0.02	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG13	15	0.14	0.02	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG21	15	0.14	0.02	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG22	15	0.14	0.02	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG23	15	0.14	0.02	0.13
(1,169)	1:85:A:LEU:H	1:86:A:ARG:HA	15	0.13	0.01	0.13
(1,179)	1:90:A:GLU:H	1:86:A:ARG:H	15	0.13	0.01	0.13
(1,401)	1:33:A:ALA:H	1:31:A:THR:H	15	0.13	0.01	0.13
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD11	15	0.13	0.01	0.12
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD12	15	0.13	0.01	0.12
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD13	15	0.13	0.01	0.12
(1,776)	1:90:A:GLU:H	1:87:A:GLN:H	15	0.12	0.01	0.12
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD2	15	0.1	0.0	0.1
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD3	15	0.1	0.0	0.1
(1,1589)	1:6:A:PHE:HE1	1:4:A:ILE:HA	14	2.03	0.35	2.11
(1,1589)	1:6:A:PHE:HE2	1:4:A:ILE:HA	14	2.03	0.35	2.11
(1,2210)	1:97:A:VAL:HA	1:100:A:ASP:H	14	1.85	0.38	2.02
(1,1955)	1:68:A:LYS:HG2	1:69:A:ALA:H	14	1.81	0.54	2.01
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD2	14	1.77	0.34	1.96
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD3	14	1.77	0.34	1.96
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD2	14	1.74	0.06	1.75
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD3	14	1.74	0.06	1.75
(1,1604)	1:8:A:GLU:HB2	1:4:A:ILE:HA	14	1.64	0.26	1.71
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD11	14	1.61	0.55	1.85
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD12	14	1.61	0.55	1.85

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD13	14	1.61	0.55	1.85
(1,1868)	1:57:A:GLN:H	1:56:A:LEU:HG	14	1.52	0.47	1.68
(1,1593)	1:6:A:PHE:HB3	1:7:A:SER:H	14	1.47	0.05	1.48
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB1	14	1.41	0.49	1.58
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB2	14	1.41	0.49	1.58
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB3	14	1.41	0.49	1.58
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD11	14	1.38	0.7	1.72
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD12	14	1.38	0.7	1.72
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD13	14	1.38	0.7	1.72
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD2	14	1.35	0.62	1.54
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD3	14	1.35	0.62	1.54
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB1	14	1.26	0.16	1.22
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB2	14	1.26	0.16	1.22
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB3	14	1.26	0.16	1.22
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB1	14	1.26	0.16	1.22
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB2	14	1.26	0.16	1.22
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB3	14	1.26	0.16	1.22
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB1	14	1.26	0.16	1.22
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB2	14	1.26	0.16	1.22
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB3	14	1.26	0.16	1.22
(1,1866)	1:56:A:LEU:HB2	1:60:A:GLN:HE21	14	1.2	0.49	1.19
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD11	14	1.19	0.22	1.21
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD12	14	1.19	0.22	1.21
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD13	14	1.19	0.22	1.21
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD11	14	1.19	0.22	1.21
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD12	14	1.19	0.22	1.21
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD13	14	1.19	0.22	1.21
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD11	14	1.19	0.22	1.21
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD12	14	1.19	0.22	1.21
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD13	14	1.19	0.22	1.21
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG11	14	1.16	0.13	1.19
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG12	14	1.16	0.13	1.19
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG13	14	1.16	0.13	1.19
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG21	14	1.16	0.13	1.19
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG22	14	1.16	0.13	1.19
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG23	14	1.16	0.13	1.19
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG21	14	1.13	0.08	1.1
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG22	14	1.13	0.08	1.1
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG23	14	1.13	0.08	1.1
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG21	14	1.13	0.08	1.1
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG22	14	1.13	0.08	1.1
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG23	14	1.13	0.08	1.1

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG21	14	1.13	0.08	1.1
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG22	14	1.13	0.08	1.1
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG23	14	1.13	0.08	1.1
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG21	14	1.13	0.08	1.1
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG22	14	1.13	0.08	1.1
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG23	14	1.13	0.08	1.1
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG21	14	1.13	0.08	1.1
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG22	14	1.13	0.08	1.1
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG23	14	1.13	0.08	1.1
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG21	14	1.13	0.08	1.1
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG22	14	1.13	0.08	1.1
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG23	14	1.13	0.08	1.1
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG21	14	1.13	0.08	1.1
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG22	14	1.13	0.08	1.1
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG23	14	1.13	0.08	1.1
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG21	14	1.13	0.08	1.1
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG22	14	1.13	0.08	1.1
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG23	14	1.13	0.08	1.1
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG21	14	1.13	0.08	1.1
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG22	14	1.13	0.08	1.1
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG23	14	1.13	0.08	1.1
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG21	14	1.13	0.08	1.1
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG22	14	1.13	0.08	1.1
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG23	14	1.13	0.08	1.1
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG21	14	1.1	0.01	1.1
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG22	14	1.1	0.01	1.1
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG23	14	1.1	0.01	1.1
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	14	1.06	0.06	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	14	1.06	0.06	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	14	1.06	0.06	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	14	1.06	0.06	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	14	1.06	0.06	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	14	1.06	0.06	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	14	1.06	0.06	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	14	1.06	0.06	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	14	1.06	0.06	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	14	1.06	0.06	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	14	1.06	0.06	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	14	1.06	0.06	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	14	1.06	0.06	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	14	1.06	0.06	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	14	1.06	0.06	1.04

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	14	1.06	0.06	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	14	1.06	0.06	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	14	1.06	0.06	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	14	1.06	0.06	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	14	1.06	0.06	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	14	1.06	0.06	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	14	1.06	0.06	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	14	1.06	0.06	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	14	1.06	0.06	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	14	1.06	0.06	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	14	1.06	0.06	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	14	1.06	0.06	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	14	1.06	0.06	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	14	1.06	0.06	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	14	1.06	0.06	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	14	1.06	0.06	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	14	1.06	0.06	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	14	1.06	0.06	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	14	1.06	0.06	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	14	1.06	0.06	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	14	1.06	0.06	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	14	1.06	0.06	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	14	1.06	0.06	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	14	1.06	0.06	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	14	1.06	0.06	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	14	1.06	0.06	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	14	1.06	0.06	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	14	1.06	0.06	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	14	1.06	0.06	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	14	1.06	0.06	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	14	1.06	0.06	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	14	1.06	0.06	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	14	1.06	0.06	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	14	1.06	0.06	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	14	1.06	0.06	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	14	1.06	0.06	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	14	1.06	0.06	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	14	1.06	0.06	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	14	1.06	0.06	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	14	1.06	0.06	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	14	1.06	0.06	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	14	1.06	0.06	1.04

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	14	1.06	0.06	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	14	1.06	0.06	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	14	1.06	0.06	1.04
(1,2283)	1:45:A:THR:HA	1:50:A:LEU:H	14	1.02	0.05	1.02
(1,2407)	1:45:A:THR:HA	1:50:A:LEU:H	14	1.02	0.05	1.02
(1,2531)	1:45:A:THR:HA	1:50:A:LEU:H	14	1.02	0.05	1.02
(1,2655)	1:45:A:THR:HA	1:50:A:LEU:H	14	1.02	0.05	1.02
(1,2779)	1:45:A:THR:HA	1:50:A:LEU:H	14	1.02	0.05	1.02
(1,2323)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	14	1.01	0.34	1.12
(1,2323)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	14	1.01	0.34	1.12
(1,2447)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	14	1.01	0.34	1.12
(1,2447)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	14	1.01	0.34	1.12
(1,2571)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	14	1.01	0.34	1.12
(1,2571)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	14	1.01	0.34	1.12
(1,2695)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	14	1.01	0.34	1.12
(1,2695)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	14	1.01	0.34	1.12
(1,2819)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	14	1.01	0.34	1.12
(1,2819)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	14	1.01	0.34	1.12
(1,1578)	1:4:A:ILE:HA	1:5:A:GLY:H	14	1.01	0.08	1.03
(1,2305)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	14	1.0	0.22	1.06
(1,2305)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	14	1.0	0.22	1.06
(1,2305)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	14	1.0	0.22	1.06
(1,2429)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	14	1.0	0.22	1.06
(1,2429)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	14	1.0	0.22	1.06
(1,2429)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	14	1.0	0.22	1.06
(1,2553)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	14	1.0	0.22	1.06
(1,2553)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	14	1.0	0.22	1.06
(1,2553)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	14	1.0	0.22	1.06
(1,2677)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	14	1.0	0.22	1.06
(1,2677)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	14	1.0	0.22	1.06
(1,2677)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	14	1.0	0.22	1.06
(1,2801)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	14	1.0	0.22	1.06
(1,2801)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	14	1.0	0.22	1.06
(1,2801)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	14	1.0	0.22	1.06
(1,2330)	1:57:A:GLN:H	1:54:A:LEU:HA	14	0.99	0.1	1.04
(1,2454)	1:57:A:GLN:H	1:54:A:LEU:HA	14	0.99	0.1	1.04
(1,2578)	1:57:A:GLN:H	1:54:A:LEU:HA	14	0.99	0.1	1.04
(1,2702)	1:57:A:GLN:H	1:54:A:LEU:HA	14	0.99	0.1	1.04
(1,2826)	1:57:A:GLN:H	1:54:A:LEU:HA	14	0.99	0.1	1.04
(1,2252)	1:17:A:LEU:HA	1:24:A:ARG:HE	14	0.98	0.18	1.03
(1,2376)	1:17:A:LEU:HA	1:24:A:ARG:HE	14	0.98	0.18	1.03
(1,2500)	1:17:A:LEU:HA	1:24:A:ARG:HE	14	0.98	0.18	1.03

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2624)	1:17:A:LEU:HA	1:24:A:ARG:HE	14	0.98	0.18	1.03
(1,2748)	1:17:A:LEU:HA	1:24:A:ARG:HE	14	0.98	0.18	1.03
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD11	14	0.97	0.13	0.99
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD12	14	0.97	0.13	0.99
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD13	14	0.97	0.13	0.99
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD21	14	0.97	0.13	0.99
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD22	14	0.97	0.13	0.99
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD23	14	0.97	0.13	0.99
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD11	14	0.97	0.13	0.99
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD12	14	0.97	0.13	0.99
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD13	14	0.97	0.13	0.99
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD21	14	0.97	0.13	0.99
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD22	14	0.97	0.13	0.99
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD23	14	0.97	0.13	0.99
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD11	14	0.97	0.13	0.99
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD12	14	0.97	0.13	0.99
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD13	14	0.97	0.13	0.99
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD21	14	0.97	0.13	0.99
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD22	14	0.97	0.13	0.99
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD23	14	0.97	0.13	0.99
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD11	14	0.97	0.13	0.99
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD12	14	0.97	0.13	0.99
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD13	14	0.97	0.13	0.99
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD21	14	0.97	0.13	0.99
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD22	14	0.97	0.13	0.99
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD23	14	0.97	0.13	0.99
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD11	14	0.97	0.13	0.99
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD12	14	0.97	0.13	0.99
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD13	14	0.97	0.13	0.99
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD21	14	0.97	0.13	0.99
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD22	14	0.97	0.13	0.99
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD23	14	0.97	0.13	0.99
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD1	14	0.89	0.34	1.0
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD2	14	0.89	0.34	1.0
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD21	14	0.88	0.24	0.93
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD22	14	0.88	0.24	0.93
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD23	14	0.88	0.24	0.93
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD21	14	0.88	0.24	0.93
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD22	14	0.88	0.24	0.93
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD23	14	0.88	0.24	0.93
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD21	14	0.88	0.24	0.93
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD22	14	0.88	0.24	0.93

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD23	14	0.88	0.24	0.93
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD21	14	0.88	0.24	0.93
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD22	14	0.88	0.24	0.93
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD23	14	0.88	0.24	0.93
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD21	14	0.88	0.24	0.93
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD22	14	0.88	0.24	0.93
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD23	14	0.88	0.24	0.93
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG21	14	0.86	0.35	0.78
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG22	14	0.86	0.35	0.78
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG23	14	0.86	0.35	0.78
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD21	14	0.82	0.21	0.79
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD22	14	0.82	0.21	0.79
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD23	14	0.82	0.21	0.79
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD21	14	0.82	0.21	0.79
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD22	14	0.82	0.21	0.79
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD23	14	0.82	0.21	0.79
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD21	14	0.82	0.21	0.79
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD22	14	0.82	0.21	0.79
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD23	14	0.82	0.21	0.79
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD21	14	0.82	0.21	0.79
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD22	14	0.82	0.21	0.79
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD23	14	0.82	0.21	0.79
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD21	14	0.82	0.21	0.79
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD22	14	0.82	0.21	0.79
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD23	14	0.82	0.21	0.79
(1,1873)	1:60:A:GLN:HG2	1:61:A:ASP:H	14	0.8	0.15	0.81
(1,1873)	1:60:A:GLN:HG3	1:61:A:ASP:H	14	0.8	0.15	0.81
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG11	14	0.79	0.41	0.74
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG12	14	0.79	0.41	0.74
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG13	14	0.79	0.41	0.74
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE2	14	0.74	0.44	0.72
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE3	14	0.74	0.44	0.72
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	14	0.72	0.21	0.6
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	14	0.72	0.21	0.6
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	14	0.72	0.21	0.6
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	14	0.72	0.21	0.6
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	14	0.72	0.21	0.6
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	14	0.72	0.21	0.6
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	14	0.72	0.21	0.6
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	14	0.72	0.21	0.6
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	14	0.72	0.21	0.6
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	14	0.72	0.21	0.6

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	14	0.72	0.21	0.6
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	14	0.72	0.21	0.6
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	14	0.72	0.21	0.6
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	14	0.72	0.21	0.6
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	14	0.72	0.21	0.6
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	14	0.72	0.21	0.6
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	14	0.72	0.21	0.6
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	14	0.72	0.21	0.6
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	14	0.72	0.21	0.6
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	14	0.72	0.21	0.6
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	14	0.72	0.21	0.6
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	14	0.72	0.21	0.6
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	14	0.72	0.21	0.6
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	14	0.72	0.21	0.6
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	14	0.72	0.21	0.6
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	14	0.72	0.21	0.6
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	14	0.72	0.21	0.6
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	14	0.72	0.21	0.6
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	14	0.72	0.21	0.6
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	14	0.72	0.21	0.6
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	14	0.72	0.2	0.65
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	14	0.72	0.2	0.65
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	14	0.72	0.2	0.65
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	14	0.72	0.2	0.65
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	14	0.72	0.2	0.65
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	14	0.72	0.2	0.65
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	14	0.72	0.2	0.65
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	14	0.72	0.2	0.65
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	14	0.72	0.2	0.65
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	14	0.72	0.2	0.65
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	14	0.72	0.2	0.65
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	14	0.72	0.2	0.65
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	14	0.72	0.2	0.65
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	14	0.72	0.2	0.65
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	14	0.72	0.2	0.65
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	14	0.72	0.2	0.65
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	14	0.72	0.2	0.65
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	14	0.72	0.2	0.65
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	14	0.72	0.2	0.65
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	14	0.72	0.2	0.65
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	14	0.72	0.2	0.65
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	14	0.72	0.2	0.65

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	14	0.72	0.2	0.65
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	14	0.72	0.2	0.65
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	14	0.72	0.2	0.65
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	14	0.72	0.2	0.65
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	14	0.72	0.2	0.65
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	14	0.72	0.2	0.65
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	14	0.72	0.2	0.65
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	14	0.72	0.2	0.65
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	14	0.72	0.2	0.65
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	14	0.72	0.2	0.65
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	14	0.72	0.2	0.65
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	14	0.72	0.2	0.65
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	14	0.72	0.2	0.65
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	14	0.72	0.2	0.65
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	14	0.72	0.2	0.65
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	14	0.72	0.2	0.65
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	14	0.72	0.2	0.65
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	14	0.72	0.2	0.65
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	14	0.72	0.2	0.65
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	14	0.72	0.2	0.65
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	14	0.72	0.2	0.65
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	14	0.72	0.2	0.65
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	14	0.72	0.2	0.65
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	14	0.72	0.2	0.65
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	14	0.72	0.2	0.65
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	14	0.72	0.2	0.65
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	14	0.72	0.2	0.65
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	14	0.72	0.2	0.65
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	14	0.72	0.2	0.65
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	14	0.72	0.2	0.65
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	14	0.72	0.2	0.65
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	14	0.72	0.2	0.65
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	14	0.72	0.2	0.65
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	14	0.72	0.2	0.65
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	14	0.72	0.2	0.65
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	14	0.72	0.2	0.65
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	14	0.72	0.2	0.65
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	14	0.72	0.2	0.65
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB2	14	0.71	0.18	0.69
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB3	14	0.71	0.18	0.69
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG11	14	0.68	0.06	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG12	14	0.68	0.06	0.7

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG13	14	0.68	0.06	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG21	14	0.68	0.06	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG22	14	0.68	0.06	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG23	14	0.68	0.06	0.7
(1,1324)	1:27:A:VAL:HB	1:24:A:ARG:HA	14	0.67	0.04	0.68
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG11	14	0.63	0.03	0.62
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG12	14	0.63	0.03	0.62
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG13	14	0.63	0.03	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD11	14	0.62	0.02	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD12	14	0.62	0.02	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD13	14	0.62	0.02	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD21	14	0.62	0.02	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD22	14	0.62	0.02	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD23	14	0.62	0.02	0.62
(1,1592)	1:6:A:PHE:H	1:5:A:GLY:H	14	0.62	0.14	0.66
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD11	14	0.6	0.27	0.56
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD12	14	0.6	0.27	0.56
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD13	14	0.6	0.27	0.56
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD11	14	0.58	0.18	0.52
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD12	14	0.58	0.18	0.52
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD13	14	0.58	0.18	0.52
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD11	14	0.58	0.18	0.52
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD12	14	0.58	0.18	0.52
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD13	14	0.58	0.18	0.52
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD11	14	0.58	0.18	0.52
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD12	14	0.58	0.18	0.52
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD13	14	0.58	0.18	0.52
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD11	14	0.58	0.18	0.52
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD12	14	0.58	0.18	0.52
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD13	14	0.58	0.18	0.52
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD11	14	0.58	0.18	0.52
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD12	14	0.58	0.18	0.52
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD13	14	0.58	0.18	0.52
(1,1542)	1:1:A:MET:HE1	1:2:A:PHE:H	14	0.55	0.16	0.55
(1,1542)	1:1:A:MET:HE2	1:2:A:PHE:H	14	0.55	0.16	0.55
(1,1542)	1:1:A:MET:HE3	1:2:A:PHE:H	14	0.55	0.16	0.55
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG3	14	0.52	0.01	0.53
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG2	14	0.52	0.01	0.53
(1,2177)	1:94:A:ARG:HA	1:97:A:VAL:HB	14	0.51	0.49	0.38
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB2	14	0.45	0.03	0.44
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB3	14	0.45	0.03	0.44
(1,1823)	1:46:A:VAL:HA	1:48:A:ASN:H	14	0.44	0.25	0.4

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG21	14	0.43	0.26	0.37
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG22	14	0.43	0.26	0.37
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG23	14	0.43	0.26	0.37
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG21	14	0.43	0.26	0.37
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG22	14	0.43	0.26	0.37
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG23	14	0.43	0.26	0.37
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG21	14	0.43	0.26	0.37
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG22	14	0.43	0.26	0.37
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG23	14	0.43	0.26	0.37
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG21	14	0.43	0.26	0.37
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG22	14	0.43	0.26	0.37
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG23	14	0.43	0.26	0.37
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG21	14	0.43	0.26	0.37
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG22	14	0.43	0.26	0.37
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG23	14	0.43	0.26	0.37
(1,991)	1:11:A:LEU:H	1:9:A:LEU:HA	14	0.41	0.1	0.41
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB1	14	0.41	0.04	0.4
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB2	14	0.41	0.04	0.4
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB3	14	0.41	0.04	0.4
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB1	14	0.41	0.04	0.4
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB2	14	0.41	0.04	0.4
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB3	14	0.41	0.04	0.4
(1,930)	1:42:A:LEU:HD11	1:45:A:THR:H	14	0.39	0.09	0.43
(1,930)	1:42:A:LEU:HD12	1:45:A:THR:H	14	0.39	0.09	0.43
(1,930)	1:42:A:LEU:HD13	1:45:A:THR:H	14	0.39	0.09	0.43
(1,930)	1:42:A:LEU:HD21	1:45:A:THR:H	14	0.39	0.09	0.43
(1,930)	1:42:A:LEU:HD22	1:45:A:THR:H	14	0.39	0.09	0.43
(1,930)	1:42:A:LEU:HD23	1:45:A:THR:H	14	0.39	0.09	0.43
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG12	14	0.34	0.02	0.34
(1,1244)	1:2:A:PHE:HB3	1:4:A:ILE:HG12	14	0.34	0.02	0.34
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG13	14	0.34	0.02	0.34
(1,1909)	1:64:A:LYS:H	1:62:A:SER:HA	14	0.34	0.08	0.34
(1,1568)	1:3:A:ASP:HB2	1:4:A:ILE:H	14	0.3	0.32	0.18
(1,1563)	1:3:A:ASP:HB3	1:3:A:ASP:HA	14	0.29	0.03	0.27
(4,141)	1:59:A:PHE:O	1:63:A:LEU:N	14	0.28	0.05	0.29
(4,118)	1:14:A:ILE:O	1:18:A:VAL:N	14	0.26	0.06	0.29
(1,1737)	1:29:A:VAL:HA	1:33:A:ALA:H	14	0.26	0.02	0.26
(4,155)	1:81:A:SER:O	1:85:A:LEU:N	14	0.24	0.01	0.24
(1,1850)	1:52:A:GLN:H	1:51:A:THR:H	14	0.23	0.05	0.2
(1,1587)	1:6:A:PHE:H	1:4:A:ILE:HA	14	0.21	0.08	0.19
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	14	0.21	0.03	0.22
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	14	0.21	0.03	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	14	0.21	0.03	0.22
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	14	0.21	0.03	0.22
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	14	0.21	0.03	0.22
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	14	0.21	0.03	0.22
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	14	0.21	0.03	0.22
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	14	0.21	0.03	0.22
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	14	0.21	0.03	0.22
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	14	0.21	0.03	0.22
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	14	0.21	0.03	0.22
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	14	0.21	0.03	0.22
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	14	0.21	0.03	0.22
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	14	0.21	0.03	0.22
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	14	0.21	0.03	0.22
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	14	0.21	0.03	0.22
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	14	0.21	0.03	0.22
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	14	0.21	0.03	0.22
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	14	0.21	0.03	0.22
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	14	0.21	0.03	0.22
(1,1724)	1:27:A:VAL:H	1:28:A:ALA:H	14	0.21	0.02	0.21
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG21	14	0.19	0.06	0.2
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG22	14	0.19	0.06	0.2
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG23	14	0.19	0.06	0.2
(2,301)	1:51:A:THR:HB	1:54:A:LEU:H	14	0.18	0.03	0.18
(2,376)	1:51:A:THR:HB	1:54:A:LEU:H	14	0.18	0.03	0.18
(2,451)	1:51:A:THR:HB	1:54:A:LEU:H	14	0.18	0.03	0.18
(2,526)	1:51:A:THR:HB	1:54:A:LEU:H	14	0.18	0.03	0.18
(2,601)	1:51:A:THR:HB	1:54:A:LEU:H	14	0.18	0.03	0.18
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG2	14	0.16	0.03	0.16
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG3	14	0.16	0.03	0.16
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG2	14	0.16	0.03	0.16
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG3	14	0.16	0.03	0.16
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG2	14	0.16	0.03	0.16
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG3	14	0.16	0.03	0.16
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG2	14	0.16	0.03	0.16
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG3	14	0.16	0.03	0.16
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG2	14	0.16	0.03	0.16
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG3	14	0.16	0.03	0.16
(1,1707)	1:23:A:GLN:H	1:24:A:ARG:H	14	0.14	0.01	0.14
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB1	14	0.14	0.03	0.14
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB2	14	0.14	0.03	0.14
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB3	14	0.14	0.03	0.14
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG11	14	0.13	0.02	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG12	14	0.13	0.02	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG13	14	0.13	0.02	0.12
(4,29)	1:30:A:LYS:O	1:34:A:GLY:H	14	0.12	0.01	0.12
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG2	13	1.9	0.24	1.93
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG3	13	1.9	0.24	1.93
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD11	13	1.78	0.52	1.99
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD12	13	1.78	0.52	1.99
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD13	13	1.78	0.52	1.99
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD11	13	1.71	0.51	2.0
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD12	13	1.71	0.51	2.0
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD13	13	1.71	0.51	2.0
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD11	13	1.71	0.51	2.0
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD12	13	1.71	0.51	2.0
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD13	13	1.71	0.51	2.0
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD11	13	1.54	0.57	1.66
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD12	13	1.54	0.57	1.66
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD13	13	1.54	0.57	1.66
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE2	13	1.51	0.43	1.43
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE3	13	1.51	0.43	1.43
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD11	13	1.49	0.52	1.74
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD12	13	1.49	0.52	1.74
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD13	13	1.49	0.52	1.74
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG13	13	1.36	0.32	1.24
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG12	13	1.36	0.32	1.24
(1,1968)	1:70:A:SER:HB2	1:74:A:LEU:HG	13	1.35	0.26	1.49
(1,1968)	1:70:A:SER:HB3	1:74:A:LEU:HG	13	1.35	0.26	1.49
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB2	13	1.17	0.09	1.2
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB3	13	1.17	0.09	1.2
(1,1575)	1:4:A:ILE:HG13	1:3:A:ASP:HA	13	1.14	0.07	1.12
(1,1575)	1:4:A:ILE:HG12	1:3:A:ASP:HA	13	1.14	0.07	1.12
(1,1560)	1:2:A:PHE:H	1:4:A:ILE:HG13	13	1.11	0.22	1.18
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG21	13	0.96	0.31	0.98
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG22	13	0.96	0.31	0.98
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG23	13	0.96	0.31	0.98
(1,2322)	1:55:A:LYS:HG2	1:54:A:LEU:H	13	0.94	0.09	0.94
(1,2322)	1:55:A:LYS:HG3	1:54:A:LEU:H	13	0.94	0.09	0.94
(1,2446)	1:55:A:LYS:HG2	1:54:A:LEU:H	13	0.94	0.09	0.94
(1,2446)	1:55:A:LYS:HG3	1:54:A:LEU:H	13	0.94	0.09	0.94
(1,2570)	1:55:A:LYS:HG2	1:54:A:LEU:H	13	0.94	0.09	0.94
(1,2570)	1:55:A:LYS:HG3	1:54:A:LEU:H	13	0.94	0.09	0.94
(1,2694)	1:55:A:LYS:HG2	1:54:A:LEU:H	13	0.94	0.09	0.94
(1,2694)	1:55:A:LYS:HG3	1:54:A:LEU:H	13	0.94	0.09	0.94

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2818)	1:55:A:LYS:HG2	1:54:A:LEU:H	13	0.94	0.09	0.94
(1,2818)	1:55:A:LYS:HG3	1:54:A:LEU:H	13	0.94	0.09	0.94
(1,1869)	1:60:A:GLN:HE22	1:56:A:LEU:HB2	13	0.94	0.56	0.83
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	13	0.9	0.16	1.01
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	13	0.9	0.16	1.01
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	13	0.9	0.16	1.01
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	13	0.9	0.16	1.01
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	13	0.9	0.16	1.01
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	13	0.9	0.16	1.01
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	13	0.9	0.16	1.01
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	13	0.9	0.16	1.01
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	13	0.9	0.16	1.01
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	13	0.9	0.16	1.01
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	13	0.9	0.16	1.01
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	13	0.9	0.16	1.01
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	13	0.9	0.16	1.01
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	13	0.9	0.16	1.01
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	13	0.9	0.16	1.01
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	13	0.9	0.16	1.01
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	13	0.9	0.16	1.01
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	13	0.9	0.16	1.01
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	13	0.9	0.16	1.01
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	13	0.9	0.16	1.01
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	13	0.9	0.16	1.01
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	13	0.9	0.16	1.01
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	13	0.9	0.16	1.01
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	13	0.9	0.16	1.01
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	13	0.9	0.16	1.01
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	13	0.9	0.16	1.01
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	13	0.9	0.16	1.01
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	13	0.9	0.16	1.01
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	13	0.9	0.16	1.01
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	13	0.9	0.16	1.01
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD11	13	0.83	0.23	0.87
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD12	13	0.83	0.23	0.87
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD13	13	0.83	0.23	0.87
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD11	13	0.83	0.23	0.87
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD12	13	0.83	0.23	0.87
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD13	13	0.83	0.23	0.87
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD11	13	0.83	0.23	0.87
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD12	13	0.83	0.23	0.87
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD13	13	0.83	0.23	0.87

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD11	13	0.83	0.23	0.87
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD12	13	0.83	0.23	0.87
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD13	13	0.83	0.23	0.87
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD11	13	0.83	0.23	0.87
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD12	13	0.83	0.23	0.87
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD13	13	0.83	0.23	0.87
(1,2243)	1:103:A:GLU:H	1:102:A:LEU:HB3	13	0.8	0.25	0.9
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD11	13	0.79	0.03	0.78
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD12	13	0.79	0.03	0.78
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD13	13	0.79	0.03	0.78
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB3	13	0.78	0.22	0.63
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB2	13	0.78	0.22	0.63
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD21	13	0.74	0.36	1.01
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD22	13	0.74	0.36	1.01
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD23	13	0.74	0.36	1.01
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD21	13	0.74	0.36	1.01
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD22	13	0.74	0.36	1.01
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD23	13	0.74	0.36	1.01
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD21	13	0.74	0.36	1.01
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD22	13	0.74	0.36	1.01
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD23	13	0.74	0.36	1.01
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD21	13	0.74	0.36	1.01
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD22	13	0.74	0.36	1.01
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD23	13	0.74	0.36	1.01
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD21	13	0.74	0.36	1.01
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD22	13	0.74	0.36	1.01
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD23	13	0.74	0.36	1.01
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB1	13	0.7	0.29	0.61
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB2	13	0.7	0.29	0.61
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB3	13	0.7	0.29	0.61
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB1	13	0.7	0.29	0.61
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB2	13	0.7	0.29	0.61
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB3	13	0.7	0.29	0.61
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB2	13	0.69	0.26	0.72
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB3	13	0.69	0.26	0.72
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB2	13	0.69	0.26	0.72
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB3	13	0.69	0.26	0.72
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB2	13	0.69	0.26	0.72
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB3	13	0.69	0.26	0.72
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB2	13	0.69	0.26	0.72
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB3	13	0.69	0.26	0.72
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB2	13	0.69	0.26	0.72

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB3	13	0.69	0.26	0.72
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	13	0.65	0.26	0.57
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	13	0.65	0.26	0.57
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	13	0.65	0.26	0.57
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	13	0.65	0.26	0.57
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	13	0.65	0.26	0.57
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	13	0.65	0.26	0.57
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	13	0.65	0.26	0.57
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	13	0.65	0.26	0.57
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	13	0.65	0.26	0.57
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	13	0.65	0.26	0.57
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	13	0.65	0.26	0.57
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	13	0.65	0.26	0.57
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	13	0.65	0.26	0.57
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	13	0.65	0.26	0.57
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	13	0.65	0.26	0.57
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	13	0.65	0.26	0.57
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	13	0.65	0.26	0.57
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	13	0.65	0.26	0.57
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	13	0.65	0.26	0.57
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	13	0.65	0.26	0.57
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	13	0.65	0.26	0.57
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	13	0.65	0.26	0.57
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	13	0.65	0.26	0.57
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	13	0.65	0.26	0.57
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	13	0.65	0.26	0.57
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	13	0.65	0.26	0.57
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	13	0.65	0.26	0.57
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	13	0.65	0.26	0.57
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	13	0.65	0.26	0.57
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	13	0.65	0.26	0.57
(1,2234)	1:101:A:PRO:HD2	1:103:A:GLU:H	13	0.61	0.24	0.52
(1,2234)	1:101:A:PRO:HD3	1:103:A:GLU:H	13	0.61	0.24	0.52
(1,1599)	1:6:A:PHE:HB3	1:9:A:LEU:HB2	13	0.6	0.42	0.4
(1,1599)	1:6:A:PHE:HB2	1:9:A:LEU:HB2	13	0.6	0.42	0.4
(2,241)	1:74:A:LEU:H	1:70:A:SER:HB3	13	0.58	0.09	0.55
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB2	13	0.57	0.04	0.56
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB3	13	0.57	0.04	0.56
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB2	13	0.57	0.04	0.56
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB3	13	0.57	0.04	0.56
(1,1672)	1:16:A:GLY:H	1:12:A:VAL:HA	13	0.57	0.1	0.61
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD21	13	0.56	0.09	0.58

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD22	13	0.56	0.09	0.58
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD23	13	0.56	0.09	0.58
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD21	13	0.56	0.09	0.58
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD22	13	0.56	0.09	0.58
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD23	13	0.56	0.09	0.58
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD1	13	0.56	0.32	0.79
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD2	13	0.56	0.32	0.79
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	13	0.55	0.18	0.68
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	13	0.55	0.18	0.68
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	13	0.55	0.18	0.68
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	13	0.55	0.18	0.68
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	13	0.55	0.18	0.68
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	13	0.55	0.18	0.68
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	13	0.55	0.18	0.68
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	13	0.55	0.18	0.68
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	13	0.55	0.18	0.68
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	13	0.55	0.18	0.68
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	13	0.55	0.18	0.68
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	13	0.55	0.18	0.68
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	13	0.55	0.18	0.68
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	13	0.55	0.18	0.68
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	13	0.55	0.18	0.68
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	13	0.55	0.18	0.68
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	13	0.55	0.18	0.68
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	13	0.55	0.18	0.68
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	13	0.55	0.18	0.68
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	13	0.55	0.18	0.68
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	13	0.55	0.18	0.68
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	13	0.55	0.18	0.68
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	13	0.55	0.18	0.68
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	13	0.55	0.18	0.68
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	13	0.55	0.18	0.68
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	13	0.55	0.18	0.68
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	13	0.55	0.18	0.68
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	13	0.55	0.18	0.68
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	13	0.55	0.18	0.68
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	13	0.55	0.18	0.68
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB2	13	0.52	0.13	0.46
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB3	13	0.52	0.13	0.46
(1,1478)	1:75:A:THR:H	1:74:A:LEU:H	13	0.51	0.23	0.69
(1,2282)	1:45:A:THR:HA	1:49:A:GLU:H	13	0.51	0.23	0.55
(1,2406)	1:45:A:THR:HA	1:49:A:GLU:H	13	0.51	0.23	0.55

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2530)	1:45:A:THR:HA	1:49:A:GLU:H	13	0.51	0.23	0.55
(1,2654)	1:45:A:THR:HA	1:49:A:GLU:H	13	0.51	0.23	0.55
(1,2778)	1:45:A:THR:HA	1:49:A:GLU:H	13	0.51	0.23	0.55
(1,1431)	1:56:A:LEU:H	1:54:A:LEU:H	13	0.48	0.2	0.56
(1,2222)	1:99:A:ASN:HB3	1:100:A:ASP:H	13	0.42	0.09	0.42
(1,2222)	1:99:A:ASN:HB2	1:100:A:ASP:H	13	0.42	0.09	0.42
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG21	13	0.38	0.08	0.36
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG22	13	0.38	0.08	0.36
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG23	13	0.38	0.08	0.36
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD11	13	0.38	0.47	0.24
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD12	13	0.38	0.47	0.24
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD13	13	0.38	0.47	0.24
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD21	13	0.38	0.47	0.24
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD22	13	0.38	0.47	0.24
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD23	13	0.38	0.47	0.24
(1,1665)	1:15:A:ILE:HB	1:16:A:GLY:H	13	0.36	0.03	0.36
(1,1663)	1:15:A:ILE:HB	1:12:A:VAL:HA	13	0.35	0.09	0.39
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE1	13	0.33	0.11	0.36
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE2	13	0.33	0.11	0.36
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE3	13	0.33	0.11	0.36
(1,1615)	1:8:A:GLU:H	1:9:A:LEU:H	13	0.28	0.14	0.21
(1,2021)	1:76:A:PRO:HA	1:80:A:ALA:H	13	0.26	0.07	0.27
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB2	13	0.25	0.07	0.24
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB3	13	0.25	0.07	0.24
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD11	13	0.24	0.11	0.18
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD12	13	0.24	0.11	0.18
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD13	13	0.24	0.11	0.18
(4,114)	1:9:A:LEU:O	1:13:A:PHE:N	13	0.22	0.07	0.2
(1,1767)	1:37:A:ARG:HB2	1:38:A:ALA:H	13	0.19	0.03	0.19
(1,1767)	1:37:A:ARG:HB3	1:38:A:ALA:H	13	0.19	0.03	0.19
(2,295)	1:49:A:GLU:HA	1:54:A:LEU:H	13	0.19	0.04	0.18
(2,370)	1:49:A:GLU:HA	1:54:A:LEU:H	13	0.19	0.04	0.18
(2,445)	1:49:A:GLU:HA	1:54:A:LEU:H	13	0.19	0.04	0.18
(2,520)	1:49:A:GLU:HA	1:54:A:LEU:H	13	0.19	0.04	0.18
(2,595)	1:49:A:GLU:HA	1:54:A:LEU:H	13	0.19	0.04	0.18
(2,252)	1:71:A:LEU:HB2	1:72:A:THR:HB	13	0.18	0.07	0.16
(4,127)	1:32:A:VAL:O	1:36:A:ILE:N	13	0.17	0.05	0.21
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB2	13	0.12	0.01	0.12
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB3	13	0.12	0.01	0.12
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB2	13	0.12	0.01	0.12
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB3	13	0.12	0.01	0.12
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB2	13	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB3	13	0.12	0.01	0.12
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB1	12	1.53	0.97	2.2
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB2	12	1.53	0.97	2.2
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB3	12	1.53	0.97	2.2
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB1	12	1.53	0.97	2.2
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB2	12	1.53	0.97	2.2
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB3	12	1.53	0.97	2.2
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB1	12	1.53	0.97	2.2
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB2	12	1.53	0.97	2.2
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB3	12	1.53	0.97	2.2
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG21	12	1.28	0.52	1.36
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG22	12	1.28	0.52	1.36
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG23	12	1.28	0.52	1.36
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG2	12	1.17	0.79	0.84
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG3	12	1.17	0.79	0.84
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD11	12	1.05	0.65	1.52
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD12	12	1.05	0.65	1.52
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD13	12	1.05	0.65	1.52
(1,1836)	1:48:A:ASN:HA	1:52:A:GLN:HE21	12	1.02	0.68	1.08
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	12	1.01	0.12	1.06
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	12	1.01	0.12	1.06
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	12	1.01	0.12	1.06
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	12	1.01	0.12	1.06
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	12	1.01	0.12	1.06
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	12	1.01	0.12	1.06
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	12	1.01	0.12	1.06
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	12	1.01	0.12	1.06
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	12	1.01	0.12	1.06
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	12	1.01	0.12	1.06
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	12	1.01	0.12	1.06
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	12	1.01	0.12	1.06
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	12	1.01	0.12	1.06
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	12	1.01	0.12	1.06
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	12	1.01	0.12	1.06
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	12	1.01	0.12	1.06
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	12	1.01	0.12	1.06
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	12	1.01	0.12	1.06
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	12	1.01	0.12	1.06
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	12	1.01	0.12	1.06
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	12	1.01	0.12	1.06
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	12	1.01	0.12	1.06
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	12	1.01	0.12	1.06

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	12	1.01	0.12	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	12	1.01	0.12	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	12	1.01	0.12	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	12	1.01	0.12	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	12	1.01	0.12	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	12	1.01	0.12	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	12	1.01	0.12	1.06
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG21	12	1.01	0.46	0.9
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG22	12	1.01	0.46	0.9
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG23	12	1.01	0.46	0.9
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG21	12	1.01	0.46	0.9
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG22	12	1.01	0.46	0.9
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG23	12	1.01	0.46	0.9
(1,2334)	1:57:A:GLN:HE21	1:55:A:LYS:HA	12	1.0	0.22	1.07
(1,2458)	1:57:A:GLN:HE21	1:55:A:LYS:HA	12	1.0	0.22	1.07
(1,2582)	1:57:A:GLN:HE21	1:55:A:LYS:HA	12	1.0	0.22	1.07
(1,2706)	1:57:A:GLN:HE21	1:55:A:LYS:HA	12	1.0	0.22	1.07
(1,2830)	1:57:A:GLN:HE21	1:55:A:LYS:HA	12	1.0	0.22	1.07
(1,897)	1:63:A:LEU:H	1:62:A:SER:HB3	12	0.96	0.15	0.88
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB1	12	0.81	0.34	0.73
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB2	12	0.81	0.34	0.73
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB3	12	0.81	0.34	0.73
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB1	12	0.8	0.39	1.04
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB2	12	0.8	0.39	1.04
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB3	12	0.8	0.39	1.04
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG21	12	0.56	0.12	0.62
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG22	12	0.56	0.12	0.62
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG23	12	0.56	0.12	0.62
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD11	12	0.55	0.6	0.13
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD12	12	0.55	0.6	0.13
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD13	12	0.55	0.6	0.13
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD21	12	0.55	0.6	0.13
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD22	12	0.55	0.6	0.13
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD23	12	0.55	0.6	0.13
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG2	12	0.53	0.22	0.51
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG3	12	0.53	0.22	0.51
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG2	12	0.47	0.24	0.5
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG3	12	0.47	0.24	0.5
(1,1839)	1:51:A:THR:HB	1:48:A:ASN:HA	12	0.33	0.1	0.32
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB2	12	0.22	0.03	0.23
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB3	12	0.22	0.03	0.23
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB2	12	0.22	0.03	0.23

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB3	12	0.22	0.03	0.23
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD21	12	0.21	0.1	0.16
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD22	12	0.21	0.1	0.16
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD23	12	0.21	0.1	0.16
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD21	12	0.21	0.1	0.16
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD22	12	0.21	0.1	0.16
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD23	12	0.21	0.1	0.16
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD21	12	0.21	0.1	0.16
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD22	12	0.21	0.1	0.16
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD23	12	0.21	0.1	0.16
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD21	12	0.21	0.1	0.16
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD22	12	0.21	0.1	0.16
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD23	12	0.21	0.1	0.16
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD21	12	0.21	0.1	0.16
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD22	12	0.21	0.1	0.16
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD23	12	0.21	0.1	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD11	12	0.16	0.01	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD12	12	0.16	0.01	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD13	12	0.16	0.01	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD21	12	0.16	0.01	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD22	12	0.16	0.01	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD23	12	0.16	0.01	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD11	12	0.16	0.01	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD12	12	0.16	0.01	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD13	12	0.16	0.01	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD21	12	0.16	0.01	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD22	12	0.16	0.01	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD23	12	0.16	0.01	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD11	12	0.16	0.01	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD12	12	0.16	0.01	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD13	12	0.16	0.01	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD21	12	0.16	0.01	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD22	12	0.16	0.01	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD23	12	0.16	0.01	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD11	12	0.16	0.01	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD12	12	0.16	0.01	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD13	12	0.16	0.01	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD21	12	0.16	0.01	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD22	12	0.16	0.01	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD23	12	0.16	0.01	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD11	12	0.16	0.01	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD12	12	0.16	0.01	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD13	12	0.16	0.01	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD21	12	0.16	0.01	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD22	12	0.16	0.01	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD23	12	0.16	0.01	0.16
(4,120)	1:16:A:GLY:O	1:20:A:LEU:N	12	0.15	0.02	0.16
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA2	12	0.14	0.01	0.15
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA3	12	0.14	0.01	0.15
(2,108)	1:2:A:PHE:HD1	1:4:A:ILE:HB	12	0.14	0.02	0.13
(2,108)	1:2:A:PHE:HD2	1:4:A:ILE:HB	12	0.14	0.02	0.13
(1,1693)	1:21:A:GLY:H	1:17:A:LEU:HA	12	0.13	0.02	0.13
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG21	12	0.12	0.01	0.12
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG22	12	0.12	0.01	0.12
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG23	12	0.12	0.01	0.12
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG21	12	0.12	0.01	0.12
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG22	12	0.12	0.01	0.12
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG23	12	0.12	0.01	0.12
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG21	12	0.12	0.01	0.12
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG22	12	0.12	0.01	0.12
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG23	12	0.12	0.01	0.12
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG21	12	0.12	0.01	0.12
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG22	12	0.12	0.01	0.12
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG23	12	0.12	0.01	0.12
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG21	12	0.12	0.01	0.12
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG22	12	0.12	0.01	0.12
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG23	12	0.12	0.01	0.12
(4,107)	1:91:A:SER:O	1:95:A:SER:H	12	0.11	0.02	0.11
(1,1774)	1:39:A:LEU:HB2	1:36:A:ILE:HA	11	1.87	0.03	1.88
(1,1774)	1:39:A:LEU:HB3	1:36:A:ILE:HA	11	1.87	0.03	1.88
(1,2231)	1:101:A:PRO:HG2	1:102:A:LEU:HG	11	1.25	0.66	1.22
(1,2197)	1:96:A:TYR:HA	1:100:A:ASP:H	11	1.25	0.49	1.35
(1,2099)	1:84:A:GLU:H	1:83:A:ASP:HB3	11	0.86	0.05	0.86
(1,1901)	1:63:A:LEU:H	1:62:A:SER:HB2	11	0.85	0.35	0.97
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG2	11	0.68	0.33	0.57
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG3	11	0.68	0.33	0.57
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	11	0.55	0.27	0.56
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	11	0.55	0.27	0.56
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	11	0.55	0.27	0.56
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	11	0.55	0.27	0.56
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	11	0.55	0.27	0.56
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	11	0.55	0.27	0.56
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	11	0.55	0.27	0.56
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	11	0.55	0.27	0.56

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	11	0.55	0.27	0.56
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	11	0.55	0.27	0.56
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	11	0.55	0.27	0.56
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	11	0.55	0.27	0.56
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	11	0.55	0.27	0.56
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	11	0.55	0.27	0.56
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	11	0.55	0.27	0.56
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	11	0.55	0.27	0.56
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	11	0.55	0.27	0.56
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	11	0.55	0.27	0.56
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	11	0.55	0.27	0.56
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	11	0.55	0.27	0.56
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	11	0.55	0.27	0.56
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	11	0.55	0.27	0.56
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	11	0.55	0.27	0.56
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	11	0.55	0.27	0.56
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	11	0.55	0.27	0.56
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	11	0.55	0.27	0.56
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	11	0.55	0.27	0.56
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	11	0.55	0.27	0.56
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	11	0.55	0.27	0.56
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	11	0.55	0.27	0.56
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	11	0.55	0.27	0.56
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	11	0.55	0.27	0.56
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	11	0.55	0.27	0.56
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	11	0.55	0.27	0.56
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	11	0.55	0.27	0.56
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	11	0.55	0.27	0.56
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	11	0.55	0.27	0.56
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	11	0.55	0.27	0.56
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	11	0.55	0.27	0.56
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	11	0.55	0.27	0.56
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	11	0.55	0.27	0.56
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	11	0.55	0.27	0.56
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	11	0.55	0.27	0.56
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	11	0.55	0.27	0.56
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	11	0.55	0.27	0.56
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	11	0.55	0.27	0.56
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	11	0.55	0.27	0.56
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	11	0.55	0.27	0.56
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	11	0.55	0.27	0.56
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	11	0.55	0.27	0.56

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	11	0.55	0.27	0.56
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	11	0.55	0.27	0.56
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	11	0.55	0.27	0.56
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	11	0.55	0.27	0.56
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	11	0.55	0.27	0.56
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	11	0.55	0.27	0.56
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	11	0.55	0.27	0.56
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	11	0.55	0.27	0.56
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	11	0.55	0.27	0.56
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	11	0.55	0.27	0.56
(1,1597)	1:6:A:PHE:HA	1:9:A:LEU:HB2	11	0.43	0.25	0.35
(1,1387)	1:42:A:LEU:HD11	1:39:A:LEU:HA	11	0.39	0.2	0.34
(1,1387)	1:42:A:LEU:HD12	1:39:A:LEU:HA	11	0.39	0.2	0.34
(1,1387)	1:42:A:LEU:HD13	1:39:A:LEU:HA	11	0.39	0.2	0.34
(1,1387)	1:42:A:LEU:HD21	1:39:A:LEU:HA	11	0.39	0.2	0.34
(1,1387)	1:42:A:LEU:HD22	1:39:A:LEU:HA	11	0.39	0.2	0.34
(1,1387)	1:42:A:LEU:HD23	1:39:A:LEU:HA	11	0.39	0.2	0.34
(4,145)	1:63:A:LEU:O	1:67:A:GLU:N	11	0.26	0.04	0.28
(4,113)	1:8:A:GLU:O	1:12:A:VAL:N	11	0.19	0.05	0.19
(1,1988)	1:73:A:ASN:HB2	1:72:A:THR:HB	11	0.19	0.07	0.16
(1,1988)	1:73:A:ASN:HB3	1:72:A:THR:HB	11	0.19	0.07	0.16
(4,136)	1:41:A:SER:O	1:45:A:THR:N	11	0.18	0.04	0.17
(4,132)	1:37:A:ARG:O	1:41:A:SER:N	11	0.16	0.05	0.14
(4,115)	1:10:A:LEU:O	1:14:A:ILE:N	11	0.16	0.03	0.17
(1,556)	1:64:A:LYS:HA	1:66:A:VAL:H	11	0.16	0.04	0.15
(1,1493)	1:82:A:MET:HG2	1:81:A:SER:H	11	0.15	0.08	0.12
(1,1493)	1:82:A:MET:HG3	1:81:A:SER:H	11	0.15	0.08	0.12
(1,1036)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	11	0.15	0.04	0.16
(1,1036)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	11	0.15	0.04	0.16
(1,1084)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	11	0.15	0.04	0.16
(1,1084)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	11	0.15	0.04	0.16
(1,1132)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	11	0.15	0.04	0.16
(1,1132)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	11	0.15	0.04	0.16
(1,1180)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	11	0.15	0.04	0.16
(1,1180)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	11	0.15	0.04	0.16
(1,1228)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	11	0.15	0.04	0.16
(1,1228)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	11	0.15	0.04	0.16
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	11	0.15	0.04	0.12
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	11	0.15	0.04	0.12
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	11	0.15	0.04	0.12
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	11	0.15	0.04	0.12
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	11	0.15	0.04	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	11	0.15	0.04	0.12
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	11	0.15	0.04	0.12
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	11	0.15	0.04	0.12
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	11	0.15	0.04	0.12
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	11	0.15	0.04	0.12
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	11	0.15	0.04	0.12
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	11	0.15	0.04	0.12
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	11	0.15	0.04	0.12
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	11	0.15	0.04	0.12
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	11	0.15	0.04	0.12
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	11	0.15	0.04	0.12
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	11	0.15	0.04	0.12
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	11	0.15	0.04	0.12
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	11	0.15	0.04	0.12
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	11	0.15	0.04	0.12
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD11	11	0.14	0.02	0.14
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD12	11	0.14	0.02	0.14
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD13	11	0.14	0.02	0.14
(4,41)	1:36:A:ILE:O	1:40:A:ARG:H	11	0.11	0.01	0.11
(1,2239)	1:103:A:GLU:H	1:100:A:ASP:H	10	2.18	0.23	2.15
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD11	10	1.83	0.61	2.06
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD12	10	1.83	0.61	2.06
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD13	10	1.83	0.61	2.06
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD11	10	1.83	0.61	2.06
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD12	10	1.83	0.61	2.06
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD13	10	1.83	0.61	2.06
(1,2196)	1:96:A:TYR:HA	1:99:A:ASN:HB2	10	1.76	0.64	1.96
(1,2196)	1:96:A:TYR:HA	1:99:A:ASN:HB3	10	1.76	0.64	1.96
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG11	10	1.15	0.41	1.25
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG12	10	1.15	0.41	1.25
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG13	10	1.15	0.41	1.25
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB1	10	1.12	0.7	1.19
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB2	10	1.12	0.7	1.19
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB3	10	1.12	0.7	1.19
(1,2302)	1:49:A:GLU:HA	1:53:A:GLU:H	10	1.04	0.12	1.08
(1,2426)	1:49:A:GLU:HA	1:53:A:GLU:H	10	1.04	0.12	1.08
(1,2550)	1:49:A:GLU:HA	1:53:A:GLU:H	10	1.04	0.12	1.08
(1,2674)	1:49:A:GLU:HA	1:53:A:GLU:H	10	1.04	0.12	1.08
(1,2798)	1:49:A:GLU:HA	1:53:A:GLU:H	10	1.04	0.12	1.08
(1,2349)	1:71:A:LEU:H	1:68:A:LYS:HG2	10	0.8	0.19	0.79
(1,2473)	1:71:A:LEU:H	1:68:A:LYS:HG2	10	0.8	0.19	0.79
(1,2597)	1:71:A:LEU:H	1:68:A:LYS:HG2	10	0.8	0.19	0.79

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2721)	1:71:A:LEU:H	1:68:A:LYS:HG2	10	0.8	0.19	0.79
(1,2845)	1:71:A:LEU:H	1:68:A:LYS:HG2	10	0.8	0.19	0.79
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	10	0.68	0.27	0.59
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	10	0.68	0.27	0.59
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	10	0.68	0.27	0.59
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	10	0.68	0.27	0.59
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	10	0.68	0.27	0.59
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	10	0.68	0.27	0.59
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	10	0.68	0.27	0.59
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	10	0.68	0.27	0.59
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	10	0.68	0.27	0.59
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	10	0.68	0.27	0.59
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	10	0.68	0.27	0.59
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	10	0.68	0.27	0.59
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	10	0.68	0.27	0.59
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	10	0.68	0.27	0.59
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	10	0.68	0.27	0.59
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	10	0.68	0.27	0.59
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	10	0.68	0.27	0.59
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	10	0.68	0.27	0.59
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	10	0.68	0.27	0.59
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	10	0.68	0.27	0.59
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	10	0.68	0.27	0.59
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	10	0.68	0.27	0.59
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	10	0.68	0.27	0.59
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	10	0.68	0.27	0.59
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	10	0.68	0.27	0.59
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	10	0.68	0.27	0.59
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	10	0.68	0.27	0.59
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	10	0.68	0.27	0.59
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	10	0.68	0.27	0.59
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	10	0.68	0.27	0.59
(1,2151)	1:91:A:SER:HB2	1:92:A:MET:HG3	10	0.65	0.15	0.62
(1,2151)	1:91:A:SER:HB3	1:92:A:MET:HG3	10	0.65	0.15	0.62
(1,1972)	1:71:A:LEU:H	1:69:A:ALA:HA	10	0.42	0.45	0.2
(1,1786)	1:42:A:LEU:H	1:41:A:SER:HB2	10	0.38	0.33	0.2
(1,1786)	1:42:A:LEU:H	1:41:A:SER:HB3	10	0.38	0.33	0.2
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB1	10	0.29	0.04	0.3
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB2	10	0.29	0.04	0.3
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB3	10	0.29	0.04	0.3
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG21	10	0.25	0.14	0.2
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG22	10	0.25	0.14	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG23	10	0.25	0.14	0.2
(4,111)	1:6:A:PHE:O	1:10:A:LEU:N	10	0.23	0.04	0.26
(1,1859)	1:54:A:LEU:H	1:53:A:GLU:HB2	10	0.22	0.05	0.2
(1,1859)	1:54:A:LEU:H	1:53:A:GLU:HB3	10	0.22	0.05	0.2
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD11	10	0.2	0.05	0.2
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD12	10	0.2	0.05	0.2
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD13	10	0.2	0.05	0.2
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD21	10	0.2	0.05	0.2
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD22	10	0.2	0.05	0.2
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD23	10	0.2	0.05	0.2
(1,1738)	1:30:A:LYS:HG2	1:27:A:VAL:HA	10	0.19	0.1	0.14
(1,1738)	1:30:A:LYS:HG3	1:27:A:VAL:HA	10	0.19	0.1	0.14
(4,73)	1:66:A:VAL:O	1:70:A:SER:H	10	0.16	0.06	0.15
(1,1926)	1:65:A:LYS:H	1:64:A:LYS:H	10	0.15	0.04	0.14
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG21	10	0.14	0.04	0.14
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG22	10	0.14	0.04	0.14
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG23	10	0.14	0.04	0.14
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG21	10	0.14	0.04	0.14
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG22	10	0.14	0.04	0.14
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG23	10	0.14	0.04	0.14
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG21	10	0.14	0.04	0.14
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG22	10	0.14	0.04	0.14
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG23	10	0.14	0.04	0.14
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG21	10	0.14	0.04	0.14
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG22	10	0.14	0.04	0.14
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG23	10	0.14	0.04	0.14
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG21	10	0.14	0.04	0.14
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG22	10	0.14	0.04	0.14
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG23	10	0.14	0.04	0.14
(2,116)	1:6:A:PHE:HE1	1:4:A:ILE:HA	10	0.13	0.05	0.12
(2,116)	1:6:A:PHE:HE2	1:4:A:ILE:HA	10	0.13	0.05	0.12
(1,360)	1:24:A:ARG:H	1:22:A:PRO:HB2	10	0.11	0.01	0.11
(1,360)	1:24:A:ARG:H	1:22:A:PRO:HB3	10	0.11	0.01	0.11
(4,45)	1:38:A:ALA:O	1:42:A:LEU:H	10	0.11	0.01	0.11
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG21	9	1.54	0.5	1.76
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG22	9	1.54	0.5	1.76
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG23	9	1.54	0.5	1.76
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG21	9	1.54	0.5	1.76
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG22	9	1.54	0.5	1.76
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG23	9	1.54	0.5	1.76
(1,1645)	1:13:A:PHE:HD1	1:17:A:LEU:HG	9	0.91	0.63	0.72
(1,1645)	1:13:A:PHE:HD2	1:17:A:LEU:HG	9	0.91	0.63	0.72

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1653)	1:14:A:ILE:HA	1:13:A:PHE:HD1	9	0.72	0.24	0.75
(1,1653)	1:14:A:ILE:HA	1:13:A:PHE:HD2	9	0.72	0.24	0.75
(1,1970)	1:70:A:SER:HA	1:74:A:LEU:HG	9	0.68	0.19	0.76
(1,1790)	1:42:A:LEU:HD11	1:45:A:THR:HB	9	0.53	0.32	0.5
(1,1790)	1:42:A:LEU:HD12	1:45:A:THR:HB	9	0.53	0.32	0.5
(1,1790)	1:42:A:LEU:HD13	1:45:A:THR:HB	9	0.53	0.32	0.5
(1,1790)	1:42:A:LEU:HD21	1:45:A:THR:HB	9	0.53	0.32	0.5
(1,1790)	1:42:A:LEU:HD22	1:45:A:THR:HB	9	0.53	0.32	0.5
(1,1790)	1:42:A:LEU:HD23	1:45:A:THR:HB	9	0.53	0.32	0.5
(1,1958)	1:69:A:ALA:H	1:65:A:LYS:HE2	9	0.5	0.33	0.45
(1,1958)	1:69:A:ALA:H	1:65:A:LYS:HE3	9	0.5	0.33	0.45
(1,1482)	1:76:A:PRO:HA	1:79:A:LYS:HB2	9	0.37	0.13	0.4
(1,1584)	1:4:A:ILE:HD11	1:8:A:GLU:HB2	9	0.33	0.3	0.19
(1,1584)	1:4:A:ILE:HD12	1:8:A:GLU:HB2	9	0.33	0.3	0.19
(1,1584)	1:4:A:ILE:HD13	1:8:A:GLU:HB2	9	0.33	0.3	0.19
(2,104)	1:98:A:ALA:H	1:96:A:TYR:HE1	9	0.32	0.12	0.34
(2,104)	1:98:A:ALA:H	1:96:A:TYR:HE2	9	0.32	0.12	0.34
(1,2280)	1:45:A:THR:HA	1:48:A:ASN:HD22	9	0.31	0.07	0.34
(1,2280)	1:45:A:THR:HA	1:48:A:ASN:HD21	9	0.31	0.07	0.34
(1,2404)	1:45:A:THR:HA	1:48:A:ASN:HD22	9	0.31	0.07	0.34
(1,2404)	1:45:A:THR:HA	1:48:A:ASN:HD21	9	0.31	0.07	0.34
(1,2528)	1:45:A:THR:HA	1:48:A:ASN:HD22	9	0.31	0.07	0.34
(1,2528)	1:45:A:THR:HA	1:48:A:ASN:HD21	9	0.31	0.07	0.34
(1,2652)	1:45:A:THR:HA	1:48:A:ASN:HD22	9	0.31	0.07	0.34
(1,2652)	1:45:A:THR:HA	1:48:A:ASN:HD21	9	0.31	0.07	0.34
(1,2776)	1:45:A:THR:HA	1:48:A:ASN:HD22	9	0.31	0.07	0.34
(1,2776)	1:45:A:THR:HA	1:48:A:ASN:HD21	9	0.31	0.07	0.34
(1,1858)	1:54:A:LEU:H	1:53:A:GLU:HG2	9	0.29	0.19	0.2
(1,1858)	1:54:A:LEU:H	1:53:A:GLU:HG3	9	0.29	0.19	0.2
(1,1624)	1:10:A:LEU:HA	1:13:A:PHE:HB2	9	0.19	0.07	0.2
(1,1624)	1:10:A:LEU:HA	1:13:A:PHE:HB3	9	0.19	0.07	0.2
(4,75)	1:67:A:GLU:O	1:71:A:LEU:H	9	0.17	0.04	0.18
(4,61)	1:60:A:GLN:O	1:64:A:LYS:H	9	0.16	0.05	0.13
(4,71)	1:65:A:LYS:O	1:69:A:ALA:H	9	0.15	0.02	0.15
(1,186)	1:93:A:LYS:H	1:90:A:GLU:H	9	0.14	0.02	0.13
(1,1596)	1:6:A:PHE:H	1:8:A:GLU:H	9	0.13	0.03	0.12
(2,118)	1:8:A:GLU:HB3	1:7:A:SER:HB2	9	0.13	0.01	0.13
(1,99)	1:42:A:LEU:H	1:39:A:LEU:HG	9	0.11	0.01	0.11
(1,2225)	1:101:A:PRO:HD2	1:98:A:ALA:H	8	1.49	0.61	1.5
(1,2225)	1:101:A:PRO:HD3	1:98:A:ALA:H	8	1.49	0.61	1.5
(1,2158)	1:93:A:LYS:HB2	1:90:A:GLU:HA	8	0.84	0.11	0.92
(1,2158)	1:93:A:LYS:HB3	1:90:A:GLU:HA	8	0.84	0.11	0.92

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	8	0.71	0.17	0.7
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	8	0.71	0.17	0.7
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	8	0.71	0.17	0.7
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	8	0.71	0.17	0.7
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	8	0.71	0.17	0.7
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	8	0.71	0.17	0.7
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	8	0.71	0.17	0.7
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	8	0.71	0.17	0.7
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	8	0.71	0.17	0.7
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	8	0.71	0.17	0.7
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	8	0.71	0.17	0.7
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	8	0.71	0.17	0.7
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	8	0.71	0.17	0.7
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	8	0.71	0.17	0.7
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	8	0.71	0.17	0.7
(1,1290)	1:17:A:LEU:HD21	1:13:A:PHE:HE1	8	0.57	0.08	0.63
(1,1290)	1:17:A:LEU:HD21	1:13:A:PHE:HE2	8	0.57	0.08	0.63
(1,1290)	1:17:A:LEU:HD22	1:13:A:PHE:HE1	8	0.57	0.08	0.63
(1,1290)	1:17:A:LEU:HD22	1:13:A:PHE:HE2	8	0.57	0.08	0.63
(1,1290)	1:17:A:LEU:HD23	1:13:A:PHE:HE1	8	0.57	0.08	0.63
(1,1290)	1:17:A:LEU:HD23	1:13:A:PHE:HE2	8	0.57	0.08	0.63
(1,1290)	1:17:A:LEU:HD11	1:13:A:PHE:HE1	8	0.57	0.08	0.63
(1,1290)	1:17:A:LEU:HD11	1:13:A:PHE:HE2	8	0.57	0.08	0.63
(1,1290)	1:17:A:LEU:HD12	1:13:A:PHE:HE1	8	0.57	0.08	0.63
(1,1290)	1:17:A:LEU:HD12	1:13:A:PHE:HE2	8	0.57	0.08	0.63
(1,1290)	1:17:A:LEU:HD13	1:13:A:PHE:HE1	8	0.57	0.08	0.63
(1,1290)	1:17:A:LEU:HD13	1:13:A:PHE:HE2	8	0.57	0.08	0.63
(1,1362)	1:35:A:TRP:HZ3	1:36:A:ILE:HG13	8	0.52	0.02	0.52
(1,2226)	1:101:A:PRO:HD2	1:99:A:ASN:HB3	8	0.5	0.19	0.55
(1,2226)	1:101:A:PRO:HD3	1:99:A:ASN:HB3	8	0.5	0.19	0.55
(1,2226)	1:101:A:PRO:HD2	1:99:A:ASN:HB2	8	0.5	0.19	0.55
(1,2226)	1:101:A:PRO:HD3	1:99:A:ASN:HB2	8	0.5	0.19	0.55
(1,2002)	1:74:A:LEU:H	1:71:A:LEU:HA	8	0.38	0.17	0.43
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG21	8	0.36	0.08	0.34
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG22	8	0.36	0.08	0.34
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG23	8	0.36	0.08	0.34
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG21	8	0.36	0.02	0.36
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG22	8	0.36	0.02	0.36
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG23	8	0.36	0.02	0.36
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG21	8	0.36	0.02	0.36
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG22	8	0.36	0.02	0.36
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG23	8	0.36	0.02	0.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2319)	1:53:A:GLU:H	1:51:A:THR:H	8	0.28	0.06	0.3
(1,2443)	1:53:A:GLU:H	1:51:A:THR:H	8	0.28	0.06	0.3
(1,2567)	1:53:A:GLU:H	1:51:A:THR:H	8	0.28	0.06	0.3
(1,2691)	1:53:A:GLU:H	1:51:A:THR:H	8	0.28	0.06	0.3
(1,2815)	1:53:A:GLU:H	1:51:A:THR:H	8	0.28	0.06	0.3
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	8	0.28	0.01	0.28
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	8	0.28	0.01	0.28
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	8	0.28	0.01	0.28
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	8	0.28	0.01	0.28
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	8	0.28	0.01	0.28
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	8	0.28	0.01	0.28
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	8	0.28	0.01	0.28
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	8	0.28	0.01	0.28
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	8	0.28	0.01	0.28
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB1	8	0.28	0.01	0.28
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB2	8	0.28	0.01	0.28
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB3	8	0.28	0.01	0.28
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB1	8	0.28	0.01	0.28
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB2	8	0.28	0.01	0.28
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB3	8	0.28	0.01	0.28
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB1	8	0.28	0.01	0.28
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB2	8	0.28	0.01	0.28
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB3	8	0.28	0.01	0.28
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG11	8	0.24	0.07	0.22
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG12	8	0.24	0.07	0.22
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG13	8	0.24	0.07	0.22
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG21	8	0.2	0.09	0.2
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG22	8	0.2	0.09	0.2
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG23	8	0.2	0.09	0.2
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG21	8	0.2	0.09	0.2
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG22	8	0.2	0.09	0.2
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG23	8	0.2	0.09	0.2
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD11	8	0.2	0.02	0.2
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD12	8	0.2	0.02	0.2
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD13	8	0.2	0.02	0.2
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD11	8	0.2	0.02	0.2
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD12	8	0.2	0.02	0.2
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD13	8	0.2	0.02	0.2
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD11	8	0.2	0.02	0.2
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD12	8	0.2	0.02	0.2
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD13	8	0.2	0.02	0.2
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD11	8	0.2	0.02	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD12	8	0.2	0.02	0.2
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD13	8	0.2	0.02	0.2
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD11	8	0.2	0.02	0.2
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD12	8	0.2	0.02	0.2
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD13	8	0.2	0.02	0.2
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG21	8	0.18	0.02	0.19
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG22	8	0.18	0.02	0.19
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG23	8	0.18	0.02	0.19
(4,134)	1:39:A:LEU:O	1:43:A:ALA:N	8	0.17	0.05	0.15
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD21	8	0.14	0.02	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD22	8	0.14	0.02	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD23	8	0.14	0.02	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD11	8	0.14	0.02	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD12	8	0.14	0.02	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD13	8	0.14	0.02	0.14
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD11	8	0.14	0.04	0.12
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD12	8	0.14	0.04	0.12
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD13	8	0.14	0.04	0.12
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD11	8	0.14	0.04	0.12
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD12	8	0.14	0.04	0.12
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD13	8	0.14	0.04	0.12
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD11	8	0.14	0.04	0.12
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD12	8	0.14	0.04	0.12
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD13	8	0.14	0.04	0.12
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD11	8	0.14	0.04	0.12
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD12	8	0.14	0.04	0.12
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD13	8	0.14	0.04	0.12
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD11	8	0.14	0.04	0.12
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD12	8	0.14	0.04	0.12
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD13	8	0.14	0.04	0.12
(1,2238)	1:103:A:GLU:H	1:100:A:ASP:HB2	7	1.48	0.2	1.36
(1,2238)	1:103:A:GLU:H	1:100:A:ASP:HB3	7	1.48	0.2	1.36
(1,1541)	1:1:A:MET:HE1	1:2:A:PHE:HZ	7	1.21	0.19	1.24
(1,1541)	1:1:A:MET:HE2	1:2:A:PHE:HZ	7	1.21	0.19	1.24
(1,1541)	1:1:A:MET:HE3	1:2:A:PHE:HZ	7	1.21	0.19	1.24
(1,1984)	1:73:A:ASN:H	1:71:A:LEU:HA	7	0.63	0.32	0.67
(1,1710)	1:24:A:ARG:H	1:23:A:GLN:HB2	7	0.56	0.37	0.86
(1,1710)	1:24:A:ARG:H	1:23:A:GLN:HB3	7	0.56	0.37	0.86
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	7	0.37	0.04	0.36
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	7	0.37	0.04	0.36
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	7	0.37	0.04	0.36
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	7	0.37	0.04	0.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	7	0.37	0.04	0.36
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	7	0.37	0.04	0.36
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	7	0.37	0.04	0.36
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	7	0.37	0.04	0.36
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	7	0.37	0.04	0.36
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	7	0.37	0.04	0.36
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	7	0.37	0.04	0.36
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	7	0.37	0.04	0.36
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	7	0.37	0.04	0.36
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	7	0.37	0.04	0.36
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	7	0.37	0.04	0.36
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	7	0.37	0.04	0.36
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	7	0.37	0.04	0.36
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	7	0.37	0.04	0.36
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	7	0.37	0.04	0.36
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	7	0.37	0.04	0.36
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	7	0.37	0.04	0.36
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	7	0.37	0.04	0.36
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	7	0.37	0.04	0.36
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	7	0.37	0.04	0.36
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	7	0.37	0.04	0.36
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	7	0.37	0.04	0.36
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	7	0.37	0.04	0.36
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	7	0.37	0.04	0.36
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	7	0.37	0.04	0.36
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	7	0.37	0.04	0.36
(1,1987)	1:73:A:ASN:HD21	1:72:A:THR:HB	7	0.35	0.18	0.31
(1,1987)	1:73:A:ASN:HD22	1:72:A:THR:HB	7	0.35	0.18	0.31
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	7	0.34	0.01	0.34
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	7	0.34	0.01	0.34
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	7	0.34	0.01	0.34
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	7	0.34	0.01	0.34
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	7	0.34	0.01	0.34
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	7	0.34	0.01	0.34
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	7	0.34	0.01	0.34
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	7	0.34	0.01	0.34
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	7	0.34	0.01	0.34
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	7	0.34	0.01	0.34
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	7	0.34	0.01	0.34
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	7	0.34	0.01	0.34
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	7	0.34	0.01	0.34
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	7	0.34	0.01	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	7	0.34	0.01	0.34
(1,455)	1:43:A:ALA:HA	1:46:A:VAL:HB	7	0.27	0.1	0.31
(4,150)	1:68:A:LYS:O	1:72:A:THR:N	7	0.26	0.07	0.28
(1,1657)	1:14:A:ILE:H	1:13:A:PHE:HB2	7	0.25	0.07	0.22
(1,1657)	1:14:A:ILE:H	1:13:A:PHE:HB3	7	0.25	0.07	0.22
(1,593)	1:68:A:LYS:H	1:66:A:VAL:HA	7	0.25	0.06	0.27
(1,1954)	1:68:A:LYS:H	1:67:A:GLU:HB2	7	0.25	0.04	0.26
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB1	7	0.24	0.03	0.24
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB2	7	0.24	0.03	0.24
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB3	7	0.24	0.03	0.24
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB1	7	0.24	0.03	0.24
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB2	7	0.24	0.03	0.24
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB3	7	0.24	0.03	0.24
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB1	7	0.24	0.03	0.24
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB2	7	0.24	0.03	0.24
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB3	7	0.24	0.03	0.24
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG21	7	0.19	0.07	0.18
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG22	7	0.19	0.07	0.18
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG23	7	0.19	0.07	0.18
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG21	7	0.19	0.07	0.18
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG22	7	0.19	0.07	0.18
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG23	7	0.19	0.07	0.18
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG21	7	0.19	0.07	0.18
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG22	7	0.19	0.07	0.18
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG23	7	0.19	0.07	0.18
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG21	7	0.19	0.07	0.18
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG22	7	0.19	0.07	0.18
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG23	7	0.19	0.07	0.18
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG21	7	0.19	0.07	0.18
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG22	7	0.19	0.07	0.18
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG23	7	0.19	0.07	0.18
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG21	7	0.19	0.07	0.18
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG22	7	0.19	0.07	0.18
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG23	7	0.19	0.07	0.18
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG21	7	0.19	0.07	0.18
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG22	7	0.19	0.07	0.18
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG23	7	0.19	0.07	0.18
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG21	7	0.19	0.07	0.18
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG22	7	0.19	0.07	0.18
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG23	7	0.19	0.07	0.18
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG21	7	0.19	0.07	0.18
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG22	7	0.19	0.07	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG23	7	0.19	0.07	0.18
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG21	7	0.19	0.07	0.18
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG22	7	0.19	0.07	0.18
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG23	7	0.19	0.07	0.18
(2,308)	1:56:A:LEU:HB3	1:51:A:THR:H	7	0.19	0.07	0.16
(2,383)	1:56:A:LEU:HB3	1:51:A:THR:H	7	0.19	0.07	0.16
(2,458)	1:56:A:LEU:HB3	1:51:A:THR:H	7	0.19	0.07	0.16
(2,533)	1:56:A:LEU:HB3	1:51:A:THR:H	7	0.19	0.07	0.16
(2,608)	1:56:A:LEU:HB3	1:51:A:THR:H	7	0.19	0.07	0.16
(4,109)	1:92:A:MET:O	1:96:A:TYR:H	7	0.19	0.05	0.22
(1,1760)	1:36:A:ILE:HG12	1:33:A:ALA:HA	7	0.19	0.01	0.18
(1,1760)	1:36:A:ILE:HG13	1:33:A:ALA:HA	7	0.19	0.01	0.18
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG21	7	0.18	0.01	0.17
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG22	7	0.18	0.01	0.17
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG23	7	0.18	0.01	0.17
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD21	7	0.17	0.03	0.15
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD22	7	0.17	0.03	0.15
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD23	7	0.17	0.03	0.15
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD21	7	0.17	0.03	0.15
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD22	7	0.17	0.03	0.15
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD23	7	0.17	0.03	0.15
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD21	7	0.17	0.03	0.15
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD22	7	0.17	0.03	0.15
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD23	7	0.17	0.03	0.15
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD21	7	0.17	0.03	0.15
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD22	7	0.17	0.03	0.15
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD23	7	0.17	0.03	0.15
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD21	7	0.17	0.03	0.15
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD22	7	0.17	0.03	0.15
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD23	7	0.17	0.03	0.15
(4,166)	1:92:A:MET:O	1:96:A:TYR:N	7	0.16	0.04	0.15
(1,2018)	1:76:A:PRO:HA	1:79:A:LYS:H	7	0.15	0.02	0.14
(4,77)	1:68:A:LYS:O	1:72:A:THR:H	7	0.13	0.02	0.12
(1,1397)	1:44:A:THR:HG21	1:43:A:ALA:HB1	6	0.79	0.45	1.09
(1,1397)	1:44:A:THR:HG21	1:43:A:ALA:HB2	6	0.79	0.45	1.09
(1,1397)	1:44:A:THR:HG21	1:43:A:ALA:HB3	6	0.79	0.45	1.09
(1,1397)	1:44:A:THR:HG22	1:43:A:ALA:HB1	6	0.79	0.45	1.09
(1,1397)	1:44:A:THR:HG22	1:43:A:ALA:HB2	6	0.79	0.45	1.09
(1,1397)	1:44:A:THR:HG22	1:43:A:ALA:HB3	6	0.79	0.45	1.09
(1,1397)	1:44:A:THR:HG23	1:43:A:ALA:HB1	6	0.79	0.45	1.09
(1,1397)	1:44:A:THR:HG23	1:43:A:ALA:HB2	6	0.79	0.45	1.09
(1,1397)	1:44:A:THR:HG23	1:43:A:ALA:HB3	6	0.79	0.45	1.09

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,932)	1:9:A:LEU:HD11	1:13:A:PHE:HE1	6	0.73	0.24	0.78
(1,932)	1:9:A:LEU:HD11	1:13:A:PHE:HE2	6	0.73	0.24	0.78
(1,932)	1:9:A:LEU:HD12	1:13:A:PHE:HE1	6	0.73	0.24	0.78
(1,932)	1:9:A:LEU:HD12	1:13:A:PHE:HE2	6	0.73	0.24	0.78
(1,932)	1:9:A:LEU:HD13	1:13:A:PHE:HE1	6	0.73	0.24	0.78
(1,932)	1:9:A:LEU:HD13	1:13:A:PHE:HE2	6	0.73	0.24	0.78
(1,932)	1:9:A:LEU:HD21	1:13:A:PHE:HE1	6	0.73	0.24	0.78
(1,932)	1:9:A:LEU:HD21	1:13:A:PHE:HE2	6	0.73	0.24	0.78
(1,932)	1:9:A:LEU:HD22	1:13:A:PHE:HE1	6	0.73	0.24	0.78
(1,932)	1:9:A:LEU:HD22	1:13:A:PHE:HE2	6	0.73	0.24	0.78
(1,932)	1:9:A:LEU:HD23	1:13:A:PHE:HE1	6	0.73	0.24	0.78
(1,932)	1:9:A:LEU:HD23	1:13:A:PHE:HE2	6	0.73	0.24	0.78
(1,2294)	1:48:A:ASN:HD22	1:44:A:THR:HG21	6	0.53	0.42	0.24
(1,2294)	1:48:A:ASN:HD22	1:44:A:THR:HG22	6	0.53	0.42	0.24
(1,2294)	1:48:A:ASN:HD22	1:44:A:THR:HG23	6	0.53	0.42	0.24
(1,2418)	1:48:A:ASN:HD22	1:44:A:THR:HG21	6	0.53	0.42	0.24
(1,2418)	1:48:A:ASN:HD22	1:44:A:THR:HG22	6	0.53	0.42	0.24
(1,2418)	1:48:A:ASN:HD22	1:44:A:THR:HG23	6	0.53	0.42	0.24
(1,2542)	1:48:A:ASN:HD22	1:44:A:THR:HG21	6	0.53	0.42	0.24
(1,2542)	1:48:A:ASN:HD22	1:44:A:THR:HG22	6	0.53	0.42	0.24
(1,2542)	1:48:A:ASN:HD22	1:44:A:THR:HG23	6	0.53	0.42	0.24
(1,2666)	1:48:A:ASN:HD22	1:44:A:THR:HG21	6	0.53	0.42	0.24
(1,2666)	1:48:A:ASN:HD22	1:44:A:THR:HG22	6	0.53	0.42	0.24
(1,2666)	1:48:A:ASN:HD22	1:44:A:THR:HG23	6	0.53	0.42	0.24
(1,2790)	1:48:A:ASN:HD22	1:44:A:THR:HG21	6	0.53	0.42	0.24
(1,2790)	1:48:A:ASN:HD22	1:44:A:THR:HG22	6	0.53	0.42	0.24
(1,2790)	1:48:A:ASN:HD22	1:44:A:THR:HG23	6	0.53	0.42	0.24
(1,1408)	1:46:A:VAL:HA	1:49:A:GLU:H	6	0.44	0.56	0.2
(2,67)	1:57:A:GLN:HA	1:59:A:PHE:HD1	6	0.37	0.17	0.38
(2,67)	1:57:A:GLN:HA	1:59:A:PHE:HD2	6	0.37	0.17	0.38
(1,863)	1:103:A:GLU:H	1:100:A:ASP:H	6	0.32	0.17	0.28
(1,2019)	1:76:A:PRO:HA	1:79:A:LYS:HG2	6	0.3	0.22	0.24
(1,2019)	1:76:A:PRO:HA	1:79:A:LYS:HG3	6	0.3	0.22	0.24
(1,2141)	1:89:A:ALA:HA	1:92:A:MET:HG2	6	0.3	0.04	0.3
(1,2141)	1:89:A:ALA:HA	1:92:A:MET:HG3	6	0.3	0.04	0.3
(1,1967)	1:70:A:SER:H	1:72:A:THR:H	6	0.24	0.01	0.24
(1,2230)	1:101:A:PRO:HG2	1:102:A:LEU:H	6	0.22	0.08	0.2
(1,1886)	1:61:A:ASP:HB2	1:62:A:SER:H	6	0.2	0.04	0.19
(1,1886)	1:61:A:ASP:HB3	1:62:A:SER:H	6	0.2	0.04	0.19
(1,1894)	1:63:A:LEU:HG	1:59:A:PHE:HD1	6	0.18	0.06	0.15
(1,1894)	1:63:A:LEU:HG	1:59:A:PHE:HD2	6	0.18	0.06	0.15
(1,1628)	1:11:A:LEU:HB2	1:12:A:VAL:H	6	0.16	0.03	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1628)	1:11:A:LEU:HB3	1:12:A:VAL:H	6	0.16	0.03	0.16
(2,177)	1:71:A:LEU:H	1:67:A:GLU:HB2	6	0.14	0.03	0.13
(1,1820)	1:46:A:VAL:HA	1:45:A:THR:HG21	6	0.14	0.04	0.14
(1,1820)	1:46:A:VAL:HA	1:45:A:THR:HG22	6	0.14	0.04	0.14
(1,1820)	1:46:A:VAL:HA	1:45:A:THR:HG23	6	0.14	0.04	0.14
(4,3)	1:7:A:SER:O	1:11:A:LEU:H	6	0.14	0.02	0.14
(4,49)	1:40:A:ARG:O	1:44:A:THR:H	6	0.14	0.01	0.14
(1,163)	1:82:A:MET:H	1:79:A:LYS:HG2	6	0.12	0.01	0.12
(1,163)	1:82:A:MET:H	1:79:A:LYS:HG3	6	0.12	0.01	0.12
(1,120)	1:48:A:ASN:H	1:44:A:THR:HB	5	0.58	0.19	0.68
(1,1855)	1:55:A:LYS:H	1:54:A:LEU:HB2	5	0.48	0.51	0.15
(1,1855)	1:55:A:LYS:H	1:54:A:LEU:HB3	5	0.48	0.51	0.15
(1,865)	1:103:A:GLU:HB2	1:102:A:LEU:HG	5	0.42	0.32	0.21
(1,865)	1:103:A:GLU:HB3	1:102:A:LEU:HG	5	0.42	0.32	0.21
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD11	5	0.38	0.37	0.19
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD12	5	0.38	0.37	0.19
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD13	5	0.38	0.37	0.19
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD21	5	0.38	0.37	0.19
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD22	5	0.38	0.37	0.19
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD23	5	0.38	0.37	0.19
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD11	5	0.38	0.37	0.19
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD12	5	0.38	0.37	0.19
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD13	5	0.38	0.37	0.19
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD21	5	0.38	0.37	0.19
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD22	5	0.38	0.37	0.19
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD23	5	0.38	0.37	0.19
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD11	5	0.38	0.37	0.19
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD12	5	0.38	0.37	0.19
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD13	5	0.38	0.37	0.19
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD21	5	0.38	0.37	0.19
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD22	5	0.38	0.37	0.19
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD23	5	0.38	0.37	0.19
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD11	5	0.38	0.37	0.19
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD12	5	0.38	0.37	0.19
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD13	5	0.38	0.37	0.19
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD21	5	0.38	0.37	0.19
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD22	5	0.38	0.37	0.19
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD23	5	0.38	0.37	0.19
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD11	5	0.38	0.37	0.19
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD12	5	0.38	0.37	0.19
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD13	5	0.38	0.37	0.19
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD21	5	0.38	0.37	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD22	5	0.38	0.37	0.19
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD23	5	0.38	0.37	0.19
(1,2287)	1:48:A:ASN:HB2	1:45:A:THR:HG21	5	0.34	0.13	0.35
(1,2287)	1:48:A:ASN:HB2	1:45:A:THR:HG22	5	0.34	0.13	0.35
(1,2287)	1:48:A:ASN:HB2	1:45:A:THR:HG23	5	0.34	0.13	0.35
(1,2287)	1:48:A:ASN:HB3	1:45:A:THR:HG21	5	0.34	0.13	0.35
(1,2287)	1:48:A:ASN:HB3	1:45:A:THR:HG22	5	0.34	0.13	0.35
(1,2287)	1:48:A:ASN:HB3	1:45:A:THR:HG23	5	0.34	0.13	0.35
(1,2411)	1:48:A:ASN:HB2	1:45:A:THR:HG21	5	0.34	0.13	0.35
(1,2411)	1:48:A:ASN:HB2	1:45:A:THR:HG22	5	0.34	0.13	0.35
(1,2411)	1:48:A:ASN:HB2	1:45:A:THR:HG23	5	0.34	0.13	0.35
(1,2411)	1:48:A:ASN:HB3	1:45:A:THR:HG21	5	0.34	0.13	0.35
(1,2411)	1:48:A:ASN:HB3	1:45:A:THR:HG22	5	0.34	0.13	0.35
(1,2411)	1:48:A:ASN:HB3	1:45:A:THR:HG23	5	0.34	0.13	0.35
(1,2535)	1:48:A:ASN:HB2	1:45:A:THR:HG21	5	0.34	0.13	0.35
(1,2535)	1:48:A:ASN:HB2	1:45:A:THR:HG22	5	0.34	0.13	0.35
(1,2535)	1:48:A:ASN:HB2	1:45:A:THR:HG23	5	0.34	0.13	0.35
(1,2535)	1:48:A:ASN:HB3	1:45:A:THR:HG21	5	0.34	0.13	0.35
(1,2535)	1:48:A:ASN:HB3	1:45:A:THR:HG22	5	0.34	0.13	0.35
(1,2535)	1:48:A:ASN:HB3	1:45:A:THR:HG23	5	0.34	0.13	0.35
(1,2659)	1:48:A:ASN:HB2	1:45:A:THR:HG21	5	0.34	0.13	0.35
(1,2659)	1:48:A:ASN:HB2	1:45:A:THR:HG22	5	0.34	0.13	0.35
(1,2659)	1:48:A:ASN:HB2	1:45:A:THR:HG23	5	0.34	0.13	0.35
(1,2659)	1:48:A:ASN:HB3	1:45:A:THR:HG21	5	0.34	0.13	0.35
(1,2659)	1:48:A:ASN:HB3	1:45:A:THR:HG22	5	0.34	0.13	0.35
(1,2659)	1:48:A:ASN:HB3	1:45:A:THR:HG23	5	0.34	0.13	0.35
(1,2783)	1:48:A:ASN:HB2	1:45:A:THR:HG21	5	0.34	0.13	0.35
(1,2783)	1:48:A:ASN:HB2	1:45:A:THR:HG22	5	0.34	0.13	0.35
(1,2783)	1:48:A:ASN:HB2	1:45:A:THR:HG23	5	0.34	0.13	0.35
(1,2783)	1:48:A:ASN:HB3	1:45:A:THR:HG21	5	0.34	0.13	0.35
(1,2783)	1:48:A:ASN:HB3	1:45:A:THR:HG22	5	0.34	0.13	0.35
(1,2783)	1:48:A:ASN:HB3	1:45:A:THR:HG23	5	0.34	0.13	0.35
(1,2219)	1:99:A:ASN:HB3	1:98:A:ALA:HB1	5	0.34	0.15	0.29
(1,2219)	1:99:A:ASN:HB3	1:98:A:ALA:HB2	5	0.34	0.15	0.29
(1,2219)	1:99:A:ASN:HB3	1:98:A:ALA:HB3	5	0.34	0.15	0.29
(1,2219)	1:99:A:ASN:HB2	1:98:A:ALA:HB1	5	0.34	0.15	0.29
(1,2219)	1:99:A:ASN:HB2	1:98:A:ALA:HB2	5	0.34	0.15	0.29
(1,2219)	1:99:A:ASN:HB2	1:98:A:ALA:HB3	5	0.34	0.15	0.29
(1,1590)	1:6:A:PHE:HB3	1:5:A:GLY:HA3	5	0.27	0.17	0.28
(1,197)	1:99:A:ASN:H	1:97:A:VAL:HG21	5	0.24	0.07	0.25
(1,197)	1:99:A:ASN:H	1:97:A:VAL:HG22	5	0.24	0.07	0.25
(1,197)	1:99:A:ASN:H	1:97:A:VAL:HG23	5	0.24	0.07	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2163)	1:93:A:LYS:HA	1:96:A:TYR:HB2	5	0.2	0.12	0.16
(1,2163)	1:93:A:LYS:HA	1:96:A:TYR:HB3	5	0.2	0.12	0.16
(2,87)	1:73:A:ASN:H	1:70:A:SER:H	5	0.19	0.06	0.14
(1,509)	1:54:A:LEU:H	1:52:A:GLN:HB2	5	0.18	0.01	0.18
(1,509)	1:54:A:LEU:H	1:52:A:GLN:HB3	5	0.18	0.01	0.18
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG21	5	0.17	0.03	0.19
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG22	5	0.17	0.03	0.19
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG23	5	0.17	0.03	0.19
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG21	5	0.17	0.03	0.19
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG22	5	0.17	0.03	0.19
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG23	5	0.17	0.03	0.19
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG21	5	0.17	0.03	0.19
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG22	5	0.17	0.03	0.19
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG23	5	0.17	0.03	0.19
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG11	5	0.17	0.03	0.19
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG12	5	0.17	0.03	0.19
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG13	5	0.17	0.03	0.19
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG11	5	0.17	0.03	0.19
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG12	5	0.17	0.03	0.19
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG13	5	0.17	0.03	0.19
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG11	5	0.17	0.03	0.19
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG12	5	0.17	0.03	0.19
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG13	5	0.17	0.03	0.19
(2,62)	1:47:A:GLN:HE21	1:46:A:VAL:HG11	5	0.17	0.01	0.18
(2,62)	1:47:A:GLN:HE21	1:46:A:VAL:HG12	5	0.17	0.01	0.18
(2,62)	1:47:A:GLN:HE21	1:46:A:VAL:HG13	5	0.17	0.01	0.18
(1,2192)	1:96:A:TYR:HB3	1:97:A:VAL:H	5	0.16	0.03	0.16
(1,259)	1:6:A:PHE:HA	1:9:A:LEU:HG	5	0.15	0.02	0.16
(2,294)	1:49:A:GLU:HA	1:53:A:GLU:H	5	0.15	0.01	0.15
(2,369)	1:49:A:GLU:HA	1:53:A:GLU:H	5	0.15	0.01	0.15
(2,444)	1:49:A:GLU:HA	1:53:A:GLU:H	5	0.15	0.01	0.15
(2,519)	1:49:A:GLU:HA	1:53:A:GLU:H	5	0.15	0.01	0.15
(2,594)	1:49:A:GLU:HA	1:53:A:GLU:H	5	0.15	0.01	0.15
(1,597)	1:68:A:LYS:HG2	1:69:A:ALA:H	5	0.14	0.04	0.12
(2,71)	1:58:A:GLU:H	1:62:A:SER:H	5	0.14	0.03	0.12
(1,836)	1:97:A:VAL:HA	1:100:A:ASP:H	5	0.14	0.01	0.13
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD11	5	0.14	0.03	0.12
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD12	5	0.14	0.03	0.12
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD13	5	0.14	0.03	0.12
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD21	5	0.14	0.03	0.12
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD22	5	0.14	0.03	0.12
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD23	5	0.14	0.03	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,116)	1:11:A:LEU:O	1:15:A:ILE:N	5	0.14	0.03	0.14
(1,1811)	1:45:A:THR:H	1:46:A:VAL:H	5	0.13	0.02	0.14
(1,1685)	1:18:A:VAL:H	1:17:A:LEU:HB2	5	0.13	0.03	0.13
(1,1685)	1:18:A:VAL:H	1:17:A:LEU:HB3	5	0.13	0.03	0.13
(4,50)	1:40:A:ARG:O	1:44:A:THR:N	5	0.11	0.02	0.1
(4,93)	1:84:A:GLU:O	1:88:A:ALA:H	5	0.11	0.01	0.11
(1,1336)	1:32:A:VAL:HA	1:31:A:THR:HG21	5	0.11	0.01	0.1
(1,1336)	1:32:A:VAL:HA	1:31:A:THR:HG22	5	0.11	0.01	0.1
(1,1336)	1:32:A:VAL:HA	1:31:A:THR:HG23	5	0.11	0.01	0.1
(1,2228)	1:101:A:PRO:HD2	1:100:A:ASP:H	4	1.08	0.33	0.93
(1,2228)	1:101:A:PRO:HD3	1:100:A:ASP:H	4	1.08	0.33	0.93
(1,1472)	1:73:A:ASN:H	1:74:A:LEU:HG	4	0.95	0.02	0.94
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD21	4	0.73	0.24	0.72
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD22	4	0.73	0.24	0.72
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD23	4	0.73	0.24	0.72
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD11	4	0.73	0.24	0.72
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD12	4	0.73	0.24	0.72
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD13	4	0.73	0.24	0.72
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD21	4	0.73	0.24	0.72
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD22	4	0.73	0.24	0.72
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD23	4	0.73	0.24	0.72
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD11	4	0.73	0.24	0.72
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD12	4	0.73	0.24	0.72
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD13	4	0.73	0.24	0.72
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD21	4	0.73	0.24	0.72
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD22	4	0.73	0.24	0.72
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD23	4	0.73	0.24	0.72
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD11	4	0.73	0.24	0.72
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD12	4	0.73	0.24	0.72
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD13	4	0.73	0.24	0.72
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD21	4	0.73	0.24	0.72
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD22	4	0.73	0.24	0.72
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD23	4	0.73	0.24	0.72
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD11	4	0.73	0.24	0.72
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD12	4	0.73	0.24	0.72
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD13	4	0.73	0.24	0.72
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD21	4	0.73	0.24	0.72
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD22	4	0.73	0.24	0.72
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD23	4	0.73	0.24	0.72
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD11	4	0.73	0.24	0.72
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD12	4	0.73	0.24	0.72
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD13	4	0.73	0.24	0.72

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2281)	1:45:A:THR:HA	1:48:A:ASN:HB2	4	0.6	0.11	0.57
(1,2281)	1:45:A:THR:HA	1:48:A:ASN:HB3	4	0.6	0.11	0.57
(1,2405)	1:45:A:THR:HA	1:48:A:ASN:HB2	4	0.6	0.11	0.57
(1,2405)	1:45:A:THR:HA	1:48:A:ASN:HB3	4	0.6	0.11	0.57
(1,2529)	1:45:A:THR:HA	1:48:A:ASN:HB2	4	0.6	0.11	0.57
(1,2529)	1:45:A:THR:HA	1:48:A:ASN:HB3	4	0.6	0.11	0.57
(1,2653)	1:45:A:THR:HA	1:48:A:ASN:HB2	4	0.6	0.11	0.57
(1,2653)	1:45:A:THR:HA	1:48:A:ASN:HB3	4	0.6	0.11	0.57
(1,2777)	1:45:A:THR:HA	1:48:A:ASN:HB2	4	0.6	0.11	0.57
(1,2777)	1:45:A:THR:HA	1:48:A:ASN:HB3	4	0.6	0.11	0.57
(2,265)	1:46:A:VAL:HB	1:50:A:LEU:HD11	4	0.41	0.04	0.42
(2,265)	1:46:A:VAL:HB	1:50:A:LEU:HD12	4	0.41	0.04	0.42
(2,265)	1:46:A:VAL:HB	1:50:A:LEU:HD13	4	0.41	0.04	0.42
(2,224)	1:96:A:TYR:HD1	1:102:A:LEU:HD11	4	0.37	0.01	0.37
(2,224)	1:96:A:TYR:HD1	1:102:A:LEU:HD12	4	0.37	0.01	0.37
(2,224)	1:96:A:TYR:HD1	1:102:A:LEU:HD13	4	0.37	0.01	0.37
(2,224)	1:96:A:TYR:HD2	1:102:A:LEU:HD11	4	0.37	0.01	0.37
(2,224)	1:96:A:TYR:HD2	1:102:A:LEU:HD12	4	0.37	0.01	0.37
(2,224)	1:96:A:TYR:HD2	1:102:A:LEU:HD13	4	0.37	0.01	0.37
(1,901)	1:90:A:GLU:HA	1:93:A:LYS:HG3	4	0.29	0.28	0.14
(1,1594)	1:6:A:PHE:HD1	1:7:A:SER:H	4	0.29	0.16	0.3
(1,1594)	1:6:A:PHE:HD2	1:7:A:SER:H	4	0.29	0.16	0.3
(1,1994)	1:73:A:ASN:HD21	1:72:A:THR:HG21	4	0.26	0.16	0.25
(1,1994)	1:73:A:ASN:HD21	1:72:A:THR:HG22	4	0.26	0.16	0.25
(1,1994)	1:73:A:ASN:HD21	1:72:A:THR:HG23	4	0.26	0.16	0.25
(1,1994)	1:73:A:ASN:HD22	1:72:A:THR:HG21	4	0.26	0.16	0.25
(1,1994)	1:73:A:ASN:HD22	1:72:A:THR:HG22	4	0.26	0.16	0.25
(1,1994)	1:73:A:ASN:HD22	1:72:A:THR:HG23	4	0.26	0.16	0.25
(1,2195)	1:96:A:TYR:HA	1:98:A:ALA:H	4	0.24	0.11	0.24
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG11	4	0.22	0.07	0.26
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG12	4	0.22	0.07	0.26
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG13	4	0.22	0.07	0.26
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG21	4	0.22	0.07	0.26
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG22	4	0.22	0.07	0.26
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG23	4	0.22	0.07	0.26
(1,27)	1:14:A:ILE:HB	1:15:A:ILE:HG21	4	0.21	0.03	0.21
(1,27)	1:14:A:ILE:HB	1:15:A:ILE:HG22	4	0.21	0.03	0.21
(1,27)	1:14:A:ILE:HB	1:15:A:ILE:HG23	4	0.21	0.03	0.21
(2,174)	1:69:A:ALA:HA	1:73:A:ASN:HD21	4	0.16	0.04	0.16
(2,174)	1:69:A:ALA:HA	1:73:A:ASN:HD22	4	0.16	0.04	0.16
(1,786)	1:91:A:SER:HA	1:93:A:LYS:H	4	0.15	0.0	0.15
(1,2077)	1:83:A:ASP:HB2	1:80:A:ALA:HA	4	0.15	0.02	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2077)	1:83:A:ASP:HB3	1:80:A:ALA:HA	4	0.15	0.02	0.16
(1,654)	1:76:A:PRO:HA	1:79:A:LYS:HB3	4	0.14	0.01	0.14
(2,126)	1:13:A:PHE:HZ	1:17:A:LEU:HB2	4	0.14	0.02	0.14
(2,126)	1:13:A:PHE:HZ	1:17:A:LEU:HB3	4	0.14	0.02	0.14
(1,20)	1:12:A:VAL:H	1:15:A:ILE:HD11	4	0.13	0.06	0.1
(1,20)	1:12:A:VAL:H	1:15:A:ILE:HD12	4	0.13	0.06	0.1
(1,20)	1:12:A:VAL:H	1:15:A:ILE:HD13	4	0.13	0.06	0.1
(1,493)	1:51:A:THR:HB	1:52:A:GLN:HG2	4	0.13	0.02	0.13
(1,493)	1:51:A:THR:HB	1:52:A:GLN:HG3	4	0.13	0.02	0.13
(1,913)	1:48:A:ASN:HB3	1:49:A:GLU:H	4	0.13	0.01	0.13
(2,316)	1:57:A:GLN:HE21	1:55:A:LYS:HA	4	0.13	0.0	0.13
(2,391)	1:57:A:GLN:HE21	1:55:A:LYS:HA	4	0.13	0.0	0.13
(2,466)	1:57:A:GLN:HE21	1:55:A:LYS:HA	4	0.13	0.0	0.13
(2,541)	1:57:A:GLN:HE21	1:55:A:LYS:HA	4	0.13	0.0	0.13
(2,616)	1:57:A:GLN:HE21	1:55:A:LYS:HA	4	0.13	0.0	0.13
(2,253)	1:52:A:GLN:HB2	1:56:A:LEU:HD11	4	0.13	0.01	0.13
(2,253)	1:52:A:GLN:HB2	1:56:A:LEU:HD12	4	0.13	0.01	0.13
(2,253)	1:52:A:GLN:HB2	1:56:A:LEU:HD13	4	0.13	0.01	0.13
(2,253)	1:52:A:GLN:HB3	1:56:A:LEU:HD11	4	0.13	0.01	0.13
(2,253)	1:52:A:GLN:HB3	1:56:A:LEU:HD12	4	0.13	0.01	0.13
(2,253)	1:52:A:GLN:HB3	1:56:A:LEU:HD13	4	0.13	0.01	0.13
(2,4)	1:9:A:LEU:HG	1:13:A:PHE:HD1	4	0.12	0.03	0.11
(2,4)	1:9:A:LEU:HG	1:13:A:PHE:HD2	4	0.12	0.03	0.11
(1,190)	1:95:A:SER:HB2	1:96:A:TYR:HD1	4	0.12	0.01	0.12
(1,190)	1:95:A:SER:HB2	1:96:A:TYR:HD2	4	0.12	0.01	0.12
(1,190)	1:95:A:SER:HB3	1:96:A:TYR:HD1	4	0.12	0.01	0.12
(1,190)	1:95:A:SER:HB3	1:96:A:TYR:HD2	4	0.12	0.01	0.12
(1,815)	1:95:A:SER:HB2	1:96:A:TYR:HD1	4	0.12	0.01	0.12
(1,815)	1:95:A:SER:HB2	1:96:A:TYR:HD2	4	0.12	0.01	0.12
(1,815)	1:95:A:SER:HB3	1:96:A:TYR:HD1	4	0.12	0.01	0.12
(1,815)	1:95:A:SER:HB3	1:96:A:TYR:HD2	4	0.12	0.01	0.12
(2,21)	1:17:A:LEU:H	1:20:A:LEU:HD21	4	0.11	0.01	0.11
(2,21)	1:17:A:LEU:H	1:20:A:LEU:HD22	4	0.11	0.01	0.11
(2,21)	1:17:A:LEU:H	1:20:A:LEU:HD23	4	0.11	0.01	0.11
(1,118)	1:47:A:GLN:HE21	1:44:A:THR:HG21	4	0.11	0.01	0.11
(1,118)	1:47:A:GLN:HE21	1:44:A:THR:HG22	4	0.11	0.01	0.11
(1,118)	1:47:A:GLN:HE21	1:44:A:THR:HG23	4	0.11	0.01	0.11
(1,118)	1:47:A:GLN:HE22	1:44:A:THR:HG21	4	0.11	0.01	0.11
(1,118)	1:47:A:GLN:HE22	1:44:A:THR:HG22	4	0.11	0.01	0.11
(1,118)	1:47:A:GLN:HE22	1:44:A:THR:HG23	4	0.11	0.01	0.11
(1,955)	1:10:A:LEU:HD11	1:13:A:PHE:HD1	3	1.09	0.24	1.25
(1,955)	1:10:A:LEU:HD11	1:13:A:PHE:HD2	3	1.09	0.24	1.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,955)	1:10:A:LEU:HD12	1:13:A:PHE:HD1	3	1.09	0.24	1.25
(1,955)	1:10:A:LEU:HD12	1:13:A:PHE:HD2	3	1.09	0.24	1.25
(1,955)	1:10:A:LEU:HD13	1:13:A:PHE:HD1	3	1.09	0.24	1.25
(1,955)	1:10:A:LEU:HD13	1:13:A:PHE:HD2	3	1.09	0.24	1.25
(1,955)	1:10:A:LEU:HD21	1:13:A:PHE:HD1	3	1.09	0.24	1.25
(1,955)	1:10:A:LEU:HD21	1:13:A:PHE:HD2	3	1.09	0.24	1.25
(1,955)	1:10:A:LEU:HD22	1:13:A:PHE:HD1	3	1.09	0.24	1.25
(1,955)	1:10:A:LEU:HD22	1:13:A:PHE:HD2	3	1.09	0.24	1.25
(1,955)	1:10:A:LEU:HD23	1:13:A:PHE:HD1	3	1.09	0.24	1.25
(1,955)	1:10:A:LEU:HD23	1:13:A:PHE:HD2	3	1.09	0.24	1.25
(1,1867)	1:57:A:GLN:H	1:55:A:LYS:HG3	3	0.89	0.1	0.88
(1,1558)	1:2:A:PHE:HD1	1:4:A:ILE:HD11	3	0.88	0.46	1.2
(1,1558)	1:2:A:PHE:HD1	1:4:A:ILE:HD12	3	0.88	0.46	1.2
(1,1558)	1:2:A:PHE:HD1	1:4:A:ILE:HD13	3	0.88	0.46	1.2
(1,1558)	1:2:A:PHE:HD2	1:4:A:ILE:HD11	3	0.88	0.46	1.2
(1,1558)	1:2:A:PHE:HD2	1:4:A:ILE:HD12	3	0.88	0.46	1.2
(1,1558)	1:2:A:PHE:HD2	1:4:A:ILE:HD13	3	0.88	0.46	1.2
(1,1435)	1:57:A:GLN:HG2	1:61:A:ASP:H	3	0.72	0.54	0.47
(1,1435)	1:57:A:GLN:HG3	1:61:A:ASP:H	3	0.72	0.54	0.47
(1,1555)	1:2:A:PHE:HB2	1:4:A:ILE:HD11	3	0.68	0.38	0.92
(1,1555)	1:2:A:PHE:HB2	1:4:A:ILE:HD12	3	0.68	0.38	0.92
(1,1555)	1:2:A:PHE:HB2	1:4:A:ILE:HD13	3	0.68	0.38	0.92
(1,1555)	1:2:A:PHE:HB3	1:4:A:ILE:HD11	3	0.68	0.38	0.92
(1,1555)	1:2:A:PHE:HB3	1:4:A:ILE:HD12	3	0.68	0.38	0.92
(1,1555)	1:2:A:PHE:HB3	1:4:A:ILE:HD13	3	0.68	0.38	0.92
(1,1586)	1:5:A:GLY:H	1:4:A:ILE:HG21	3	0.64	0.6	0.3
(1,1586)	1:5:A:GLY:H	1:4:A:ILE:HG22	3	0.64	0.6	0.3
(1,1586)	1:5:A:GLY:H	1:4:A:ILE:HG23	3	0.64	0.6	0.3
(1,953)	1:62:A:SER:HA	1:65:A:LYS:HD2	3	0.44	0.02	0.42
(1,953)	1:62:A:SER:HA	1:65:A:LYS:HD3	3	0.44	0.02	0.42
(1,240)	1:4:A:ILE:HD11	1:6:A:PHE:H	3	0.37	0.13	0.45
(1,240)	1:4:A:ILE:HD12	1:6:A:PHE:H	3	0.37	0.13	0.45
(1,240)	1:4:A:ILE:HD13	1:6:A:PHE:H	3	0.37	0.13	0.45
(1,1848)	1:52:A:GLN:HA	1:51:A:THR:HG21	3	0.36	0.05	0.34
(1,1848)	1:52:A:GLN:HA	1:51:A:THR:HG22	3	0.36	0.05	0.34
(1,1848)	1:52:A:GLN:HA	1:51:A:THR:HG23	3	0.36	0.05	0.34
(2,233)	1:101:A:PRO:HA	1:102:A:LEU:HG	3	0.35	0.09	0.37
(1,1566)	1:3:A:ASP:H	1:4:A:ILE:HB	3	0.34	0.02	0.34
(2,221)	1:96:A:TYR:HA	1:99:A:ASN:HB2	3	0.29	0.06	0.29
(2,221)	1:96:A:TYR:HA	1:99:A:ASN:HB3	3	0.29	0.06	0.29
(1,1611)	1:8:A:GLU:H	1:7:A:SER:HB2	3	0.21	0.01	0.21
(1,1611)	1:8:A:GLU:H	1:7:A:SER:HB3	3	0.21	0.01	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,293)	1:49:A:GLU:HA	1:51:A:THR:HG21	3	0.18	0.03	0.17
(2,293)	1:49:A:GLU:HA	1:51:A:THR:HG22	3	0.18	0.03	0.17
(2,293)	1:49:A:GLU:HA	1:51:A:THR:HG23	3	0.18	0.03	0.17
(2,368)	1:49:A:GLU:HA	1:51:A:THR:HG21	3	0.18	0.03	0.17
(2,368)	1:49:A:GLU:HA	1:51:A:THR:HG22	3	0.18	0.03	0.17
(2,368)	1:49:A:GLU:HA	1:51:A:THR:HG23	3	0.18	0.03	0.17
(2,443)	1:49:A:GLU:HA	1:51:A:THR:HG21	3	0.18	0.03	0.17
(2,443)	1:49:A:GLU:HA	1:51:A:THR:HG22	3	0.18	0.03	0.17
(2,443)	1:49:A:GLU:HA	1:51:A:THR:HG23	3	0.18	0.03	0.17
(2,518)	1:49:A:GLU:HA	1:51:A:THR:HG21	3	0.18	0.03	0.17
(2,518)	1:49:A:GLU:HA	1:51:A:THR:HG22	3	0.18	0.03	0.17
(2,518)	1:49:A:GLU:HA	1:51:A:THR:HG23	3	0.18	0.03	0.17
(2,593)	1:49:A:GLU:HA	1:51:A:THR:HG21	3	0.18	0.03	0.17
(2,593)	1:49:A:GLU:HA	1:51:A:THR:HG22	3	0.18	0.03	0.17
(2,593)	1:49:A:GLU:HA	1:51:A:THR:HG23	3	0.18	0.03	0.17
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	3	0.16	0.03	0.15
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	3	0.16	0.03	0.15
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	3	0.16	0.03	0.15
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	3	0.16	0.03	0.15
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	3	0.16	0.03	0.15
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	3	0.16	0.03	0.15
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	3	0.16	0.03	0.15
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	3	0.16	0.03	0.15
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	3	0.16	0.03	0.15
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	3	0.16	0.03	0.15
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	3	0.16	0.03	0.15
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	3	0.16	0.03	0.15
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	3	0.16	0.03	0.15
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	3	0.16	0.03	0.15
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	3	0.16	0.03	0.15
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	3	0.16	0.03	0.15
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	3	0.16	0.03	0.15
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	3	0.16	0.03	0.15
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	3	0.16	0.03	0.15
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	3	0.16	0.03	0.15
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	3	0.16	0.03	0.15
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	3	0.16	0.03	0.15
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	3	0.16	0.03	0.15
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	3	0.16	0.03	0.15
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	3	0.16	0.03	0.15
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	3	0.16	0.03	0.15
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	3	0.16	0.03	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	3	0.16	0.03	0.15
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	3	0.16	0.03	0.15
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	3	0.16	0.03	0.15
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	3	0.16	0.03	0.15
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	3	0.16	0.03	0.15
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	3	0.16	0.03	0.15
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	3	0.16	0.03	0.15
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	3	0.16	0.03	0.15
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	3	0.16	0.03	0.15
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	3	0.16	0.03	0.15
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	3	0.16	0.03	0.15
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	3	0.16	0.03	0.15
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	3	0.16	0.03	0.15
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	3	0.16	0.03	0.15
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	3	0.16	0.03	0.15
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	3	0.16	0.03	0.15
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	3	0.16	0.03	0.15
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	3	0.16	0.03	0.15
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	3	0.16	0.03	0.15
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	3	0.16	0.03	0.15
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	3	0.16	0.03	0.15
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	3	0.16	0.03	0.15
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	3	0.16	0.03	0.15
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	3	0.16	0.03	0.15
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	3	0.16	0.03	0.15
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	3	0.16	0.03	0.15
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	3	0.16	0.03	0.15
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	3	0.16	0.03	0.15
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	3	0.16	0.03	0.15
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	3	0.16	0.03	0.15
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	3	0.16	0.03	0.15
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	3	0.16	0.03	0.15
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	3	0.16	0.03	0.15
(2,296)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	3	0.16	0.02	0.15
(2,296)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	3	0.16	0.02	0.15
(2,296)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	3	0.16	0.02	0.15
(2,371)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	3	0.16	0.02	0.15
(2,371)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	3	0.16	0.02	0.15
(2,371)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	3	0.16	0.02	0.15
(2,446)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	3	0.16	0.02	0.15
(2,446)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	3	0.16	0.02	0.15
(2,446)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	3	0.16	0.02	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,521)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	3	0.16	0.02	0.15
(2,521)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	3	0.16	0.02	0.15
(2,521)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	3	0.16	0.02	0.15
(2,596)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	3	0.16	0.02	0.15
(2,596)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	3	0.16	0.02	0.15
(2,596)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	3	0.16	0.02	0.15
(2,231)	1:101:A:PRO:HD2	1:98:A:ALA:H	3	0.15	0.07	0.11
(2,231)	1:101:A:PRO:HD3	1:98:A:ALA:H	3	0.15	0.07	0.11
(4,65)	1:62:A:SER:O	1:66:A:VAL:H	3	0.14	0.04	0.14
(1,12)	1:10:A:LEU:HB2	1:14:A:ILE:HG21	3	0.13	0.04	0.11
(1,12)	1:10:A:LEU:HB2	1:14:A:ILE:HG22	3	0.13	0.04	0.11
(1,12)	1:10:A:LEU:HB2	1:14:A:ILE:HG23	3	0.13	0.04	0.11
(1,12)	1:10:A:LEU:HB3	1:14:A:ILE:HG21	3	0.13	0.04	0.11
(1,12)	1:10:A:LEU:HB3	1:14:A:ILE:HG22	3	0.13	0.04	0.11
(1,12)	1:10:A:LEU:HB3	1:14:A:ILE:HG23	3	0.13	0.04	0.11
(4,119)	1:15:A:ILE:O	1:19:A:VAL:N	3	0.13	0.03	0.11
(1,448)	1:43:A:ALA:H	1:41:A:SER:HA	3	0.12	0.02	0.11
(1,3)	1:2:A:PHE:HZ	1:4:A:ILE:HD11	3	0.12	0.02	0.11
(1,3)	1:2:A:PHE:HZ	1:4:A:ILE:HD12	3	0.12	0.02	0.11
(1,3)	1:2:A:PHE:HZ	1:4:A:ILE:HD13	3	0.12	0.02	0.11
(2,119)	1:9:A:LEU:HA	1:12:A:VAL:HA	3	0.12	0.02	0.11
(1,438)	1:42:A:LEU:H	1:39:A:LEU:HB2	3	0.12	0.01	0.12
(2,100)	1:93:A:LYS:HB2	1:96:A:TYR:HE1	3	0.12	0.01	0.12
(2,100)	1:93:A:LYS:HB2	1:96:A:TYR:HE2	3	0.12	0.01	0.12
(4,39)	1:35:A:TRP:O	1:39:A:LEU:H	3	0.12	0.0	0.12
(2,206)	1:84:A:GLU:H	1:82:A:MET:HE1	3	0.11	0.01	0.11
(2,206)	1:84:A:GLU:H	1:82:A:MET:HE2	3	0.11	0.01	0.11
(2,206)	1:84:A:GLU:H	1:82:A:MET:HE3	3	0.11	0.01	0.11
(4,13)	1:12:A:VAL:O	1:16:A:GLY:H	3	0.11	0.0	0.11
(1,814)	1:94:A:ARG:H	1:97:A:VAL:HG21	3	0.1	0.0	0.1
(1,814)	1:94:A:ARG:H	1:97:A:VAL:HG22	3	0.1	0.0	0.1
(1,814)	1:94:A:ARG:H	1:97:A:VAL:HG23	3	0.1	0.0	0.1
(4,101)	1:88:A:ALA:O	1:92:A:MET:H	3	0.1	0.0	0.1
(1,1673)	1:16:A:GLY:H	1:17:A:LEU:HG	2	2.7	0.02	2.7
(1,1660)	1:14:A:ILE:HA	1:17:A:LEU:HG	2	2.11	0.01	2.11
(1,1246)	1:4:A:ILE:HD11	1:7:A:SER:HB2	2	2.08	0.02	2.08
(1,1246)	1:4:A:ILE:HD11	1:7:A:SER:HB3	2	2.08	0.02	2.08
(1,1246)	1:4:A:ILE:HD12	1:7:A:SER:HB2	2	2.08	0.02	2.08
(1,1246)	1:4:A:ILE:HD12	1:7:A:SER:HB3	2	2.08	0.02	2.08
(1,1246)	1:4:A:ILE:HD13	1:7:A:SER:HB2	2	2.08	0.02	2.08
(1,1246)	1:4:A:ILE:HD13	1:7:A:SER:HB3	2	2.08	0.02	2.08
(1,1565)	1:3:A:ASP:HB3	1:4:A:ILE:H	2	1.04	0.86	1.04

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1288)	1:16:A:GLY:H	1:17:A:LEU:HD21	2	1.01	0.04	1.01
(1,1288)	1:16:A:GLY:H	1:17:A:LEU:HD22	2	1.01	0.04	1.01
(1,1288)	1:16:A:GLY:H	1:17:A:LEU:HD23	2	1.01	0.04	1.01
(1,1556)	1:2:A:PHE:H	1:4:A:ILE:HG12	2	1.0	0.03	1.0
(1,1655)	1:14:A:ILE:HG12	1:13:A:PHE:HD1	2	0.94	0.38	0.94
(1,1655)	1:14:A:ILE:HG12	1:13:A:PHE:HD2	2	0.94	0.38	0.94
(1,1655)	1:14:A:ILE:HG13	1:13:A:PHE:HD1	2	0.94	0.38	0.94
(1,1655)	1:14:A:ILE:HG13	1:13:A:PHE:HD2	2	0.94	0.38	0.94
(2,128)	1:16:A:GLY:H	1:17:A:LEU:HG	2	0.7	0.02	0.7
(1,2259)	1:20:A:LEU:HD11	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2259)	1:20:A:LEU:HD11	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2259)	1:20:A:LEU:HD11	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2259)	1:20:A:LEU:HD12	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2259)	1:20:A:LEU:HD12	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2259)	1:20:A:LEU:HD12	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2259)	1:20:A:LEU:HD13	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2259)	1:20:A:LEU:HD13	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2259)	1:20:A:LEU:HD13	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2259)	1:20:A:LEU:HD21	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2259)	1:20:A:LEU:HD21	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2259)	1:20:A:LEU:HD21	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2259)	1:20:A:LEU:HD22	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2259)	1:20:A:LEU:HD22	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2259)	1:20:A:LEU:HD22	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2259)	1:20:A:LEU:HD23	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2259)	1:20:A:LEU:HD23	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2259)	1:20:A:LEU:HD23	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2383)	1:20:A:LEU:HD11	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2383)	1:20:A:LEU:HD11	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2383)	1:20:A:LEU:HD11	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2383)	1:20:A:LEU:HD12	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2383)	1:20:A:LEU:HD12	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2383)	1:20:A:LEU:HD12	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2383)	1:20:A:LEU:HD13	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2383)	1:20:A:LEU:HD13	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2383)	1:20:A:LEU:HD13	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2383)	1:20:A:LEU:HD21	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2383)	1:20:A:LEU:HD21	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2383)	1:20:A:LEU:HD21	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2383)	1:20:A:LEU:HD22	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2383)	1:20:A:LEU:HD22	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2383)	1:20:A:LEU:HD22	1:28:A:ALA:HB3	2	0.66	0.02	0.66

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2383)	1:20:A:LEU:HD23	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2383)	1:20:A:LEU:HD23	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2383)	1:20:A:LEU:HD23	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2507)	1:20:A:LEU:HD11	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2507)	1:20:A:LEU:HD11	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2507)	1:20:A:LEU:HD11	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2507)	1:20:A:LEU:HD12	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2507)	1:20:A:LEU:HD12	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2507)	1:20:A:LEU:HD12	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2507)	1:20:A:LEU:HD13	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2507)	1:20:A:LEU:HD13	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2507)	1:20:A:LEU:HD13	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2507)	1:20:A:LEU:HD21	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2507)	1:20:A:LEU:HD21	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2507)	1:20:A:LEU:HD21	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2507)	1:20:A:LEU:HD22	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2507)	1:20:A:LEU:HD22	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2507)	1:20:A:LEU:HD22	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2507)	1:20:A:LEU:HD23	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2507)	1:20:A:LEU:HD23	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2507)	1:20:A:LEU:HD23	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2631)	1:20:A:LEU:HD11	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2631)	1:20:A:LEU:HD11	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2631)	1:20:A:LEU:HD11	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2631)	1:20:A:LEU:HD12	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2631)	1:20:A:LEU:HD12	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2631)	1:20:A:LEU:HD12	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2631)	1:20:A:LEU:HD13	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2631)	1:20:A:LEU:HD13	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2631)	1:20:A:LEU:HD13	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2631)	1:20:A:LEU:HD21	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2631)	1:20:A:LEU:HD21	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2631)	1:20:A:LEU:HD21	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2631)	1:20:A:LEU:HD22	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2631)	1:20:A:LEU:HD22	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2631)	1:20:A:LEU:HD22	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2631)	1:20:A:LEU:HD23	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2631)	1:20:A:LEU:HD23	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2631)	1:20:A:LEU:HD23	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2755)	1:20:A:LEU:HD11	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2755)	1:20:A:LEU:HD11	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2755)	1:20:A:LEU:HD11	1:28:A:ALA:HB3	2	0.66	0.02	0.66

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2755)	1:20:A:LEU:HD12	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2755)	1:20:A:LEU:HD12	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2755)	1:20:A:LEU:HD12	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2755)	1:20:A:LEU:HD13	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2755)	1:20:A:LEU:HD13	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2755)	1:20:A:LEU:HD13	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2755)	1:20:A:LEU:HD21	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2755)	1:20:A:LEU:HD21	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2755)	1:20:A:LEU:HD21	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2755)	1:20:A:LEU:HD22	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2755)	1:20:A:LEU:HD22	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2755)	1:20:A:LEU:HD22	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,2755)	1:20:A:LEU:HD23	1:28:A:ALA:HB1	2	0.66	0.02	0.66
(1,2755)	1:20:A:LEU:HD23	1:28:A:ALA:HB2	2	0.66	0.02	0.66
(1,2755)	1:20:A:LEU:HD23	1:28:A:ALA:HB3	2	0.66	0.02	0.66
(1,1427)	1:51:A:THR:H	1:49:A:GLU:HB2	2	0.66	0.03	0.66
(1,1427)	1:51:A:THR:H	1:49:A:GLU:HB3	2	0.66	0.03	0.66
(1,1917)	1:65:A:LYS:HB2	1:62:A:SER:HA	2	0.64	0.27	0.64
(1,1917)	1:65:A:LYS:HB3	1:62:A:SER:HA	2	0.64	0.27	0.64
(1,2050)	1:79:A:LYS:H	1:82:A:MET:HG2	2	0.56	0.46	0.56
(1,2050)	1:79:A:LYS:H	1:82:A:MET:HG3	2	0.56	0.46	0.56
(1,1440)	1:59:A:PHE:HD1	1:63:A:LEU:HD21	2	0.52	0.05	0.52
(1,1440)	1:59:A:PHE:HD1	1:63:A:LEU:HD22	2	0.52	0.05	0.52
(1,1440)	1:59:A:PHE:HD1	1:63:A:LEU:HD23	2	0.52	0.05	0.52
(1,1440)	1:59:A:PHE:HD2	1:63:A:LEU:HD21	2	0.52	0.05	0.52
(1,1440)	1:59:A:PHE:HD2	1:63:A:LEU:HD22	2	0.52	0.05	0.52
(1,1440)	1:59:A:PHE:HD2	1:63:A:LEU:HD23	2	0.52	0.05	0.52
(1,1440)	1:59:A:PHE:HD1	1:63:A:LEU:HD11	2	0.52	0.05	0.52
(1,1440)	1:59:A:PHE:HD1	1:63:A:LEU:HD12	2	0.52	0.05	0.52
(1,1440)	1:59:A:PHE:HD1	1:63:A:LEU:HD13	2	0.52	0.05	0.52
(1,1440)	1:59:A:PHE:HD2	1:63:A:LEU:HD11	2	0.52	0.05	0.52
(1,1440)	1:59:A:PHE:HD2	1:63:A:LEU:HD12	2	0.52	0.05	0.52
(1,1440)	1:59:A:PHE:HD2	1:63:A:LEU:HD13	2	0.52	0.05	0.52
(1,2271)	1:24:A:ARG:HB2	1:20:A:LEU:HD11	2	0.48	0.09	0.48
(1,2271)	1:24:A:ARG:HB2	1:20:A:LEU:HD12	2	0.48	0.09	0.48
(1,2271)	1:24:A:ARG:HB2	1:20:A:LEU:HD13	2	0.48	0.09	0.48
(1,2395)	1:24:A:ARG:HB2	1:20:A:LEU:HD11	2	0.48	0.09	0.48
(1,2395)	1:24:A:ARG:HB2	1:20:A:LEU:HD12	2	0.48	0.09	0.48
(1,2395)	1:24:A:ARG:HB2	1:20:A:LEU:HD13	2	0.48	0.09	0.48
(1,2519)	1:24:A:ARG:HB2	1:20:A:LEU:HD11	2	0.48	0.09	0.48
(1,2519)	1:24:A:ARG:HB2	1:20:A:LEU:HD12	2	0.48	0.09	0.48
(1,2519)	1:24:A:ARG:HB2	1:20:A:LEU:HD13	2	0.48	0.09	0.48

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2643)	1:24:A:ARG:HB2	1:20:A:LEU:HD11	2	0.48	0.09	0.48
(1,2643)	1:24:A:ARG:HB2	1:20:A:LEU:HD12	2	0.48	0.09	0.48
(1,2643)	1:24:A:ARG:HB2	1:20:A:LEU:HD13	2	0.48	0.09	0.48
(1,2767)	1:24:A:ARG:HB2	1:20:A:LEU:HD11	2	0.48	0.09	0.48
(1,2767)	1:24:A:ARG:HB2	1:20:A:LEU:HD12	2	0.48	0.09	0.48
(1,2767)	1:24:A:ARG:HB2	1:20:A:LEU:HD13	2	0.48	0.09	0.48
(1,236)	1:4:A:ILE:HB	1:5:A:GLY:H	2	0.46	0.3	0.46
(2,130)	1:21:A:GLY:H	1:17:A:LEU:HD21	2	0.45	0.04	0.45
(2,130)	1:21:A:GLY:H	1:17:A:LEU:HD22	2	0.45	0.04	0.45
(2,130)	1:21:A:GLY:H	1:17:A:LEU:HD23	2	0.45	0.04	0.45
(1,965)	1:6:A:PHE:HE1	1:4:A:ILE:HG21	2	0.44	0.25	0.44
(1,965)	1:6:A:PHE:HE1	1:4:A:ILE:HG22	2	0.44	0.25	0.44
(1,965)	1:6:A:PHE:HE1	1:4:A:ILE:HG23	2	0.44	0.25	0.44
(1,965)	1:6:A:PHE:HE2	1:4:A:ILE:HG21	2	0.44	0.25	0.44
(1,965)	1:6:A:PHE:HE2	1:4:A:ILE:HG22	2	0.44	0.25	0.44
(1,965)	1:6:A:PHE:HE2	1:4:A:ILE:HG23	2	0.44	0.25	0.44
(1,2309)	1:51:A:THR:HB	1:50:A:LEU:HD11	2	0.42	0.07	0.42
(1,2309)	1:51:A:THR:HB	1:50:A:LEU:HD12	2	0.42	0.07	0.42
(1,2309)	1:51:A:THR:HB	1:50:A:LEU:HD13	2	0.42	0.07	0.42
(1,2309)	1:51:A:THR:HB	1:50:A:LEU:HD21	2	0.42	0.07	0.42
(1,2309)	1:51:A:THR:HB	1:50:A:LEU:HD22	2	0.42	0.07	0.42
(1,2309)	1:51:A:THR:HB	1:50:A:LEU:HD23	2	0.42	0.07	0.42
(1,2433)	1:51:A:THR:HB	1:50:A:LEU:HD11	2	0.42	0.07	0.42
(1,2433)	1:51:A:THR:HB	1:50:A:LEU:HD12	2	0.42	0.07	0.42
(1,2433)	1:51:A:THR:HB	1:50:A:LEU:HD13	2	0.42	0.07	0.42
(1,2433)	1:51:A:THR:HB	1:50:A:LEU:HD21	2	0.42	0.07	0.42
(1,2433)	1:51:A:THR:HB	1:50:A:LEU:HD22	2	0.42	0.07	0.42
(1,2433)	1:51:A:THR:HB	1:50:A:LEU:HD23	2	0.42	0.07	0.42
(1,2557)	1:51:A:THR:HB	1:50:A:LEU:HD11	2	0.42	0.07	0.42
(1,2557)	1:51:A:THR:HB	1:50:A:LEU:HD12	2	0.42	0.07	0.42
(1,2557)	1:51:A:THR:HB	1:50:A:LEU:HD13	2	0.42	0.07	0.42
(1,2557)	1:51:A:THR:HB	1:50:A:LEU:HD21	2	0.42	0.07	0.42
(1,2557)	1:51:A:THR:HB	1:50:A:LEU:HD22	2	0.42	0.07	0.42
(1,2557)	1:51:A:THR:HB	1:50:A:LEU:HD23	2	0.42	0.07	0.42
(1,2681)	1:51:A:THR:HB	1:50:A:LEU:HD11	2	0.42	0.07	0.42
(1,2681)	1:51:A:THR:HB	1:50:A:LEU:HD12	2	0.42	0.07	0.42
(1,2681)	1:51:A:THR:HB	1:50:A:LEU:HD13	2	0.42	0.07	0.42
(1,2681)	1:51:A:THR:HB	1:50:A:LEU:HD21	2	0.42	0.07	0.42
(1,2681)	1:51:A:THR:HB	1:50:A:LEU:HD22	2	0.42	0.07	0.42
(1,2681)	1:51:A:THR:HB	1:50:A:LEU:HD23	2	0.42	0.07	0.42
(1,2805)	1:51:A:THR:HB	1:50:A:LEU:HD11	2	0.42	0.07	0.42
(1,2805)	1:51:A:THR:HB	1:50:A:LEU:HD12	2	0.42	0.07	0.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2805)	1:51:A:THR:HB	1:50:A:LEU:HD13	2	0.42	0.07	0.42
(1,2805)	1:51:A:THR:HB	1:50:A:LEU:HD21	2	0.42	0.07	0.42
(1,2805)	1:51:A:THR:HB	1:50:A:LEU:HD22	2	0.42	0.07	0.42
(1,2805)	1:51:A:THR:HB	1:50:A:LEU:HD23	2	0.42	0.07	0.42
(1,979)	1:101:A:PRO:HD2	1:102:A:LEU:HG	2	0.38	0.16	0.38
(1,979)	1:101:A:PRO:HD3	1:102:A:LEU:HG	2	0.38	0.16	0.38
(2,230)	1:101:A:PRO:HD2	1:98:A:ALA:HB1	2	0.31	0.04	0.31
(2,230)	1:101:A:PRO:HD2	1:98:A:ALA:HB2	2	0.31	0.04	0.31
(2,230)	1:101:A:PRO:HD2	1:98:A:ALA:HB3	2	0.31	0.04	0.31
(2,230)	1:101:A:PRO:HD3	1:98:A:ALA:HB1	2	0.31	0.04	0.31
(2,230)	1:101:A:PRO:HD3	1:98:A:ALA:HB2	2	0.31	0.04	0.31
(2,230)	1:101:A:PRO:HD3	1:98:A:ALA:HB3	2	0.31	0.04	0.31
(1,856)	1:101:A:PRO:HG2	1:102:A:LEU:HG	2	0.3	0.0	0.3
(1,2166)	1:94:A:ARG:HB2	1:91:A:SER:HA	2	0.29	0.0	0.29
(1,2166)	1:94:A:ARG:HB3	1:91:A:SER:HA	2	0.29	0.0	0.29
(2,70)	1:58:A:GLU:H	1:55:A:LYS:HD2	2	0.26	0.08	0.26
(2,70)	1:58:A:GLU:H	1:55:A:LYS:HD3	2	0.26	0.08	0.26
(1,944)	1:2:A:PHE:HB2	1:4:A:ILE:HD11	2	0.23	0.03	0.23
(1,944)	1:2:A:PHE:HB2	1:4:A:ILE:HD12	2	0.23	0.03	0.23
(1,944)	1:2:A:PHE:HB2	1:4:A:ILE:HD13	2	0.23	0.03	0.23
(4,57)	1:58:A:GLU:O	1:62:A:SER:H	2	0.22	0.09	0.22
(1,1275)	1:13:A:PHE:HD1	1:14:A:ILE:HD11	2	0.22	0.1	0.22
(1,1275)	1:13:A:PHE:HD1	1:14:A:ILE:HD12	2	0.22	0.1	0.22
(1,1275)	1:13:A:PHE:HD1	1:14:A:ILE:HD13	2	0.22	0.1	0.22
(1,1275)	1:13:A:PHE:HD2	1:14:A:ILE:HD11	2	0.22	0.1	0.22
(1,1275)	1:13:A:PHE:HD2	1:14:A:ILE:HD12	2	0.22	0.1	0.22
(1,1275)	1:13:A:PHE:HD2	1:14:A:ILE:HD13	2	0.22	0.1	0.22
(2,66)	1:56:A:LEU:HB2	1:60:A:GLN:HB2	2	0.21	0.01	0.21
(1,2264)	1:22:A:PRO:HA	1:17:A:LEU:HD11	2	0.2	0.1	0.2
(1,2264)	1:22:A:PRO:HA	1:17:A:LEU:HD12	2	0.2	0.1	0.2
(1,2264)	1:22:A:PRO:HA	1:17:A:LEU:HD13	2	0.2	0.1	0.2
(1,2264)	1:22:A:PRO:HA	1:17:A:LEU:HD21	2	0.2	0.1	0.2
(1,2264)	1:22:A:PRO:HA	1:17:A:LEU:HD22	2	0.2	0.1	0.2
(1,2264)	1:22:A:PRO:HA	1:17:A:LEU:HD23	2	0.2	0.1	0.2
(1,2388)	1:22:A:PRO:HA	1:17:A:LEU:HD11	2	0.2	0.1	0.2
(1,2388)	1:22:A:PRO:HA	1:17:A:LEU:HD12	2	0.2	0.1	0.2
(1,2388)	1:22:A:PRO:HA	1:17:A:LEU:HD13	2	0.2	0.1	0.2
(1,2388)	1:22:A:PRO:HA	1:17:A:LEU:HD21	2	0.2	0.1	0.2
(1,2388)	1:22:A:PRO:HA	1:17:A:LEU:HD22	2	0.2	0.1	0.2
(1,2388)	1:22:A:PRO:HA	1:17:A:LEU:HD23	2	0.2	0.1	0.2
(1,2512)	1:22:A:PRO:HA	1:17:A:LEU:HD11	2	0.2	0.1	0.2
(1,2512)	1:22:A:PRO:HA	1:17:A:LEU:HD12	2	0.2	0.1	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2512)	1:22:A:PRO:HA	1:17:A:LEU:HD13	2	0.2	0.1	0.2
(1,2512)	1:22:A:PRO:HA	1:17:A:LEU:HD21	2	0.2	0.1	0.2
(1,2512)	1:22:A:PRO:HA	1:17:A:LEU:HD22	2	0.2	0.1	0.2
(1,2512)	1:22:A:PRO:HA	1:17:A:LEU:HD23	2	0.2	0.1	0.2
(1,2636)	1:22:A:PRO:HA	1:17:A:LEU:HD11	2	0.2	0.1	0.2
(1,2636)	1:22:A:PRO:HA	1:17:A:LEU:HD12	2	0.2	0.1	0.2
(1,2636)	1:22:A:PRO:HA	1:17:A:LEU:HD13	2	0.2	0.1	0.2
(1,2636)	1:22:A:PRO:HA	1:17:A:LEU:HD21	2	0.2	0.1	0.2
(1,2636)	1:22:A:PRO:HA	1:17:A:LEU:HD22	2	0.2	0.1	0.2
(1,2636)	1:22:A:PRO:HA	1:17:A:LEU:HD23	2	0.2	0.1	0.2
(1,2760)	1:22:A:PRO:HA	1:17:A:LEU:HD11	2	0.2	0.1	0.2
(1,2760)	1:22:A:PRO:HA	1:17:A:LEU:HD12	2	0.2	0.1	0.2
(1,2760)	1:22:A:PRO:HA	1:17:A:LEU:HD13	2	0.2	0.1	0.2
(1,2760)	1:22:A:PRO:HA	1:17:A:LEU:HD21	2	0.2	0.1	0.2
(1,2760)	1:22:A:PRO:HA	1:17:A:LEU:HD22	2	0.2	0.1	0.2
(1,2760)	1:22:A:PRO:HA	1:17:A:LEU:HD23	2	0.2	0.1	0.2
(1,2058)	1:81:A:SER:H	1:80:A:ALA:HB1	2	0.2	0.09	0.2
(1,2058)	1:81:A:SER:H	1:80:A:ALA:HB2	2	0.2	0.09	0.2
(1,2058)	1:81:A:SER:H	1:80:A:ALA:HB3	2	0.2	0.09	0.2
(2,133)	1:22:A:PRO:HD3	1:24:A:ARG:H	2	0.18	0.02	0.18
(1,1637)	1:13:A:PHE:H	1:12:A:VAL:HB	2	0.18	0.04	0.18
(1,203)	1:1:A:MET:HE1	1:3:A:ASP:H	2	0.17	0.06	0.17
(1,203)	1:1:A:MET:HE2	1:3:A:ASP:H	2	0.17	0.06	0.17
(1,203)	1:1:A:MET:HE3	1:3:A:ASP:H	2	0.17	0.06	0.17
(1,1023)	1:48:A:ASN:HD22	1:51:A:THR:HG21	2	0.17	0.0	0.17
(1,1023)	1:48:A:ASN:HD22	1:51:A:THR:HG22	2	0.17	0.0	0.17
(1,1023)	1:48:A:ASN:HD22	1:51:A:THR:HG23	2	0.17	0.0	0.17
(1,1071)	1:48:A:ASN:HD22	1:51:A:THR:HG21	2	0.17	0.0	0.17
(1,1071)	1:48:A:ASN:HD22	1:51:A:THR:HG22	2	0.17	0.0	0.17
(1,1071)	1:48:A:ASN:HD22	1:51:A:THR:HG23	2	0.17	0.0	0.17
(1,1119)	1:48:A:ASN:HD22	1:51:A:THR:HG21	2	0.17	0.0	0.17
(1,1119)	1:48:A:ASN:HD22	1:51:A:THR:HG22	2	0.17	0.0	0.17
(1,1119)	1:48:A:ASN:HD22	1:51:A:THR:HG23	2	0.17	0.0	0.17
(1,1167)	1:48:A:ASN:HD22	1:51:A:THR:HG21	2	0.17	0.0	0.17
(1,1167)	1:48:A:ASN:HD22	1:51:A:THR:HG22	2	0.17	0.0	0.17
(1,1167)	1:48:A:ASN:HD22	1:51:A:THR:HG23	2	0.17	0.0	0.17
(1,1215)	1:48:A:ASN:HD22	1:51:A:THR:HG21	2	0.17	0.0	0.17
(1,1215)	1:48:A:ASN:HD22	1:51:A:THR:HG22	2	0.17	0.0	0.17
(1,1215)	1:48:A:ASN:HD22	1:51:A:THR:HG23	2	0.17	0.0	0.17
(1,109)	1:44:A:THR:HG21	1:47:A:GLN:HG2	2	0.16	0.02	0.16
(1,109)	1:44:A:THR:HG21	1:47:A:GLN:HG3	2	0.16	0.02	0.16
(1,109)	1:44:A:THR:HG22	1:47:A:GLN:HG2	2	0.16	0.02	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,109)	1:44:A:THR:HG22	1:47:A:GLN:HG3	2	0.16	0.02	0.16
(1,109)	1:44:A:THR:HG23	1:47:A:GLN:HG2	2	0.16	0.02	0.16
(1,109)	1:44:A:THR:HG23	1:47:A:GLN:HG3	2	0.16	0.02	0.16
(1,2040)	1:78:A:LEU:HD11	1:82:A:MET:HE1	2	0.16	0.04	0.16
(1,2040)	1:78:A:LEU:HD11	1:82:A:MET:HE2	2	0.16	0.04	0.16
(1,2040)	1:78:A:LEU:HD11	1:82:A:MET:HE3	2	0.16	0.04	0.16
(1,2040)	1:78:A:LEU:HD12	1:82:A:MET:HE1	2	0.16	0.04	0.16
(1,2040)	1:78:A:LEU:HD12	1:82:A:MET:HE2	2	0.16	0.04	0.16
(1,2040)	1:78:A:LEU:HD12	1:82:A:MET:HE3	2	0.16	0.04	0.16
(1,2040)	1:78:A:LEU:HD13	1:82:A:MET:HE1	2	0.16	0.04	0.16
(1,2040)	1:78:A:LEU:HD13	1:82:A:MET:HE2	2	0.16	0.04	0.16
(1,2040)	1:78:A:LEU:HD13	1:82:A:MET:HE3	2	0.16	0.04	0.16
(1,841)	1:98:A:ALA:HA	1:100:A:ASP:H	2	0.16	0.04	0.16
(1,232)	1:4:A:ILE:HG12	1:3:A:ASP:HA	2	0.15	0.02	0.15
(1,560)	1:65:A:LYS:H	1:62:A:SER:HB2	2	0.15	0.02	0.15
(4,67)	1:63:A:LEU:O	1:67:A:GLU:H	2	0.15	0.0	0.15
(1,1007)	1:20:A:LEU:HD11	1:24:A:ARG:H	2	0.14	0.01	0.14
(1,1007)	1:20:A:LEU:HD12	1:24:A:ARG:H	2	0.14	0.01	0.14
(1,1007)	1:20:A:LEU:HD13	1:24:A:ARG:H	2	0.14	0.01	0.14
(1,1055)	1:20:A:LEU:HD11	1:24:A:ARG:H	2	0.14	0.01	0.14
(1,1055)	1:20:A:LEU:HD12	1:24:A:ARG:H	2	0.14	0.01	0.14
(1,1055)	1:20:A:LEU:HD13	1:24:A:ARG:H	2	0.14	0.01	0.14
(1,1103)	1:20:A:LEU:HD11	1:24:A:ARG:H	2	0.14	0.01	0.14
(1,1103)	1:20:A:LEU:HD12	1:24:A:ARG:H	2	0.14	0.01	0.14
(1,1103)	1:20:A:LEU:HD13	1:24:A:ARG:H	2	0.14	0.01	0.14
(1,1151)	1:20:A:LEU:HD11	1:24:A:ARG:H	2	0.14	0.01	0.14
(1,1151)	1:20:A:LEU:HD12	1:24:A:ARG:H	2	0.14	0.01	0.14
(1,1151)	1:20:A:LEU:HD13	1:24:A:ARG:H	2	0.14	0.01	0.14
(1,1199)	1:20:A:LEU:HD11	1:24:A:ARG:H	2	0.14	0.01	0.14
(1,1199)	1:20:A:LEU:HD12	1:24:A:ARG:H	2	0.14	0.01	0.14
(1,1199)	1:20:A:LEU:HD13	1:24:A:ARG:H	2	0.14	0.01	0.14
(1,2367)	1:78:A:LEU:HB2	1:75:A:THR:HG21	2	0.14	0.0	0.14
(1,2367)	1:78:A:LEU:HB2	1:75:A:THR:HG22	2	0.14	0.0	0.14
(1,2367)	1:78:A:LEU:HB2	1:75:A:THR:HG23	2	0.14	0.0	0.14
(1,2367)	1:78:A:LEU:HB3	1:75:A:THR:HG21	2	0.14	0.0	0.14
(1,2367)	1:78:A:LEU:HB3	1:75:A:THR:HG22	2	0.14	0.0	0.14
(1,2367)	1:78:A:LEU:HB3	1:75:A:THR:HG23	2	0.14	0.0	0.14
(1,2491)	1:78:A:LEU:HB2	1:75:A:THR:HG21	2	0.14	0.0	0.14
(1,2491)	1:78:A:LEU:HB2	1:75:A:THR:HG22	2	0.14	0.0	0.14
(1,2491)	1:78:A:LEU:HB2	1:75:A:THR:HG23	2	0.14	0.0	0.14
(1,2491)	1:78:A:LEU:HB3	1:75:A:THR:HG21	2	0.14	0.0	0.14
(1,2491)	1:78:A:LEU:HB3	1:75:A:THR:HG22	2	0.14	0.0	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2491)	1:78:A:LEU:HB3	1:75:A:THR:HG23	2	0.14	0.0	0.14
(1,2615)	1:78:A:LEU:HB2	1:75:A:THR:HG21	2	0.14	0.0	0.14
(1,2615)	1:78:A:LEU:HB2	1:75:A:THR:HG22	2	0.14	0.0	0.14
(1,2615)	1:78:A:LEU:HB2	1:75:A:THR:HG23	2	0.14	0.0	0.14
(1,2615)	1:78:A:LEU:HB3	1:75:A:THR:HG21	2	0.14	0.0	0.14
(1,2615)	1:78:A:LEU:HB3	1:75:A:THR:HG22	2	0.14	0.0	0.14
(1,2615)	1:78:A:LEU:HB3	1:75:A:THR:HG23	2	0.14	0.0	0.14
(1,2739)	1:78:A:LEU:HB2	1:75:A:THR:HG21	2	0.14	0.0	0.14
(1,2739)	1:78:A:LEU:HB2	1:75:A:THR:HG22	2	0.14	0.0	0.14
(1,2739)	1:78:A:LEU:HB2	1:75:A:THR:HG23	2	0.14	0.0	0.14
(1,2739)	1:78:A:LEU:HB3	1:75:A:THR:HG21	2	0.14	0.0	0.14
(1,2739)	1:78:A:LEU:HB3	1:75:A:THR:HG22	2	0.14	0.0	0.14
(1,2739)	1:78:A:LEU:HB3	1:75:A:THR:HG23	2	0.14	0.0	0.14
(1,2863)	1:78:A:LEU:HB2	1:75:A:THR:HG21	2	0.14	0.0	0.14
(1,2863)	1:78:A:LEU:HB2	1:75:A:THR:HG22	2	0.14	0.0	0.14
(1,2863)	1:78:A:LEU:HB2	1:75:A:THR:HG23	2	0.14	0.0	0.14
(1,2863)	1:78:A:LEU:HB3	1:75:A:THR:HG21	2	0.14	0.0	0.14
(1,2863)	1:78:A:LEU:HB3	1:75:A:THR:HG22	2	0.14	0.0	0.14
(1,2863)	1:78:A:LEU:HB3	1:75:A:THR:HG23	2	0.14	0.0	0.14
(2,222)	1:96:A:TYR:H	1:100:A:ASP:H	2	0.14	0.01	0.14
(2,275)	1:21:A:GLY:H	1:24:A:ARG:H	2	0.14	0.0	0.14
(2,350)	1:21:A:GLY:H	1:24:A:ARG:H	2	0.14	0.0	0.14
(2,425)	1:21:A:GLY:H	1:24:A:ARG:H	2	0.14	0.0	0.14
(2,500)	1:21:A:GLY:H	1:24:A:ARG:H	2	0.14	0.0	0.14
(2,575)	1:21:A:GLY:H	1:24:A:ARG:H	2	0.14	0.0	0.14
(1,997)	1:65:A:LYS:HA	1:68:A:LYS:HB2	2	0.14	0.02	0.14
(1,997)	1:65:A:LYS:HA	1:68:A:LYS:HB3	2	0.14	0.02	0.14
(1,1652)	1:14:A:ILE:H	1:11:A:LEU:HA	2	0.14	0.02	0.14
(1,273)	1:8:A:GLU:H	1:10:A:LEU:H	2	0.13	0.01	0.13
(2,9)	1:11:A:LEU:HB2	1:15:A:ILE:HG21	2	0.13	0.0	0.13
(2,9)	1:11:A:LEU:HB2	1:15:A:ILE:HG22	2	0.13	0.0	0.13
(2,9)	1:11:A:LEU:HB2	1:15:A:ILE:HG23	2	0.13	0.0	0.13
(2,9)	1:11:A:LEU:HB3	1:15:A:ILE:HG21	2	0.13	0.0	0.13
(2,9)	1:11:A:LEU:HB3	1:15:A:ILE:HG22	2	0.13	0.0	0.13
(2,9)	1:11:A:LEU:HB3	1:15:A:ILE:HG23	2	0.13	0.0	0.13
(4,139)	1:57:A:GLN:O	1:61:A:ASP:N	2	0.13	0.01	0.13
(1,1024)	1:48:A:ASN:HD22	1:44:A:THR:HG21	2	0.12	0.02	0.12
(1,1024)	1:48:A:ASN:HD22	1:44:A:THR:HG22	2	0.12	0.02	0.12
(1,1024)	1:48:A:ASN:HD22	1:44:A:THR:HG23	2	0.12	0.02	0.12
(1,1072)	1:48:A:ASN:HD22	1:44:A:THR:HG21	2	0.12	0.02	0.12
(1,1072)	1:48:A:ASN:HD22	1:44:A:THR:HG22	2	0.12	0.02	0.12
(1,1072)	1:48:A:ASN:HD22	1:44:A:THR:HG23	2	0.12	0.02	0.12

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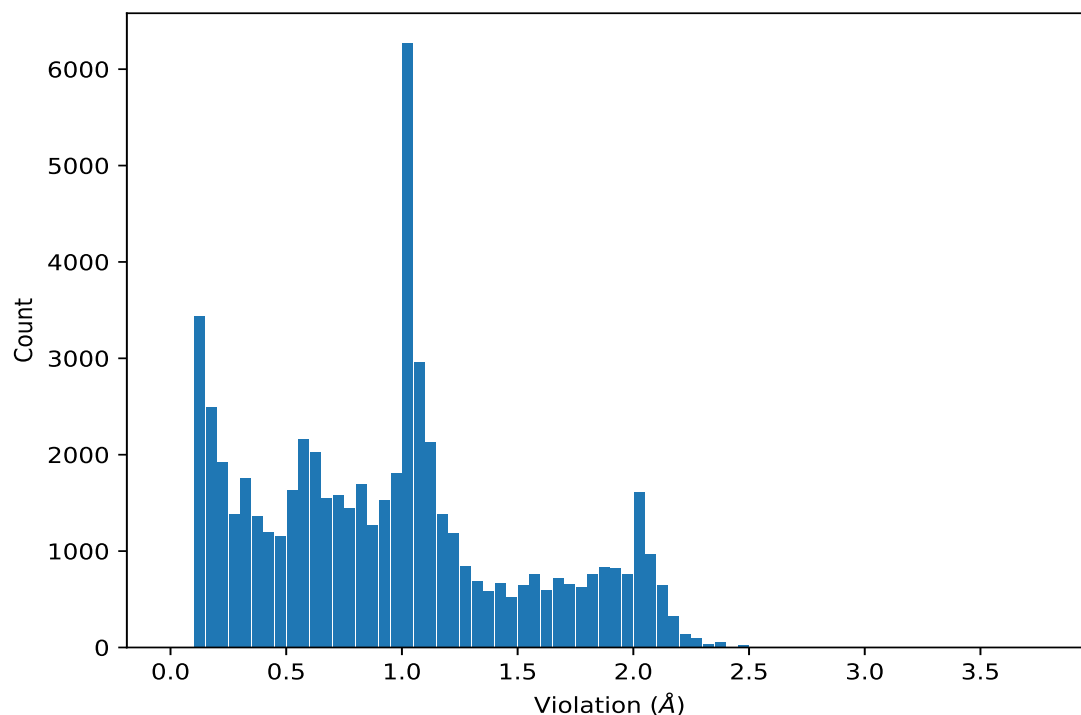
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1120)	1:48:A:ASN:HD22	1:44:A:THR:HG21	2	0.12	0.02	0.12
(1,1120)	1:48:A:ASN:HD22	1:44:A:THR:HG22	2	0.12	0.02	0.12
(1,1120)	1:48:A:ASN:HD22	1:44:A:THR:HG23	2	0.12	0.02	0.12
(1,1168)	1:48:A:ASN:HD22	1:44:A:THR:HG21	2	0.12	0.02	0.12
(1,1168)	1:48:A:ASN:HD22	1:44:A:THR:HG22	2	0.12	0.02	0.12
(1,1168)	1:48:A:ASN:HD22	1:44:A:THR:HG23	2	0.12	0.02	0.12
(1,1216)	1:48:A:ASN:HD22	1:44:A:THR:HG21	2	0.12	0.02	0.12
(1,1216)	1:48:A:ASN:HD22	1:44:A:THR:HG22	2	0.12	0.02	0.12
(1,1216)	1:48:A:ASN:HD22	1:44:A:THR:HG23	2	0.12	0.02	0.12
(1,1018)	1:47:A:GLN:HA	1:50:A:LEU:HD21	2	0.12	0.0	0.12
(1,1018)	1:47:A:GLN:HA	1:50:A:LEU:HD22	2	0.12	0.0	0.12
(1,1018)	1:47:A:GLN:HA	1:50:A:LEU:HD23	2	0.12	0.0	0.12
(1,1066)	1:47:A:GLN:HA	1:50:A:LEU:HD21	2	0.12	0.0	0.12
(1,1066)	1:47:A:GLN:HA	1:50:A:LEU:HD22	2	0.12	0.0	0.12
(1,1066)	1:47:A:GLN:HA	1:50:A:LEU:HD23	2	0.12	0.0	0.12
(1,1114)	1:47:A:GLN:HA	1:50:A:LEU:HD21	2	0.12	0.0	0.12
(1,1114)	1:47:A:GLN:HA	1:50:A:LEU:HD22	2	0.12	0.0	0.12
(1,1114)	1:47:A:GLN:HA	1:50:A:LEU:HD23	2	0.12	0.0	0.12
(1,1162)	1:47:A:GLN:HA	1:50:A:LEU:HD21	2	0.12	0.0	0.12
(1,1162)	1:47:A:GLN:HA	1:50:A:LEU:HD22	2	0.12	0.0	0.12
(1,1162)	1:47:A:GLN:HA	1:50:A:LEU:HD23	2	0.12	0.0	0.12
(1,1210)	1:47:A:GLN:HA	1:50:A:LEU:HD21	2	0.12	0.0	0.12
(1,1210)	1:47:A:GLN:HA	1:50:A:LEU:HD22	2	0.12	0.0	0.12
(1,1210)	1:47:A:GLN:HA	1:50:A:LEU:HD23	2	0.12	0.0	0.12
(2,8)	1:11:A:LEU:H	1:14:A:ILE:HD11	2	0.12	0.0	0.12
(2,8)	1:11:A:LEU:H	1:14:A:ILE:HD12	2	0.12	0.0	0.12
(2,8)	1:11:A:LEU:H	1:14:A:ILE:HD13	2	0.12	0.0	0.12
(4,164)	1:90:A:GLU:O	1:94:A:ARG:N	2	0.12	0.0	0.12
(4,105)	1:90:A:GLU:O	1:94:A:ARG:H	2	0.12	0.02	0.12
(1,311)	1:14:A:ILE:HA	1:17:A:LEU:HG	2	0.11	0.01	0.11
(1,1038)	1:57:A:GLN:H	1:54:A:LEU:HA	2	0.11	0.0	0.11
(1,1086)	1:57:A:GLN:H	1:54:A:LEU:HA	2	0.11	0.0	0.11
(1,1134)	1:57:A:GLN:H	1:54:A:LEU:HA	2	0.11	0.0	0.11
(1,1182)	1:57:A:GLN:H	1:54:A:LEU:HA	2	0.11	0.0	0.11
(1,1230)	1:57:A:GLN:H	1:54:A:LEU:HA	2	0.11	0.0	0.11
(1,621)	1:72:A:THR:H	1:74:A:LEU:HD21	2	0.1	0.0	0.1
(1,621)	1:72:A:THR:H	1:74:A:LEU:HD22	2	0.1	0.0	0.1
(1,621)	1:72:A:THR:H	1:74:A:LEU:HD23	2	0.1	0.0	0.1
(1,637)	1:74:A:LEU:H	1:72:A:THR:HG21	2	0.1	0.0	0.1
(1,637)	1:74:A:LEU:H	1:72:A:THR:HG22	2	0.1	0.0	0.1
(1,637)	1:74:A:LEU:H	1:72:A:THR:HG23	2	0.1	0.0	0.1

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

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

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



9.5.2 Table : All distance violations [i](#)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG21	14	3.79
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG22	14	3.79
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG23	14	3.79
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG21	1	3.76
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG22	1	3.76
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG23	1	3.76
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG21	13	3.74
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG22	13	3.74
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG23	13	3.74
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG21	4	3.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG22	4	3.7
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG23	4	3.7
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG21	3	3.67
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG22	3	3.67
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG23	3	3.67
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG21	6	3.67
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG22	6	3.67
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG23	6	3.67
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG21	7	3.67
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG22	7	3.67
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG23	7	3.67
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG21	15	2.98
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG22	15	2.98
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG23	15	2.98
(1,2241)	1:103:A:GLU:HB2	1:102:A:LEU:HG	9	2.9
(1,2241)	1:103:A:GLU:HB3	1:102:A:LEU:HG	9	2.9
(1,1673)	1:16:A:GLY:H	1:17:A:LEU:HG	13	2.72
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG21	10	2.72
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG22	10	2.72
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG23	10	2.72
(1,2241)	1:103:A:GLU:HB2	1:102:A:LEU:HG	7	2.7
(1,2241)	1:103:A:GLU:HB3	1:102:A:LEU:HG	7	2.7
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG21	11	2.7
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG22	11	2.7
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG23	11	2.7
(1,1673)	1:16:A:GLY:H	1:17:A:LEU:HG	12	2.69
(1,1422)	1:48:A:ASN:H	1:44:A:THR:HB	8	2.69
(1,1422)	1:48:A:ASN:H	1:44:A:THR:HB	9	2.69
(1,1422)	1:48:A:ASN:H	1:44:A:THR:HB	2	2.68
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD1	10	2.63
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD2	10	2.63
(1,1422)	1:48:A:ASN:H	1:44:A:THR:HB	5	2.63
(1,1540)	1:103:A:GLU:H	1:101:A:PRO:HA	9	2.59
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG21	12	2.57
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG22	12	2.57
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG23	12	2.57
(1,2239)	1:103:A:GLU:H	1:100:A:ASP:H	8	2.56
(1,2239)	1:103:A:GLU:H	1:100:A:ASP:H	10	2.53
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG21	2	2.51
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG22	2	2.51
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG23	2	2.51
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD21	13	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD22	13	2.49
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD23	13	2.49
(1,1582)	1:4:A:ILE:HD11	1:6:A:PHE:H	13	2.47
(1,1582)	1:4:A:ILE:HD12	1:6:A:PHE:H	13	2.47
(1,1582)	1:4:A:ILE:HD13	1:6:A:PHE:H	13	2.47
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE1	11	2.47
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE2	11	2.47
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE1	14	2.47
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE2	14	2.47
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD1	15	2.47
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD2	15	2.47
(1,2197)	1:96:A:TYR:HA	1:100:A:ASP:H	14	2.46
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD1	7	2.46
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD2	7	2.46
(1,2232)	1:101:A:PRO:HA	1:102:A:LEU:HG	14	2.45
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG21	10	2.45
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG22	10	2.45
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG23	10	2.45
(1,1582)	1:4:A:ILE:HD11	1:6:A:PHE:H	15	2.45
(1,1582)	1:4:A:ILE:HD12	1:6:A:PHE:H	15	2.45
(1,1582)	1:4:A:ILE:HD13	1:6:A:PHE:H	15	2.45
(1,1799)	1:43:A:ALA:HA	1:46:A:VAL:HB	11	2.42
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD21	12	2.42
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD22	12	2.42
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD23	12	2.42
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG11	9	2.4
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG12	9	2.4
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG13	9	2.4
(1,1567)	1:3:A:ASP:HB2	1:4:A:ILE:HB	11	2.4
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD11	12	2.39
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD12	12	2.39
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD13	12	2.39
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD11	12	2.39
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD12	12	2.39
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD13	12	2.39
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD11	13	2.39
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD12	13	2.39
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD13	13	2.39
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD11	15	2.39
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD12	15	2.39
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD13	15	2.39
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD11	1	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD12	1	2.38
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD13	1	2.38
(1,2232)	1:101:A:PRO:HA	1:102:A:LEU:HG	11	2.37
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD11	13	2.37
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD12	13	2.37
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD13	13	2.37
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD11	13	2.37
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD12	13	2.37
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD13	13	2.37
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD11	15	2.37
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD12	15	2.37
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD13	15	2.37
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD11	15	2.37
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD12	15	2.37
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD13	15	2.37
(1,2196)	1:96:A:TYR:HA	1:99:A:ASN:HB2	4	2.37
(1,2196)	1:96:A:TYR:HA	1:99:A:ASN:HB3	4	2.37
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG21	4	2.37
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG22	4	2.37
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG23	4	2.37
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE1	9	2.37
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE2	9	2.37
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD11	1	2.36
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD12	1	2.36
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD13	1	2.36
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD11	1	2.36
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD12	1	2.36
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD13	1	2.36
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD11	12	2.36
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD12	12	2.36
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD13	12	2.36
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD11	14	2.35
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD12	14	2.35
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD13	14	2.35
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG21	14	2.35
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG22	14	2.35
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG23	14	2.35
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE1	12	2.35
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE2	12	2.35
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB1	3	2.34
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB2	3	2.34
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB3	3	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB1	3	2.34
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB2	3	2.34
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB3	3	2.34
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG21	6	2.34
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG22	6	2.34
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG23	6	2.34
(1,1799)	1:43:A:ALA:HA	1:46:A:VAL:HB	8	2.34
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE1	13	2.34
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE2	13	2.34
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE1	15	2.34
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE2	15	2.34
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD2	2	2.34
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD3	2	2.34
(1,1799)	1:43:A:ALA:HA	1:46:A:VAL:HB	9	2.33
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG21	14	2.33
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG22	14	2.33
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG23	14	2.33
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE1	1	2.33
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE2	1	2.33
(1,1952)	1:68:A:LYS:H	1:66:A:VAL:HA	9	2.32
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG21	7	2.32
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG22	7	2.32
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG23	7	2.32
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG21	13	2.32
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG22	13	2.32
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG23	13	2.32
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG11	8	2.31
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG12	8	2.31
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG13	8	2.31
(1,1799)	1:43:A:ALA:HA	1:46:A:VAL:HB	5	2.31
(1,2231)	1:101:A:PRO:HG2	1:102:A:LEU:HG	8	2.3
(1,2231)	1:101:A:PRO:HG2	1:102:A:LEU:HG	10	2.3
(1,2239)	1:103:A:GLU:H	1:100:A:ASP:H	3	2.29
(1,2196)	1:96:A:TYR:HA	1:99:A:ASN:HB2	3	2.29
(1,2196)	1:96:A:TYR:HA	1:99:A:ASN:HB3	3	2.29
(1,1952)	1:68:A:LYS:H	1:66:A:VAL:HA	3	2.29
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG21	3	2.29
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG22	3	2.29
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG23	3	2.29
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD1	11	2.29
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD2	11	2.29
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD21	15	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD22	15	2.28
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD23	15	2.28
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD21	15	2.28
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD22	15	2.28
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD23	15	2.28
(1,2239)	1:103:A:GLU:H	1:100:A:ASP:H	7	2.27
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB1	5	2.27
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB2	5	2.27
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB3	5	2.27
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB1	5	2.27
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB2	5	2.27
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB3	5	2.27
(1,1952)	1:68:A:LYS:H	1:66:A:VAL:HA	13	2.27
(1,1952)	1:68:A:LYS:H	1:66:A:VAL:HA	15	2.27
(1,1589)	1:6:A:PHE:HE1	1:4:A:ILE:HA	7	2.27
(1,1589)	1:6:A:PHE:HE2	1:4:A:ILE:HA	7	2.27
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD11	8	2.27
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD12	8	2.27
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD13	8	2.27
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD21	8	2.27
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD22	8	2.27
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD23	8	2.27
(1,1455)	1:69:A:ALA:H	1:66:A:VAL:HB	3	2.27
(1,1455)	1:69:A:ALA:H	1:66:A:VAL:HB	13	2.27
(1,1455)	1:69:A:ALA:H	1:66:A:VAL:HB	14	2.27
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB1	10	2.27
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB2	10	2.27
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB3	10	2.27
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB1	10	2.27
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB2	10	2.27
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB3	10	2.27
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB1	10	2.27
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB2	10	2.27
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB3	10	2.27
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG11	9	2.26
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG12	9	2.26
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG13	9	2.26
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG11	9	2.26
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG12	9	2.26
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG13	9	2.26
(1,1569)	1:3:A:ASP:H	1:5:A:GLY:H	11	2.26
(1,1469)	1:73:A:ASN:H	1:70:A:SER:H	4	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD11	6	2.26
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD12	6	2.26
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD13	6	2.26
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD21	6	2.26
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD22	6	2.26
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD23	6	2.26
(1,1455)	1:69:A:ALA:H	1:66:A:VAL:HB	4	2.26
(1,1455)	1:69:A:ALA:H	1:66:A:VAL:HB	9	2.26
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB1	2	2.26
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB2	2	2.26
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB3	2	2.26
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB1	2	2.26
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB2	2	2.26
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB3	2	2.26
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB1	2	2.26
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB2	2	2.26
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB3	2	2.26
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB1	7	2.26
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB2	7	2.26
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB3	7	2.26
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB1	7	2.26
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB2	7	2.26
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB3	7	2.26
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB1	7	2.26
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB2	7	2.26
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB3	7	2.26
(1,1249)	1:8:A:GLU:HB2	1:5:A:GLY:H	12	2.26
(1,2225)	1:101:A:PRO:HD2	1:98:A:ALA:H	5	2.25
(1,2225)	1:101:A:PRO:HD3	1:98:A:ALA:H	5	2.25
(1,1952)	1:68:A:LYS:H	1:66:A:VAL:HA	14	2.25
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG21	15	2.25
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG22	15	2.25
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG23	15	2.25
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG21	5	2.25
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG22	5	2.25
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG23	5	2.25
(1,1469)	1:73:A:ASN:H	1:70:A:SER:H	14	2.25
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB2	9	2.25
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	9	2.25
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB2	9	2.25
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	9	2.25
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB2	9	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	9	2.25
(1,2232)	1:101:A:PRO:HA	1:102:A:LEU:HG	7	2.24
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG11	3	2.24
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG12	3	2.24
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG13	3	2.24
(1,1952)	1:68:A:LYS:H	1:66:A:VAL:HA	4	2.24
(1,1728)	1:29:A:VAL:H	1:25:A:LEU:HA	1	2.24
(1,1554)	1:2:A:PHE:HB2	1:4:A:ILE:HA	11	2.24
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD11	5	2.24
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD12	5	2.24
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD13	5	2.24
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD21	5	2.24
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD22	5	2.24
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD23	5	2.24
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD11	7	2.24
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD12	7	2.24
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD13	7	2.24
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD21	7	2.24
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD22	7	2.24
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD23	7	2.24
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD11	15	2.24
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD12	15	2.24
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD13	15	2.24
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD21	15	2.24
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD22	15	2.24
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD23	15	2.24
(1,1455)	1:69:A:ALA:H	1:66:A:VAL:HB	10	2.24
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD1	12	2.24
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD2	12	2.24
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB1	4	2.24
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB2	4	2.24
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB3	4	2.24
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB1	4	2.24
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB2	4	2.24
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB3	4	2.24
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB1	4	2.24
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB2	4	2.24
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB3	4	2.24
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG21	13	2.24
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG22	13	2.24
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG23	13	2.24
(1,1256)	1:10:A:LEU:HA	1:12:A:VAL:H	13	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD21	7	2.23
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD22	7	2.23
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD23	7	2.23
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG11	5	2.23
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG12	5	2.23
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG13	5	2.23
(1,1543)	1:1:A:MET:HE1	1:3:A:ASP:H	13	2.23
(1,1543)	1:1:A:MET:HE2	1:3:A:ASP:H	13	2.23
(1,1543)	1:1:A:MET:HE3	1:3:A:ASP:H	13	2.23
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB1	6	2.23
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB2	6	2.23
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB3	6	2.23
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB1	6	2.23
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB2	6	2.23
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB3	6	2.23
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB1	6	2.23
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB2	6	2.23
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB3	6	2.23
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG11	4	2.23
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG12	4	2.23
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG13	4	2.23
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG11	5	2.23
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG12	5	2.23
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG13	5	2.23
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG11	8	2.23
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG12	8	2.23
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG13	8	2.23
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG11	13	2.23
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG12	13	2.23
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG13	13	2.23
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG11	15	2.23
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG12	15	2.23
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG13	15	2.23
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD11	13	2.23
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD12	13	2.23
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD13	13	2.23
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD11	9	2.22
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD12	9	2.22
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD13	9	2.22
(1,2196)	1:96:A:TYR:HA	1:99:A:ASN:HB2	2	2.22
(1,2196)	1:96:A:TYR:HA	1:99:A:ASN:HB3	2	2.22
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD21	15	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD22	15	2.22
(1,1432)	1:56:A:LEU:HB2	1:60:A:GLN:HB2	2	2.22
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG11	12	2.22
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG12	12	2.22
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG13	12	2.22
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG11	14	2.22
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG12	14	2.22
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG13	14	2.22
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG21	11	2.22
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG22	11	2.22
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG23	11	2.22
(1,2241)	1:103:A:GLU:HB2	1:102:A:LEU:HG	14	2.21
(1,2241)	1:103:A:GLU:HB3	1:102:A:LEU:HG	14	2.21
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG11	4	2.21
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG12	4	2.21
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG13	4	2.21
(1,2177)	1:94:A:ARG:HA	1:97:A:VAL:HB	10	2.21
(1,1955)	1:68:A:LYS:HG2	1:69:A:ALA:H	13	2.21
(1,1754)	1:35:A:TRP:H	1:32:A:VAL:HB	8	2.21
(1,1754)	1:35:A:TRP:H	1:32:A:VAL:HB	12	2.21
(1,1754)	1:35:A:TRP:H	1:32:A:VAL:HB	15	2.21
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG21	4	2.21
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG22	4	2.21
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG23	4	2.21
(1,1971)	1:71:A:LEU:H	1:67:A:GLU:HB2	9	2.2
(1,1914)	1:64:A:LYS:HA	1:66:A:VAL:H	9	2.2
(1,1914)	1:64:A:LYS:HA	1:66:A:VAL:H	13	2.2
(1,1914)	1:64:A:LYS:HA	1:66:A:VAL:H	14	2.2
(1,1799)	1:43:A:ALA:HA	1:46:A:VAL:HB	3	2.2
(1,1754)	1:35:A:TRP:H	1:32:A:VAL:HB	1	2.2
(1,1754)	1:35:A:TRP:H	1:32:A:VAL:HB	4	2.2
(1,1754)	1:35:A:TRP:H	1:32:A:VAL:HB	5	2.2
(1,1754)	1:35:A:TRP:H	1:32:A:VAL:HB	13	2.2
(1,1754)	1:35:A:TRP:H	1:32:A:VAL:HB	14	2.2
(1,1705)	1:22:A:PRO:HD3	1:24:A:ARG:H	12	2.2
(1,1544)	1:1:A:MET:HA	1:3:A:ASP:H	11	2.2
(1,1455)	1:69:A:ALA:H	1:66:A:VAL:HB	1	2.2
(1,1455)	1:69:A:ALA:H	1:66:A:VAL:HB	2	2.2
(1,1455)	1:69:A:ALA:H	1:66:A:VAL:HB	12	2.2
(1,1438)	1:58:A:GLU:H	1:62:A:SER:H	14	2.2
(1,1432)	1:56:A:LEU:HB2	1:60:A:GLN:HB2	12	2.2
(1,1422)	1:48:A:ASN:H	1:44:A:THR:HB	11	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB1	13	2.2
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB2	13	2.2
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB3	13	2.2
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB1	13	2.2
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB2	13	2.2
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB3	13	2.2
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB1	13	2.2
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB2	13	2.2
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB3	13	2.2
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG21	12	2.2
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG22	12	2.2
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG23	12	2.2
(1,2242)	1:103:A:GLU:HG3	1:102:A:LEU:HA	9	2.19
(1,2239)	1:103:A:GLU:H	1:100:A:ASP:H	9	2.19
(1,2216)	1:98:A:ALA:HA	1:100:A:ASP:H	6	2.19
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG11	2	2.19
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG12	2	2.19
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG13	2	2.19
(1,2126)	1:86:A:ARG:HG3	1:90:A:GLU:H	7	2.19
(1,1914)	1:64:A:LYS:HA	1:66:A:VAL:H	3	2.19
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB2	7	2.19
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB3	7	2.19
(1,1754)	1:35:A:TRP:H	1:32:A:VAL:HB	3	2.19
(1,1754)	1:35:A:TRP:H	1:32:A:VAL:HB	6	2.19
(1,1754)	1:35:A:TRP:H	1:32:A:VAL:HB	9	2.19
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD11	7	2.19
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD12	7	2.19
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD13	7	2.19
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD21	7	2.19
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD22	7	2.19
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD23	7	2.19
(1,1601)	1:6:A:PHE:HA	1:9:A:LEU:HG	7	2.19
(1,1570)	1:3:A:ASP:HA	1:5:A:GLY:H	11	2.19
(1,1559)	1:2:A:PHE:HD1	1:4:A:ILE:HB	11	2.19
(1,1559)	1:2:A:PHE:HD2	1:4:A:ILE:HB	11	2.19
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD2	12	2.19
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD3	12	2.19
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG11	5	2.19
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG12	5	2.19
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG13	5	2.19
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB1	14	2.19
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB2	14	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB3	14	2.19
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB1	14	2.19
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB2	14	2.19
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB3	14	2.19
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB1	14	2.19
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB2	14	2.19
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB3	14	2.19
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG21	5	2.19
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG22	5	2.19
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG23	5	2.19
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG21	8	2.19
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG22	8	2.19
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG23	8	2.19
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG21	12	2.19
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG22	12	2.19
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG23	12	2.19
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG21	13	2.19
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG22	13	2.19
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG23	13	2.19
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG21	14	2.19
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG22	14	2.19
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG23	14	2.19
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG21	15	2.19
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG22	15	2.19
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG23	15	2.19
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD11	3	2.18
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD12	3	2.18
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD13	3	2.18
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD11	11	2.18
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD12	11	2.18
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD13	11	2.18
(1,2126)	1:86:A:ARG:HG3	1:90:A:GLU:H	14	2.18
(1,1914)	1:64:A:LYS:HA	1:66:A:VAL:H	4	2.18
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD1	15	2.18
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD2	15	2.18
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB2	3	2.18
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB3	3	2.18
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB2	6	2.18
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB3	6	2.18
(1,1754)	1:35:A:TRP:H	1:32:A:VAL:HB	2	2.18
(1,1754)	1:35:A:TRP:H	1:32:A:VAL:HB	7	2.18
(1,1754)	1:35:A:TRP:H	1:32:A:VAL:HB	10	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1754)	1:35:A:TRP:H	1:32:A:VAL:HB	11	2.18
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG11	2	2.18
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG12	2	2.18
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG13	2	2.18
(1,1582)	1:4:A:ILE:HD11	1:6:A:PHE:H	12	2.18
(1,1582)	1:4:A:ILE:HD12	1:6:A:PHE:H	12	2.18
(1,1582)	1:4:A:ILE:HD13	1:6:A:PHE:H	12	2.18
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG21	4	2.18
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG22	4	2.18
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG23	4	2.18
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG11	8	2.18
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG12	8	2.18
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG13	8	2.18
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG11	9	2.18
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG12	9	2.18
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG13	9	2.18
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG2	11	2.18
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG3	11	2.18
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG2	11	2.18
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG3	11	2.18
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG2	11	2.18
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG3	11	2.18
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG11	2	2.18
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG12	2	2.18
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG13	2	2.18
(1,1308)	1:20:A:LEU:HD11	1:17:A:LEU:HA	12	2.18
(1,1308)	1:20:A:LEU:HD12	1:17:A:LEU:HA	12	2.18
(1,1308)	1:20:A:LEU:HD13	1:17:A:LEU:HA	12	2.18
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG21	13	2.18
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG22	13	2.18
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG23	13	2.18
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG21	13	2.18
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG22	13	2.18
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG23	13	2.18
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD11	5	2.17
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD12	5	2.17
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD13	5	2.17
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG11	6	2.17
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG12	6	2.17
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG13	6	2.17
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG11	7	2.17
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG12	7	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG13	7	2.17
(1,2126)	1:86:A:ARG:HG3	1:90:A:GLU:H	8	2.17
(1,2126)	1:86:A:ARG:HG3	1:90:A:GLU:H	11	2.17
(1,2126)	1:86:A:ARG:HG3	1:90:A:GLU:H	12	2.17
(1,2126)	1:86:A:ARG:HG3	1:90:A:GLU:H	13	2.17
(1,1971)	1:71:A:LEU:H	1:67:A:GLU:HB2	3	2.17
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB2	4	2.17
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB3	4	2.17
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB2	5	2.17
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB3	5	2.17
(1,1705)	1:22:A:PRO:HD3	1:24:A:ARG:H	2	2.17
(1,1559)	1:2:A:PHE:HD1	1:4:A:ILE:HB	7	2.17
(1,1559)	1:2:A:PHE:HD2	1:4:A:ILE:HB	7	2.17
(1,1521)	1:93:A:LYS:H	1:90:A:GLU:H	12	2.17
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD11	11	2.17
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD12	11	2.17
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD13	11	2.17
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD21	11	2.17
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD22	11	2.17
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD23	11	2.17
(1,1455)	1:69:A:ALA:H	1:66:A:VAL:HB	7	2.17
(1,1455)	1:69:A:ALA:H	1:66:A:VAL:HB	11	2.17
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG11	3	2.17
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG12	3	2.17
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG13	3	2.17
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG21	3	2.17
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG22	3	2.17
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG23	3	2.17
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG21	6	2.17
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG22	6	2.17
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG23	6	2.17
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG21	1	2.17
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG22	1	2.17
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG23	1	2.17
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG21	9	2.17
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG22	9	2.17
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG23	9	2.17
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD1	13	2.17
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD2	13	2.17
(1,2241)	1:103:A:GLU:HB2	1:102:A:LEU:HG	3	2.16
(1,2241)	1:103:A:GLU:HB3	1:102:A:LEU:HG	3	2.16
(1,2210)	1:97:A:VAL:HA	1:100:A:ASP:H	9	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2153)	1:91:A:SER:HA	1:93:A:LYS:H	11	2.16
(1,2126)	1:86:A:ARG:HG3	1:90:A:GLU:H	2	2.16
(1,2126)	1:86:A:ARG:HG3	1:90:A:GLU:H	4	2.16
(1,2126)	1:86:A:ARG:HG3	1:90:A:GLU:H	5	2.16
(1,2020)	1:76:A:PRO:HA	1:79:A:LYS:HB3	8	2.16
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD21	5	2.16
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD22	5	2.16
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD21	7	2.16
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD22	7	2.16
(1,1918)	1:65:A:LYS:H	1:62:A:SER:HB2	7	2.16
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG2	9	2.16
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG3	9	2.16
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB2	11	2.16
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB3	11	2.16
(1,1601)	1:6:A:PHE:HA	1:9:A:LEU:HG	3	2.16
(1,1601)	1:6:A:PHE:HA	1:9:A:LEU:HG	8	2.16
(1,1521)	1:93:A:LYS:H	1:90:A:GLU:H	13	2.16
(1,1521)	1:93:A:LYS:H	1:90:A:GLU:H	15	2.16
(1,1455)	1:69:A:ALA:H	1:66:A:VAL:HB	15	2.16
(1,1438)	1:58:A:GLU:H	1:62:A:SER:H	6	2.16
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG21	2	2.16
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG22	2	2.16
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG23	2	2.16
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG21	7	2.16
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG22	7	2.16
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG23	7	2.16
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG21	9	2.16
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG22	9	2.16
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG23	9	2.16
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG21	10	2.16
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG22	10	2.16
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG23	10	2.16
(1,2210)	1:97:A:VAL:HA	1:100:A:ASP:H	12	2.15
(1,2198)	1:96:A:TYR:H	1:100:A:ASP:H	8	2.15
(1,2153)	1:91:A:SER:HA	1:93:A:LYS:H	12	2.15
(1,2153)	1:91:A:SER:HA	1:93:A:LYS:H	13	2.15
(1,2153)	1:91:A:SER:HA	1:93:A:LYS:H	15	2.15
(1,2126)	1:86:A:ARG:HG3	1:90:A:GLU:H	1	2.15
(1,2126)	1:86:A:ARG:HG3	1:90:A:GLU:H	6	2.15
(1,2126)	1:86:A:ARG:HG3	1:90:A:GLU:H	9	2.15
(1,2126)	1:86:A:ARG:HG3	1:90:A:GLU:H	10	2.15
(1,2126)	1:86:A:ARG:HG3	1:90:A:GLU:H	15	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1955)	1:68:A:LYS:HG2	1:69:A:ALA:H	10	2.15
(1,1914)	1:64:A:LYS:HA	1:66:A:VAL:H	7	2.15
(1,1914)	1:64:A:LYS:HA	1:66:A:VAL:H	15	2.15
(1,1793)	1:43:A:ALA:H	1:41:A:SER:HA	5	2.15
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD11	11	2.15
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD12	11	2.15
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD13	11	2.15
(1,1749)	1:33:A:ALA:H	1:31:A:THR:H	11	2.15
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB2	9	2.15
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB3	9	2.15
(1,1618)	1:9:A:LEU:HA	1:12:A:VAL:HA	12	2.15
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD11	13	2.15
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD12	13	2.15
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD13	13	2.15
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD21	13	2.15
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD22	13	2.15
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD23	13	2.15
(1,1610)	1:8:A:GLU:HB3	1:7:A:SER:HB2	6	2.15
(1,1559)	1:2:A:PHE:HD1	1:4:A:ILE:HB	5	2.15
(1,1559)	1:2:A:PHE:HD2	1:4:A:ILE:HB	5	2.15
(1,1538)	1:101:A:PRO:HG3	1:102:A:LEU:H	11	2.15
(1,1521)	1:93:A:LYS:H	1:90:A:GLU:H	11	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD11	1	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD12	1	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD13	1	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD21	1	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD22	1	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD23	1	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD11	2	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD12	2	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD13	2	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD21	2	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD22	2	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD23	2	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD11	10	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD12	10	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD13	10	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD21	10	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD22	10	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD23	10	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD11	12	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD12	12	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD13	12	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD21	12	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD22	12	2.15
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD23	12	2.15
(1,1455)	1:69:A:ALA:H	1:66:A:VAL:HB	5	2.15
(1,1455)	1:69:A:ALA:H	1:66:A:VAL:HB	6	2.15
(1,1455)	1:69:A:ALA:H	1:66:A:VAL:HB	8	2.15
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG11	11	2.15
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG12	11	2.15
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG13	11	2.15
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG21	1	2.15
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG22	1	2.15
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG23	1	2.15
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG21	5	2.15
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG22	5	2.15
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG23	5	2.15
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG21	8	2.15
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG22	8	2.15
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG23	8	2.15
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG21	11	2.15
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG22	11	2.15
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG23	11	2.15
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG21	12	2.15
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG22	12	2.15
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG23	12	2.15
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG21	13	2.15
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG22	13	2.15
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG23	13	2.15
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG21	15	2.15
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG22	15	2.15
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG23	15	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG11	2	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG12	2	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG13	2	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG11	3	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG12	3	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG13	3	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG11	4	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG12	4	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG13	4	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG11	5	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG12	5	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG13	5	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG11	6	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG12	6	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG13	6	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG11	7	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG12	7	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG13	7	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG11	8	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG12	8	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG13	8	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG11	9	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG12	9	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG13	9	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG11	10	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG12	10	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG13	10	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG11	11	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG12	11	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG13	11	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG11	12	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG12	12	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG13	12	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG11	13	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG12	13	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG13	13	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG11	14	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG12	14	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG13	14	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG11	15	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG12	15	2.15
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG13	15	2.15
(1,1318)	1:25:A:LEU:HA	1:26:A:PRO:HG2	3	2.15
(1,1318)	1:25:A:LEU:HA	1:26:A:PRO:HG2	4	2.15
(1,1318)	1:25:A:LEU:HA	1:26:A:PRO:HG2	5	2.15
(1,1318)	1:25:A:LEU:HA	1:26:A:PRO:HG2	6	2.15
(1,1318)	1:25:A:LEU:HA	1:26:A:PRO:HG2	7	2.15
(1,1318)	1:25:A:LEU:HA	1:26:A:PRO:HG2	8	2.15
(1,1318)	1:25:A:LEU:HA	1:26:A:PRO:HG2	9	2.15
(1,1318)	1:25:A:LEU:HA	1:26:A:PRO:HG2	10	2.15
(1,1318)	1:25:A:LEU:HA	1:26:A:PRO:HG2	11	2.15
(1,1318)	1:25:A:LEU:HA	1:26:A:PRO:HG2	14	2.15
(1,1318)	1:25:A:LEU:HA	1:26:A:PRO:HG2	15	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD11	11	2.15
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD12	11	2.15
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD13	11	2.15
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD11	6	2.14
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD12	6	2.14
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD13	6	2.14
(1,2126)	1:86:A:ARG:HG3	1:90:A:GLU:H	3	2.14
(1,2020)	1:76:A:PRO:HA	1:79:A:LYS:HB3	6	2.14
(1,1914)	1:64:A:LYS:HA	1:66:A:VAL:H	5	2.14
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG2	8	2.14
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG3	8	2.14
(1,1799)	1:43:A:ALA:HA	1:46:A:VAL:HB	12	2.14
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD11	1	2.14
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD12	1	2.14
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD13	1	2.14
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD11	2	2.14
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD12	2	2.14
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD13	2	2.14
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD11	7	2.14
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD12	7	2.14
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD13	7	2.14
(1,1749)	1:33:A:ALA:H	1:31:A:THR:H	8	2.14
(1,1749)	1:33:A:ALA:H	1:31:A:THR:H	13	2.14
(1,1749)	1:33:A:ALA:H	1:31:A:THR:H	15	2.14
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG11	12	2.14
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG12	12	2.14
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG13	12	2.14
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB2	2	2.14
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB3	2	2.14
(1,1616)	1:8:A:GLU:H	1:10:A:LEU:H	15	2.14
(1,1610)	1:8:A:GLU:HB3	1:7:A:SER:HB2	5	2.14
(1,1589)	1:6:A:PHE:HE1	1:4:A:ILE:HA	15	2.14
(1,1589)	1:6:A:PHE:HE2	1:4:A:ILE:HA	15	2.14
(1,1559)	1:2:A:PHE:HD1	1:4:A:ILE:HB	8	2.14
(1,1559)	1:2:A:PHE:HD2	1:4:A:ILE:HB	8	2.14
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE1	5	2.14
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE2	5	2.14
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG11	10	2.14
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG12	10	2.14
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG13	10	2.14
(1,1511)	1:90:A:GLU:H	1:86:A:ARG:H	2	2.14
(1,1511)	1:90:A:GLU:H	1:86:A:ARG:H	4	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1511)	1:90:A:GLU:H	1:86:A:ARG:H	11	2.14
(1,1511)	1:90:A:GLU:H	1:86:A:ARG:H	13	2.14
(1,1499)	1:85:A:LEU:H	1:86:A:ARG:HA	1	2.14
(1,1499)	1:85:A:LEU:H	1:86:A:ARG:HA	2	2.14
(1,1499)	1:85:A:LEU:H	1:86:A:ARG:HA	4	2.14
(1,1499)	1:85:A:LEU:H	1:86:A:ARG:HA	6	2.14
(1,1499)	1:85:A:LEU:H	1:86:A:ARG:HA	9	2.14
(1,1499)	1:85:A:LEU:H	1:86:A:ARG:HA	13	2.14
(1,1499)	1:85:A:LEU:H	1:86:A:ARG:HA	15	2.14
(1,1469)	1:73:A:ASN:H	1:70:A:SER:H	3	2.14
(1,1469)	1:73:A:ASN:H	1:70:A:SER:H	9	2.14
(1,1469)	1:73:A:ASN:H	1:70:A:SER:H	13	2.14
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG2	10	2.14
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG3	10	2.14
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG2	10	2.14
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG3	10	2.14
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG2	10	2.14
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG3	10	2.14
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG2	15	2.14
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG3	15	2.14
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG21	4	2.14
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG22	4	2.14
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG23	4	2.14
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG21	14	2.14
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG22	14	2.14
(1,1360)	1:35:A:TRP:H	1:36:A:ILE:HG23	14	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG11	1	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG12	1	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG13	1	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG11	2	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG12	2	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG13	2	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG11	3	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG12	3	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG13	3	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG11	6	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG12	6	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG13	6	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG11	7	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG12	7	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG13	7	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG11	9	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG12	9	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG13	9	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG11	10	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG12	10	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG13	10	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG11	11	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG12	11	2.14
(1,1355)	1:35:A:TRP:H	1:32:A:VAL:HG13	11	2.14
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG11	1	2.14
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG12	1	2.14
(1,1335)	1:31:A:THR:HA	1:32:A:VAL:HG13	1	2.14
(1,1318)	1:25:A:LEU:HA	1:26:A:PRO:HG2	2	2.14
(1,1318)	1:25:A:LEU:HA	1:26:A:PRO:HG2	12	2.14
(1,1318)	1:25:A:LEU:HA	1:26:A:PRO:HG2	13	2.14
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD21	12	2.14
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD22	12	2.14
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD23	12	2.14
(1,2210)	1:97:A:VAL:HA	1:100:A:ASP:H	1	2.13
(1,2210)	1:97:A:VAL:HA	1:100:A:ASP:H	13	2.13
(1,2210)	1:97:A:VAL:HA	1:100:A:ASP:H	15	2.13
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD11	7	2.13
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD12	7	2.13
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD13	7	2.13
(1,2198)	1:96:A:TYR:H	1:100:A:ASP:H	11	2.13
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD1	1	2.13
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD2	1	2.13
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD1	1	2.13
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD2	1	2.13
(1,2142)	1:90:A:GLU:H	1:87:A:GLN:H	1	2.13
(1,2142)	1:90:A:GLU:H	1:87:A:GLN:H	8	2.13
(1,2142)	1:90:A:GLU:H	1:87:A:GLN:H	12	2.13
(1,2142)	1:90:A:GLU:H	1:87:A:GLN:H	14	2.13
(1,2142)	1:90:A:GLU:H	1:87:A:GLN:H	15	2.13
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE1	6	2.13
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE2	6	2.13
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE3	6	2.13
(1,2020)	1:76:A:PRO:HA	1:79:A:LYS:HB3	4	2.13
(1,2020)	1:76:A:PRO:HA	1:79:A:LYS:HB3	14	2.13
(1,1971)	1:71:A:LEU:H	1:67:A:GLU:HB2	4	2.13
(1,1971)	1:71:A:LEU:H	1:67:A:GLU:HB2	13	2.13
(1,1971)	1:71:A:LEU:H	1:67:A:GLU:HB2	14	2.13
(1,1918)	1:65:A:LYS:H	1:62:A:SER:HB2	10	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1784)	1:42:A:LEU:H	1:39:A:LEU:HB2	11	2.13
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD11	5	2.13
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD12	5	2.13
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD13	5	2.13
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD11	9	2.13
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD12	9	2.13
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD13	9	2.13
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD11	10	2.13
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD12	10	2.13
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD13	10	2.13
(1,1749)	1:33:A:ALA:H	1:31:A:THR:H	2	2.13
(1,1749)	1:33:A:ALA:H	1:31:A:THR:H	4	2.13
(1,1749)	1:33:A:ALA:H	1:31:A:THR:H	5	2.13
(1,1749)	1:33:A:ALA:H	1:31:A:THR:H	12	2.13
(1,1749)	1:33:A:ALA:H	1:31:A:THR:H	14	2.13
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG11	11	2.13
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG12	11	2.13
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG13	11	2.13
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG11	14	2.13
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG12	14	2.13
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG13	14	2.13
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB2	6	2.13
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB3	6	2.13
(1,1610)	1:8:A:GLU:HB3	1:7:A:SER:HB2	1	2.13
(1,1610)	1:8:A:GLU:HB3	1:7:A:SER:HB2	2	2.13
(1,1610)	1:8:A:GLU:HB3	1:7:A:SER:HB2	4	2.13
(1,1610)	1:8:A:GLU:HB3	1:7:A:SER:HB2	9	2.13
(1,1610)	1:8:A:GLU:HB3	1:7:A:SER:HB2	10	2.13
(1,1610)	1:8:A:GLU:HB3	1:7:A:SER:HB2	14	2.13
(1,1601)	1:6:A:PHE:HA	1:9:A:LEU:HG	12	2.13
(1,1589)	1:6:A:PHE:HE1	1:4:A:ILE:HA	6	2.13
(1,1589)	1:6:A:PHE:HE2	1:4:A:ILE:HA	6	2.13
(1,1559)	1:2:A:PHE:HD1	1:4:A:ILE:HB	1	2.13
(1,1559)	1:2:A:PHE:HD2	1:4:A:ILE:HB	1	2.13
(1,1559)	1:2:A:PHE:HD1	1:4:A:ILE:HB	3	2.13
(1,1559)	1:2:A:PHE:HD2	1:4:A:ILE:HB	3	2.13
(1,1559)	1:2:A:PHE:HD1	1:4:A:ILE:HB	9	2.13
(1,1559)	1:2:A:PHE:HD2	1:4:A:ILE:HB	9	2.13
(1,1559)	1:2:A:PHE:HD1	1:4:A:ILE:HB	14	2.13
(1,1559)	1:2:A:PHE:HD2	1:4:A:ILE:HB	14	2.13
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG21	2	2.13
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG22	2	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG23	2	2.13
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD1	1	2.13
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD2	1	2.13
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD1	1	2.13
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD2	1	2.13
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE1	8	2.13
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE2	8	2.13
(1,1521)	1:93:A:LYS:H	1:90:A:GLU:H	5	2.13
(1,1511)	1:90:A:GLU:H	1:86:A:ARG:H	1	2.13
(1,1511)	1:90:A:GLU:H	1:86:A:ARG:H	5	2.13
(1,1511)	1:90:A:GLU:H	1:86:A:ARG:H	6	2.13
(1,1511)	1:90:A:GLU:H	1:86:A:ARG:H	8	2.13
(1,1511)	1:90:A:GLU:H	1:86:A:ARG:H	9	2.13
(1,1511)	1:90:A:GLU:H	1:86:A:ARG:H	10	2.13
(1,1511)	1:90:A:GLU:H	1:86:A:ARG:H	12	2.13
(1,1511)	1:90:A:GLU:H	1:86:A:ARG:H	14	2.13
(1,1511)	1:90:A:GLU:H	1:86:A:ARG:H	15	2.13
(1,1499)	1:85:A:LEU:H	1:86:A:ARG:HA	3	2.13
(1,1499)	1:85:A:LEU:H	1:86:A:ARG:HA	5	2.13
(1,1499)	1:85:A:LEU:H	1:86:A:ARG:HA	8	2.13
(1,1499)	1:85:A:LEU:H	1:86:A:ARG:HA	10	2.13
(1,1499)	1:85:A:LEU:H	1:86:A:ARG:HA	11	2.13
(1,1499)	1:85:A:LEU:H	1:86:A:ARG:HA	12	2.13
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG2	6	2.13
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG3	6	2.13
(1,1389)	1:42:A:LEU:H	1:39:A:LEU:HG	10	2.13
(1,1381)	1:40:A:ARG:HB2	1:43:A:ALA:H	3	2.13
(1,1381)	1:40:A:ARG:HB3	1:43:A:ALA:H	3	2.13
(1,1318)	1:25:A:LEU:HA	1:26:A:PRO:HG2	1	2.13
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD21	11	2.13
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD22	11	2.13
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD23	11	2.13
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG21	5	2.13
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG22	5	2.13
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG23	5	2.13
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG21	5	2.13
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG22	5	2.13
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG23	5	2.13
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG21	6	2.13
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG22	6	2.13
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG23	6	2.13
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG21	6	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG22	6	2.13
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG23	6	2.13
(1,2216)	1:98:A:ALA:HA	1:100:A:ASP:H	4	2.12
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD11	8	2.12
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD12	8	2.12
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD13	8	2.12
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD1	12	2.12
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD2	12	2.12
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD1	12	2.12
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD2	12	2.12
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD1	15	2.12
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD2	15	2.12
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD1	15	2.12
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD2	15	2.12
(1,2142)	1:90:A:GLU:H	1:87:A:GLN:H	3	2.12
(1,2142)	1:90:A:GLU:H	1:87:A:GLN:H	4	2.12
(1,2142)	1:90:A:GLU:H	1:87:A:GLN:H	5	2.12
(1,2142)	1:90:A:GLU:H	1:87:A:GLN:H	6	2.12
(1,2142)	1:90:A:GLU:H	1:87:A:GLN:H	7	2.12
(1,2142)	1:90:A:GLU:H	1:87:A:GLN:H	9	2.12
(1,2142)	1:90:A:GLU:H	1:87:A:GLN:H	11	2.12
(1,2142)	1:90:A:GLU:H	1:87:A:GLN:H	13	2.12
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD21	13	2.12
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD22	13	2.12
(1,1955)	1:68:A:LYS:HG2	1:69:A:ALA:H	1	2.12
(1,1955)	1:68:A:LYS:HG2	1:69:A:ALA:H	12	2.12
(1,1953)	1:68:A:LYS:HG3	1:67:A:GLU:HB2	5	2.12
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG2	10	2.12
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG3	10	2.12
(1,1914)	1:64:A:LYS:HA	1:66:A:VAL:H	12	2.12
(1,1864)	1:55:A:LYS:H	1:54:A:LEU:HB2	2	2.12
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG2	1	2.12
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG3	1	2.12
(1,1799)	1:43:A:ALA:HA	1:46:A:VAL:HB	1	2.12
(1,1784)	1:42:A:LEU:H	1:39:A:LEU:HB2	2	2.12
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD11	3	2.12
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD12	3	2.12
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD13	3	2.12
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD11	6	2.12
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD12	6	2.12
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD13	6	2.12
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD11	14	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD12	14	2.12
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD13	14	2.12
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD11	15	2.12
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD12	15	2.12
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD13	15	2.12
(1,1749)	1:33:A:ALA:H	1:31:A:THR:H	7	2.12
(1,1749)	1:33:A:ALA:H	1:31:A:THR:H	9	2.12
(1,1749)	1:33:A:ALA:H	1:31:A:THR:H	10	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG11	3	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG12	3	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG13	3	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG11	4	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG12	4	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG13	4	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG11	5	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG12	5	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG13	5	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG11	6	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG12	6	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG13	6	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG11	7	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG12	7	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG13	7	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG11	8	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG12	8	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG13	8	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG11	9	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG12	9	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG13	9	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG11	10	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG12	10	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG13	10	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG11	15	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG12	15	2.12
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG13	15	2.12
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB2	9	2.12
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB3	9	2.12
(1,1660)	1:14:A:ILE:HA	1:17:A:LEU:HG	13	2.12
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB2	5	2.12
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB3	5	2.12
(1,1616)	1:8:A:GLU:H	1:10:A:LEU:H	3	2.12
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD11	8	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD12	8	2.12
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD13	8	2.12
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD21	8	2.12
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD22	8	2.12
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD23	8	2.12
(1,1601)	1:6:A:PHE:HA	1:9:A:LEU:HG	15	2.12
(1,1589)	1:6:A:PHE:HE1	1:4:A:ILE:HA	5	2.12
(1,1589)	1:6:A:PHE:HE2	1:4:A:ILE:HA	5	2.12
(1,1589)	1:6:A:PHE:HE1	1:4:A:ILE:HA	13	2.12
(1,1589)	1:6:A:PHE:HE2	1:4:A:ILE:HA	13	2.12
(1,1559)	1:2:A:PHE:HD1	1:4:A:ILE:HB	2	2.12
(1,1559)	1:2:A:PHE:HD2	1:4:A:ILE:HB	2	2.12
(1,1559)	1:2:A:PHE:HD1	1:4:A:ILE:HB	4	2.12
(1,1559)	1:2:A:PHE:HD2	1:4:A:ILE:HB	4	2.12
(1,1559)	1:2:A:PHE:HD1	1:4:A:ILE:HB	6	2.12
(1,1559)	1:2:A:PHE:HD2	1:4:A:ILE:HB	6	2.12
(1,1559)	1:2:A:PHE:HD1	1:4:A:ILE:HB	10	2.12
(1,1559)	1:2:A:PHE:HD2	1:4:A:ILE:HB	10	2.12
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD1	12	2.12
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD2	12	2.12
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD1	12	2.12
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD2	12	2.12
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD1	15	2.12
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD2	15	2.12
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD1	15	2.12
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD2	15	2.12
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE1	10	2.12
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE2	10	2.12
(1,1521)	1:93:A:LYS:H	1:90:A:GLU:H	2	2.12
(1,1521)	1:93:A:LYS:H	1:90:A:GLU:H	4	2.12
(1,1511)	1:90:A:GLU:H	1:86:A:ARG:H	3	2.12
(1,1511)	1:90:A:GLU:H	1:86:A:ARG:H	7	2.12
(1,1499)	1:85:A:LEU:H	1:86:A:ARG:HA	7	2.12
(1,1499)	1:85:A:LEU:H	1:86:A:ARG:HA	14	2.12
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG2	9	2.12
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG3	9	2.12
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG2	13	2.12
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG3	13	2.12
(1,1438)	1:58:A:GLU:H	1:62:A:SER:H	12	2.12
(1,1438)	1:58:A:GLU:H	1:62:A:SER:H	13	2.12
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD1	8	2.12
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD2	8	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG21	5	2.12
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG22	5	2.12
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG23	5	2.12
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG21	5	2.12
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG22	5	2.12
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG23	5	2.12
(1,1389)	1:42:A:LEU:H	1:39:A:LEU:HG	5	2.12
(1,1389)	1:42:A:LEU:H	1:39:A:LEU:HG	11	2.12
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG21	1	2.12
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG22	1	2.12
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG23	1	2.12
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD21	2	2.12
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD22	2	2.12
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD23	2	2.12
(1,1292)	1:17:A:LEU:H	1:14:A:ILE:HB	11	2.12
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD11	5	2.12
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD12	5	2.12
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD13	5	2.12
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD11	6	2.12
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD12	6	2.12
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD13	6	2.12
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD21	2	2.12
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD22	2	2.12
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD23	2	2.12
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD21	2	2.12
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD22	2	2.12
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD23	2	2.12
(4,138)	1:56:A:LEU:O	1:60:A:GLN:N	5	2.11
(1,2241)	1:103:A:GLU:HB2	1:102:A:LEU:HG	12	2.11
(1,2241)	1:103:A:GLU:HB3	1:102:A:LEU:HG	12	2.11
(1,2239)	1:103:A:GLU:H	1:100:A:ASP:H	2	2.11
(1,2225)	1:101:A:PRO:HD2	1:98:A:ALA:H	3	2.11
(1,2225)	1:101:A:PRO:HD3	1:98:A:ALA:H	3	2.11
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD11	10	2.11
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD12	10	2.11
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD13	10	2.11
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD1	13	2.11
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD2	13	2.11
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD1	13	2.11
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD2	13	2.11
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG21	6	2.11
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG22	6	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG23	6	2.11
(1,2142)	1:90:A:GLU:H	1:87:A:GLN:H	2	2.11
(1,2142)	1:90:A:GLU:H	1:87:A:GLN:H	10	2.11
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE1	13	2.11
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE2	13	2.11
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE3	13	2.11
(1,1971)	1:71:A:LEU:H	1:67:A:GLU:HB2	15	2.11
(1,1955)	1:68:A:LYS:HG2	1:69:A:ALA:H	2	2.11
(1,1952)	1:68:A:LYS:H	1:66:A:VAL:HA	7	2.11
(1,1914)	1:64:A:LYS:HA	1:66:A:VAL:H	2	2.11
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG2	13	2.11
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG3	13	2.11
(1,1793)	1:43:A:ALA:H	1:41:A:SER:HA	8	2.11
(1,1793)	1:43:A:ALA:H	1:41:A:SER:HA	9	2.11
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD11	4	2.11
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD12	4	2.11
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD13	4	2.11
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD11	8	2.11
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD12	8	2.11
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD13	8	2.11
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD11	12	2.11
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD12	12	2.11
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD13	12	2.11
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD11	13	2.11
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD12	13	2.11
(1,1766)	1:37:A:ARG:H	1:36:A:ILE:HD13	13	2.11
(1,1749)	1:33:A:ALA:H	1:31:A:THR:H	3	2.11
(1,1749)	1:33:A:ALA:H	1:31:A:THR:H	6	2.11
(1,1740)	1:30:A:LYS:HG2	1:31:A:THR:H	1	2.11
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG11	13	2.11
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG12	13	2.11
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG13	13	2.11
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB2	11	2.11
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB3	11	2.11
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB2	12	2.11
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB3	12	2.11
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB2	15	2.11
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB3	15	2.11
(1,1618)	1:9:A:LEU:HA	1:12:A:VAL:HA	15	2.11
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD11	3	2.11
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD12	3	2.11
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD13	3	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD21	3	2.11
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD22	3	2.11
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD23	3	2.11
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD11	12	2.11
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD12	12	2.11
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD13	12	2.11
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD21	12	2.11
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD22	12	2.11
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD23	12	2.11
(1,1589)	1:6:A:PHE:HE1	1:4:A:ILE:HA	2	2.11
(1,1589)	1:6:A:PHE:HE2	1:4:A:ILE:HA	2	2.11
(1,1589)	1:6:A:PHE:HE1	1:4:A:ILE:HA	4	2.11
(1,1589)	1:6:A:PHE:HE2	1:4:A:ILE:HA	4	2.11
(1,1589)	1:6:A:PHE:HE1	1:4:A:ILE:HA	10	2.11
(1,1589)	1:6:A:PHE:HE2	1:4:A:ILE:HA	10	2.11
(1,1552)	1:2:A:PHE:H	1:3:A:ASP:HB2	11	2.11
(1,1543)	1:1:A:MET:HE1	1:3:A:ASP:H	11	2.11
(1,1543)	1:1:A:MET:HE2	1:3:A:ASP:H	11	2.11
(1,1543)	1:1:A:MET:HE3	1:3:A:ASP:H	11	2.11
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE1	6	2.11
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE2	6	2.11
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD1	13	2.11
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD2	13	2.11
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD1	13	2.11
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD2	13	2.11
(1,1521)	1:93:A:LYS:H	1:90:A:GLU:H	1	2.11
(1,1521)	1:93:A:LYS:H	1:90:A:GLU:H	9	2.11
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG2	3	2.11
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG3	3	2.11
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG2	4	2.11
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG3	4	2.11
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG2	8	2.11
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG3	8	2.11
(1,1438)	1:58:A:GLU:H	1:62:A:SER:H	8	2.11
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG21	6	2.11
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG22	6	2.11
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG23	6	2.11
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG21	6	2.11
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG22	6	2.11
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG23	6	2.11
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG21	11	2.11
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG22	11	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG23	11	2.11
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG21	11	2.11
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG22	11	2.11
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG23	11	2.11
(1,1389)	1:42:A:LEU:H	1:39:A:LEU:HG	2	2.11
(1,1389)	1:42:A:LEU:H	1:39:A:LEU:HG	8	2.11
(1,1389)	1:42:A:LEU:H	1:39:A:LEU:HG	9	2.11
(1,1294)	1:17:A:LEU:H	1:18:A:VAL:HB	12	2.11
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG21	9	2.11
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG22	9	2.11
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG23	9	2.11
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG21	9	2.11
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG22	9	2.11
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG23	9	2.11
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD1	1	2.11
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD2	1	2.11
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD1	5	2.11
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD2	5	2.11
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD1	6	2.11
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD2	6	2.11
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD11	13	2.11
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD12	13	2.11
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD13	13	2.11
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD21	9	2.1
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD22	9	2.1
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD23	9	2.1
(1,2241)	1:103:A:GLU:HB2	1:102:A:LEU:HG	13	2.1
(1,2241)	1:103:A:GLU:HB3	1:102:A:LEU:HG	13	2.1
(1,2241)	1:103:A:GLU:HB2	1:102:A:LEU:HG	15	2.1
(1,2241)	1:103:A:GLU:HB3	1:102:A:LEU:HG	15	2.1
(1,2225)	1:101:A:PRO:HD2	1:98:A:ALA:H	6	2.1
(1,2225)	1:101:A:PRO:HD3	1:98:A:ALA:H	6	2.1
(1,2198)	1:96:A:TYR:H	1:100:A:ASP:H	10	2.1
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG11	11	2.1
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG12	11	2.1
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG13	11	2.1
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG11	4	2.1
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG12	4	2.1
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG13	4	2.1
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG11	4	2.1
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG12	4	2.1
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG13	4	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG11	14	2.1
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG12	14	2.1
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG13	14	2.1
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG11	14	2.1
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG12	14	2.1
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG13	14	2.1
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG21	4	2.1
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG22	4	2.1
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG23	4	2.1
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG21	7	2.1
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG22	7	2.1
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG23	7	2.1
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE1	8	2.1
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE2	8	2.1
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE3	8	2.1
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG21	1	2.1
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG22	1	2.1
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG23	1	2.1
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG21	10	2.1
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG22	10	2.1
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG23	10	2.1
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG21	11	2.1
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG22	11	2.1
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG23	11	2.1
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG21	6	2.1
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG22	6	2.1
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG23	6	2.1
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD21	4	2.1
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD22	4	2.1
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD23	4	2.1
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD21	14	2.1
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD22	14	2.1
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD23	14	2.1
(1,1971)	1:71:A:LEU:H	1:67:A:GLU:HB2	7	2.1
(1,1914)	1:64:A:LYS:HA	1:66:A:VAL:H	8	2.1
(1,1914)	1:64:A:LYS:HA	1:66:A:VAL:H	11	2.1
(1,1904)	1:63:A:LEU:H	1:66:A:VAL:HB	5	2.1
(1,1784)	1:42:A:LEU:H	1:39:A:LEU:HB2	10	2.1
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD11	3	2.1
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD12	3	2.1
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD13	3	2.1
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD21	3	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD22	3	2.1
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD23	3	2.1
(1,1749)	1:33:A:ALA:H	1:31:A:THR:H	1	2.1
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB2	1	2.1
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB3	1	2.1
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB2	3	2.1
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB3	3	2.1
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB2	4	2.1
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB3	4	2.1
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB2	5	2.1
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB3	5	2.1
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB2	7	2.1
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB3	7	2.1
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB2	8	2.1
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB3	8	2.1
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB2	10	2.1
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB3	10	2.1
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB2	13	2.1
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB3	13	2.1
(1,1660)	1:14:A:ILE:HA	1:17:A:LEU:HG	12	2.1
(1,1647)	1:13:A:PHE:HZ	1:17:A:LEU:HG	13	2.1
(1,1618)	1:9:A:LEU:HA	1:12:A:VAL:HA	11	2.1
(1,1610)	1:8:A:GLU:HB3	1:7:A:SER:HB2	3	2.1
(1,1604)	1:8:A:GLU:HB2	1:4:A:ILE:HA	7	2.1
(1,1589)	1:6:A:PHE:HE1	1:4:A:ILE:HA	1	2.1
(1,1589)	1:6:A:PHE:HE2	1:4:A:ILE:HA	1	2.1
(1,1589)	1:6:A:PHE:HE1	1:4:A:ILE:HA	3	2.1
(1,1589)	1:6:A:PHE:HE2	1:4:A:ILE:HA	3	2.1
(1,1589)	1:6:A:PHE:HE1	1:4:A:ILE:HA	9	2.1
(1,1589)	1:6:A:PHE:HE2	1:4:A:ILE:HA	9	2.1
(1,1589)	1:6:A:PHE:HE1	1:4:A:ILE:HA	14	2.1
(1,1589)	1:6:A:PHE:HE2	1:4:A:ILE:HA	14	2.1
(1,1581)	1:4:A:ILE:HD11	1:5:A:GLY:H	12	2.1
(1,1581)	1:4:A:ILE:HD12	1:5:A:GLY:H	12	2.1
(1,1581)	1:4:A:ILE:HD13	1:5:A:GLY:H	12	2.1
(1,1559)	1:2:A:PHE:HD1	1:4:A:ILE:HB	12	2.1
(1,1559)	1:2:A:PHE:HD2	1:4:A:ILE:HB	12	2.1
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE1	3	2.1
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE2	3	2.1
(1,1497)	1:84:A:GLU:H	1:86:A:ARG:H	7	2.1
(1,1467)	1:72:A:THR:HA	1:74:A:LEU:HB2	15	2.1
(1,1432)	1:56:A:LEU:HB2	1:60:A:GLN:HB2	11	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG21	2	2.1
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG22	2	2.1
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG23	2	2.1
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG21	2	2.1
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG22	2	2.1
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG23	2	2.1
(1,1389)	1:42:A:LEU:H	1:39:A:LEU:HG	3	2.1
(1,1389)	1:42:A:LEU:H	1:39:A:LEU:HG	6	2.1
(1,1389)	1:42:A:LEU:H	1:39:A:LEU:HG	7	2.1
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD21	1	2.1
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD22	1	2.1
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD23	1	2.1
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD21	3	2.1
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD22	3	2.1
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD23	3	2.1
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD21	7	2.1
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD22	7	2.1
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD23	7	2.1
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD21	8	2.1
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD22	8	2.1
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD23	8	2.1
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD21	9	2.1
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD22	9	2.1
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD23	9	2.1
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD21	15	2.1
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD22	15	2.1
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD23	15	2.1
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB2	12	2.1
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	12	2.1
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB2	12	2.1
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	12	2.1
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB2	12	2.1
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	12	2.1
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD11	5	2.1
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD12	5	2.1
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD13	5	2.1
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD11	6	2.1
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD12	6	2.1
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD13	6	2.1
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD11	9	2.1
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD12	9	2.1
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD13	9	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD11	1	2.1
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD12	1	2.1
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD13	1	2.1
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD11	1	2.1
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD12	1	2.1
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD13	1	2.1
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG21	12	2.1
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG22	12	2.1
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG23	12	2.1
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG21	12	2.1
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG22	12	2.1
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG23	12	2.1
(1,1246)	1:4:A:ILE:HD11	1:7:A:SER:HB2	15	2.1
(1,1246)	1:4:A:ILE:HD11	1:7:A:SER:HB3	15	2.1
(1,1246)	1:4:A:ILE:HD12	1:7:A:SER:HB2	15	2.1
(1,1246)	1:4:A:ILE:HD12	1:7:A:SER:HB3	15	2.1
(1,1246)	1:4:A:ILE:HD13	1:7:A:SER:HB2	15	2.1
(1,1246)	1:4:A:ILE:HD13	1:7:A:SER:HB3	15	2.1
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD11	15	2.1
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD12	15	2.1
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD13	15	2.1
(1,2210)	1:97:A:VAL:HA	1:100:A:ASP:H	6	2.09
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD11	8	2.09
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD12	8	2.09
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD13	8	2.09
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD11	8	2.09
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD12	8	2.09
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD13	8	2.09
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG11	13	2.09
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG12	13	2.09
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG13	13	2.09
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG11	15	2.09
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG12	15	2.09
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG13	15	2.09
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG11	3	2.09
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG12	3	2.09
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG13	3	2.09
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG11	3	2.09
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG12	3	2.09
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG13	3	2.09
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG11	8	2.09
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG12	8	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG13	8	2.09
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG11	8	2.09
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG12	8	2.09
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG13	8	2.09
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG21	2	2.09
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG22	2	2.09
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG23	2	2.09
(1,2153)	1:91:A:SER:HA	1:93:A:LYS:H	2	2.09
(1,2152)	1:91:A:SER:HA	1:92:A:MET:HB3	14	2.09
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE1	3	2.09
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE2	3	2.09
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE3	3	2.09
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE1	9	2.09
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE2	9	2.09
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE3	9	2.09
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE1	15	2.09
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE2	15	2.09
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE3	15	2.09
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG21	2	2.09
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG22	2	2.09
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG23	2	2.09
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG21	12	2.09
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG22	12	2.09
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG23	12	2.09
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG21	8	2.09
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG22	8	2.09
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG23	8	2.09
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG21	15	2.09
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG22	15	2.09
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG23	15	2.09
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD21	10	2.09
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD22	10	2.09
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD23	10	2.09
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD21	11	2.09
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD22	11	2.09
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD23	11	2.09
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD21	9	2.09
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD22	9	2.09
(1,1952)	1:68:A:LYS:H	1:66:A:VAL:HA	5	2.09
(1,1914)	1:64:A:LYS:HA	1:66:A:VAL:H	1	2.09
(1,1904)	1:63:A:LEU:H	1:66:A:VAL:HB	15	2.09
(1,1899)	1:63:A:LEU:HB2	1:62:A:SER:HB2	11	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1866)	1:56:A:LEU:HB2	1:60:A:GLN:HE21	2	2.09
(1,1806)	1:45:A:THR:H	1:44:A:THR:HB	10	2.09
(1,1789)	1:42:A:LEU:H	1:44:A:THR:H	5	2.09
(1,1784)	1:42:A:LEU:H	1:39:A:LEU:HB2	1	2.09
(1,1784)	1:42:A:LEU:H	1:39:A:LEU:HB2	5	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD11	5	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD12	5	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD13	5	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD21	5	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD22	5	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD23	5	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD11	6	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD12	6	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD13	6	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD21	6	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD22	6	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD23	6	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD11	8	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD12	8	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD13	8	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD21	8	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD22	8	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD23	8	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD11	13	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD12	13	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD13	13	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD21	13	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD22	13	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD23	13	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD11	15	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD12	15	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD13	15	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD21	15	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD22	15	2.09
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD23	15	2.09
(1,1618)	1:9:A:LEU:HA	1:12:A:VAL:HA	3	2.09
(1,1616)	1:8:A:GLU:H	1:10:A:LEU:H	13	2.09
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD11	15	2.09
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD12	15	2.09
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD13	15	2.09
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD21	15	2.09
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD22	15	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD23	15	2.09
(1,1610)	1:8:A:GLU:HB3	1:7:A:SER:HB2	8	2.09
(1,1601)	1:6:A:PHE:HA	1:9:A:LEU:HG	11	2.09
(1,1543)	1:1:A:MET:HE1	1:3:A:ASP:H	12	2.09
(1,1543)	1:1:A:MET:HE2	1:3:A:ASP:H	12	2.09
(1,1543)	1:1:A:MET:HE3	1:3:A:ASP:H	12	2.09
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG21	6	2.09
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG22	6	2.09
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG23	6	2.09
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE1	7	2.09
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE2	7	2.09
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE1	6	2.09
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE2	6	2.09
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE1	7	2.09
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE2	7	2.09
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE1	14	2.09
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE2	14	2.09
(1,1521)	1:93:A:LYS:H	1:90:A:GLU:H	7	2.09
(1,1521)	1:93:A:LYS:H	1:90:A:GLU:H	8	2.09
(1,1521)	1:93:A:LYS:H	1:90:A:GLU:H	10	2.09
(1,1521)	1:93:A:LYS:H	1:90:A:GLU:H	14	2.09
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG2	14	2.09
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG3	14	2.09
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD11	1	2.09
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD12	1	2.09
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD13	1	2.09
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD11	2	2.09
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD12	2	2.09
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD13	2	2.09
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD11	5	2.09
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD12	5	2.09
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD13	5	2.09
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD11	7	2.09
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD12	7	2.09
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD13	7	2.09
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD11	10	2.09
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD12	10	2.09
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD13	10	2.09
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD11	11	2.09
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD12	11	2.09
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD13	11	2.09
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD11	12	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD12	12	2.09
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD13	12	2.09
(1,1461)	1:70:A:SER:H	1:67:A:GLU:HB2	6	2.09
(1,1438)	1:58:A:GLU:H	1:62:A:SER:H	1	2.09
(1,1438)	1:58:A:GLU:H	1:62:A:SER:H	3	2.09
(1,1438)	1:58:A:GLU:H	1:62:A:SER:H	9	2.09
(1,1438)	1:58:A:GLU:H	1:62:A:SER:H	10	2.09
(1,1422)	1:48:A:ASN:H	1:44:A:THR:HB	10	2.09
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB1	6	2.09
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB2	6	2.09
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB3	6	2.09
(1,1389)	1:42:A:LEU:H	1:39:A:LEU:HG	12	2.09
(1,1381)	1:40:A:ARG:HB2	1:43:A:ALA:H	7	2.09
(1,1381)	1:40:A:ARG:HB3	1:43:A:ALA:H	7	2.09
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG21	2	2.09
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG22	2	2.09
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG23	2	2.09
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG21	3	2.09
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG22	3	2.09
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG23	3	2.09
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG21	6	2.09
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG22	6	2.09
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG23	6	2.09
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG21	10	2.09
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG22	10	2.09
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG23	10	2.09
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG21	11	2.09
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG22	11	2.09
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG23	11	2.09
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD21	4	2.09
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD22	4	2.09
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD23	4	2.09
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD21	10	2.09
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD22	10	2.09
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD23	10	2.09
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD21	12	2.09
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD22	12	2.09
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD23	12	2.09
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD21	14	2.09
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD22	14	2.09
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD23	14	2.09
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD11	2	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD12	2	2.09
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD13	2	2.09
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD11	3	2.09
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD12	3	2.09
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD13	3	2.09
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD11	4	2.09
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD12	4	2.09
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD13	4	2.09
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD11	7	2.09
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD12	7	2.09
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD13	7	2.09
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD11	8	2.09
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD12	8	2.09
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD13	8	2.09
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD11	10	2.09
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD12	10	2.09
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD13	10	2.09
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD11	12	2.09
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD12	12	2.09
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD13	12	2.09
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG21	11	2.09
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG22	11	2.09
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG23	11	2.09
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG21	11	2.09
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG22	11	2.09
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG23	11	2.09
(1,1256)	1:10:A:LEU:HA	1:12:A:VAL:H	5	2.09
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD11	10	2.09
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD12	10	2.09
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD13	10	2.09
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG11	1	2.08
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG12	1	2.08
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG13	1	2.08
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG11	12	2.08
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG12	12	2.08
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG13	12	2.08
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD1	11	2.08
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD2	11	2.08
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD1	11	2.08
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD2	11	2.08
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG21	5	2.08
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG22	5	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG23	5	2.08
(1,2164)	1:93:A:LYS:HG3	1:97:A:VAL:HB	10	2.08
(1,2153)	1:91:A:SER:HA	1:93:A:LYS:H	4	2.08
(1,2152)	1:91:A:SER:HA	1:92:A:MET:HB3	6	2.08
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE1	14	2.08
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE2	14	2.08
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE3	14	2.08
(1,2020)	1:76:A:PRO:HA	1:79:A:LYS:HB3	3	2.08
(1,2020)	1:76:A:PRO:HA	1:79:A:LYS:HB3	9	2.08
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG21	5	2.08
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG22	5	2.08
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG23	5	2.08
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG21	6	2.08
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG22	6	2.08
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG23	6	2.08
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD21	1	2.08
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD22	1	2.08
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD23	1	2.08
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD21	2	2.08
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD22	2	2.08
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD23	2	2.08
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD21	3	2.08
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD22	3	2.08
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD23	3	2.08
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD21	12	2.08
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD22	12	2.08
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD23	12	2.08
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG2	13	2.08
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG3	13	2.08
(1,1918)	1:65:A:LYS:H	1:62:A:SER:HB2	2	2.08
(1,1904)	1:63:A:LEU:H	1:66:A:VAL:HB	7	2.08
(1,1904)	1:63:A:LEU:H	1:66:A:VAL:HB	13	2.08
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB2	15	2.08
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB3	15	2.08
(1,1784)	1:42:A:LEU:H	1:39:A:LEU:HB2	8	2.08
(1,1784)	1:42:A:LEU:H	1:39:A:LEU:HB2	9	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD11	9	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD12	9	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD13	9	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD21	9	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD22	9	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD23	9	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD11	10	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD12	10	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD13	10	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD21	10	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD22	10	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD23	10	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD11	12	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD12	12	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD13	12	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD21	12	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD22	12	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD23	12	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD11	14	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD12	14	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD13	14	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD21	14	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD22	14	2.08
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD23	14	2.08
(1,1618)	1:9:A:LEU:HA	1:12:A:VAL:HA	13	2.08
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG13	11	2.08
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG12	11	2.08
(1,1589)	1:6:A:PHE:HE1	1:4:A:ILE:HA	8	2.08
(1,1589)	1:6:A:PHE:HE2	1:4:A:ILE:HA	8	2.08
(1,1582)	1:4:A:ILE:HD11	1:6:A:PHE:H	7	2.08
(1,1582)	1:4:A:ILE:HD12	1:6:A:PHE:H	7	2.08
(1,1582)	1:4:A:ILE:HD13	1:6:A:PHE:H	7	2.08
(1,1561)	1:2:A:PHE:H	1:4:A:ILE:H	8	2.08
(1,1543)	1:1:A:MET:HE1	1:3:A:ASP:H	2	2.08
(1,1543)	1:1:A:MET:HE2	1:3:A:ASP:H	2	2.08
(1,1543)	1:1:A:MET:HE3	1:3:A:ASP:H	2	2.08
(1,1543)	1:1:A:MET:HE1	1:3:A:ASP:H	6	2.08
(1,1543)	1:1:A:MET:HE2	1:3:A:ASP:H	6	2.08
(1,1543)	1:1:A:MET:HE3	1:3:A:ASP:H	6	2.08
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG21	11	2.08
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG22	11	2.08
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG23	11	2.08
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD1	11	2.08
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD2	11	2.08
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD1	11	2.08
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD2	11	2.08
(1,1521)	1:93:A:LYS:H	1:90:A:GLU:H	6	2.08
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG2	15	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG3	15	2.08
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD11	15	2.08
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD12	15	2.08
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD13	15	2.08
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD2	3	2.08
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD3	3	2.08
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD2	9	2.08
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD3	9	2.08
(1,1441)	1:60:A:GLN:H	1:56:A:LEU:H	6	2.08
(1,1438)	1:58:A:GLU:H	1:62:A:SER:H	4	2.08
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD2	11	2.08
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD3	11	2.08
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG21	7	2.08
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG22	7	2.08
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG23	7	2.08
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG21	7	2.08
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG22	7	2.08
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG23	7	2.08
(1,1389)	1:42:A:LEU:H	1:39:A:LEU:HG	4	2.08
(1,1381)	1:40:A:ARG:HB2	1:43:A:ALA:H	1	2.08
(1,1381)	1:40:A:ARG:HB3	1:43:A:ALA:H	1	2.08
(1,1381)	1:40:A:ARG:HB2	1:43:A:ALA:H	14	2.08
(1,1381)	1:40:A:ARG:HB3	1:43:A:ALA:H	14	2.08
(1,1381)	1:40:A:ARG:HB2	1:43:A:ALA:H	15	2.08
(1,1381)	1:40:A:ARG:HB3	1:43:A:ALA:H	15	2.08
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG21	7	2.08
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG22	7	2.08
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG23	7	2.08
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG21	9	2.08
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG22	9	2.08
(1,1347)	1:35:A:TRP:HH2	1:31:A:THR:HG23	9	2.08
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD21	2	2.08
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD22	2	2.08
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD23	2	2.08
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD11	1	2.08
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD12	1	2.08
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD13	1	2.08
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD11	11	2.08
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD12	11	2.08
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD13	11	2.08
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD11	14	2.08
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD12	14	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD13	14	2.08
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD11	15	2.08
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD12	15	2.08
(1,1270)	1:12:A:VAL:H	1:15:A:ILE:HD13	15	2.08
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG21	4	2.08
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG22	4	2.08
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG23	4	2.08
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG21	4	2.08
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG22	4	2.08
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG23	4	2.08
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG21	14	2.08
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG22	14	2.08
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG23	14	2.08
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG21	14	2.08
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG22	14	2.08
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG23	14	2.08
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG21	3	2.08
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG22	3	2.08
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG23	3	2.08
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG21	3	2.08
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG22	3	2.08
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG23	3	2.08
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG21	5	2.08
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG22	5	2.08
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG23	5	2.08
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG21	5	2.08
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG22	5	2.08
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG23	5	2.08
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG21	6	2.08
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG22	6	2.08
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG23	6	2.08
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG21	6	2.08
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG22	6	2.08
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG23	6	2.08
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG21	8	2.08
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG22	8	2.08
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG23	8	2.08
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG21	8	2.08
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG22	8	2.08
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG23	8	2.08
(1,1256)	1:10:A:LEU:HA	1:12:A:VAL:H	6	2.08
(1,1256)	1:10:A:LEU:HA	1:12:A:VAL:H	9	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD11	1	2.08
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD12	1	2.08
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD13	1	2.08
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD11	8	2.08
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD12	8	2.08
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD13	8	2.08
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD11	9	2.08
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD12	9	2.08
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD13	9	2.08
(1,2242)	1:103:A:GLU:HG3	1:102:A:LEU:HA	14	2.07
(1,2239)	1:103:A:GLU:H	1:100:A:ASP:H	6	2.07
(1,2198)	1:96:A:TYR:H	1:100:A:ASP:H	1	2.07
(1,2198)	1:96:A:TYR:H	1:100:A:ASP:H	13	2.07
(1,2198)	1:96:A:TYR:H	1:100:A:ASP:H	15	2.07
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG11	2	2.07
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG12	2	2.07
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG13	2	2.07
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG11	2	2.07
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG12	2	2.07
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG13	2	2.07
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG11	6	2.07
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG12	6	2.07
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG13	6	2.07
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG11	6	2.07
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG12	6	2.07
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG13	6	2.07
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG11	7	2.07
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG12	7	2.07
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG13	7	2.07
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG11	7	2.07
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG12	7	2.07
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG13	7	2.07
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE1	10	2.07
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE2	10	2.07
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE3	10	2.07
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE1	10	2.07
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE2	10	2.07
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE3	10	2.07
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD1	14	2.07
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD2	14	2.07
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD1	14	2.07
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD2	14	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG21	3	2.07
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG22	3	2.07
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG23	3	2.07
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG21	9	2.07
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG22	9	2.07
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG23	9	2.07
(1,2153)	1:91:A:SER:HA	1:93:A:LYS:H	5	2.07
(1,2152)	1:91:A:SER:HA	1:92:A:MET:HB3	1	2.07
(1,2152)	1:91:A:SER:HA	1:92:A:MET:HB3	3	2.07
(1,2152)	1:91:A:SER:HA	1:92:A:MET:HB3	7	2.07
(1,2121)	1:86:A:ARG:HA	1:88:A:ALA:H	13	2.07
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD21	5	2.07
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD22	5	2.07
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD23	5	2.07
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD21	7	2.07
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD22	7	2.07
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD23	7	2.07
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD21	9	2.07
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD22	9	2.07
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD23	9	2.07
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD21	3	2.07
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD22	3	2.07
(1,1953)	1:68:A:LYS:HG3	1:67:A:GLU:HB2	7	2.07
(1,1948)	1:67:A:GLU:HG3	1:70:A:SER:HB2	3	2.07
(1,1933)	1:65:A:LYS:H	1:68:A:LYS:H	7	2.07
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG2	1	2.07
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG3	1	2.07
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG2	12	2.07
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG3	12	2.07
(1,1904)	1:63:A:LEU:H	1:66:A:VAL:HB	8	2.07
(1,1904)	1:63:A:LEU:H	1:66:A:VAL:HB	9	2.07
(1,1793)	1:43:A:ALA:H	1:41:A:SER:HA	10	2.07
(1,1793)	1:43:A:ALA:H	1:41:A:SER:HA	11	2.07
(1,1793)	1:43:A:ALA:H	1:41:A:SER:HA	14	2.07
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD11	7	2.07
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD12	7	2.07
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD13	7	2.07
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD21	7	2.07
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD22	7	2.07
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD23	7	2.07
(1,1735)	1:29:A:VAL:HA	1:32:A:VAL:H	1	2.07
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB2	14	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB3	14	2.07
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB2	4	2.07
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB3	4	2.07
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB2	14	2.07
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB3	14	2.07
(1,1618)	1:9:A:LEU:HA	1:12:A:VAL:HA	5	2.07
(1,1618)	1:9:A:LEU:HA	1:12:A:VAL:HA	7	2.07
(1,1618)	1:9:A:LEU:HA	1:12:A:VAL:HA	8	2.07
(1,1616)	1:8:A:GLU:H	1:10:A:LEU:H	8	2.07
(1,1561)	1:2:A:PHE:H	1:4:A:ILE:H	1	2.07
(1,1561)	1:2:A:PHE:H	1:4:A:ILE:H	3	2.07
(1,1561)	1:2:A:PHE:H	1:4:A:ILE:H	9	2.07
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE1	4	2.07
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE2	4	2.07
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE3	4	2.07
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE1	4	2.07
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE2	4	2.07
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE3	4	2.07
(1,1544)	1:1:A:MET:HA	1:3:A:ASP:H	8	2.07
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE1	8	2.07
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE2	8	2.07
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD1	14	2.07
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD2	14	2.07
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD1	14	2.07
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD2	14	2.07
(1,1521)	1:93:A:LYS:H	1:90:A:GLU:H	3	2.07
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE1	10	2.07
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE2	10	2.07
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE3	10	2.07
(1,1498)	1:85:A:LEU:H	1:83:A:ASP:H	13	2.07
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG2	5	2.07
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG3	5	2.07
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG2	10	2.07
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG3	10	2.07
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG2	12	2.07
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG3	12	2.07
(1,1467)	1:72:A:THR:HA	1:74:A:LEU:HB2	5	2.07
(1,1467)	1:72:A:THR:HA	1:74:A:LEU:HB2	7	2.07
(1,1461)	1:70:A:SER:H	1:67:A:GLU:HB2	8	2.07
(1,1441)	1:60:A:GLN:H	1:56:A:LEU:H	3	2.07
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD1	9	2.07
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD2	9	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG21	9	2.07
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG22	9	2.07
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG23	9	2.07
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG21	9	2.07
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG22	9	2.07
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG23	9	2.07
(1,1389)	1:42:A:LEU:H	1:39:A:LEU:HG	1	2.07
(1,1389)	1:42:A:LEU:H	1:39:A:LEU:HG	13	2.07
(1,1385)	1:41:A:SER:HA	1:44:A:THR:HB	7	2.07
(1,1385)	1:41:A:SER:HA	1:44:A:THR:HB	13	2.07
(1,1381)	1:40:A:ARG:HB2	1:43:A:ALA:H	5	2.07
(1,1381)	1:40:A:ARG:HB3	1:43:A:ALA:H	5	2.07
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG11	12	2.07
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG12	12	2.07
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG13	12	2.07
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD21	13	2.07
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD22	13	2.07
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD23	13	2.07
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD21	5	2.07
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD22	5	2.07
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD23	5	2.07
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD21	6	2.07
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD22	6	2.07
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD23	6	2.07
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG21	2	2.07
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG22	2	2.07
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG23	2	2.07
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG21	2	2.07
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG22	2	2.07
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG23	2	2.07
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG21	7	2.07
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG22	7	2.07
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG23	7	2.07
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG21	7	2.07
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG22	7	2.07
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG23	7	2.07
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG21	10	2.07
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG22	10	2.07
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG23	10	2.07
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG21	10	2.07
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG22	10	2.07
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG23	10	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1256)	1:10:A:LEU:HA	1:12:A:VAL:H	4	2.07
(1,1256)	1:10:A:LEU:HA	1:12:A:VAL:H	14	2.07
(1,1254)	1:10:A:LEU:H	1:9:A:LEU:HG	2	2.07
(1,1254)	1:10:A:LEU:H	1:9:A:LEU:HG	13	2.07
(1,1249)	1:8:A:GLU:HB2	1:5:A:GLY:H	3	2.07
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD11	2	2.07
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD12	2	2.07
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD13	2	2.07
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD11	3	2.07
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD12	3	2.07
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD13	3	2.07
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD11	6	2.07
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD12	6	2.07
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD13	6	2.07
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD11	14	2.07
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD12	14	2.07
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD13	14	2.07
(4,138)	1:56:A:LEU:O	1:60:A:GLN:N	4	2.06
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD21	4	2.06
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD22	4	2.06
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD23	4	2.06
(1,2239)	1:103:A:GLU:H	1:100:A:ASP:H	4	2.06
(1,2152)	1:91:A:SER:HA	1:92:A:MET:HB3	8	2.06
(1,2152)	1:91:A:SER:HA	1:92:A:MET:HB3	9	2.06
(1,2152)	1:91:A:SER:HA	1:92:A:MET:HB3	13	2.06
(1,2121)	1:86:A:ARG:HA	1:88:A:ALA:H	1	2.06
(1,2121)	1:86:A:ARG:HA	1:88:A:ALA:H	2	2.06
(1,2121)	1:86:A:ARG:HA	1:88:A:ALA:H	3	2.06
(1,2121)	1:86:A:ARG:HA	1:88:A:ALA:H	4	2.06
(1,2121)	1:86:A:ARG:HA	1:88:A:ALA:H	6	2.06
(1,2121)	1:86:A:ARG:HA	1:88:A:ALA:H	9	2.06
(1,2121)	1:86:A:ARG:HA	1:88:A:ALA:H	10	2.06
(1,2121)	1:86:A:ARG:HA	1:88:A:ALA:H	12	2.06
(1,2121)	1:86:A:ARG:HA	1:88:A:ALA:H	14	2.06
(1,2121)	1:86:A:ARG:HA	1:88:A:ALA:H	15	2.06
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE1	2	2.06
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE2	2	2.06
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE3	2	2.06
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE1	4	2.06
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE2	4	2.06
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE3	4	2.06
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE1	5	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE2	5	2.06
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE3	5	2.06
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE1	10	2.06
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE2	10	2.06
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE3	10	2.06
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE1	11	2.06
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE2	11	2.06
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE3	11	2.06
(1,2087)	1:83:A:ASP:HA	1:86:A:ARG:HE	14	2.06
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG21	7	2.06
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG22	7	2.06
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG23	7	2.06
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG21	8	2.06
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG22	8	2.06
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG23	8	2.06
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB1	15	2.06
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB2	15	2.06
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB3	15	2.06
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB1	15	2.06
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB2	15	2.06
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB3	15	2.06
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD21	13	2.06
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD22	13	2.06
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD23	13	2.06
(1,1971)	1:71:A:LEU:H	1:67:A:GLU:HB2	5	2.06
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE2	6	2.06
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE3	6	2.06
(1,1933)	1:65:A:LYS:H	1:68:A:LYS:H	5	2.06
(1,1918)	1:65:A:LYS:H	1:62:A:SER:HB2	3	2.06
(1,1904)	1:63:A:LEU:H	1:66:A:VAL:HB	3	2.06
(1,1904)	1:63:A:LEU:H	1:66:A:VAL:HB	11	2.06
(1,1814)	1:45:A:THR:HB	1:48:A:ASN:H	2	2.06
(1,1793)	1:43:A:ALA:H	1:41:A:SER:HA	2	2.06
(1,1793)	1:43:A:ALA:H	1:41:A:SER:HA	3	2.06
(1,1793)	1:43:A:ALA:H	1:41:A:SER:HA	13	2.06
(1,1784)	1:42:A:LEU:H	1:39:A:LEU:HB2	4	2.06
(1,1784)	1:42:A:LEU:H	1:39:A:LEU:HB2	13	2.06
(1,1784)	1:42:A:LEU:H	1:39:A:LEU:HB2	14	2.06
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD2	11	2.06
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD3	11	2.06
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB2	6	2.06
(1,1709)	1:24:A:ARG:H	1:22:A:PRO:HB3	6	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB2	1	2.06
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB3	1	2.06
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB2	10	2.06
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB3	10	2.06
(1,1618)	1:9:A:LEU:HA	1:12:A:VAL:HA	6	2.06
(1,1616)	1:8:A:GLU:H	1:10:A:LEU:H	9	2.06
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD11	11	2.06
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD12	11	2.06
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD13	11	2.06
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD21	11	2.06
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD22	11	2.06
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD23	11	2.06
(1,1561)	1:2:A:PHE:H	1:4:A:ILE:H	5	2.06
(1,1554)	1:2:A:PHE:HB2	1:4:A:ILE:HA	2	2.06
(1,1554)	1:2:A:PHE:HB2	1:4:A:ILE:HA	4	2.06
(1,1554)	1:2:A:PHE:HB2	1:4:A:ILE:HA	8	2.06
(1,1554)	1:2:A:PHE:HB2	1:4:A:ILE:HA	10	2.06
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE1	10	2.06
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE2	10	2.06
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE1	1	2.06
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE2	1	2.06
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE1	12	2.06
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE2	12	2.06
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD11	14	2.06
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD12	14	2.06
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD13	14	2.06
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD21	14	2.06
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD22	14	2.06
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD23	14	2.06
(1,1498)	1:85:A:LEU:H	1:83:A:ASP:H	3	2.06
(1,1498)	1:85:A:LEU:H	1:83:A:ASP:H	6	2.06
(1,1498)	1:85:A:LEU:H	1:83:A:ASP:H	9	2.06
(1,1498)	1:85:A:LEU:H	1:83:A:ASP:H	14	2.06
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG2	1	2.06
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG3	1	2.06
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG2	2	2.06
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG3	2	2.06
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG2	11	2.06
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG3	11	2.06
(1,1469)	1:73:A:ASN:H	1:70:A:SER:H	15	2.06
(1,1467)	1:72:A:THR:HA	1:74:A:LEU:HB2	1	2.06
(1,1467)	1:72:A:THR:HA	1:74:A:LEU:HB2	10	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1467)	1:72:A:THR:HA	1:74:A:LEU:HB2	11	2.06
(1,1467)	1:72:A:THR:HA	1:74:A:LEU:HB2	12	2.06
(1,1461)	1:70:A:SER:H	1:67:A:GLU:HB2	15	2.06
(1,1438)	1:58:A:GLU:H	1:62:A:SER:H	15	2.06
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD1	2	2.06
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD2	2	2.06
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE21	12	2.06
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE22	12	2.06
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG21	8	2.06
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG22	8	2.06
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG23	8	2.06
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG21	8	2.06
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG22	8	2.06
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG23	8	2.06
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG21	10	2.06
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG22	10	2.06
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG23	10	2.06
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG21	10	2.06
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG22	10	2.06
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG23	10	2.06
(1,1389)	1:42:A:LEU:H	1:39:A:LEU:HG	14	2.06
(1,1385)	1:41:A:SER:HA	1:44:A:THR:HB	1	2.06
(1,1385)	1:41:A:SER:HA	1:44:A:THR:HB	6	2.06
(1,1381)	1:40:A:ARG:HB2	1:43:A:ALA:H	6	2.06
(1,1381)	1:40:A:ARG:HB3	1:43:A:ALA:H	6	2.06
(1,1381)	1:40:A:ARG:HB2	1:43:A:ALA:H	13	2.06
(1,1381)	1:40:A:ARG:HB3	1:43:A:ALA:H	13	2.06
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG11	12	2.06
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG12	12	2.06
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG13	12	2.06
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG11	12	2.06
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG12	12	2.06
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG13	12	2.06
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG11	12	2.06
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG12	12	2.06
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG13	12	2.06
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG11	11	2.06
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG12	11	2.06
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG13	11	2.06
(1,1308)	1:20:A:LEU:HD11	1:17:A:LEU:HA	13	2.06
(1,1308)	1:20:A:LEU:HD12	1:17:A:LEU:HA	13	2.06
(1,1308)	1:20:A:LEU:HD13	1:17:A:LEU:HA	13	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG21	2	2.06
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG22	2	2.06
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG23	2	2.06
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG21	4	2.06
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG22	4	2.06
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG23	4	2.06
(1,1294)	1:17:A:LEU:H	1:18:A:VAL:HB	13	2.06
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD21	11	2.06
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD22	11	2.06
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD23	11	2.06
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD11	6	2.06
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD12	6	2.06
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD13	6	2.06
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG21	2	2.06
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG22	2	2.06
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG23	2	2.06
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG21	2	2.06
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG22	2	2.06
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG23	2	2.06
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG21	6	2.06
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG22	6	2.06
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG23	6	2.06
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG11	5	2.06
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG12	5	2.06
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG13	5	2.06
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG11	6	2.06
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG12	6	2.06
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG13	6	2.06
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG21	4	2.06
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG22	4	2.06
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG23	4	2.06
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG21	4	2.06
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG22	4	2.06
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG23	4	2.06
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG21	14	2.06
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG22	14	2.06
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG23	14	2.06
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG21	14	2.06
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG22	14	2.06
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG23	14	2.06
(1,1256)	1:10:A:LEU:HA	1:12:A:VAL:H	2	2.06
(1,1256)	1:10:A:LEU:HA	1:12:A:VAL:H	10	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG21	13	2.06
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG22	13	2.06
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG23	13	2.06
(1,1254)	1:10:A:LEU:H	1:9:A:LEU:HG	4	2.06
(1,1254)	1:10:A:LEU:H	1:9:A:LEU:HG	10	2.06
(1,1254)	1:10:A:LEU:H	1:9:A:LEU:HG	14	2.06
(1,1249)	1:8:A:GLU:HB2	1:5:A:GLY:H	8	2.06
(1,1246)	1:4:A:ILE:HD11	1:7:A:SER:HB2	13	2.06
(1,1246)	1:4:A:ILE:HD11	1:7:A:SER:HB3	13	2.06
(1,1246)	1:4:A:ILE:HD12	1:7:A:SER:HB2	13	2.06
(1,1246)	1:4:A:ILE:HD12	1:7:A:SER:HB3	13	2.06
(1,1246)	1:4:A:ILE:HD13	1:7:A:SER:HB2	13	2.06
(1,1246)	1:4:A:ILE:HD13	1:7:A:SER:HB3	13	2.06
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD11	4	2.06
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD12	4	2.06
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD13	4	2.06
(4,138)	1:56:A:LEU:O	1:60:A:GLN:N	6	2.05
(1,2241)	1:103:A:GLU:HB2	1:102:A:LEU:HG	11	2.05
(1,2241)	1:103:A:GLU:HB3	1:102:A:LEU:HG	11	2.05
(1,2232)	1:101:A:PRO:HA	1:102:A:LEU:HG	9	2.05
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD1	5	2.05
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD2	5	2.05
(1,2198)	1:96:A:TYR:H	1:100:A:ASP:H	12	2.05
(1,2196)	1:96:A:TYR:HA	1:99:A:ASN:HB2	7	2.05
(1,2196)	1:96:A:TYR:HA	1:99:A:ASN:HB3	7	2.05
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG11	1	2.05
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG12	1	2.05
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG13	1	2.05
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG11	1	2.05
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG12	1	2.05
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG13	1	2.05
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG21	1	2.05
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG22	1	2.05
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG23	1	2.05
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG21	8	2.05
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG22	8	2.05
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG23	8	2.05
(1,2152)	1:91:A:SER:HA	1:92:A:MET:HB3	2	2.05
(1,2152)	1:91:A:SER:HA	1:92:A:MET:HB3	10	2.05
(1,2121)	1:86:A:ARG:HA	1:88:A:ALA:H	5	2.05
(1,2121)	1:86:A:ARG:HA	1:88:A:ALA:H	7	2.05
(1,2121)	1:86:A:ARG:HA	1:88:A:ALA:H	8	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2121)	1:86:A:ARG:HA	1:88:A:ALA:H	11	2.05
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE1	1	2.05
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE2	1	2.05
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE3	1	2.05
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE1	12	2.05
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE2	12	2.05
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE3	12	2.05
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD2	14	2.05
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD3	14	2.05
(1,2020)	1:76:A:PRO:HA	1:79:A:LYS:HB3	13	2.05
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD21	11	2.05
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD22	11	2.05
(1,1948)	1:67:A:GLU:HG3	1:70:A:SER:HB2	9	2.05
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG2	2	2.05
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG3	2	2.05
(1,1918)	1:65:A:LYS:H	1:62:A:SER:HB2	4	2.05
(1,1918)	1:65:A:LYS:H	1:62:A:SER:HB2	5	2.05
(1,1904)	1:63:A:LEU:H	1:66:A:VAL:HB	1	2.05
(1,1904)	1:63:A:LEU:H	1:66:A:VAL:HB	2	2.05
(1,1904)	1:63:A:LEU:H	1:66:A:VAL:HB	4	2.05
(1,1904)	1:63:A:LEU:H	1:66:A:VAL:HB	12	2.05
(1,1904)	1:63:A:LEU:H	1:66:A:VAL:HB	14	2.05
(1,1890)	1:62:A:SER:H	1:60:A:GLN:H	10	2.05
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG2	7	2.05
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG3	7	2.05
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG2	10	2.05
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG3	10	2.05
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB2	2	2.05
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB3	2	2.05
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB2	12	2.05
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB3	12	2.05
(1,1806)	1:45:A:THR:H	1:44:A:THR:HB	11	2.05
(1,1793)	1:43:A:ALA:H	1:41:A:SER:HA	6	2.05
(1,1793)	1:43:A:ALA:H	1:41:A:SER:HA	7	2.05
(1,1784)	1:42:A:LEU:H	1:39:A:LEU:HB2	12	2.05
(1,1784)	1:42:A:LEU:H	1:39:A:LEU:HB2	15	2.05
(1,1740)	1:30:A:LYS:HG2	1:31:A:THR:H	12	2.05
(1,1740)	1:30:A:LYS:HG2	1:31:A:THR:H	13	2.05
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB2	2	2.05
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB3	2	2.05
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB2	15	2.05
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB3	15	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1645)	1:13:A:PHE:HD1	1:17:A:LEU:HG	12	2.05
(1,1645)	1:13:A:PHE:HD2	1:17:A:LEU:HG	12	2.05
(1,1616)	1:8:A:GLU:H	1:10:A:LEU:H	4	2.05
(1,1616)	1:8:A:GLU:H	1:10:A:LEU:H	7	2.05
(1,1616)	1:8:A:GLU:H	1:10:A:LEU:H	10	2.05
(1,1616)	1:8:A:GLU:H	1:10:A:LEU:H	14	2.05
(1,1610)	1:8:A:GLU:HB3	1:7:A:SER:HB2	13	2.05
(1,1598)	1:6:A:PHE:HD1	1:9:A:LEU:HB3	12	2.05
(1,1598)	1:6:A:PHE:HD2	1:9:A:LEU:HB3	12	2.05
(1,1561)	1:2:A:PHE:H	1:4:A:ILE:H	12	2.05
(1,1554)	1:2:A:PHE:HB2	1:4:A:ILE:HA	6	2.05
(1,1554)	1:2:A:PHE:HB2	1:4:A:ILE:HA	12	2.05
(1,1543)	1:1:A:MET:HE1	1:3:A:ASP:H	15	2.05
(1,1543)	1:1:A:MET:HE2	1:3:A:ASP:H	15	2.05
(1,1543)	1:1:A:MET:HE3	1:3:A:ASP:H	15	2.05
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE1	4	2.05
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE2	4	2.05
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE1	5	2.05
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE2	5	2.05
(1,1505)	1:86:A:ARG:HB2	1:89:A:ALA:H	14	2.05
(1,1505)	1:86:A:ARG:HB3	1:89:A:ALA:H	14	2.05
(1,1498)	1:85:A:LEU:H	1:83:A:ASP:H	8	2.05
(1,1498)	1:85:A:LEU:H	1:83:A:ASP:H	15	2.05
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG2	7	2.05
(1,1491)	1:82:A:MET:H	1:79:A:LYS:HG3	7	2.05
(1,1467)	1:72:A:THR:HA	1:74:A:LEU:HB2	2	2.05
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD1	14	2.05
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD2	14	2.05
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG11	1	2.05
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG12	1	2.05
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG13	1	2.05
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG2	8	2.05
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG3	8	2.05
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG2	8	2.05
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG3	8	2.05
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG2	8	2.05
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG3	8	2.05
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG2	9	2.05
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG3	9	2.05
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG2	9	2.05
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG3	9	2.05
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG2	9	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG3	9	2.05
(1,1389)	1:42:A:LEU:H	1:39:A:LEU:HG	15	2.05
(1,1385)	1:41:A:SER:HA	1:44:A:THR:HB	4	2.05
(1,1385)	1:41:A:SER:HA	1:44:A:THR:HB	14	2.05
(1,1382)	1:41:A:SER:H	1:38:A:ALA:HA	15	2.05
(1,1381)	1:40:A:ARG:HB2	1:43:A:ALA:H	4	2.05
(1,1381)	1:40:A:ARG:HB3	1:43:A:ALA:H	4	2.05
(1,1381)	1:40:A:ARG:HB2	1:43:A:ALA:H	12	2.05
(1,1381)	1:40:A:ARG:HB3	1:43:A:ALA:H	12	2.05
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG21	5	2.05
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG22	5	2.05
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG23	5	2.05
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG21	6	2.05
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG22	6	2.05
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG23	6	2.05
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG21	10	2.05
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG22	10	2.05
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG23	10	2.05
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG21	14	2.05
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG22	14	2.05
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG23	14	2.05
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD21	13	2.05
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD22	13	2.05
(1,1296)	1:17:A:LEU:H	1:20:A:LEU:HD23	13	2.05
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD21	12	2.05
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD22	12	2.05
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD23	12	2.05
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB2	13	2.05
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	13	2.05
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB2	13	2.05
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	13	2.05
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB2	13	2.05
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	13	2.05
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG21	1	2.05
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG22	1	2.05
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG23	1	2.05
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG21	1	2.05
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG22	1	2.05
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG23	1	2.05
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG21	10	2.05
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG22	10	2.05
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG23	10	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG21	10	2.05
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG22	10	2.05
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG23	10	2.05
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG21	5	2.05
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG22	5	2.05
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG23	5	2.05
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD11	7	2.05
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD12	7	2.05
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD13	7	2.05
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD11	8	2.05
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD12	8	2.05
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD13	8	2.05
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD11	8	2.05
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD12	8	2.05
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD13	8	2.05
(1,1256)	1:10:A:LEU:HA	1:12:A:VAL:H	1	2.05
(1,1256)	1:10:A:LEU:HA	1:12:A:VAL:H	12	2.05
(1,1254)	1:10:A:LEU:H	1:9:A:LEU:HG	9	2.05
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD11	5	2.05
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD12	5	2.05
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD13	5	2.05
(4,138)	1:56:A:LEU:O	1:60:A:GLN:N	3	2.04
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD11	4	2.04
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD12	4	2.04
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD13	4	2.04
(1,2242)	1:103:A:GLU:HG3	1:102:A:LEU:HA	12	2.04
(1,2242)	1:103:A:GLU:HG3	1:102:A:LEU:HA	13	2.04
(1,2242)	1:103:A:GLU:HG3	1:102:A:LEU:HA	15	2.04
(1,2211)	1:97:A:VAL:H	1:100:A:ASP:H	12	2.04
(1,2210)	1:97:A:VAL:HA	1:100:A:ASP:H	11	2.04
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD11	10	2.04
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD12	10	2.04
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD13	10	2.04
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD11	10	2.04
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD12	10	2.04
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD13	10	2.04
(1,2198)	1:96:A:TYR:H	1:100:A:ASP:H	3	2.04
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG11	14	2.04
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG12	14	2.04
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG13	14	2.04
(1,2152)	1:91:A:SER:HA	1:92:A:MET:HB3	4	2.04
(1,2152)	1:91:A:SER:HA	1:92:A:MET:HB3	12	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2152)	1:91:A:SER:HA	1:92:A:MET:HB3	15	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD11	4	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD12	4	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD13	4	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD21	4	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD22	4	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD23	4	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD11	6	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD12	6	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD13	6	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD21	6	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD22	6	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD23	6	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD11	8	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD12	8	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD13	8	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD21	8	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD22	8	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD23	8	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD11	9	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD12	9	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD13	9	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD21	9	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD22	9	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD23	9	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD11	13	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD12	13	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD13	13	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD21	13	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD22	13	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD23	13	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD11	15	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD12	15	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD13	15	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD21	15	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD22	15	2.04
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD23	15	2.04
(1,1995)	1:73:A:ASN:HA	1:72:A:THR:H	4	2.04
(1,1995)	1:73:A:ASN:HA	1:72:A:THR:H	14	2.04
(1,1955)	1:68:A:LYS:HG2	1:69:A:ALA:H	11	2.04
(1,1953)	1:68:A:LYS:HG3	1:67:A:GLU:HB2	2	2.04
(1,1953)	1:68:A:LYS:HG3	1:67:A:GLU:HB2	10	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1948)	1:67:A:GLU:HG3	1:70:A:SER:HB2	4	2.04
(1,1948)	1:67:A:GLU:HG3	1:70:A:SER:HB2	11	2.04
(1,1918)	1:65:A:LYS:H	1:62:A:SER:HB2	1	2.04
(1,1918)	1:65:A:LYS:H	1:62:A:SER:HB2	11	2.04
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD11	10	2.04
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD12	10	2.04
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD13	10	2.04
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD11	10	2.04
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD12	10	2.04
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD13	10	2.04
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD1	5	2.04
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD2	5	2.04
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG2	11	2.04
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG3	11	2.04
(1,1814)	1:45:A:THR:HB	1:48:A:ASN:H	8	2.04
(1,1814)	1:45:A:THR:HB	1:48:A:ASN:H	9	2.04
(1,1814)	1:45:A:THR:HB	1:48:A:ASN:H	15	2.04
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG11	12	2.04
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG12	12	2.04
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG13	12	2.04
(1,1793)	1:43:A:ALA:H	1:41:A:SER:HA	12	2.04
(1,1789)	1:42:A:LEU:H	1:44:A:THR:H	11	2.04
(1,1784)	1:42:A:LEU:H	1:39:A:LEU:HB2	7	2.04
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD11	2	2.04
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD12	2	2.04
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD13	2	2.04
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD21	2	2.04
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD22	2	2.04
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD23	2	2.04
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD11	11	2.04
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD12	11	2.04
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD13	11	2.04
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD21	11	2.04
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD22	11	2.04
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD23	11	2.04
(1,1740)	1:30:A:LYS:HG2	1:31:A:THR:H	2	2.04
(1,1740)	1:30:A:LYS:HG2	1:31:A:THR:H	3	2.04
(1,1740)	1:30:A:LYS:HG2	1:31:A:THR:H	4	2.04
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB2	8	2.04
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB3	8	2.04
(1,1616)	1:8:A:GLU:H	1:10:A:LEU:H	2	2.04
(1,1616)	1:8:A:GLU:H	1:10:A:LEU:H	11	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD11	5	2.04
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD12	5	2.04
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD13	5	2.04
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD21	5	2.04
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD22	5	2.04
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD23	5	2.04
(1,1598)	1:6:A:PHE:HD1	1:9:A:LEU:HB3	11	2.04
(1,1598)	1:6:A:PHE:HD2	1:9:A:LEU:HB3	11	2.04
(1,1582)	1:4:A:ILE:HD11	1:6:A:PHE:H	11	2.04
(1,1582)	1:4:A:ILE:HD12	1:6:A:PHE:H	11	2.04
(1,1582)	1:4:A:ILE:HD13	1:6:A:PHE:H	11	2.04
(1,1561)	1:2:A:PHE:H	1:4:A:ILE:H	7	2.04
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE1	2	2.04
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE2	2	2.04
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE3	2	2.04
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE1	2	2.04
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE2	2	2.04
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE3	2	2.04
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE1	6	2.04
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE2	6	2.04
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE3	6	2.04
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE1	6	2.04
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE2	6	2.04
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE3	6	2.04
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE1	12	2.04
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE2	12	2.04
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE3	12	2.04
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE1	12	2.04
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE2	12	2.04
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE3	12	2.04
(1,1544)	1:1:A:MET:HA	1:3:A:ASP:H	7	2.04
(1,1544)	1:1:A:MET:HA	1:3:A:ASP:H	10	2.04
(1,1543)	1:1:A:MET:HE1	1:3:A:ASP:H	4	2.04
(1,1543)	1:1:A:MET:HE2	1:3:A:ASP:H	4	2.04
(1,1543)	1:1:A:MET:HE3	1:3:A:ASP:H	4	2.04
(1,1540)	1:103:A:GLU:H	1:101:A:PRO:HA	7	2.04
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG21	10	2.04
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG22	10	2.04
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG23	10	2.04
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG21	10	2.04
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG22	10	2.04
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG23	10	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE1	2	2.04
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE2	2	2.04
(1,1505)	1:86:A:ARG:HB2	1:89:A:ALA:H	3	2.04
(1,1505)	1:86:A:ARG:HB3	1:89:A:ALA:H	3	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD11	1	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD12	1	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD13	1	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD21	1	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD22	1	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD23	1	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD11	3	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD12	3	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD13	3	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD21	3	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD22	3	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD23	3	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD11	5	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD12	5	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD13	5	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD21	5	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD22	5	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD23	5	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD11	8	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD12	8	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD13	8	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD21	8	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD22	8	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD23	8	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD11	10	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD12	10	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD13	10	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD21	10	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD22	10	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD23	10	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD11	11	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD12	11	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD13	11	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD21	11	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD22	11	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD23	11	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD11	12	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD12	12	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD13	12	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD21	12	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD22	12	2.04
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD23	12	2.04
(1,1498)	1:85:A:LEU:H	1:83:A:ASP:H	4	2.04
(1,1498)	1:85:A:LEU:H	1:83:A:ASP:H	5	2.04
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD2	14	2.04
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD3	14	2.04
(1,1438)	1:58:A:GLU:H	1:62:A:SER:H	5	2.04
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD1	13	2.04
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD2	13	2.04
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG21	15	2.04
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG22	15	2.04
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG23	15	2.04
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG21	15	2.04
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG22	15	2.04
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG23	15	2.04
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB1	15	2.04
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB2	15	2.04
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB3	15	2.04
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB1	15	2.04
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB2	15	2.04
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB3	15	2.04
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB1	15	2.04
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB2	15	2.04
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB3	15	2.04
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB1	4	2.04
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB2	4	2.04
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB3	4	2.04
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB1	15	2.04
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB2	15	2.04
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB3	15	2.04
(1,1382)	1:41:A:SER:H	1:38:A:ALA:HA	10	2.04
(1,1382)	1:41:A:SER:H	1:38:A:ALA:HA	13	2.04
(1,1382)	1:41:A:SER:H	1:38:A:ALA:HA	14	2.04
(1,1381)	1:40:A:ARG:HB2	1:43:A:ALA:H	8	2.04
(1,1381)	1:40:A:ARG:HB3	1:43:A:ALA:H	8	2.04
(1,1381)	1:40:A:ARG:HB2	1:43:A:ALA:H	9	2.04
(1,1381)	1:40:A:ARG:HB3	1:43:A:ALA:H	9	2.04
(1,1381)	1:40:A:ARG:HB2	1:43:A:ALA:H	11	2.04
(1,1381)	1:40:A:ARG:HB3	1:43:A:ALA:H	11	2.04
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG11	7	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG12	7	2.04
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG13	7	2.04
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG11	8	2.04
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG12	8	2.04
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG13	8	2.04
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG11	9	2.04
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG12	9	2.04
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG13	9	2.04
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG11	15	2.04
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG12	15	2.04
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG13	15	2.04
(1,1292)	1:17:A:LEU:H	1:14:A:ILE:HB	2	2.04
(1,1292)	1:17:A:LEU:H	1:14:A:ILE:HB	5	2.04
(1,1292)	1:17:A:LEU:H	1:14:A:ILE:HB	6	2.04
(1,1292)	1:17:A:LEU:H	1:14:A:ILE:HB	9	2.04
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG21	9	2.04
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG22	9	2.04
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG23	9	2.04
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG21	9	2.04
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG22	9	2.04
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG23	9	2.04
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD11	4	2.04
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD12	4	2.04
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD13	4	2.04
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD11	4	2.04
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD12	4	2.04
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD13	4	2.04
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD11	14	2.04
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD12	14	2.04
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD13	14	2.04
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD11	14	2.04
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD12	14	2.04
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD13	14	2.04
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG21	15	2.04
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG22	15	2.04
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG23	15	2.04
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG21	15	2.04
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG22	15	2.04
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG23	15	2.04
(1,1254)	1:10:A:LEU:H	1:9:A:LEU:HG	1	2.04
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD1	4	2.04
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD2	4	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD1	9	2.04
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD2	9	2.04
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD1	14	2.04
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD2	14	2.04
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD11	7	2.04
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD12	7	2.04
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD13	7	2.04
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD11	12	2.04
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD12	12	2.04
(1,1245)	1:2:A:PHE:HZ	1:4:A:ILE:HD13	12	2.04
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD11	2	2.03
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD12	2	2.03
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD13	2	2.03
(1,2198)	1:96:A:TYR:H	1:100:A:ASP:H	14	2.03
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG11	15	2.03
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG12	15	2.03
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG13	15	2.03
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG11	15	2.03
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG12	15	2.03
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG13	15	2.03
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD1	7	2.03
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD2	7	2.03
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD1	7	2.03
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD2	7	2.03
(1,2153)	1:91:A:SER:HA	1:93:A:LYS:H	1	2.03
(1,2152)	1:91:A:SER:HA	1:92:A:MET:HB3	5	2.03
(1,2152)	1:91:A:SER:HA	1:92:A:MET:HB3	11	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD11	1	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD12	1	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD13	1	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD21	1	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD22	1	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD23	1	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD11	2	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD12	2	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD13	2	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD21	2	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD22	2	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD23	2	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD11	3	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD12	3	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD13	3	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD21	3	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD22	3	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD23	3	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD11	5	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD12	5	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD13	5	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD21	5	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD22	5	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD23	5	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD11	7	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD12	7	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD13	7	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD21	7	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD22	7	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD23	7	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD11	10	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD12	10	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD13	10	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD21	10	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD22	10	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD23	10	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD11	11	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD12	11	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD13	11	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD21	11	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD22	11	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD23	11	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD11	12	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD12	12	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD13	12	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD21	12	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD22	12	2.03
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD23	12	2.03
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD2	3	2.03
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD3	3	2.03
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD2	7	2.03
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD3	7	2.03
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD2	8	2.03
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD3	8	2.03
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD2	13	2.03
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD3	13	2.03
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD11	7	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD12	7	2.03
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD13	7	2.03
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE1	15	2.03
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE2	15	2.03
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE3	15	2.03
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG21	4	2.03
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG22	4	2.03
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG23	4	2.03
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG21	14	2.03
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG22	14	2.03
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG23	14	2.03
(1,1971)	1:71:A:LEU:H	1:67:A:GLU:HB2	11	2.03
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD21	1	2.03
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD22	1	2.03
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD21	4	2.03
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD22	4	2.03
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD21	10	2.03
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD22	10	2.03
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD21	12	2.03
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD22	12	2.03
(1,1953)	1:68:A:LYS:HG3	1:67:A:GLU:HB2	1	2.03
(1,1953)	1:68:A:LYS:HG3	1:67:A:GLU:HB2	12	2.03
(1,1948)	1:67:A:GLU:HG3	1:70:A:SER:HB2	2	2.03
(1,1948)	1:67:A:GLU:HG3	1:70:A:SER:HB2	14	2.03
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD2	9	2.03
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD3	9	2.03
(1,1918)	1:65:A:LYS:H	1:62:A:SER:HB2	14	2.03
(1,1918)	1:65:A:LYS:H	1:62:A:SER:HB2	15	2.03
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD1	6	2.03
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD2	6	2.03
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB2	10	2.03
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB3	10	2.03
(1,1847)	1:73:A:ASN:H	1:71:A:LEU:H	6	2.03
(1,1847)	1:73:A:ASN:H	1:71:A:LEU:H	8	2.03
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG11	11	2.03
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG12	11	2.03
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG13	11	2.03
(1,1793)	1:43:A:ALA:H	1:41:A:SER:HA	1	2.03
(1,1793)	1:43:A:ALA:H	1:41:A:SER:HA	4	2.03
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG21	3	2.03
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG22	3	2.03
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG23	3	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG21	3	2.03
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG22	3	2.03
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG23	3	2.03
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD2	2	2.03
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD3	2	2.03
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD2	10	2.03
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD3	10	2.03
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD11	1	2.03
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD12	1	2.03
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD13	1	2.03
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD21	1	2.03
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD22	1	2.03
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD23	1	2.03
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD11	4	2.03
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD12	4	2.03
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD13	4	2.03
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD21	4	2.03
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD22	4	2.03
(1,1773)	1:38:A:ALA:H	1:39:A:LEU:HD23	4	2.03
(1,1740)	1:30:A:LYS:HG2	1:31:A:THR:H	5	2.03
(1,1740)	1:30:A:LYS:HG2	1:31:A:THR:H	6	2.03
(1,1740)	1:30:A:LYS:HG2	1:31:A:THR:H	7	2.03
(1,1740)	1:30:A:LYS:HG2	1:31:A:THR:H	8	2.03
(1,1740)	1:30:A:LYS:HG2	1:31:A:THR:H	9	2.03
(1,1740)	1:30:A:LYS:HG2	1:31:A:THR:H	14	2.03
(1,1740)	1:30:A:LYS:HG2	1:31:A:THR:H	15	2.03
(1,1705)	1:22:A:PRO:HD3	1:24:A:ARG:H	9	2.03
(1,1705)	1:22:A:PRO:HD3	1:24:A:ARG:H	11	2.03
(1,1705)	1:22:A:PRO:HD3	1:24:A:ARG:H	13	2.03
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB2	3	2.03
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB3	3	2.03
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB2	7	2.03
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB3	7	2.03
(1,1616)	1:8:A:GLU:H	1:10:A:LEU:H	1	2.03
(1,1616)	1:8:A:GLU:H	1:10:A:LEU:H	12	2.03
(1,1610)	1:8:A:GLU:HB3	1:7:A:SER:HB2	11	2.03
(1,1610)	1:8:A:GLU:HB3	1:7:A:SER:HB2	12	2.03
(1,1610)	1:8:A:GLU:HB3	1:7:A:SER:HB2	15	2.03
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG21	12	2.03
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG22	12	2.03
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG23	12	2.03
(1,1601)	1:6:A:PHE:HA	1:9:A:LEU:HG	1	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1561)	1:2:A:PHE:H	1:4:A:ILE:H	14	2.03
(1,1554)	1:2:A:PHE:HB2	1:4:A:ILE:HA	3	2.03
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE1	15	2.03
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE2	15	2.03
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE3	15	2.03
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE1	15	2.03
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE2	15	2.03
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE3	15	2.03
(1,1544)	1:1:A:MET:HA	1:3:A:ASP:H	5	2.03
(1,1544)	1:1:A:MET:HA	1:3:A:ASP:H	15	2.03
(1,1543)	1:1:A:MET:HE1	1:3:A:ASP:H	8	2.03
(1,1543)	1:1:A:MET:HE2	1:3:A:ASP:H	8	2.03
(1,1543)	1:1:A:MET:HE3	1:3:A:ASP:H	8	2.03
(1,1539)	1:102:A:LEU:HB2	1:101:A:PRO:HA	4	2.03
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD1	7	2.03
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD2	7	2.03
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD1	7	2.03
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD2	7	2.03
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE1	13	2.03
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE2	13	2.03
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE1	15	2.03
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE2	15	2.03
(1,1513)	1:90:A:GLU:HG2	1:93:A:LYS:H	14	2.03
(1,1513)	1:90:A:GLU:HG3	1:93:A:LYS:H	14	2.03
(1,1505)	1:86:A:ARG:HB2	1:89:A:ALA:H	1	2.03
(1,1505)	1:86:A:ARG:HB3	1:89:A:ALA:H	1	2.03
(1,1505)	1:86:A:ARG:HB2	1:89:A:ALA:H	5	2.03
(1,1505)	1:86:A:ARG:HB3	1:89:A:ALA:H	5	2.03
(1,1505)	1:86:A:ARG:HB2	1:89:A:ALA:H	6	2.03
(1,1505)	1:86:A:ARG:HB3	1:89:A:ALA:H	6	2.03
(1,1505)	1:86:A:ARG:HB2	1:89:A:ALA:H	8	2.03
(1,1505)	1:86:A:ARG:HB3	1:89:A:ALA:H	8	2.03
(1,1505)	1:86:A:ARG:HB2	1:89:A:ALA:H	10	2.03
(1,1505)	1:86:A:ARG:HB3	1:89:A:ALA:H	10	2.03
(1,1505)	1:86:A:ARG:HB2	1:89:A:ALA:H	11	2.03
(1,1505)	1:86:A:ARG:HB3	1:89:A:ALA:H	11	2.03
(1,1505)	1:86:A:ARG:HB2	1:89:A:ALA:H	12	2.03
(1,1505)	1:86:A:ARG:HB3	1:89:A:ALA:H	12	2.03
(1,1505)	1:86:A:ARG:HB2	1:89:A:ALA:H	15	2.03
(1,1505)	1:86:A:ARG:HB3	1:89:A:ALA:H	15	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD11	2	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD12	2	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD13	2	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD21	2	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD22	2	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD23	2	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD11	4	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD12	4	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD13	4	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD21	4	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD22	4	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD23	4	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD11	6	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD12	6	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD13	6	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD21	6	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD22	6	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD23	6	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD11	9	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD12	9	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD13	9	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD21	9	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD22	9	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD23	9	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD11	13	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD12	13	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD13	13	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD21	13	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD22	13	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD23	13	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD11	15	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD12	15	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD13	15	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD21	15	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD22	15	2.03
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD23	15	2.03
(1,1498)	1:85:A:LEU:H	1:83:A:ASP:H	2	2.03
(1,1498)	1:85:A:LEU:H	1:83:A:ASP:H	11	2.03
(1,1498)	1:85:A:LEU:H	1:83:A:ASP:H	12	2.03
(1,1496)	1:84:A:GLU:HB2	1:85:A:LEU:HG	6	2.03
(1,1496)	1:84:A:GLU:HB2	1:85:A:LEU:HG	9	2.03
(1,1496)	1:84:A:GLU:HB2	1:85:A:LEU:HG	15	2.03
(1,1484)	1:78:A:LEU:HG	1:81:A:SER:HB2	6	2.03
(1,1441)	1:60:A:GLN:H	1:56:A:LEU:H	4	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD1	4	2.03
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD2	4	2.03
(1,1385)	1:41:A:SER:HA	1:44:A:THR:HB	10	2.03
(1,1385)	1:41:A:SER:HA	1:44:A:THR:HB	12	2.03
(1,1381)	1:40:A:ARG:HB2	1:43:A:ALA:H	2	2.03
(1,1381)	1:40:A:ARG:HB3	1:43:A:ALA:H	2	2.03
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG11	13	2.03
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG12	13	2.03
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG13	13	2.03
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG11	13	2.03
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG12	13	2.03
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG13	13	2.03
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG11	13	2.03
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG12	13	2.03
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG13	13	2.03
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG11	3	2.03
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG12	3	2.03
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG13	3	2.03
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG11	4	2.03
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG12	4	2.03
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG13	4	2.03
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG11	5	2.03
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG12	5	2.03
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG13	5	2.03
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG11	10	2.03
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG12	10	2.03
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG13	10	2.03
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG11	14	2.03
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG12	14	2.03
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG13	14	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD21	1	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD22	1	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD23	1	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD21	3	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD22	3	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD23	3	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD21	4	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD22	4	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD23	4	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD21	5	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD22	5	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD23	5	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD21	6	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD22	6	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD23	6	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD21	7	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD22	7	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD23	7	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD21	8	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD22	8	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD23	8	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD21	9	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD22	9	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD23	9	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD21	10	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD22	10	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD23	10	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD21	14	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD22	14	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD23	14	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD21	15	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD22	15	2.03
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD23	15	2.03
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG21	1	2.03
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG22	1	2.03
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG23	1	2.03
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG21	8	2.03
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG22	8	2.03
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG23	8	2.03
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG21	9	2.03
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG22	9	2.03
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG23	9	2.03
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG21	12	2.03
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG22	12	2.03
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG23	12	2.03
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD21	13	2.03
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD22	13	2.03
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD23	13	2.03
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG21	8	2.03
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG22	8	2.03
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG23	8	2.03
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG21	8	2.03
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG22	8	2.03
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG23	8	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD11	15	2.03
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD12	15	2.03
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD13	15	2.03
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG11	4	2.03
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG12	4	2.03
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG13	4	2.03
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG11	14	2.03
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG12	14	2.03
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG13	14	2.03
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD1	2	2.03
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD2	2	2.03
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD1	10	2.03
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD2	10	2.03
(1,1249)	1:8:A:GLU:HB2	1:5:A:GLY:H	13	2.03
(1,1249)	1:8:A:GLU:HB2	1:5:A:GLY:H	15	2.03
(1,2242)	1:103:A:GLU:HG3	1:102:A:LEU:HA	5	2.02
(1,2241)	1:103:A:GLU:HB2	1:102:A:LEU:HG	1	2.02
(1,2241)	1:103:A:GLU:HB3	1:102:A:LEU:HG	1	2.02
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB1	6	2.02
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB2	6	2.02
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB3	6	2.02
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB1	6	2.02
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB2	6	2.02
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB3	6	2.02
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG11	5	2.02
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG12	5	2.02
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG13	5	2.02
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG11	5	2.02
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG12	5	2.02
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG13	5	2.02
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG11	13	2.02
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG12	13	2.02
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG13	13	2.02
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG11	13	2.02
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG12	13	2.02
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG13	13	2.02
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD1	6	2.02
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD2	6	2.02
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD1	6	2.02
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD2	6	2.02
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG21	14	2.02
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG22	14	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG23	14	2.02
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE2	4	2.02
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE3	4	2.02
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE2	10	2.02
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE3	10	2.02
(1,2153)	1:91:A:SER:HA	1:93:A:LYS:H	6	2.02
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD11	14	2.02
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD12	14	2.02
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD13	14	2.02
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD21	14	2.02
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD22	14	2.02
(1,2103)	1:84:A:GLU:HG2	1:85:A:LEU:HD23	14	2.02
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD2	4	2.02
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD3	4	2.02
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD2	5	2.02
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD3	5	2.02
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD2	9	2.02
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD3	9	2.02
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD2	11	2.02
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD3	11	2.02
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD2	12	2.02
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD3	12	2.02
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD2	15	2.02
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD3	15	2.02
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE1	10	2.02
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE2	10	2.02
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE3	10	2.02
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG21	3	2.02
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG22	3	2.02
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG23	3	2.02
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG21	9	2.02
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG22	9	2.02
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG23	9	2.02
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG21	15	2.02
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG22	15	2.02
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG23	15	2.02
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG21	13	2.02
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG22	13	2.02
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG23	13	2.02
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD21	2	2.02
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD22	2	2.02
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD21	6	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD22	6	2.02
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD21	8	2.02
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD22	8	2.02
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD21	14	2.02
(1,1961)	1:69:A:ALA:HA	1:73:A:ASN:HD22	14	2.02
(1,1955)	1:68:A:LYS:HG2	1:69:A:ALA:H	9	2.02
(1,1937)	1:66:A:VAL:HA	1:69:A:ALA:HA	14	2.02
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE2	8	2.02
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE3	8	2.02
(1,1933)	1:65:A:LYS:H	1:68:A:LYS:H	15	2.02
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD2	7	2.02
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD3	7	2.02
(1,1918)	1:65:A:LYS:H	1:62:A:SER:HB2	6	2.02
(1,1918)	1:65:A:LYS:H	1:62:A:SER:HB2	9	2.02
(1,1918)	1:65:A:LYS:H	1:62:A:SER:HB2	13	2.02
(1,1899)	1:63:A:LEU:HB2	1:62:A:SER:HB2	9	2.02
(1,1885)	1:61:A:ASP:H	1:62:A:SER:HB3	2	2.02
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG2	12	2.02
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG3	12	2.02
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG2	4	2.02
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG3	4	2.02
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG2	5	2.02
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG3	5	2.02
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG2	7	2.02
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG3	7	2.02
(1,1814)	1:45:A:THR:HB	1:48:A:ASN:H	5	2.02
(1,1789)	1:42:A:LEU:H	1:44:A:THR:H	10	2.02
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD2	1	2.02
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD3	1	2.02
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD2	15	2.02
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD3	15	2.02
(1,1740)	1:30:A:LYS:HG2	1:31:A:THR:H	10	2.02
(1,1735)	1:29:A:VAL:HA	1:32:A:VAL:H	3	2.02
(1,1735)	1:29:A:VAL:HA	1:32:A:VAL:H	11	2.02
(1,1705)	1:22:A:PRO:HD3	1:24:A:ARG:H	1	2.02
(1,1705)	1:22:A:PRO:HD3	1:24:A:ARG:H	3	2.02
(1,1705)	1:22:A:PRO:HD3	1:24:A:ARG:H	4	2.02
(1,1705)	1:22:A:PRO:HD3	1:24:A:ARG:H	5	2.02
(1,1705)	1:22:A:PRO:HD3	1:24:A:ARG:H	7	2.02
(1,1705)	1:22:A:PRO:HD3	1:24:A:ARG:H	8	2.02
(1,1705)	1:22:A:PRO:HD3	1:24:A:ARG:H	10	2.02
(1,1705)	1:22:A:PRO:HD3	1:24:A:ARG:H	15	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1616)	1:8:A:GLU:H	1:10:A:LEU:H	5	2.02
(1,1616)	1:8:A:GLU:H	1:10:A:LEU:H	6	2.02
(1,1601)	1:6:A:PHE:HA	1:9:A:LEU:HG	2	2.02
(1,1601)	1:6:A:PHE:HA	1:9:A:LEU:HG	4	2.02
(1,1601)	1:6:A:PHE:HA	1:9:A:LEU:HG	9	2.02
(1,1601)	1:6:A:PHE:HA	1:9:A:LEU:HG	10	2.02
(1,1601)	1:6:A:PHE:HA	1:9:A:LEU:HG	14	2.02
(1,1561)	1:2:A:PHE:H	1:4:A:ILE:H	2	2.02
(1,1561)	1:2:A:PHE:H	1:4:A:ILE:H	4	2.02
(1,1561)	1:2:A:PHE:H	1:4:A:ILE:H	6	2.02
(1,1554)	1:2:A:PHE:HB2	1:4:A:ILE:HA	1	2.02
(1,1554)	1:2:A:PHE:HB2	1:4:A:ILE:HA	9	2.02
(1,1544)	1:1:A:MET:HA	1:3:A:ASP:H	13	2.02
(1,1543)	1:1:A:MET:HE1	1:3:A:ASP:H	1	2.02
(1,1543)	1:1:A:MET:HE2	1:3:A:ASP:H	1	2.02
(1,1543)	1:1:A:MET:HE3	1:3:A:ASP:H	1	2.02
(1,1543)	1:1:A:MET:HE1	1:3:A:ASP:H	9	2.02
(1,1543)	1:1:A:MET:HE2	1:3:A:ASP:H	9	2.02
(1,1543)	1:1:A:MET:HE3	1:3:A:ASP:H	9	2.02
(1,1543)	1:1:A:MET:HE1	1:3:A:ASP:H	10	2.02
(1,1543)	1:1:A:MET:HE2	1:3:A:ASP:H	10	2.02
(1,1543)	1:1:A:MET:HE3	1:3:A:ASP:H	10	2.02
(1,1539)	1:102:A:LEU:HB2	1:101:A:PRO:HA	2	2.02
(1,1538)	1:101:A:PRO:HG3	1:102:A:LEU:H	13	2.02
(1,1538)	1:101:A:PRO:HG3	1:102:A:LEU:H	15	2.02
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE1	2	2.02
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE2	2	2.02
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD1	6	2.02
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD2	6	2.02
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD1	6	2.02
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD2	6	2.02
(1,1518)	1:92:A:MET:HG3	1:91:A:SER:H	4	2.02
(1,1518)	1:92:A:MET:HG3	1:91:A:SER:H	10	2.02
(1,1518)	1:92:A:MET:HG3	1:91:A:SER:H	13	2.02
(1,1507)	1:87:A:GLN:HB2	1:90:A:GLU:H	7	2.02
(1,1507)	1:87:A:GLN:HB3	1:90:A:GLU:H	7	2.02
(1,1505)	1:86:A:ARG:HB2	1:89:A:ALA:H	2	2.02
(1,1505)	1:86:A:ARG:HB3	1:89:A:ALA:H	2	2.02
(1,1505)	1:86:A:ARG:HB2	1:89:A:ALA:H	4	2.02
(1,1505)	1:86:A:ARG:HB3	1:89:A:ALA:H	4	2.02
(1,1505)	1:86:A:ARG:HB2	1:89:A:ALA:H	9	2.02
(1,1505)	1:86:A:ARG:HB3	1:89:A:ALA:H	9	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1505)	1:86:A:ARG:HB2	1:89:A:ALA:H	13	2.02
(1,1505)	1:86:A:ARG:HB3	1:89:A:ALA:H	13	2.02
(1,1498)	1:85:A:LEU:H	1:83:A:ASP:H	1	2.02
(1,1498)	1:85:A:LEU:H	1:83:A:ASP:H	10	2.02
(1,1496)	1:84:A:GLU:HB2	1:85:A:LEU:HG	2	2.02
(1,1496)	1:84:A:GLU:HB2	1:85:A:LEU:HG	3	2.02
(1,1496)	1:84:A:GLU:HB2	1:85:A:LEU:HG	4	2.02
(1,1496)	1:84:A:GLU:HB2	1:85:A:LEU:HG	8	2.02
(1,1496)	1:84:A:GLU:HB2	1:85:A:LEU:HG	10	2.02
(1,1496)	1:84:A:GLU:HB2	1:85:A:LEU:HG	11	2.02
(1,1496)	1:84:A:GLU:HB2	1:85:A:LEU:HG	12	2.02
(1,1496)	1:84:A:GLU:HB2	1:85:A:LEU:HG	13	2.02
(1,1461)	1:70:A:SER:H	1:67:A:GLU:HB2	11	2.02
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD2	11	2.02
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD3	11	2.02
(1,1438)	1:58:A:GLU:H	1:62:A:SER:H	11	2.02
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD1	1	2.02
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD2	1	2.02
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD1	6	2.02
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD2	6	2.02
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG21	3	2.02
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG22	3	2.02
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG23	3	2.02
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG21	3	2.02
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG22	3	2.02
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG23	3	2.02
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB1	7	2.02
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB2	7	2.02
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB3	7	2.02
(1,1390)	1:42:A:LEU:H	1:40:A:ARG:HA	1	2.02
(1,1390)	1:42:A:LEU:H	1:40:A:ARG:HA	11	2.02
(1,1385)	1:41:A:SER:HA	1:44:A:THR:HB	11	2.02
(1,1382)	1:41:A:SER:H	1:38:A:ALA:HA	4	2.02
(1,1381)	1:40:A:ARG:HB2	1:43:A:ALA:H	10	2.02
(1,1381)	1:40:A:ARG:HB3	1:43:A:ALA:H	10	2.02
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG21	8	2.02
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG22	8	2.02
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG23	8	2.02
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB1	1	2.02
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB2	1	2.02
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB3	1	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG11	3	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG12	3	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG13	3	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG11	3	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG12	3	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG13	3	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG11	3	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG12	3	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG13	3	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG11	4	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG12	4	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG13	4	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG11	4	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG12	4	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG13	4	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG11	4	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG12	4	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG13	4	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG11	5	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG12	5	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG13	5	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG11	5	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG12	5	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG13	5	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG11	5	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG12	5	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG13	5	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG11	6	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG12	6	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG13	6	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG11	6	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG12	6	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG13	6	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG11	6	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG12	6	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG13	6	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG11	7	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG12	7	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG13	7	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG11	7	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG12	7	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG13	7	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG11	7	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG12	7	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG13	7	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG11	9	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG12	9	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG13	9	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG11	9	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG12	9	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG13	9	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG11	9	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG12	9	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG13	9	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG11	10	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG12	10	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG13	10	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG11	10	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG12	10	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG13	10	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG11	10	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG12	10	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG13	10	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG11	14	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG12	14	2.02
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG13	14	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG11	14	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG12	14	2.02
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG13	14	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG11	14	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG12	14	2.02
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG13	14	2.02
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG11	6	2.02
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG12	6	2.02
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG13	6	2.02
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG21	3	2.02
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG22	3	2.02
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG23	3	2.02
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG21	7	2.02
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG22	7	2.02
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG23	7	2.02
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG21	11	2.02
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG22	11	2.02
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG23	11	2.02
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG21	13	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG22	13	2.02
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG23	13	2.02
(1,1294)	1:17:A:LEU:H	1:18:A:VAL:HB	2	2.02
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD11	5	2.02
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD12	5	2.02
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD13	5	2.02
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG21	3	2.02
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG22	3	2.02
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG23	3	2.02
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG21	3	2.02
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG22	3	2.02
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG23	3	2.02
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG21	7	2.02
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG22	7	2.02
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG23	7	2.02
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG21	7	2.02
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG22	7	2.02
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG23	7	2.02
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG21	15	2.02
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG22	15	2.02
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG23	15	2.02
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG21	15	2.02
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG22	15	2.02
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG23	15	2.02
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG21	1	2.02
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG22	1	2.02
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG23	1	2.02
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG21	4	2.02
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG22	4	2.02
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG23	4	2.02
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG21	14	2.02
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG22	14	2.02
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG23	14	2.02
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD11	3	2.02
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD12	3	2.02
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD13	3	2.02
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG11	1	2.02
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG12	1	2.02
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG13	1	2.02
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG21	1	2.02
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG22	1	2.02
(1,1259)	1:10:A:LEU:HB2	1:14:A:ILE:HG23	1	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG21	1	2.02
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG22	1	2.02
(1,1259)	1:10:A:LEU:HB3	1:14:A:ILE:HG23	1	2.02
(1,2242)	1:103:A:GLU:HG3	1:102:A:LEU:HA	1	2.01
(1,2242)	1:103:A:GLU:HG3	1:102:A:LEU:HA	8	2.01
(1,2211)	1:97:A:VAL:H	1:100:A:ASP:H	1	2.01
(1,2211)	1:97:A:VAL:H	1:100:A:ASP:H	15	2.01
(1,2210)	1:97:A:VAL:HA	1:100:A:ASP:H	4	2.01
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD11	4	2.01
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD12	4	2.01
(1,2199)	1:96:A:TYR:H	1:102:A:LEU:HD13	4	2.01
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG11	11	2.01
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG12	11	2.01
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG13	11	2.01
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG11	11	2.01
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG12	11	2.01
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG13	11	2.01
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE1	4	2.01
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE2	4	2.01
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE3	4	2.01
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE1	4	2.01
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE2	4	2.01
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE3	4	2.01
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD1	3	2.01
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD2	3	2.01
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD1	3	2.01
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD2	3	2.01
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG21	12	2.01
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG22	12	2.01
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG23	12	2.01
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE2	9	2.01
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE3	9	2.01
(1,2153)	1:91:A:SER:HA	1:93:A:LYS:H	7	2.01
(1,2153)	1:91:A:SER:HA	1:93:A:LYS:H	9	2.01
(1,2098)	1:84:A:GLU:HG3	1:83:A:ASP:H	8	2.01
(1,2098)	1:84:A:GLU:HG2	1:83:A:ASP:H	8	2.01
(1,2098)	1:84:A:GLU:HG3	1:83:A:ASP:H	14	2.01
(1,2098)	1:84:A:GLU:HG2	1:83:A:ASP:H	14	2.01
(1,2087)	1:83:A:ASP:HA	1:86:A:ARG:HE	3	2.01
(1,2087)	1:83:A:ASP:HA	1:86:A:ARG:HE	4	2.01
(1,2087)	1:83:A:ASP:HA	1:86:A:ARG:HE	5	2.01
(1,2087)	1:83:A:ASP:HA	1:86:A:ARG:HE	6	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2087)	1:83:A:ASP:HA	1:86:A:ARG:HE	7	2.01
(1,2087)	1:83:A:ASP:HA	1:86:A:ARG:HE	8	2.01
(1,2087)	1:83:A:ASP:HA	1:86:A:ARG:HE	9	2.01
(1,2087)	1:83:A:ASP:HA	1:86:A:ARG:HE	11	2.01
(1,2087)	1:83:A:ASP:HA	1:86:A:ARG:HE	12	2.01
(1,2087)	1:83:A:ASP:HA	1:86:A:ARG:HE	13	2.01
(1,2087)	1:83:A:ASP:HA	1:86:A:ARG:HE	15	2.01
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD2	2	2.01
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD3	2	2.01
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD2	6	2.01
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD3	6	2.01
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD11	6	2.01
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD12	6	2.01
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD13	6	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE1	1	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE2	1	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE3	1	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE1	2	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE2	2	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE3	2	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE1	3	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE2	3	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE3	3	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE1	4	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE2	4	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE3	4	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE1	5	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE2	5	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE3	5	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE1	9	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE2	9	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE3	9	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE1	11	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE2	11	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE3	11	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE1	12	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE2	12	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE3	12	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE1	13	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE2	13	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE3	13	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE1	14	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE2	14	2.01
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE3	14	2.01
(1,2047)	1:79:A:LYS:H	1:80:A:ALA:HA	7	2.01
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG21	13	2.01
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG22	13	2.01
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG23	13	2.01
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG21	3	2.01
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG22	3	2.01
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG23	3	2.01
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG21	9	2.01
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG22	9	2.01
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG23	9	2.01
(1,1955)	1:68:A:LYS:HG2	1:69:A:ALA:H	3	2.01
(1,1948)	1:67:A:GLU:HG3	1:70:A:SER:HB2	12	2.01
(1,1937)	1:66:A:VAL:HA	1:69:A:ALA:HA	4	2.01
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE2	7	2.01
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE3	7	2.01
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE2	11	2.01
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE3	11	2.01
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE2	12	2.01
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE3	12	2.01
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE2	15	2.01
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE3	15	2.01
(1,1885)	1:61:A:ASP:H	1:62:A:SER:HB3	3	2.01
(1,1885)	1:61:A:ASP:H	1:62:A:SER:HB3	4	2.01
(1,1881)	1:61:A:ASP:HB2	1:60:A:GLN:HA	9	2.01
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD11	6	2.01
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD12	6	2.01
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD13	6	2.01
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD11	6	2.01
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD12	6	2.01
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD13	6	2.01
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD11	7	2.01
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD12	7	2.01
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD13	7	2.01
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD11	7	2.01
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD12	7	2.01
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD13	7	2.01
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD11	11	2.01
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD12	11	2.01
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD13	11	2.01
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD11	11	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD12	11	2.01
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD13	11	2.01
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD11	14	2.01
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD12	14	2.01
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD13	14	2.01
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD11	14	2.01
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD12	14	2.01
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD13	14	2.01
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD11	9	2.01
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD12	9	2.01
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD13	9	2.01
(1,1866)	1:56:A:LEU:HB2	1:60:A:GLN:HE21	12	2.01
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG2	3	2.01
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG3	3	2.01
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG2	6	2.01
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG3	6	2.01
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG2	8	2.01
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG3	8	2.01
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG21	2	2.01
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG22	2	2.01
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG23	2	2.01
(1,1793)	1:43:A:ALA:H	1:41:A:SER:HA	15	2.01
(1,1789)	1:42:A:LEU:H	1:44:A:THR:H	2	2.01
(1,1789)	1:42:A:LEU:H	1:44:A:THR:H	8	2.01
(1,1789)	1:42:A:LEU:H	1:44:A:THR:H	9	2.01
(1,1784)	1:42:A:LEU:H	1:39:A:LEU:HB2	6	2.01
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG21	12	2.01
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG22	12	2.01
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG23	12	2.01
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG21	12	2.01
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG22	12	2.01
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG23	12	2.01
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD2	4	2.01
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD3	4	2.01
(1,1735)	1:29:A:VAL:HA	1:32:A:VAL:H	2	2.01
(1,1735)	1:29:A:VAL:HA	1:32:A:VAL:H	7	2.01
(1,1735)	1:29:A:VAL:HA	1:32:A:VAL:H	9	2.01
(1,1647)	1:13:A:PHE:HZ	1:17:A:LEU:HG	12	2.01
(1,1645)	1:13:A:PHE:HD1	1:17:A:LEU:HG	13	2.01
(1,1645)	1:13:A:PHE:HD2	1:17:A:LEU:HG	13	2.01
(1,1618)	1:9:A:LEU:HA	1:12:A:VAL:HA	1	2.01
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG21	12	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG22	12	2.01
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG23	12	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD11	1	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD12	1	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD13	1	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD21	1	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD22	1	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD23	1	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD11	4	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD12	4	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD13	4	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD21	4	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD22	4	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD23	4	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD11	6	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD12	6	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD13	6	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD21	6	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD22	6	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD23	6	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD11	9	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD12	9	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD13	9	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD21	9	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD22	9	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD23	9	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD11	10	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD12	10	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD13	10	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD21	10	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD22	10	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD23	10	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD11	14	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD12	14	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD13	14	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD21	14	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD22	14	2.01
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD23	14	2.01
(1,1601)	1:6:A:PHE:HA	1:9:A:LEU:HG	5	2.01
(1,1601)	1:6:A:PHE:HA	1:9:A:LEU:HG	6	2.01
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG21	12	2.01
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG22	12	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG23	12	2.01
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG21	12	2.01
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG22	12	2.01
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG23	12	2.01
(1,1561)	1:2:A:PHE:H	1:4:A:ILE:H	10	2.01
(1,1554)	1:2:A:PHE:HB2	1:4:A:ILE:HA	5	2.01
(1,1544)	1:1:A:MET:HA	1:3:A:ASP:H	14	2.01
(1,1543)	1:1:A:MET:HE1	1:3:A:ASP:H	3	2.01
(1,1543)	1:1:A:MET:HE2	1:3:A:ASP:H	3	2.01
(1,1543)	1:1:A:MET:HE3	1:3:A:ASP:H	3	2.01
(1,1543)	1:1:A:MET:HE1	1:3:A:ASP:H	5	2.01
(1,1543)	1:1:A:MET:HE2	1:3:A:ASP:H	5	2.01
(1,1543)	1:1:A:MET:HE3	1:3:A:ASP:H	5	2.01
(1,1543)	1:1:A:MET:HE1	1:3:A:ASP:H	7	2.01
(1,1543)	1:1:A:MET:HE2	1:3:A:ASP:H	7	2.01
(1,1543)	1:1:A:MET:HE3	1:3:A:ASP:H	7	2.01
(1,1543)	1:1:A:MET:HE1	1:3:A:ASP:H	14	2.01
(1,1543)	1:1:A:MET:HE2	1:3:A:ASP:H	14	2.01
(1,1543)	1:1:A:MET:HE3	1:3:A:ASP:H	14	2.01
(1,1538)	1:101:A:PRO:HG3	1:102:A:LEU:H	1	2.01
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD1	3	2.01
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD2	3	2.01
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD1	3	2.01
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD2	3	2.01
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE1	11	2.01
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE2	11	2.01
(1,1518)	1:92:A:MET:HG3	1:91:A:SER:H	2	2.01
(1,1518)	1:92:A:MET:HG3	1:91:A:SER:H	5	2.01
(1,1518)	1:92:A:MET:HG3	1:91:A:SER:H	6	2.01
(1,1518)	1:92:A:MET:HG3	1:91:A:SER:H	9	2.01
(1,1518)	1:92:A:MET:HG3	1:91:A:SER:H	11	2.01
(1,1518)	1:92:A:MET:HG3	1:91:A:SER:H	12	2.01
(1,1518)	1:92:A:MET:HG3	1:91:A:SER:H	14	2.01
(1,1518)	1:92:A:MET:HG3	1:91:A:SER:H	15	2.01
(1,1513)	1:90:A:GLU:HG2	1:93:A:LYS:H	1	2.01
(1,1513)	1:90:A:GLU:HG3	1:93:A:LYS:H	1	2.01
(1,1513)	1:90:A:GLU:HG2	1:93:A:LYS:H	11	2.01
(1,1513)	1:90:A:GLU:HG3	1:93:A:LYS:H	11	2.01
(1,1507)	1:87:A:GLN:HB2	1:90:A:GLU:H	1	2.01
(1,1507)	1:87:A:GLN:HB3	1:90:A:GLU:H	1	2.01
(1,1507)	1:87:A:GLN:HB2	1:90:A:GLU:H	3	2.01
(1,1507)	1:87:A:GLN:HB3	1:90:A:GLU:H	3	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1507)	1:87:A:GLN:HB2	1:90:A:GLU:H	8	2.01
(1,1507)	1:87:A:GLN:HB3	1:90:A:GLU:H	8	2.01
(1,1507)	1:87:A:GLN:HB2	1:90:A:GLU:H	12	2.01
(1,1507)	1:87:A:GLN:HB3	1:90:A:GLU:H	12	2.01
(1,1507)	1:87:A:GLN:HB2	1:90:A:GLU:H	13	2.01
(1,1507)	1:87:A:GLN:HB3	1:90:A:GLU:H	13	2.01
(1,1507)	1:87:A:GLN:HB2	1:90:A:GLU:H	14	2.01
(1,1507)	1:87:A:GLN:HB3	1:90:A:GLU:H	14	2.01
(1,1507)	1:87:A:GLN:HB2	1:90:A:GLU:H	15	2.01
(1,1507)	1:87:A:GLN:HB3	1:90:A:GLU:H	15	2.01
(1,1505)	1:86:A:ARG:HB2	1:89:A:ALA:H	7	2.01
(1,1505)	1:86:A:ARG:HB3	1:89:A:ALA:H	7	2.01
(1,1497)	1:84:A:GLU:H	1:86:A:ARG:H	12	2.01
(1,1496)	1:84:A:GLU:HB2	1:85:A:LEU:HG	1	2.01
(1,1496)	1:84:A:GLU:HB2	1:85:A:LEU:HG	5	2.01
(1,1484)	1:78:A:LEU:HG	1:81:A:SER:HB2	7	2.01
(1,1484)	1:78:A:LEU:HG	1:81:A:SER:HB2	15	2.01
(1,1461)	1:70:A:SER:H	1:67:A:GLU:HB2	7	2.01
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD2	4	2.01
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD3	4	2.01
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG11	12	2.01
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG12	12	2.01
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG13	12	2.01
(1,1390)	1:42:A:LEU:H	1:40:A:ARG:HA	2	2.01
(1,1390)	1:42:A:LEU:H	1:40:A:ARG:HA	4	2.01
(1,1390)	1:42:A:LEU:H	1:40:A:ARG:HA	10	2.01
(1,1390)	1:42:A:LEU:H	1:40:A:ARG:HA	12	2.01
(1,1382)	1:41:A:SER:H	1:38:A:ALA:HA	1	2.01
(1,1382)	1:41:A:SER:H	1:38:A:ALA:HA	5	2.01
(1,1382)	1:41:A:SER:H	1:38:A:ALA:HA	11	2.01
(1,1382)	1:41:A:SER:H	1:38:A:ALA:HA	12	2.01
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG21	7	2.01
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG22	7	2.01
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG23	7	2.01
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG21	10	2.01
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG22	10	2.01
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG23	10	2.01
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG21	14	2.01
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG22	14	2.01
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG23	14	2.01
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG21	15	2.01
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG22	15	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG23	15	2.01
(1,1320)	1:26:A:PRO:HA	1:30:A:LYS:HG3	1	2.01
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG11	2	2.01
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG12	2	2.01
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG13	2	2.01
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG11	2	2.01
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG12	2	2.01
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG13	2	2.01
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG11	2	2.01
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG12	2	2.01
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG13	2	2.01
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG11	8	2.01
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG12	8	2.01
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG13	8	2.01
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG11	8	2.01
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG12	8	2.01
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG13	8	2.01
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG11	8	2.01
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG12	8	2.01
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG13	8	2.01
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG11	15	2.01
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG12	15	2.01
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG13	15	2.01
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG11	15	2.01
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG12	15	2.01
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG13	15	2.01
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG11	15	2.01
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG12	15	2.01
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG13	15	2.01
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG11	13	2.01
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG12	13	2.01
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG13	13	2.01
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD21	11	2.01
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD22	11	2.01
(1,1307)	1:19:A:VAL:H	1:20:A:LEU:HD23	11	2.01
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG21	13	2.01
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG22	13	2.01
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG23	13	2.01
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG21	15	2.01
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG22	15	2.01
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG23	15	2.01
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG21	5	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG22	5	2.01
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG23	5	2.01
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG21	6	2.01
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG22	6	2.01
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG23	6	2.01
(1,1292)	1:17:A:LEU:H	1:14:A:ILE:HB	1	2.01
(1,1292)	1:17:A:LEU:H	1:14:A:ILE:HB	3	2.01
(1,1292)	1:17:A:LEU:H	1:14:A:ILE:HB	4	2.01
(1,1292)	1:17:A:LEU:H	1:14:A:ILE:HB	7	2.01
(1,1292)	1:17:A:LEU:H	1:14:A:ILE:HB	8	2.01
(1,1292)	1:17:A:LEU:H	1:14:A:ILE:HB	10	2.01
(1,1292)	1:17:A:LEU:H	1:14:A:ILE:HB	14	2.01
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD11	2	2.01
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD12	2	2.01
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD13	2	2.01
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD11	4	2.01
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD12	4	2.01
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD13	4	2.01
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD11	10	2.01
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD12	10	2.01
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD13	10	2.01
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD11	14	2.01
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD12	14	2.01
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD13	14	2.01
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG21	13	2.01
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG22	13	2.01
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG23	13	2.01
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG11	2	2.01
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG12	2	2.01
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG13	2	2.01
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG11	9	2.01
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG12	9	2.01
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG13	9	2.01
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG11	10	2.01
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG12	10	2.01
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG13	10	2.01
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG21	9	2.01
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG22	9	2.01
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG23	9	2.01
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG21	10	2.01
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG22	10	2.01
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG23	10	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD21	12	2.01
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD22	12	2.01
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD23	12	2.01
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD21	12	2.01
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD22	12	2.01
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD23	12	2.01
(4,138)	1:56:A:LEU:O	1:60:A:GLN:N	1	2.0
(4,138)	1:56:A:LEU:O	1:60:A:GLN:N	8	2.0
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD11	7	2.0
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD12	7	2.0
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD13	7	2.0
(1,2242)	1:103:A:GLU:HG3	1:102:A:LEU:HA	11	2.0
(1,2211)	1:97:A:VAL:H	1:100:A:ASP:H	13	2.0
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG11	12	2.0
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG12	12	2.0
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG13	12	2.0
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG11	12	2.0
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG12	12	2.0
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG13	12	2.0
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE1	5	2.0
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE2	5	2.0
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE3	5	2.0
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE1	5	2.0
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE2	5	2.0
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE3	5	2.0
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD1	2	2.0
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD2	2	2.0
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD1	2	2.0
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD2	2	2.0
(1,2175)	1:94:A:ARG:HG3	1:95:A:SER:H	2	2.0
(1,2175)	1:94:A:ARG:HG3	1:95:A:SER:H	12	2.0
(1,2148)	1:91:A:SER:HB2	1:87:A:GLN:HG2	1	2.0
(1,2148)	1:91:A:SER:HB3	1:87:A:GLN:HG2	1	2.0
(1,2148)	1:91:A:SER:HB2	1:87:A:GLN:HG2	4	2.0
(1,2148)	1:91:A:SER:HB3	1:87:A:GLN:HG2	4	2.0
(1,2148)	1:91:A:SER:HB2	1:87:A:GLN:HG2	6	2.0
(1,2148)	1:91:A:SER:HB3	1:87:A:GLN:HG2	6	2.0
(1,2148)	1:91:A:SER:HB2	1:87:A:GLN:HG2	10	2.0
(1,2148)	1:91:A:SER:HB3	1:87:A:GLN:HG2	10	2.0
(1,2127)	1:87:A:GLN:HE21	1:83:A:ASP:HB3	4	2.0
(1,2104)	1:84:A:GLU:H	1:85:A:LEU:HB2	7	2.0
(1,2104)	1:84:A:GLU:H	1:85:A:LEU:HB2	14	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2098)	1:84:A:GLU:HG3	1:83:A:ASP:H	3	2.0
(1,2098)	1:84:A:GLU:HG2	1:83:A:ASP:H	3	2.0
(1,2098)	1:84:A:GLU:HG3	1:83:A:ASP:H	6	2.0
(1,2098)	1:84:A:GLU:HG2	1:83:A:ASP:H	6	2.0
(1,2098)	1:84:A:GLU:HG3	1:83:A:ASP:H	13	2.0
(1,2098)	1:84:A:GLU:HG2	1:83:A:ASP:H	13	2.0
(1,2087)	1:83:A:ASP:HA	1:86:A:ARG:HE	1	2.0
(1,2087)	1:83:A:ASP:HA	1:86:A:ARG:HE	2	2.0
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD2	1	2.0
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD3	1	2.0
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD2	10	2.0
(1,2086)	1:83:A:ASP:H	1:86:A:ARG:HD3	10	2.0
(1,1953)	1:68:A:LYS:HG3	1:67:A:GLU:HB2	13	2.0
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE2	4	2.0
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE3	4	2.0
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB1	3	2.0
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB2	3	2.0
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB3	3	2.0
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB1	4	2.0
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB2	4	2.0
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB3	4	2.0
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG2	5	2.0
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG3	5	2.0
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG2	7	2.0
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG3	7	2.0
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD11	3	2.0
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD12	3	2.0
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD13	3	2.0
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD11	3	2.0
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD12	3	2.0
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD13	3	2.0
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD11	4	2.0
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD12	4	2.0
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD13	4	2.0
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD11	4	2.0
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD12	4	2.0
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD13	4	2.0
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD11	13	2.0
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD12	13	2.0
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD13	13	2.0
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD11	13	2.0
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD12	13	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD13	13	2.0
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD11	15	2.0
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD12	15	2.0
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD13	15	2.0
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD11	15	2.0
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD12	15	2.0
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD13	15	2.0
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD11	3	2.0
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD12	3	2.0
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD13	3	2.0
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD11	4	2.0
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD12	4	2.0
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD13	4	2.0
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG2	9	2.0
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG3	9	2.0
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG2	13	2.0
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG3	13	2.0
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG2	14	2.0
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG3	14	2.0
(1,1847)	1:73:A:ASN:H	1:71:A:LEU:H	4	2.0
(1,1847)	1:73:A:ASN:H	1:71:A:LEU:H	14	2.0
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG2	5	2.0
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG3	5	2.0
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG21	1	2.0
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG22	1	2.0
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG23	1	2.0
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG21	1	2.0
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG22	1	2.0
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG23	1	2.0
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG21	6	2.0
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG22	6	2.0
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG23	6	2.0
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG21	6	2.0
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG22	6	2.0
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG23	6	2.0
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD2	3	2.0
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD3	3	2.0
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD2	6	2.0
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD3	6	2.0
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB1	2	2.0
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB2	2	2.0
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB3	2	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB1	4	2.0
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB2	4	2.0
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB3	4	2.0
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB1	15	2.0
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB2	15	2.0
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB3	15	2.0
(1,1740)	1:30:A:LYS:HG2	1:31:A:THR:H	11	2.0
(1,1735)	1:29:A:VAL:HA	1:32:A:VAL:H	10	2.0
(1,1734)	1:29:A:VAL:H	1:31:A:THR:H	1	2.0
(1,1728)	1:29:A:VAL:H	1:25:A:LEU:HA	3	2.0
(1,1728)	1:29:A:VAL:H	1:25:A:LEU:HA	7	2.0
(1,1728)	1:29:A:VAL:H	1:25:A:LEU:HA	9	2.0
(1,1728)	1:29:A:VAL:H	1:25:A:LEU:HA	10	2.0
(1,1705)	1:22:A:PRO:HD3	1:24:A:ARG:H	6	2.0
(1,1705)	1:22:A:PRO:HD3	1:24:A:ARG:H	14	2.0
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD11	2	2.0
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD12	2	2.0
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD13	2	2.0
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD21	2	2.0
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD22	2	2.0
(1,1614)	1:8:A:GLU:HB2	1:9:A:LEU:HD23	2	2.0
(1,1582)	1:4:A:ILE:HD11	1:6:A:PHE:H	5	2.0
(1,1582)	1:4:A:ILE:HD12	1:6:A:PHE:H	5	2.0
(1,1582)	1:4:A:ILE:HD13	1:6:A:PHE:H	5	2.0
(1,1572)	1:4:A:ILE:HD11	1:2:A:PHE:HA	13	2.0
(1,1572)	1:4:A:ILE:HD12	1:2:A:PHE:HA	13	2.0
(1,1572)	1:4:A:ILE:HD13	1:2:A:PHE:HA	13	2.0
(1,1554)	1:2:A:PHE:HB2	1:4:A:ILE:HA	14	2.0
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE1	7	2.0
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE2	7	2.0
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE3	7	2.0
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE1	7	2.0
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE2	7	2.0
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE3	7	2.0
(1,1544)	1:1:A:MET:HA	1:3:A:ASP:H	1	2.0
(1,1544)	1:1:A:MET:HA	1:3:A:ASP:H	3	2.0
(1,1544)	1:1:A:MET:HA	1:3:A:ASP:H	9	2.0
(1,1539)	1:102:A:LEU:HB2	1:101:A:PRO:HA	8	2.0
(1,1539)	1:102:A:LEU:HB2	1:101:A:PRO:HA	10	2.0
(1,1538)	1:101:A:PRO:HG3	1:102:A:LEU:H	12	2.0
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD1	2	2.0
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD2	2	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD1	2	2.0
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD2	2	2.0
(1,1518)	1:92:A:MET:HG3	1:91:A:SER:H	8	2.0
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE1	2	2.0
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE2	2	2.0
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE3	2	2.0
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE1	6	2.0
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE2	6	2.0
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE3	6	2.0
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE1	9	2.0
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE2	9	2.0
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE3	9	2.0
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE1	13	2.0
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE2	13	2.0
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE3	13	2.0
(1,1513)	1:90:A:GLU:HG2	1:93:A:LYS:H	7	2.0
(1,1513)	1:90:A:GLU:HG3	1:93:A:LYS:H	7	2.0
(1,1507)	1:87:A:GLN:HB2	1:90:A:GLU:H	6	2.0
(1,1507)	1:87:A:GLN:HB3	1:90:A:GLU:H	6	2.0
(1,1507)	1:87:A:GLN:HB2	1:90:A:GLU:H	9	2.0
(1,1507)	1:87:A:GLN:HB3	1:90:A:GLU:H	9	2.0
(1,1497)	1:84:A:GLU:H	1:86:A:ARG:H	1	2.0
(1,1497)	1:84:A:GLU:H	1:86:A:ARG:H	2	2.0
(1,1497)	1:84:A:GLU:H	1:86:A:ARG:H	10	2.0
(1,1486)	1:79:A:LYS:H	1:81:A:SER:H	8	2.0
(1,1484)	1:78:A:LEU:HG	1:81:A:SER:HB2	3	2.0
(1,1484)	1:78:A:LEU:HG	1:81:A:SER:HB2	9	2.0
(1,1484)	1:78:A:LEU:HG	1:81:A:SER:HB2	10	2.0
(1,1484)	1:78:A:LEU:HG	1:81:A:SER:HB2	12	2.0
(1,1484)	1:78:A:LEU:HG	1:81:A:SER:HB2	13	2.0
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD11	13	2.0
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD12	13	2.0
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD13	13	2.0
(1,1461)	1:70:A:SER:H	1:67:A:GLU:HB2	5	2.0
(1,1461)	1:70:A:SER:H	1:67:A:GLU:HB2	10	2.0
(1,1461)	1:70:A:SER:H	1:67:A:GLU:HB2	12	2.0
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD1	3	2.0
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD2	3	2.0
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG2	15	2.0
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG3	15	2.0
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG2	15	2.0
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG3	15	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG2	15	2.0
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG3	15	2.0
(1,1391)	1:42:A:LEU:HD11	1:45:A:THR:H	1	2.0
(1,1391)	1:42:A:LEU:HD12	1:45:A:THR:H	1	2.0
(1,1391)	1:42:A:LEU:HD13	1:45:A:THR:H	1	2.0
(1,1391)	1:42:A:LEU:HD21	1:45:A:THR:H	1	2.0
(1,1391)	1:42:A:LEU:HD22	1:45:A:THR:H	1	2.0
(1,1391)	1:42:A:LEU:HD23	1:45:A:THR:H	1	2.0
(1,1391)	1:42:A:LEU:HD11	1:45:A:THR:H	10	2.0
(1,1391)	1:42:A:LEU:HD12	1:45:A:THR:H	10	2.0
(1,1391)	1:42:A:LEU:HD13	1:45:A:THR:H	10	2.0
(1,1391)	1:42:A:LEU:HD21	1:45:A:THR:H	10	2.0
(1,1391)	1:42:A:LEU:HD22	1:45:A:THR:H	10	2.0
(1,1391)	1:42:A:LEU:HD23	1:45:A:THR:H	10	2.0
(1,1390)	1:42:A:LEU:H	1:40:A:ARG:HA	5	2.0
(1,1390)	1:42:A:LEU:H	1:40:A:ARG:HA	7	2.0
(1,1390)	1:42:A:LEU:H	1:40:A:ARG:HA	14	2.0
(1,1382)	1:41:A:SER:H	1:38:A:ALA:HA	7	2.0
(1,1382)	1:41:A:SER:H	1:38:A:ALA:HA	8	2.0
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG21	5	2.0
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG22	5	2.0
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG23	5	2.0
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG21	9	2.0
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG22	9	2.0
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG23	9	2.0
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG21	12	2.0
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG22	12	2.0
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG23	12	2.0
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG21	13	2.0
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG22	13	2.0
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG23	13	2.0
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG21	1	2.0
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG22	1	2.0
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG23	1	2.0
(1,1294)	1:17:A:LEU:H	1:18:A:VAL:HB	6	2.0
(1,1292)	1:17:A:LEU:H	1:14:A:ILE:HB	15	2.0
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD11	5	2.0
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD12	5	2.0
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD13	5	2.0
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD11	6	2.0
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD12	6	2.0
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD13	6	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG21	2	2.0
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG22	2	2.0
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG23	2	2.0
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG21	10	2.0
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG22	10	2.0
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG23	10	2.0
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG11	3	2.0
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG12	3	2.0
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG13	3	2.0
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG11	7	2.0
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG12	7	2.0
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG13	7	2.0
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG11	8	2.0
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG12	8	2.0
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG13	8	2.0
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG11	15	2.0
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG12	15	2.0
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG13	15	2.0
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD11	3	2.0
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD12	3	2.0
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD13	3	2.0
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD11	3	2.0
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD12	3	2.0
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD13	3	2.0
(1,1256)	1:10:A:LEU:HA	1:12:A:VAL:H	11	2.0
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG21	6	2.0
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG22	6	2.0
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG23	6	2.0
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG21	1	2.0
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG22	1	2.0
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG23	1	2.0
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG21	2	2.0
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG22	2	2.0
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG23	2	2.0
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG21	4	2.0
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG22	4	2.0
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG23	4	2.0
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG21	13	2.0
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG22	13	2.0
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG23	13	2.0
(1,1249)	1:8:A:GLU:HB2	1:5:A:GLY:H	11	2.0
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE1	8	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE2	8	1.99
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE3	8	1.99
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE1	8	1.99
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE2	8	1.99
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE3	8	1.99
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD1	5	1.99
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD2	5	1.99
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD1	5	1.99
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD2	5	1.99
(1,2175)	1:94:A:ARG:HG3	1:95:A:SER:H	9	1.99
(1,2153)	1:91:A:SER:HA	1:93:A:LYS:H	14	1.99
(1,2148)	1:91:A:SER:HB2	1:87:A:GLN:HG2	11	1.99
(1,2148)	1:91:A:SER:HB3	1:87:A:GLN:HG2	11	1.99
(1,2148)	1:91:A:SER:HB2	1:87:A:GLN:HG2	13	1.99
(1,2148)	1:91:A:SER:HB3	1:87:A:GLN:HG2	13	1.99
(1,2148)	1:91:A:SER:HB2	1:87:A:GLN:HG2	14	1.99
(1,2148)	1:91:A:SER:HB3	1:87:A:GLN:HG2	14	1.99
(1,2148)	1:91:A:SER:HB2	1:87:A:GLN:HG2	15	1.99
(1,2148)	1:91:A:SER:HB3	1:87:A:GLN:HG2	15	1.99
(1,2098)	1:84:A:GLU:HG3	1:83:A:ASP:H	2	1.99
(1,2098)	1:84:A:GLU:HG2	1:83:A:ASP:H	2	1.99
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD11	7	1.99
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD12	7	1.99
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD13	7	1.99
(1,1966)	1:70:A:SER:HA	1:72:A:THR:H	14	1.99
(1,1952)	1:68:A:LYS:H	1:66:A:VAL:HA	8	1.99
(1,1937)	1:66:A:VAL:HA	1:69:A:ALA:HA	3	1.99
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE2	3	1.99
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE3	3	1.99
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB1	2	1.99
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB2	2	1.99
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB3	2	1.99
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB1	9	1.99
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB2	9	1.99
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB3	9	1.99
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB1	12	1.99
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB2	12	1.99
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB3	12	1.99
(1,1899)	1:63:A:LEU:HB2	1:62:A:SER:HB2	14	1.99
(1,1881)	1:61:A:ASP:HB2	1:60:A:GLN:HA	7	1.99
(1,1881)	1:61:A:ASP:HB2	1:60:A:GLN:HA	11	1.99
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD1	13	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD2	13	1.99
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG2	15	1.99
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG3	15	1.99
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG2	1	1.99
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG3	1	1.99
(1,1847)	1:73:A:ASN:H	1:71:A:LEU:H	7	1.99
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG2	1	1.99
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG3	1	1.99
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG2	9	1.99
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG3	9	1.99
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD2	9	1.99
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD3	9	1.99
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD2	12	1.99
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD3	12	1.99
(1,1735)	1:29:A:VAL:HA	1:32:A:VAL:H	6	1.99
(1,1728)	1:29:A:VAL:H	1:25:A:LEU:HA	4	1.99
(1,1728)	1:29:A:VAL:H	1:25:A:LEU:HA	5	1.99
(1,1728)	1:29:A:VAL:H	1:25:A:LEU:HA	6	1.99
(1,1728)	1:29:A:VAL:H	1:25:A:LEU:HA	8	1.99
(1,1728)	1:29:A:VAL:H	1:25:A:LEU:HA	14	1.99
(1,1728)	1:29:A:VAL:H	1:25:A:LEU:HA	15	1.99
(1,1618)	1:9:A:LEU:HA	1:12:A:VAL:HA	9	1.99
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD1	5	1.99
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD2	5	1.99
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD1	5	1.99
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD2	5	1.99
(1,1518)	1:92:A:MET:HG3	1:91:A:SER:H	3	1.99
(1,1513)	1:90:A:GLU:HG2	1:93:A:LYS:H	13	1.99
(1,1513)	1:90:A:GLU:HG3	1:93:A:LYS:H	13	1.99
(1,1507)	1:87:A:GLN:HB2	1:90:A:GLU:H	2	1.99
(1,1507)	1:87:A:GLN:HB3	1:90:A:GLU:H	2	1.99
(1,1507)	1:87:A:GLN:HB2	1:90:A:GLU:H	4	1.99
(1,1507)	1:87:A:GLN:HB3	1:90:A:GLU:H	4	1.99
(1,1507)	1:87:A:GLN:HB2	1:90:A:GLU:H	10	1.99
(1,1507)	1:87:A:GLN:HB3	1:90:A:GLU:H	10	1.99
(1,1497)	1:84:A:GLU:H	1:86:A:ARG:H	4	1.99
(1,1497)	1:84:A:GLU:H	1:86:A:ARG:H	8	1.99
(1,1497)	1:84:A:GLU:H	1:86:A:ARG:H	11	1.99
(1,1486)	1:79:A:LYS:H	1:81:A:SER:H	6	1.99
(1,1484)	1:78:A:LEU:HG	1:81:A:SER:HB2	1	1.99
(1,1484)	1:78:A:LEU:HG	1:81:A:SER:HB2	8	1.99
(1,1484)	1:78:A:LEU:HG	1:81:A:SER:HB2	14	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1480)	1:75:A:THR:H	1:77:A:GLU:HB2	12	1.99
(1,1467)	1:72:A:THR:HA	1:74:A:LEU:HB2	13	1.99
(1,1461)	1:70:A:SER:H	1:67:A:GLU:HB2	1	1.99
(1,1461)	1:70:A:SER:H	1:67:A:GLU:HB2	2	1.99
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD2	6	1.99
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD3	6	1.99
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD2	8	1.99
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD3	8	1.99
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD1	5	1.99
(1,1434)	1:57:A:GLN:HA	1:59:A:PHE:HD2	5	1.99
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB1	1	1.99
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB2	1	1.99
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB3	1	1.99
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB1	14	1.99
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB2	14	1.99
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB3	14	1.99
(1,1390)	1:42:A:LEU:H	1:40:A:ARG:HA	13	1.99
(1,1333)	1:31:A:THR:HA	1:30:A:LYS:HG2	11	1.99
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG21	3	1.99
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG22	3	1.99
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG23	3	1.99
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG21	4	1.99
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG22	4	1.99
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG23	4	1.99
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG21	7	1.99
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG22	7	1.99
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG23	7	1.99
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG21	8	1.99
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG22	8	1.99
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG23	8	1.99
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG21	10	1.99
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG22	10	1.99
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG23	10	1.99
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG21	14	1.99
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG22	14	1.99
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG23	14	1.99
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG21	15	1.99
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG22	15	1.99
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG23	15	1.99
(1,1294)	1:17:A:LEU:H	1:18:A:VAL:HB	5	1.99
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD21	7	1.99
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD22	7	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD23	7	1.99
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD21	15	1.99
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD22	15	1.99
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD23	15	1.99
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG21	7	1.99
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG22	7	1.99
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG23	7	1.99
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG21	9	1.99
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG22	9	1.99
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG23	9	1.99
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG21	15	1.99
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG22	15	1.99
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG23	15	1.99
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD11	8	1.99
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD12	8	1.99
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD13	8	1.99
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD11	10	1.99
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD12	10	1.99
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD13	10	1.99
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD11	7	1.99
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD12	7	1.99
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD13	7	1.99
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD11	7	1.99
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD12	7	1.99
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD13	7	1.99
(1,1256)	1:10:A:LEU:HA	1:12:A:VAL:H	7	1.99
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG21	12	1.99
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG22	12	1.99
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG23	12	1.99
(1,2245)	1:103:A:GLU:H	1:102:A:LEU:HB2	11	1.98
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD1	10	1.98
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD2	10	1.98
(1,2196)	1:96:A:TYR:HA	1:99:A:ASN:HB2	6	1.98
(1,2196)	1:96:A:TYR:HA	1:99:A:ASN:HB3	6	1.98
(1,2175)	1:94:A:ARG:HG3	1:95:A:SER:H	1	1.98
(1,2175)	1:94:A:ARG:HG3	1:95:A:SER:H	4	1.98
(1,2153)	1:91:A:SER:HA	1:93:A:LYS:H	8	1.98
(1,2153)	1:91:A:SER:HA	1:93:A:LYS:H	10	1.98
(1,2148)	1:91:A:SER:HB2	1:87:A:GLN:HG2	3	1.98
(1,2148)	1:91:A:SER:HB3	1:87:A:GLN:HG2	3	1.98
(1,2148)	1:91:A:SER:HB2	1:87:A:GLN:HG2	9	1.98
(1,2148)	1:91:A:SER:HB3	1:87:A:GLN:HG2	9	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2128)	1:87:A:GLN:HG2	1:84:A:GLU:HA	14	1.98
(1,2098)	1:84:A:GLU:HG3	1:83:A:ASP:H	4	1.98
(1,2098)	1:84:A:GLU:HG2	1:83:A:ASP:H	4	1.98
(1,2098)	1:84:A:GLU:HG3	1:83:A:ASP:H	5	1.98
(1,2098)	1:84:A:GLU:HG2	1:83:A:ASP:H	5	1.98
(1,2098)	1:84:A:GLU:HG3	1:83:A:ASP:H	9	1.98
(1,2098)	1:84:A:GLU:HG2	1:83:A:ASP:H	9	1.98
(1,2098)	1:84:A:GLU:HG3	1:83:A:ASP:H	12	1.98
(1,2098)	1:84:A:GLU:HG2	1:83:A:ASP:H	12	1.98
(1,2098)	1:84:A:GLU:HG3	1:83:A:ASP:H	15	1.98
(1,2098)	1:84:A:GLU:HG2	1:83:A:ASP:H	15	1.98
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD11	6	1.98
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD12	6	1.98
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD13	6	1.98
(1,2047)	1:79:A:LYS:H	1:80:A:ALA:HA	2	1.98
(1,2047)	1:79:A:LYS:H	1:80:A:ALA:HA	8	1.98
(1,1966)	1:70:A:SER:HA	1:72:A:THR:H	4	1.98
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB1	13	1.98
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB2	13	1.98
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB3	13	1.98
(1,1933)	1:65:A:LYS:H	1:68:A:LYS:H	6	1.98
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD2	5	1.98
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD3	5	1.98
(1,1900)	1:63:A:LEU:HG	1:62:A:SER:HB3	12	1.98
(1,1890)	1:62:A:SER:H	1:60:A:GLN:H	9	1.98
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG2	13	1.98
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG3	13	1.98
(1,1881)	1:61:A:ASP:HB2	1:60:A:GLN:HA	10	1.98
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD1	1	1.98
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD2	1	1.98
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD1	4	1.98
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD2	4	1.98
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD1	12	1.98
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD2	12	1.98
(1,1869)	1:60:A:GLN:HE22	1:56:A:LEU:HB2	11	1.98
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG2	10	1.98
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG3	10	1.98
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG2	8	1.98
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG3	8	1.98
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG2	13	1.98
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG3	13	1.98
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB1	3	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB2	3	1.98
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB3	3	1.98
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB2	13	1.98
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB3	13	1.98
(1,1580)	1:4:A:ILE:H	1:5:A:GLY:H	11	1.98
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD11	2	1.98
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD12	2	1.98
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD13	2	1.98
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD11	4	1.98
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD12	4	1.98
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD13	4	1.98
(1,1559)	1:2:A:PHE:HD1	1:4:A:ILE:HB	15	1.98
(1,1559)	1:2:A:PHE:HD2	1:4:A:ILE:HB	15	1.98
(1,1554)	1:2:A:PHE:HB2	1:4:A:ILE:HA	7	1.98
(1,1539)	1:102:A:LEU:HB2	1:101:A:PRO:HA	5	1.98
(1,1539)	1:102:A:LEU:HB2	1:101:A:PRO:HA	6	1.98
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE1	14	1.98
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE2	14	1.98
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE3	14	1.98
(1,1513)	1:90:A:GLU:HG2	1:93:A:LYS:H	12	1.98
(1,1513)	1:90:A:GLU:HG3	1:93:A:LYS:H	12	1.98
(1,1507)	1:87:A:GLN:HB2	1:90:A:GLU:H	5	1.98
(1,1507)	1:87:A:GLN:HB3	1:90:A:GLU:H	5	1.98
(1,1507)	1:87:A:GLN:HB2	1:90:A:GLU:H	11	1.98
(1,1507)	1:87:A:GLN:HB3	1:90:A:GLU:H	11	1.98
(1,1497)	1:84:A:GLU:H	1:86:A:ARG:H	5	1.98
(1,1497)	1:84:A:GLU:H	1:86:A:ARG:H	9	1.98
(1,1497)	1:84:A:GLU:H	1:86:A:ARG:H	15	1.98
(1,1484)	1:78:A:LEU:HG	1:81:A:SER:HB2	4	1.98
(1,1480)	1:75:A:THR:H	1:77:A:GLU:HB2	10	1.98
(1,1480)	1:75:A:THR:H	1:77:A:GLU:HB2	11	1.98
(1,1467)	1:72:A:THR:HA	1:74:A:LEU:HB2	9	1.98
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB2	2	1.98
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB3	2	1.98
(1,1441)	1:60:A:GLN:H	1:56:A:LEU:H	5	1.98
(1,1441)	1:60:A:GLN:H	1:56:A:LEU:H	12	1.98
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB1	2	1.98
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB2	2	1.98
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB3	2	1.98
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB1	6	1.98
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB2	6	1.98
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB3	6	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB1	8	1.98
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB2	8	1.98
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB3	8	1.98
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB1	9	1.98
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB2	9	1.98
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB3	9	1.98
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG2	2	1.98
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG3	2	1.98
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG2	2	1.98
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG3	2	1.98
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG2	2	1.98
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG3	2	1.98
(1,1390)	1:42:A:LEU:H	1:40:A:ARG:HA	8	1.98
(1,1385)	1:41:A:SER:HA	1:44:A:THR:HB	3	1.98
(1,1382)	1:41:A:SER:H	1:38:A:ALA:HA	2	1.98
(1,1382)	1:41:A:SER:H	1:38:A:ALA:HA	9	1.98
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG21	14	1.98
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG22	14	1.98
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG23	14	1.98
(1,1333)	1:31:A:THR:HA	1:30:A:LYS:HG2	2	1.98
(1,1320)	1:26:A:PRO:HA	1:30:A:LYS:HG3	11	1.98
(1,1294)	1:17:A:LEU:H	1:18:A:VAL:HB	4	1.98
(1,1294)	1:17:A:LEU:H	1:18:A:VAL:HB	10	1.98
(1,1294)	1:17:A:LEU:H	1:18:A:VAL:HB	14	1.98
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD21	3	1.98
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD22	3	1.98
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD23	3	1.98
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD11	2	1.98
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD12	2	1.98
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD13	2	1.98
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD11	10	1.98
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD12	10	1.98
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD13	10	1.98
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD11	10	1.98
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD12	10	1.98
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD13	10	1.98
(1,2245)	1:103:A:GLU:H	1:102:A:LEU:HB2	14	1.97
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD11	12	1.97
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD12	12	1.97
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD13	12	1.97
(1,2242)	1:103:A:GLU:HG3	1:102:A:LEU:HA	7	1.97
(1,2211)	1:97:A:VAL:H	1:100:A:ASP:H	11	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE1	3	1.97
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE2	3	1.97
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE3	3	1.97
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE1	3	1.97
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE2	3	1.97
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE3	3	1.97
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE1	11	1.97
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE2	11	1.97
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE3	11	1.97
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE1	11	1.97
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE2	11	1.97
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE3	11	1.97
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD1	9	1.97
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD2	9	1.97
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD1	9	1.97
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD2	9	1.97
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG21	13	1.97
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG22	13	1.97
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG23	13	1.97
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG21	15	1.97
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG22	15	1.97
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG23	15	1.97
(1,2175)	1:94:A:ARG:HG3	1:95:A:SER:H	7	1.97
(1,2175)	1:94:A:ARG:HG3	1:95:A:SER:H	15	1.97
(1,2148)	1:91:A:SER:HB2	1:87:A:GLN:HG2	5	1.97
(1,2148)	1:91:A:SER:HB3	1:87:A:GLN:HG2	5	1.97
(1,2108)	1:85:A:LEU:H	1:82:A:MET:HB2	14	1.97
(1,2098)	1:84:A:GLU:HG3	1:83:A:ASP:H	1	1.97
(1,2098)	1:84:A:GLU:HG2	1:83:A:ASP:H	1	1.97
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD11	8	1.97
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD12	8	1.97
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD13	8	1.97
(1,2047)	1:79:A:LYS:H	1:80:A:ALA:HA	6	1.97
(1,1995)	1:73:A:ASN:HA	1:72:A:THR:H	3	1.97
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG21	5	1.97
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG22	5	1.97
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG23	5	1.97
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB1	5	1.97
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB2	5	1.97
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB3	5	1.97
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB1	5	1.97
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB2	5	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB3	5	1.97
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD21	6	1.97
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD22	6	1.97
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD23	6	1.97
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD21	8	1.97
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD22	8	1.97
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD23	8	1.97
(1,1971)	1:71:A:LEU:H	1:67:A:GLU:HB2	12	1.97
(1,1955)	1:68:A:LYS:HG2	1:69:A:ALA:H	4	1.97
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB1	1	1.97
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB2	1	1.97
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB3	1	1.97
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB1	14	1.97
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB2	14	1.97
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB3	14	1.97
(1,1933)	1:65:A:LYS:H	1:68:A:LYS:H	9	1.97
(1,1918)	1:65:A:LYS:H	1:62:A:SER:HB2	8	1.97
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG2	15	1.97
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG3	15	1.97
(1,1881)	1:61:A:ASP:HB2	1:60:A:GLN:HA	13	1.97
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG2	9	1.97
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG3	9	1.97
(1,1847)	1:73:A:ASN:H	1:71:A:LEU:H	5	1.97
(1,1832)	1:48:A:ASN:HA	1:47:A:GLN:HG2	4	1.97
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG21	4	1.97
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG22	4	1.97
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG23	4	1.97
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG21	10	1.97
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG22	10	1.97
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG23	10	1.97
(1,1789)	1:42:A:LEU:H	1:44:A:THR:H	3	1.97
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD2	5	1.97
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD3	5	1.97
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD2	14	1.97
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD3	14	1.97
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB1	5	1.97
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB2	5	1.97
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB3	5	1.97
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB1	7	1.97
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB2	7	1.97
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB3	7	1.97
(1,1728)	1:29:A:VAL:H	1:25:A:LEU:HA	13	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1689)	1:20:A:LEU:H	1:18:A:VAL:HA	12	1.97
(1,1572)	1:4:A:ILE:HD11	1:2:A:PHE:HA	2	1.97
(1,1572)	1:4:A:ILE:HD12	1:2:A:PHE:HA	2	1.97
(1,1572)	1:4:A:ILE:HD13	1:2:A:PHE:HA	2	1.97
(1,1572)	1:4:A:ILE:HD11	1:2:A:PHE:HA	4	1.97
(1,1572)	1:4:A:ILE:HD12	1:2:A:PHE:HA	4	1.97
(1,1572)	1:4:A:ILE:HD13	1:2:A:PHE:HA	4	1.97
(1,1572)	1:4:A:ILE:HD11	1:2:A:PHE:HA	11	1.97
(1,1572)	1:4:A:ILE:HD12	1:2:A:PHE:HA	11	1.97
(1,1572)	1:4:A:ILE:HD13	1:2:A:PHE:HA	11	1.97
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD11	6	1.97
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD12	6	1.97
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD13	6	1.97
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD11	10	1.97
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD12	10	1.97
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD13	10	1.97
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD1	9	1.97
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD2	9	1.97
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD1	9	1.97
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD2	9	1.97
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB1	14	1.97
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB2	14	1.97
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB3	14	1.97
(1,1513)	1:90:A:GLU:HG2	1:93:A:LYS:H	2	1.97
(1,1513)	1:90:A:GLU:HG3	1:93:A:LYS:H	2	1.97
(1,1513)	1:90:A:GLU:HG2	1:93:A:LYS:H	15	1.97
(1,1513)	1:90:A:GLU:HG3	1:93:A:LYS:H	15	1.97
(1,1509)	1:88:A:ALA:H	1:85:A:LEU:HG	15	1.97
(1,1497)	1:84:A:GLU:H	1:86:A:ARG:H	6	1.97
(1,1486)	1:79:A:LYS:H	1:81:A:SER:H	3	1.97
(1,1486)	1:79:A:LYS:H	1:81:A:SER:H	13	1.97
(1,1486)	1:79:A:LYS:H	1:81:A:SER:H	15	1.97
(1,1480)	1:75:A:THR:H	1:77:A:GLU:HB2	1	1.97
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD11	3	1.97
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD12	3	1.97
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD13	3	1.97
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD11	9	1.97
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD12	9	1.97
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD13	9	1.97
(1,1469)	1:73:A:ASN:H	1:70:A:SER:H	7	1.97
(1,1467)	1:72:A:THR:HA	1:74:A:LEU:HB2	3	1.97
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB1	7	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB2	7	1.97
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB3	7	1.97
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB1	12	1.97
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB2	12	1.97
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB3	12	1.97
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB1	13	1.97
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB2	13	1.97
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB3	13	1.97
(1,1390)	1:42:A:LEU:H	1:40:A:ARG:HA	3	1.97
(1,1390)	1:42:A:LEU:H	1:40:A:ARG:HA	6	1.97
(1,1390)	1:42:A:LEU:H	1:40:A:ARG:HA	9	1.97
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG21	3	1.97
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG22	3	1.97
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG23	3	1.97
(1,1333)	1:31:A:THR:HA	1:30:A:LYS:HG2	1	1.97
(1,1333)	1:31:A:THR:HA	1:30:A:LYS:HG2	5	1.97
(1,1333)	1:31:A:THR:HA	1:30:A:LYS:HG2	7	1.97
(1,1333)	1:31:A:THR:HA	1:30:A:LYS:HG2	8	1.97
(1,1333)	1:31:A:THR:HA	1:30:A:LYS:HG2	9	1.97
(1,1333)	1:31:A:THR:HA	1:30:A:LYS:HG2	10	1.97
(1,1333)	1:31:A:THR:HA	1:30:A:LYS:HG2	15	1.97
(1,1311)	1:20:A:LEU:HD11	1:19:A:VAL:H	12	1.97
(1,1311)	1:20:A:LEU:HD12	1:19:A:VAL:H	12	1.97
(1,1311)	1:20:A:LEU:HD13	1:19:A:VAL:H	12	1.97
(1,1294)	1:17:A:LEU:H	1:18:A:VAL:HB	3	1.97
(1,1294)	1:17:A:LEU:H	1:18:A:VAL:HB	7	1.97
(1,1294)	1:17:A:LEU:H	1:18:A:VAL:HB	8	1.97
(1,1294)	1:17:A:LEU:H	1:18:A:VAL:HB	9	1.97
(1,1294)	1:17:A:LEU:H	1:18:A:VAL:HB	15	1.97
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD21	8	1.97
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD22	8	1.97
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD23	8	1.97
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG21	11	1.97
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG22	11	1.97
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG23	11	1.97
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG21	11	1.97
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG22	11	1.97
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG23	11	1.97
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG21	3	1.97
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG22	3	1.97
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG23	3	1.97
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG21	11	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG22	11	1.97
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG23	11	1.97
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG21	14	1.97
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG22	14	1.97
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG23	14	1.97
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD11	14	1.96
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD12	14	1.96
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD13	14	1.96
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD21	14	1.96
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD22	14	1.96
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD23	14	1.96
(1,2242)	1:103:A:GLU:HG3	1:102:A:LEU:HA	6	1.96
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD1	8	1.96
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD2	8	1.96
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD1	8	1.96
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD2	8	1.96
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG21	11	1.96
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG22	11	1.96
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG23	11	1.96
(1,2175)	1:94:A:ARG:HG3	1:95:A:SER:H	13	1.96
(1,2175)	1:94:A:ARG:HG3	1:95:A:SER:H	14	1.96
(1,2148)	1:91:A:SER:HB2	1:87:A:GLN:HG2	7	1.96
(1,2148)	1:91:A:SER:HB3	1:87:A:GLN:HG2	7	1.96
(1,2128)	1:87:A:GLN:HG2	1:84:A:GLU:HA	3	1.96
(1,2128)	1:87:A:GLN:HG2	1:84:A:GLU:HA	11	1.96
(1,2098)	1:84:A:GLU:HG3	1:83:A:ASP:H	10	1.96
(1,2098)	1:84:A:GLU:HG2	1:83:A:ASP:H	10	1.96
(1,2098)	1:84:A:GLU:HG3	1:83:A:ASP:H	11	1.96
(1,2098)	1:84:A:GLU:HG2	1:83:A:ASP:H	11	1.96
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE1	7	1.96
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE2	7	1.96
(1,2095)	1:84:A:GLU:H	1:82:A:MET:HE3	7	1.96
(1,2087)	1:83:A:ASP:HA	1:86:A:ARG:HE	10	1.96
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD11	1	1.96
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD12	1	1.96
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD13	1	1.96
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD11	10	1.96
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD12	10	1.96
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD13	10	1.96
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD11	12	1.96
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD12	12	1.96
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD13	12	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2047)	1:79:A:LYS:H	1:80:A:ALA:HA	1	1.96
(1,2047)	1:79:A:LYS:H	1:80:A:ALA:HA	10	1.96
(1,2047)	1:79:A:LYS:H	1:80:A:ALA:HA	11	1.96
(1,2047)	1:79:A:LYS:H	1:80:A:ALA:HA	12	1.96
(1,1995)	1:73:A:ASN:HA	1:72:A:THR:H	9	1.96
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB1	7	1.96
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB2	7	1.96
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB3	7	1.96
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB1	7	1.96
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB2	7	1.96
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB3	7	1.96
(1,1971)	1:71:A:LEU:H	1:67:A:GLU:HB2	10	1.96
(1,1948)	1:67:A:GLU:HG3	1:70:A:SER:HB2	8	1.96
(1,1933)	1:65:A:LYS:H	1:68:A:LYS:H	8	1.96
(1,1890)	1:62:A:SER:H	1:60:A:GLN:H	7	1.96
(1,1890)	1:62:A:SER:H	1:60:A:GLN:H	14	1.96
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG2	12	1.96
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG3	12	1.96
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD1	3	1.96
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD2	3	1.96
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG11	1	1.96
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG12	1	1.96
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG13	1	1.96
(1,1789)	1:42:A:LEU:H	1:44:A:THR:H	7	1.96
(1,1784)	1:42:A:LEU:H	1:39:A:LEU:HB2	3	1.96
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD2	7	1.96
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD3	7	1.96
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD2	13	1.96
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD3	13	1.96
(1,1735)	1:29:A:VAL:HA	1:32:A:VAL:H	15	1.96
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB2	12	1.96
(1,1648)	1:13:A:PHE:HZ	1:17:A:LEU:HB3	12	1.96
(1,1582)	1:4:A:ILE:HD11	1:6:A:PHE:H	6	1.96
(1,1582)	1:4:A:ILE:HD12	1:6:A:PHE:H	6	1.96
(1,1582)	1:4:A:ILE:HD13	1:6:A:PHE:H	6	1.96
(1,1577)	1:4:A:ILE:HG13	1:4:A:ILE:H	12	1.96
(1,1572)	1:4:A:ILE:HD11	1:2:A:PHE:HA	6	1.96
(1,1572)	1:4:A:ILE:HD12	1:2:A:PHE:HA	6	1.96
(1,1572)	1:4:A:ILE:HD13	1:2:A:PHE:HA	6	1.96
(1,1572)	1:4:A:ILE:HD11	1:2:A:PHE:HA	10	1.96
(1,1572)	1:4:A:ILE:HD12	1:2:A:PHE:HA	10	1.96
(1,1572)	1:4:A:ILE:HD13	1:2:A:PHE:HA	10	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD11	12	1.96
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD12	12	1.96
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD13	12	1.96
(1,1538)	1:101:A:PRO:HG3	1:102:A:LEU:H	3	1.96
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG21	8	1.96
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG22	8	1.96
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG23	8	1.96
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD1	8	1.96
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD2	8	1.96
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD1	8	1.96
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD2	8	1.96
(1,1513)	1:90:A:GLU:HG2	1:93:A:LYS:H	5	1.96
(1,1513)	1:90:A:GLU:HG3	1:93:A:LYS:H	5	1.96
(1,1513)	1:90:A:GLU:HG2	1:93:A:LYS:H	6	1.96
(1,1513)	1:90:A:GLU:HG3	1:93:A:LYS:H	6	1.96
(1,1513)	1:90:A:GLU:HG2	1:93:A:LYS:H	10	1.96
(1,1513)	1:90:A:GLU:HG3	1:93:A:LYS:H	10	1.96
(1,1509)	1:88:A:ALA:H	1:85:A:LEU:HG	1	1.96
(1,1509)	1:88:A:ALA:H	1:85:A:LEU:HG	6	1.96
(1,1497)	1:84:A:GLU:H	1:86:A:ARG:H	3	1.96
(1,1497)	1:84:A:GLU:H	1:86:A:ARG:H	13	1.96
(1,1497)	1:84:A:GLU:H	1:86:A:ARG:H	14	1.96
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD11	7	1.96
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD12	7	1.96
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD13	7	1.96
(1,1486)	1:79:A:LYS:H	1:81:A:SER:H	4	1.96
(1,1486)	1:79:A:LYS:H	1:81:A:SER:H	9	1.96
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD11	6	1.96
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD12	6	1.96
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD13	6	1.96
(1,1480)	1:75:A:THR:H	1:77:A:GLU:HB2	7	1.96
(1,1480)	1:75:A:THR:H	1:77:A:GLU:HB2	13	1.96
(1,1469)	1:73:A:ASN:H	1:70:A:SER:H	5	1.96
(1,1420)	1:48:A:ASN:H	1:44:A:THR:H	12	1.96
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB1	11	1.96
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB2	11	1.96
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB3	11	1.96
(1,1391)	1:42:A:LEU:HD11	1:45:A:THR:H	2	1.96
(1,1391)	1:42:A:LEU:HD12	1:45:A:THR:H	2	1.96
(1,1391)	1:42:A:LEU:HD13	1:45:A:THR:H	2	1.96
(1,1391)	1:42:A:LEU:HD21	1:45:A:THR:H	2	1.96
(1,1391)	1:42:A:LEU:HD22	1:45:A:THR:H	2	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1391)	1:42:A:LEU:HD23	1:45:A:THR:H	2	1.96
(1,1391)	1:42:A:LEU:HD11	1:45:A:THR:H	7	1.96
(1,1391)	1:42:A:LEU:HD12	1:45:A:THR:H	7	1.96
(1,1391)	1:42:A:LEU:HD13	1:45:A:THR:H	7	1.96
(1,1391)	1:42:A:LEU:HD21	1:45:A:THR:H	7	1.96
(1,1391)	1:42:A:LEU:HD22	1:45:A:THR:H	7	1.96
(1,1391)	1:42:A:LEU:HD23	1:45:A:THR:H	7	1.96
(1,1391)	1:42:A:LEU:HD11	1:45:A:THR:H	8	1.96
(1,1391)	1:42:A:LEU:HD12	1:45:A:THR:H	8	1.96
(1,1391)	1:42:A:LEU:HD13	1:45:A:THR:H	8	1.96
(1,1391)	1:42:A:LEU:HD21	1:45:A:THR:H	8	1.96
(1,1391)	1:42:A:LEU:HD22	1:45:A:THR:H	8	1.96
(1,1391)	1:42:A:LEU:HD23	1:45:A:THR:H	8	1.96
(1,1391)	1:42:A:LEU:HD11	1:45:A:THR:H	13	1.96
(1,1391)	1:42:A:LEU:HD12	1:45:A:THR:H	13	1.96
(1,1391)	1:42:A:LEU:HD13	1:45:A:THR:H	13	1.96
(1,1391)	1:42:A:LEU:HD21	1:45:A:THR:H	13	1.96
(1,1391)	1:42:A:LEU:HD22	1:45:A:THR:H	13	1.96
(1,1391)	1:42:A:LEU:HD23	1:45:A:THR:H	13	1.96
(1,1385)	1:41:A:SER:HA	1:44:A:THR:HB	15	1.96
(1,1380)	1:40:A:ARG:H	1:41:A:SER:HA	1	1.96
(1,1333)	1:31:A:THR:HA	1:30:A:LYS:HG2	3	1.96
(1,1333)	1:31:A:THR:HA	1:30:A:LYS:HG2	4	1.96
(1,1333)	1:31:A:THR:HA	1:30:A:LYS:HG2	6	1.96
(1,1333)	1:31:A:THR:HA	1:30:A:LYS:HG2	12	1.96
(1,1333)	1:31:A:THR:HA	1:30:A:LYS:HG2	13	1.96
(1,1333)	1:31:A:THR:HA	1:30:A:LYS:HG2	14	1.96
(1,1328)	1:27:A:VAL:HB	1:28:A:ALA:HA	1	1.96
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG21	2	1.96
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG22	2	1.96
(1,1295)	1:17:A:LEU:HA	1:19:A:VAL:HG23	2	1.96
(1,1294)	1:17:A:LEU:H	1:18:A:VAL:HB	1	1.96
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD21	9	1.96
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD22	9	1.96
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD23	9	1.96
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG11	11	1.96
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG12	11	1.96
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG13	11	1.96
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD11	2	1.96
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD12	2	1.96
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD13	2	1.96
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD11	2	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD12	2	1.96
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD13	2	1.96
(1,1256)	1:10:A:LEU:HA	1:12:A:VAL:H	3	1.96
(1,1256)	1:10:A:LEU:HA	1:12:A:VAL:H	15	1.96
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG21	6	1.96
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG22	6	1.96
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG23	6	1.96
(1,1249)	1:8:A:GLU:HB2	1:5:A:GLY:H	2	1.96
(1,1249)	1:8:A:GLU:HB2	1:5:A:GLY:H	10	1.96
(1,2239)	1:103:A:GLU:H	1:100:A:ASP:H	5	1.95
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD1	4	1.95
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD2	4	1.95
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD1	4	1.95
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD2	4	1.95
(1,2175)	1:94:A:ARG:HG3	1:95:A:SER:H	8	1.95
(1,2153)	1:91:A:SER:HA	1:93:A:LYS:H	3	1.95
(1,2047)	1:79:A:LYS:H	1:80:A:ALA:HA	3	1.95
(1,2047)	1:79:A:LYS:H	1:80:A:ALA:HA	5	1.95
(1,2047)	1:79:A:LYS:H	1:80:A:ALA:HA	9	1.95
(1,2047)	1:79:A:LYS:H	1:80:A:ALA:HA	13	1.95
(1,2047)	1:79:A:LYS:H	1:80:A:ALA:HA	15	1.95
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG21	1	1.95
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG22	1	1.95
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG23	1	1.95
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG21	4	1.95
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG22	4	1.95
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG23	4	1.95
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG21	7	1.95
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG22	7	1.95
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG23	7	1.95
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG21	11	1.95
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG22	11	1.95
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG23	11	1.95
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG21	14	1.95
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG22	14	1.95
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG23	14	1.95
(1,1971)	1:71:A:LEU:H	1:67:A:GLU:HB2	2	1.95
(1,1948)	1:67:A:GLU:HG3	1:70:A:SER:HB2	15	1.95
(1,1942)	1:67:A:GLU:H	1:66:A:VAL:HB	5	1.95
(1,1942)	1:67:A:GLU:H	1:66:A:VAL:HB	7	1.95
(1,1937)	1:66:A:VAL:HA	1:69:A:ALA:HA	10	1.95
(1,1937)	1:66:A:VAL:HA	1:69:A:ALA:HA	13	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1918)	1:65:A:LYS:H	1:62:A:SER:HB2	12	1.95
(1,1899)	1:63:A:LEU:HB2	1:62:A:SER:HB2	7	1.95
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG2	2	1.95
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG3	2	1.95
(1,1847)	1:73:A:ASN:H	1:71:A:LEU:H	1	1.95
(1,1847)	1:73:A:ASN:H	1:71:A:LEU:H	2	1.95
(1,1847)	1:73:A:ASN:H	1:71:A:LEU:H	10	1.95
(1,1847)	1:73:A:ASN:H	1:71:A:LEU:H	11	1.95
(1,1847)	1:73:A:ASN:H	1:71:A:LEU:H	12	1.95
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG2	12	1.95
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG3	12	1.95
(1,1832)	1:48:A:ASN:HA	1:47:A:GLN:HG2	14	1.95
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG21	7	1.95
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG22	7	1.95
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG23	7	1.95
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG21	7	1.95
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG22	7	1.95
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG23	7	1.95
(1,1782)	1:40:A:ARG:HG3	1:44:A:THR:HB	4	1.95
(1,1735)	1:29:A:VAL:HA	1:32:A:VAL:H	4	1.95
(1,1735)	1:29:A:VAL:HA	1:32:A:VAL:H	8	1.95
(1,1735)	1:29:A:VAL:HA	1:32:A:VAL:H	14	1.95
(1,1712)	1:25:A:LEU:H	1:23:A:GLN:H	1	1.95
(1,1572)	1:4:A:ILE:HD11	1:2:A:PHE:HA	14	1.95
(1,1572)	1:4:A:ILE:HD12	1:2:A:PHE:HA	14	1.95
(1,1572)	1:4:A:ILE:HD13	1:2:A:PHE:HA	14	1.95
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD1	4	1.95
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD2	4	1.95
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD1	4	1.95
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD2	4	1.95
(1,1513)	1:90:A:GLU:HG2	1:93:A:LYS:H	8	1.95
(1,1513)	1:90:A:GLU:HG3	1:93:A:LYS:H	8	1.95
(1,1509)	1:88:A:ALA:H	1:85:A:LEU:HG	2	1.95
(1,1509)	1:88:A:ALA:H	1:85:A:LEU:HG	3	1.95
(1,1509)	1:88:A:ALA:H	1:85:A:LEU:HG	4	1.95
(1,1509)	1:88:A:ALA:H	1:85:A:LEU:HG	9	1.95
(1,1509)	1:88:A:ALA:H	1:85:A:LEU:HG	13	1.95
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD11	7	1.95
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD12	7	1.95
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD13	7	1.95
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD21	7	1.95
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD22	7	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1501)	1:86:A:ARG:HA	1:85:A:LEU:HD23	7	1.95
(1,1484)	1:78:A:LEU:HG	1:81:A:SER:HB2	2	1.95
(1,1484)	1:78:A:LEU:HG	1:81:A:SER:HB2	5	1.95
(1,1484)	1:78:A:LEU:HG	1:81:A:SER:HB2	11	1.95
(1,1480)	1:75:A:THR:H	1:77:A:GLU:HB2	3	1.95
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD11	4	1.95
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD12	4	1.95
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD13	4	1.95
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD21	4	1.95
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD22	4	1.95
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD23	4	1.95
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD11	3	1.95
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD12	3	1.95
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD13	3	1.95
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD11	4	1.95
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD12	4	1.95
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD13	4	1.95
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD11	7	1.95
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD12	7	1.95
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD13	7	1.95
(1,1441)	1:60:A:GLN:H	1:56:A:LEU:H	11	1.95
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE21	3	1.95
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE22	3	1.95
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB1	11	1.95
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB2	11	1.95
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB3	11	1.95
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB1	10	1.95
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB2	10	1.95
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB3	10	1.95
(1,1391)	1:42:A:LEU:HD11	1:45:A:THR:H	5	1.95
(1,1391)	1:42:A:LEU:HD12	1:45:A:THR:H	5	1.95
(1,1391)	1:42:A:LEU:HD13	1:45:A:THR:H	5	1.95
(1,1391)	1:42:A:LEU:HD21	1:45:A:THR:H	5	1.95
(1,1391)	1:42:A:LEU:HD22	1:45:A:THR:H	5	1.95
(1,1391)	1:42:A:LEU:HD23	1:45:A:THR:H	5	1.95
(1,1390)	1:42:A:LEU:H	1:40:A:ARG:HA	15	1.95
(1,1380)	1:40:A:ARG:H	1:41:A:SER:HA	2	1.95
(1,1380)	1:40:A:ARG:H	1:41:A:SER:HA	4	1.95
(1,1380)	1:40:A:ARG:H	1:41:A:SER:HA	11	1.95
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB1	1	1.95
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB2	1	1.95
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB3	1	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB1	2	1.95
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB2	2	1.95
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB3	2	1.95
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB1	11	1.95
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB2	11	1.95
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB3	11	1.95
(1,1294)	1:17:A:LEU:H	1:18:A:VAL:HB	11	1.95
(1,1256)	1:10:A:LEU:HA	1:12:A:VAL:H	8	1.95
(1,1249)	1:8:A:GLU:HB2	1:5:A:GLY:H	5	1.95
(4,138)	1:56:A:LEU:O	1:60:A:GLN:N	9	1.94
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB1	9	1.94
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB2	9	1.94
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB3	9	1.94
(1,2198)	1:96:A:TYR:H	1:100:A:ASP:H	6	1.94
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE1	9	1.94
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE2	9	1.94
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE3	9	1.94
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE1	9	1.94
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE2	9	1.94
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE3	9	1.94
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE1	15	1.94
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE2	15	1.94
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE3	15	1.94
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE1	15	1.94
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE2	15	1.94
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE3	15	1.94
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG21	10	1.94
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG22	10	1.94
(1,2178)	1:94:A:ARG:H	1:97:A:VAL:HG23	10	1.94
(1,2128)	1:87:A:GLN:HG2	1:84:A:GLU:HA	10	1.94
(1,2104)	1:84:A:GLU:H	1:85:A:LEU:HB2	12	1.94
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD11	8	1.94
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD12	8	1.94
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD13	8	1.94
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD11	15	1.94
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD12	15	1.94
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD13	15	1.94
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD21	14	1.94
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD22	14	1.94
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD23	14	1.94
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG21	14	1.94
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG22	14	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG23	14	1.94
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG21	2	1.94
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG22	2	1.94
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG23	2	1.94
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG21	10	1.94
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG22	10	1.94
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG23	10	1.94
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG21	12	1.94
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG22	12	1.94
(1,1992)	1:73:A:ASN:HA	1:72:A:THR:HG23	12	1.94
(1,1971)	1:71:A:LEU:H	1:67:A:GLU:HB2	1	1.94
(1,1937)	1:66:A:VAL:HA	1:69:A:ALA:HA	9	1.94
(1,1933)	1:65:A:LYS:H	1:68:A:LYS:H	3	1.94
(1,1892)	1:62:A:SER:HA	1:63:A:LEU:HB2	4	1.94
(1,1892)	1:62:A:SER:HA	1:63:A:LEU:HB2	12	1.94
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG2	2	1.94
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG3	2	1.94
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD21	15	1.94
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD22	15	1.94
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD23	15	1.94
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD1	11	1.94
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD2	11	1.94
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG2	10	1.94
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG3	10	1.94
(1,1832)	1:48:A:ASN:HA	1:47:A:GLN:HG2	3	1.94
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG21	4	1.94
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG22	4	1.94
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG23	4	1.94
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG21	4	1.94
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG22	4	1.94
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG23	4	1.94
(1,1572)	1:4:A:ILE:HD11	1:2:A:PHE:HA	1	1.94
(1,1572)	1:4:A:ILE:HD12	1:2:A:PHE:HA	1	1.94
(1,1572)	1:4:A:ILE:HD13	1:2:A:PHE:HA	1	1.94
(1,1572)	1:4:A:ILE:HD11	1:2:A:PHE:HA	9	1.94
(1,1572)	1:4:A:ILE:HD12	1:2:A:PHE:HA	9	1.94
(1,1572)	1:4:A:ILE:HD13	1:2:A:PHE:HA	9	1.94
(1,1572)	1:4:A:ILE:HD11	1:2:A:PHE:HA	12	1.94
(1,1572)	1:4:A:ILE:HD12	1:2:A:PHE:HA	12	1.94
(1,1572)	1:4:A:ILE:HD13	1:2:A:PHE:HA	12	1.94
(1,1572)	1:4:A:ILE:HD11	1:2:A:PHE:HA	15	1.94
(1,1572)	1:4:A:ILE:HD12	1:2:A:PHE:HA	15	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1572)	1:4:A:ILE:HD13	1:2:A:PHE:HA	15	1.94
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB1	1	1.94
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB2	1	1.94
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB3	1	1.94
(1,1513)	1:90:A:GLU:HG2	1:93:A:LYS:H	4	1.94
(1,1513)	1:90:A:GLU:HG3	1:93:A:LYS:H	4	1.94
(1,1513)	1:90:A:GLU:HG2	1:93:A:LYS:H	9	1.94
(1,1513)	1:90:A:GLU:HG3	1:93:A:LYS:H	9	1.94
(1,1509)	1:88:A:ALA:H	1:85:A:LEU:HG	5	1.94
(1,1509)	1:88:A:ALA:H	1:85:A:LEU:HG	7	1.94
(1,1509)	1:88:A:ALA:H	1:85:A:LEU:HG	8	1.94
(1,1509)	1:88:A:ALA:H	1:85:A:LEU:HG	10	1.94
(1,1509)	1:88:A:ALA:H	1:85:A:LEU:HG	11	1.94
(1,1509)	1:88:A:ALA:H	1:85:A:LEU:HG	12	1.94
(1,1496)	1:84:A:GLU:HB2	1:85:A:LEU:HG	14	1.94
(1,1486)	1:79:A:LYS:H	1:81:A:SER:H	10	1.94
(1,1486)	1:79:A:LYS:H	1:81:A:SER:H	12	1.94
(1,1486)	1:79:A:LYS:H	1:81:A:SER:H	14	1.94
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD11	8	1.94
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD12	8	1.94
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD13	8	1.94
(1,1441)	1:60:A:GLN:H	1:56:A:LEU:H	8	1.94
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB1	3	1.94
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB2	3	1.94
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB3	3	1.94
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG21	3	1.94
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG22	3	1.94
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG23	3	1.94
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB1	6	1.94
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB2	6	1.94
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB3	6	1.94
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG11	1	1.94
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG12	1	1.94
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG13	1	1.94
(1,1320)	1:26:A:PRO:HA	1:30:A:LYS:HG3	7	1.94
(1,1320)	1:26:A:PRO:HA	1:30:A:LYS:HG3	10	1.94
(1,1320)	1:26:A:PRO:HA	1:30:A:LYS:HG3	13	1.94
(1,1308)	1:20:A:LEU:HD11	1:17:A:LEU:HA	2	1.94
(1,1308)	1:20:A:LEU:HD12	1:17:A:LEU:HA	2	1.94
(1,1308)	1:20:A:LEU:HD13	1:17:A:LEU:HA	2	1.94
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG21	11	1.94
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG22	11	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG23	11	1.94
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG21	8	1.94
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG22	8	1.94
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG23	8	1.94
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG21	7	1.94
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG22	7	1.94
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG23	7	1.94
(1,1249)	1:8:A:GLU:HB2	1:5:A:GLY:H	1	1.94
(1,1249)	1:8:A:GLU:HB2	1:5:A:GLY:H	4	1.94
(1,1249)	1:8:A:GLU:HB2	1:5:A:GLY:H	9	1.94
(1,1249)	1:8:A:GLU:HB2	1:5:A:GLY:H	14	1.94
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG21	5	1.94
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG22	5	1.94
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG23	5	1.94
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB2	10	1.93
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB3	10	1.93
(1,2196)	1:96:A:TYR:HA	1:99:A:ASN:HB2	5	1.93
(1,2196)	1:96:A:TYR:HA	1:99:A:ASN:HB3	5	1.93
(1,2175)	1:94:A:ARG:HG3	1:95:A:SER:H	6	1.93
(1,2148)	1:91:A:SER:HB2	1:87:A:GLN:HG2	12	1.93
(1,2148)	1:91:A:SER:HB3	1:87:A:GLN:HG2	12	1.93
(1,2128)	1:87:A:GLN:HG2	1:84:A:GLU:HA	1	1.93
(1,2128)	1:87:A:GLN:HG2	1:84:A:GLU:HA	8	1.93
(1,2115)	1:86:A:ARG:HB2	1:83:A:ASP:HB2	6	1.93
(1,2115)	1:86:A:ARG:HB3	1:83:A:ASP:HB2	6	1.93
(1,2108)	1:85:A:LEU:H	1:82:A:MET:HB2	5	1.93
(1,2108)	1:85:A:LEU:H	1:82:A:MET:HB2	11	1.93
(1,2104)	1:84:A:GLU:H	1:85:A:LEU:HB2	5	1.93
(1,2104)	1:84:A:GLU:H	1:85:A:LEU:HB2	11	1.93
(1,2083)	1:83:A:ASP:HA	1:85:A:LEU:H	13	1.93
(1,2047)	1:79:A:LYS:H	1:80:A:ALA:HA	4	1.93
(1,2047)	1:79:A:LYS:H	1:80:A:ALA:HA	14	1.93
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD21	4	1.93
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD22	4	1.93
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD23	4	1.93
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG21	4	1.93
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG22	4	1.93
(1,2003)	1:74:A:LEU:H	1:72:A:THR:HG23	4	1.93
(1,1995)	1:73:A:ASN:HA	1:72:A:THR:H	13	1.93
(1,1952)	1:68:A:LYS:H	1:66:A:VAL:HA	11	1.93
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE2	10	1.93
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE3	10	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1933)	1:65:A:LYS:H	1:68:A:LYS:H	13	1.93
(1,1899)	1:63:A:LEU:HB2	1:62:A:SER:HB2	1	1.93
(1,1892)	1:62:A:SER:HA	1:63:A:LEU:HB2	3	1.93
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG2	1	1.93
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG3	1	1.93
(1,1881)	1:61:A:ASP:HB2	1:60:A:GLN:HA	3	1.93
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG2	2	1.93
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG3	2	1.93
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG2	15	1.93
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG3	15	1.93
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG21	5	1.93
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG22	5	1.93
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG23	5	1.93
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG2	4	1.93
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG3	4	1.93
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG2	5	1.93
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG3	5	1.93
(1,1832)	1:48:A:ASN:HA	1:47:A:GLN:HG2	10	1.93
(1,1814)	1:45:A:THR:HB	1:48:A:ASN:H	11	1.93
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD2	8	1.93
(1,1777)	1:40:A:ARG:H	1:37:A:ARG:HD3	8	1.93
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB1	8	1.93
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB2	8	1.93
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB3	8	1.93
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB1	13	1.93
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB2	13	1.93
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB3	13	1.93
(1,1735)	1:29:A:VAL:HA	1:32:A:VAL:H	5	1.93
(1,1735)	1:29:A:VAL:HA	1:32:A:VAL:H	12	1.93
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB2	3	1.93
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB3	3	1.93
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB2	6	1.93
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB3	6	1.93
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB2	9	1.93
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB3	9	1.93
(1,1729)	1:29:A:VAL:H	1:27:A:VAL:HA	1	1.93
(1,1618)	1:9:A:LEU:HA	1:12:A:VAL:HA	4	1.93
(1,1618)	1:9:A:LEU:HA	1:12:A:VAL:HA	14	1.93
(1,1572)	1:4:A:ILE:HD11	1:2:A:PHE:HA	5	1.93
(1,1572)	1:4:A:ILE:HD12	1:2:A:PHE:HA	5	1.93
(1,1572)	1:4:A:ILE:HD13	1:2:A:PHE:HA	5	1.93
(1,1559)	1:2:A:PHE:HD1	1:4:A:ILE:HB	13	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1559)	1:2:A:PHE:HD2	1:4:A:ILE:HB	13	1.93
(1,1539)	1:102:A:LEU:HB2	1:101:A:PRO:HA	3	1.93
(1,1480)	1:75:A:THR:H	1:77:A:GLU:HB2	2	1.93
(1,1480)	1:75:A:THR:H	1:77:A:GLU:HB2	15	1.93
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD11	14	1.93
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD12	14	1.93
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD13	14	1.93
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD21	14	1.93
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD22	14	1.93
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD23	14	1.93
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD11	15	1.93
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD12	15	1.93
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD13	15	1.93
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG2	9	1.93
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG3	9	1.93
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB2	3	1.93
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB3	3	1.93
(1,1441)	1:60:A:GLN:H	1:56:A:LEU:H	1	1.93
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG2	14	1.93
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG3	14	1.93
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB1	3	1.93
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB2	3	1.93
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB3	3	1.93
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG11	3	1.93
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG12	3	1.93
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG13	3	1.93
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG11	6	1.93
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG12	6	1.93
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG13	6	1.93
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG11	9	1.93
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG12	9	1.93
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG13	9	1.93
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG11	10	1.93
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG12	10	1.93
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG13	10	1.93
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG11	11	1.93
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG12	11	1.93
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG13	11	1.93
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD11	12	1.93
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD12	12	1.93
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD13	12	1.93
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD11	13	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD12	13	1.93
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD13	13	1.93
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG21	12	1.93
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG22	12	1.93
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG23	12	1.93
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG21	12	1.93
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG22	12	1.93
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG23	12	1.93
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD11	15	1.92
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD12	15	1.92
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD13	15	1.92
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB1	12	1.92
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB2	12	1.92
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB3	12	1.92
(1,2198)	1:96:A:TYR:H	1:100:A:ASP:H	5	1.92
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE1	12	1.92
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE2	12	1.92
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE3	12	1.92
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE1	12	1.92
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE2	12	1.92
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE3	12	1.92
(1,2148)	1:91:A:SER:HB2	1:87:A:GLN:HG2	8	1.92
(1,2148)	1:91:A:SER:HB3	1:87:A:GLN:HG2	8	1.92
(1,2128)	1:87:A:GLN:HG2	1:84:A:GLU:HA	2	1.92
(1,2128)	1:87:A:GLN:HG2	1:84:A:GLU:HA	4	1.92
(1,2128)	1:87:A:GLN:HG2	1:84:A:GLU:HA	9	1.92
(1,2127)	1:87:A:GLN:HE21	1:83:A:ASP:HB3	12	1.92
(1,2115)	1:86:A:ARG:HB2	1:83:A:ASP:HB2	13	1.92
(1,2115)	1:86:A:ARG:HB3	1:83:A:ASP:HB2	13	1.92
(1,2115)	1:86:A:ARG:HB2	1:83:A:ASP:HB2	15	1.92
(1,2115)	1:86:A:ARG:HB3	1:83:A:ASP:HB2	15	1.92
(1,2108)	1:85:A:LEU:H	1:82:A:MET:HB2	3	1.92
(1,2104)	1:84:A:GLU:H	1:85:A:LEU:HB2	8	1.92
(1,2104)	1:84:A:GLU:H	1:85:A:LEU:HB2	10	1.92
(1,2083)	1:83:A:ASP:HA	1:85:A:LEU:H	3	1.92
(1,2083)	1:83:A:ASP:HA	1:85:A:LEU:H	6	1.92
(1,2083)	1:83:A:ASP:HA	1:85:A:LEU:H	14	1.92
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD11	11	1.92
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD12	11	1.92
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD13	11	1.92
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD21	2	1.92
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD22	2	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD23	2	1.92
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD21	15	1.92
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD22	15	1.92
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD23	15	1.92
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG21	6	1.92
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG22	6	1.92
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG23	6	1.92
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD21	15	1.92
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD22	15	1.92
(1,1981)	1:72:A:THR:H	1:74:A:LEU:HD23	15	1.92
(1,1978)	1:71:A:LEU:HD21	1:72:A:THR:H	15	1.92
(1,1978)	1:71:A:LEU:HD22	1:72:A:THR:H	15	1.92
(1,1978)	1:71:A:LEU:HD23	1:72:A:THR:H	15	1.92
(1,1952)	1:68:A:LYS:H	1:66:A:VAL:HA	6	1.92
(1,1942)	1:67:A:GLU:H	1:66:A:VAL:HB	11	1.92
(1,1900)	1:63:A:LEU:HG	1:62:A:SER:HB3	10	1.92
(1,1892)	1:62:A:SER:HA	1:63:A:LEU:HB2	14	1.92
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD1	8	1.92
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD2	8	1.92
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD11	2	1.92
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD12	2	1.92
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD13	2	1.92
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD21	2	1.92
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD22	2	1.92
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD23	2	1.92
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG2	4	1.92
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG3	4	1.92
(1,1831)	1:47:A:GLN:HG2	1:48:A:ASN:H	12	1.92
(1,1831)	1:47:A:GLN:HG3	1:48:A:ASN:H	12	1.92
(1,1814)	1:45:A:THR:HB	1:48:A:ASN:H	10	1.92
(1,1789)	1:42:A:LEU:H	1:44:A:THR:H	1	1.92
(1,1789)	1:42:A:LEU:H	1:44:A:THR:H	6	1.92
(1,1789)	1:42:A:LEU:H	1:44:A:THR:H	12	1.92
(1,1789)	1:42:A:LEU:H	1:44:A:THR:H	13	1.92
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG21	13	1.92
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG22	13	1.92
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG23	13	1.92
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG21	13	1.92
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG22	13	1.92
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG23	13	1.92
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB2	4	1.92
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB3	4	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB2	5	1.92
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB3	5	1.92
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB2	7	1.92
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB3	7	1.92
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB2	8	1.92
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB3	8	1.92
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB2	10	1.92
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB3	10	1.92
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB2	12	1.92
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB3	12	1.92
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB2	13	1.92
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB3	13	1.92
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB2	14	1.92
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB3	14	1.92
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB2	15	1.92
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB3	15	1.92
(1,1729)	1:29:A:VAL:H	1:27:A:VAL:HA	10	1.92
(1,1729)	1:29:A:VAL:H	1:27:A:VAL:HA	11	1.92
(1,1712)	1:25:A:LEU:H	1:23:A:GLN:H	6	1.92
(1,1582)	1:4:A:ILE:HD11	1:6:A:PHE:H	3	1.92
(1,1582)	1:4:A:ILE:HD12	1:6:A:PHE:H	3	1.92
(1,1582)	1:4:A:ILE:HD13	1:6:A:PHE:H	3	1.92
(1,1582)	1:4:A:ILE:HD11	1:6:A:PHE:H	9	1.92
(1,1582)	1:4:A:ILE:HD12	1:6:A:PHE:H	9	1.92
(1,1582)	1:4:A:ILE:HD13	1:6:A:PHE:H	9	1.92
(1,1582)	1:4:A:ILE:HD11	1:6:A:PHE:H	10	1.92
(1,1582)	1:4:A:ILE:HD12	1:6:A:PHE:H	10	1.92
(1,1582)	1:4:A:ILE:HD13	1:6:A:PHE:H	10	1.92
(1,1577)	1:4:A:ILE:HG13	1:4:A:ILE:H	2	1.92
(1,1577)	1:4:A:ILE:HG13	1:4:A:ILE:H	4	1.92
(1,1577)	1:4:A:ILE:HG13	1:4:A:ILE:H	6	1.92
(1,1577)	1:4:A:ILE:HG13	1:4:A:ILE:H	10	1.92
(1,1572)	1:4:A:ILE:HD11	1:2:A:PHE:HA	3	1.92
(1,1572)	1:4:A:ILE:HD12	1:2:A:PHE:HA	3	1.92
(1,1572)	1:4:A:ILE:HD13	1:2:A:PHE:HA	3	1.92
(1,1572)	1:4:A:ILE:HD11	1:2:A:PHE:HA	7	1.92
(1,1572)	1:4:A:ILE:HD12	1:2:A:PHE:HA	7	1.92
(1,1572)	1:4:A:ILE:HD13	1:2:A:PHE:HA	7	1.92
(1,1572)	1:4:A:ILE:HD11	1:2:A:PHE:HA	8	1.92
(1,1572)	1:4:A:ILE:HD12	1:2:A:PHE:HA	8	1.92
(1,1572)	1:4:A:ILE:HD13	1:2:A:PHE:HA	8	1.92
(1,1544)	1:1:A:MET:HA	1:3:A:ASP:H	12	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1540)	1:103:A:GLU:H	1:101:A:PRO:HA	14	1.92
(1,1518)	1:92:A:MET:HG3	1:91:A:SER:H	1	1.92
(1,1518)	1:92:A:MET:HG3	1:91:A:SER:H	7	1.92
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB1	7	1.92
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB2	7	1.92
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB3	7	1.92
(1,1513)	1:90:A:GLU:HG2	1:93:A:LYS:H	3	1.92
(1,1513)	1:90:A:GLU:HG3	1:93:A:LYS:H	3	1.92
(1,1486)	1:79:A:LYS:H	1:81:A:SER:H	1	1.92
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG21	3	1.92
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG22	3	1.92
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG23	3	1.92
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG21	3	1.92
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG22	3	1.92
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG23	3	1.92
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG21	3	1.92
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG22	3	1.92
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG23	3	1.92
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG21	9	1.92
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG22	9	1.92
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG23	9	1.92
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG21	9	1.92
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG22	9	1.92
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG23	9	1.92
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG21	9	1.92
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG22	9	1.92
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG23	9	1.92
(1,1469)	1:73:A:ASN:H	1:70:A:SER:H	10	1.92
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD2	13	1.92
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD3	13	1.92
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD11	13	1.92
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD12	13	1.92
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD13	13	1.92
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB2	4	1.92
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB3	4	1.92
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB1	5	1.92
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB2	5	1.92
(1,1405)	1:45:A:THR:HA	1:43:A:ALA:HB3	5	1.92
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG2	12	1.92
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG3	12	1.92
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB2	5	1.92
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB3	5	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB2	9	1.92
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB3	9	1.92
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG21	6	1.92
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG22	6	1.92
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG23	6	1.92
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG21	13	1.92
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG22	13	1.92
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG23	13	1.92
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB1	4	1.92
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB2	4	1.92
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB3	4	1.92
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB1	7	1.92
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB2	7	1.92
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB3	7	1.92
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB1	9	1.92
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB2	9	1.92
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB3	9	1.92
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB1	10	1.92
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB2	10	1.92
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB3	10	1.92
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG11	2	1.92
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG12	2	1.92
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG13	2	1.92
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG11	7	1.92
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG12	7	1.92
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG13	7	1.92
(1,1320)	1:26:A:PRO:HA	1:30:A:LYS:HG3	5	1.92
(1,1320)	1:26:A:PRO:HA	1:30:A:LYS:HG3	8	1.92
(1,1320)	1:26:A:PRO:HA	1:30:A:LYS:HG3	9	1.92
(1,1311)	1:20:A:LEU:HD11	1:19:A:VAL:H	13	1.92
(1,1311)	1:20:A:LEU:HD12	1:19:A:VAL:H	13	1.92
(1,1311)	1:20:A:LEU:HD13	1:19:A:VAL:H	13	1.92
(1,1308)	1:20:A:LEU:HD11	1:17:A:LEU:HA	9	1.92
(1,1308)	1:20:A:LEU:HD12	1:17:A:LEU:HA	9	1.92
(1,1308)	1:20:A:LEU:HD13	1:17:A:LEU:HA	9	1.92
(1,1292)	1:17:A:LEU:H	1:14:A:ILE:HB	12	1.92
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD11	7	1.92
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD12	7	1.92
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD13	7	1.92
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD11	15	1.92
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD12	15	1.92
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD13	15	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD11	15	1.92
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD12	15	1.92
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD13	15	1.92
(1,1254)	1:10:A:LEU:H	1:9:A:LEU:HG	5	1.92
(1,1249)	1:8:A:GLU:HB2	1:5:A:GLY:H	6	1.92
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG21	8	1.92
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG22	8	1.92
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG23	8	1.92
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG21	9	1.92
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG22	9	1.92
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG23	9	1.92
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD11	13	1.91
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD12	13	1.91
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD13	13	1.91
(1,2215)	1:98:A:ALA:H	1:99:A:ASN:HA	14	1.91
(1,2213)	1:98:A:ALA:H	1:97:A:VAL:HB	3	1.91
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD1	8	1.91
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD2	8	1.91
(1,2196)	1:96:A:TYR:HA	1:99:A:ASN:HB2	14	1.91
(1,2196)	1:96:A:TYR:HA	1:99:A:ASN:HB3	14	1.91
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE2	2	1.91
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE3	2	1.91
(1,2149)	1:91:A:SER:H	1:88:A:ALA:HA	14	1.91
(1,2115)	1:86:A:ARG:HB2	1:83:A:ASP:HB2	1	1.91
(1,2115)	1:86:A:ARG:HB3	1:83:A:ASP:HB2	1	1.91
(1,2115)	1:86:A:ARG:HB2	1:83:A:ASP:HB2	2	1.91
(1,2115)	1:86:A:ARG:HB3	1:83:A:ASP:HB2	2	1.91
(1,2115)	1:86:A:ARG:HB2	1:83:A:ASP:HB2	9	1.91
(1,2115)	1:86:A:ARG:HB3	1:83:A:ASP:HB2	9	1.91
(1,2108)	1:85:A:LEU:H	1:82:A:MET:HB2	1	1.91
(1,2108)	1:85:A:LEU:H	1:82:A:MET:HB2	2	1.91
(1,2108)	1:85:A:LEU:H	1:82:A:MET:HB2	4	1.91
(1,2108)	1:85:A:LEU:H	1:82:A:MET:HB2	8	1.91
(1,2108)	1:85:A:LEU:H	1:82:A:MET:HB2	10	1.91
(1,2104)	1:84:A:GLU:H	1:85:A:LEU:HB2	1	1.91
(1,2104)	1:84:A:GLU:H	1:85:A:LEU:HB2	2	1.91
(1,2104)	1:84:A:GLU:H	1:85:A:LEU:HB2	3	1.91
(1,2083)	1:83:A:ASP:HA	1:85:A:LEU:H	9	1.91
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD11	5	1.91
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD12	5	1.91
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD13	5	1.91
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD11	9	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD12	9	1.91
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD13	9	1.91
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD11	13	1.91
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD12	13	1.91
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD13	13	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD21	1	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD22	1	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD23	1	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD21	3	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD22	3	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD23	3	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD21	5	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD22	5	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD23	5	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD21	7	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD22	7	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD23	7	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD21	9	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD22	9	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD23	9	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD21	10	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD22	10	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD23	10	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD21	11	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD22	11	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD23	11	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD21	12	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD22	12	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD23	12	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD21	13	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD22	13	1.91
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD23	13	1.91
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG21	8	1.91
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG22	8	1.91
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG23	8	1.91
(1,1948)	1:67:A:GLU:HG3	1:70:A:SER:HB2	6	1.91
(1,1942)	1:67:A:GLU:H	1:66:A:VAL:HB	8	1.91
(1,1937)	1:66:A:VAL:HA	1:69:A:ALA:HA	2	1.91
(1,1892)	1:62:A:SER:HA	1:63:A:LEU:HB2	2	1.91
(1,1881)	1:61:A:ASP:HB2	1:60:A:GLN:HA	6	1.91
(1,1832)	1:48:A:ASN:HA	1:47:A:GLN:HG2	11	1.91
(1,1832)	1:48:A:ASN:HA	1:47:A:GLN:HG2	12	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB1	14	1.91
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB2	14	1.91
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB3	14	1.91
(1,1735)	1:29:A:VAL:HA	1:32:A:VAL:H	13	1.91
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB2	2	1.91
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB3	2	1.91
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB2	11	1.91
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB3	11	1.91
(1,1712)	1:25:A:LEU:H	1:23:A:GLN:H	3	1.91
(1,1712)	1:25:A:LEU:H	1:23:A:GLN:H	4	1.91
(1,1712)	1:25:A:LEU:H	1:23:A:GLN:H	5	1.91
(1,1712)	1:25:A:LEU:H	1:23:A:GLN:H	10	1.91
(1,1712)	1:25:A:LEU:H	1:23:A:GLN:H	14	1.91
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG21	5	1.91
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG22	5	1.91
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG23	5	1.91
(1,1582)	1:4:A:ILE:HD11	1:6:A:PHE:H	1	1.91
(1,1582)	1:4:A:ILE:HD12	1:6:A:PHE:H	1	1.91
(1,1582)	1:4:A:ILE:HD13	1:6:A:PHE:H	1	1.91
(1,1582)	1:4:A:ILE:HD11	1:6:A:PHE:H	2	1.91
(1,1582)	1:4:A:ILE:HD12	1:6:A:PHE:H	2	1.91
(1,1582)	1:4:A:ILE:HD13	1:6:A:PHE:H	2	1.91
(1,1582)	1:4:A:ILE:HD11	1:6:A:PHE:H	4	1.91
(1,1582)	1:4:A:ILE:HD12	1:6:A:PHE:H	4	1.91
(1,1582)	1:4:A:ILE:HD13	1:6:A:PHE:H	4	1.91
(1,1582)	1:4:A:ILE:HD11	1:6:A:PHE:H	14	1.91
(1,1582)	1:4:A:ILE:HD12	1:6:A:PHE:H	14	1.91
(1,1582)	1:4:A:ILE:HD13	1:6:A:PHE:H	14	1.91
(1,1567)	1:3:A:ASP:HB2	1:4:A:ILE:HB	15	1.91
(1,1565)	1:3:A:ASP:HB3	1:4:A:ILE:H	11	1.91
(1,1544)	1:1:A:MET:HA	1:3:A:ASP:H	2	1.91
(1,1544)	1:1:A:MET:HA	1:3:A:ASP:H	4	1.91
(1,1544)	1:1:A:MET:HA	1:3:A:ASP:H	6	1.91
(1,1538)	1:101:A:PRO:HG3	1:102:A:LEU:H	14	1.91
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB1	6	1.91
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB2	6	1.91
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB3	6	1.91
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB1	14	1.91
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB2	14	1.91
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB3	14	1.91
(1,1480)	1:75:A:THR:H	1:77:A:GLU:HB2	5	1.91
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG21	13	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG22	13	1.91
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG23	13	1.91
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG21	13	1.91
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG22	13	1.91
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG23	13	1.91
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG21	13	1.91
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG22	13	1.91
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG23	13	1.91
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG21	4	1.91
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG22	4	1.91
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG23	4	1.91
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG21	4	1.91
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG22	4	1.91
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG23	4	1.91
(1,1382)	1:41:A:SER:H	1:38:A:ALA:HA	6	1.91
(1,1380)	1:40:A:ARG:H	1:41:A:SER:HA	5	1.91
(1,1380)	1:40:A:ARG:H	1:41:A:SER:HA	10	1.91
(1,1380)	1:40:A:ARG:H	1:41:A:SER:HA	13	1.91
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG21	4	1.91
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG22	4	1.91
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG23	4	1.91
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG21	5	1.91
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG22	5	1.91
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG23	5	1.91
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG21	8	1.91
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG22	8	1.91
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG23	8	1.91
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG21	12	1.91
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG22	12	1.91
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG23	12	1.91
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG21	14	1.91
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG22	14	1.91
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG23	14	1.91
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG21	15	1.91
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG22	15	1.91
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG23	15	1.91
(1,1365)	1:36:A:ILE:HG12	1:35:A:TRP:H	12	1.91
(1,1365)	1:36:A:ILE:HG12	1:35:A:TRP:H	13	1.91
(1,1320)	1:26:A:PRO:HA	1:30:A:LYS:HG3	6	1.91
(1,1320)	1:26:A:PRO:HA	1:30:A:LYS:HG3	12	1.91
(1,1313)	1:21:A:GLY:H	1:20:A:LEU:HG	1	1.91
(1,1313)	1:21:A:GLY:H	1:20:A:LEU:HG	5	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1313)	1:21:A:GLY:H	1:20:A:LEU:HG	7	1.91
(1,1313)	1:21:A:GLY:H	1:20:A:LEU:HG	9	1.91
(1,1313)	1:21:A:GLY:H	1:20:A:LEU:HG	10	1.91
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD21	11	1.91
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD22	11	1.91
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD23	11	1.91
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG21	7	1.91
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG22	7	1.91
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG23	7	1.91
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD21	9	1.91
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD22	9	1.91
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD23	9	1.91
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD11	1	1.91
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD12	1	1.91
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD13	1	1.91
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD11	4	1.91
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD12	4	1.91
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD13	4	1.91
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG21	11	1.91
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG22	11	1.91
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG23	11	1.91
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG21	7	1.91
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG22	7	1.91
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG23	7	1.91
(4,138)	1:56:A:LEU:O	1:60:A:GLN:N	7	1.9
(4,138)	1:56:A:LEU:O	1:60:A:GLN:N	15	1.9
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD11	1	1.9
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD12	1	1.9
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD13	1	1.9
(1,2231)	1:101:A:PRO:HG2	1:102:A:LEU:HG	3	1.9
(1,2213)	1:98:A:ALA:H	1:97:A:VAL:HB	2	1.9
(1,2161)	1:93:A:LYS:HA	1:95:A:SER:H	10	1.9
(1,2148)	1:91:A:SER:HB2	1:87:A:GLN:HG2	2	1.9
(1,2148)	1:91:A:SER:HB3	1:87:A:GLN:HG2	2	1.9
(1,2128)	1:87:A:GLN:HG2	1:84:A:GLU:HA	6	1.9
(1,2128)	1:87:A:GLN:HG2	1:84:A:GLU:HA	15	1.9
(1,2108)	1:85:A:LEU:H	1:82:A:MET:HB2	6	1.9
(1,2108)	1:85:A:LEU:H	1:82:A:MET:HB2	7	1.9
(1,2108)	1:85:A:LEU:H	1:82:A:MET:HB2	9	1.9
(1,2108)	1:85:A:LEU:H	1:82:A:MET:HB2	12	1.9
(1,2108)	1:85:A:LEU:H	1:82:A:MET:HB2	13	1.9
(1,2108)	1:85:A:LEU:H	1:82:A:MET:HB2	15	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2104)	1:84:A:GLU:H	1:85:A:LEU:HB2	4	1.9
(1,2083)	1:83:A:ASP:HA	1:85:A:LEU:H	4	1.9
(1,2083)	1:83:A:ASP:HA	1:85:A:LEU:H	5	1.9
(1,2083)	1:83:A:ASP:HA	1:85:A:LEU:H	15	1.9
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD11	2	1.9
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD12	2	1.9
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD13	2	1.9
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD11	3	1.9
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD12	3	1.9
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD13	3	1.9
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD11	1	1.9
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD12	1	1.9
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD13	1	1.9
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD11	2	1.9
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD12	2	1.9
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD13	2	1.9
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD11	5	1.9
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD12	5	1.9
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD13	5	1.9
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD11	7	1.9
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD12	7	1.9
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD13	7	1.9
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD11	10	1.9
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD12	10	1.9
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD13	10	1.9
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD11	11	1.9
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD12	11	1.9
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD13	11	1.9
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD11	12	1.9
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD12	12	1.9
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD13	12	1.9
(1,1952)	1:68:A:LYS:H	1:66:A:VAL:HA	10	1.9
(1,1942)	1:67:A:GLU:H	1:66:A:VAL:HB	2	1.9
(1,1942)	1:67:A:GLU:H	1:66:A:VAL:HB	3	1.9
(1,1942)	1:67:A:GLU:H	1:66:A:VAL:HB	4	1.9
(1,1942)	1:67:A:GLU:H	1:66:A:VAL:HB	12	1.9
(1,1942)	1:67:A:GLU:H	1:66:A:VAL:HB	14	1.9
(1,1937)	1:66:A:VAL:HA	1:69:A:ALA:HA	1	1.9
(1,1937)	1:66:A:VAL:HA	1:69:A:ALA:HA	12	1.9
(1,1933)	1:65:A:LYS:H	1:68:A:LYS:H	4	1.9
(1,1933)	1:65:A:LYS:H	1:68:A:LYS:H	11	1.9
(1,1904)	1:63:A:LEU:H	1:66:A:VAL:HB	6	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD11	11	1.9
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD12	11	1.9
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD13	11	1.9
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG2	6	1.9
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG3	6	1.9
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD21	5	1.9
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD22	5	1.9
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD23	5	1.9
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD21	13	1.9
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD22	13	1.9
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD23	13	1.9
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD11	1	1.9
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD12	1	1.9
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD13	1	1.9
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD11	6	1.9
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD12	6	1.9
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD13	6	1.9
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG2	10	1.9
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG3	10	1.9
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG2	3	1.9
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG3	3	1.9
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG2	6	1.9
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG3	6	1.9
(1,1836)	1:48:A:ASN:HA	1:52:A:GLN:HE21	9	1.9
(1,1814)	1:45:A:THR:HB	1:48:A:ASN:H	12	1.9
(1,1814)	1:45:A:THR:HB	1:48:A:ASN:H	14	1.9
(1,1789)	1:42:A:LEU:H	1:44:A:THR:H	14	1.9
(1,1774)	1:39:A:LEU:HB2	1:36:A:ILE:HA	8	1.9
(1,1774)	1:39:A:LEU:HB3	1:36:A:ILE:HA	8	1.9
(1,1774)	1:39:A:LEU:HB2	1:36:A:ILE:HA	14	1.9
(1,1774)	1:39:A:LEU:HB3	1:36:A:ILE:HA	14	1.9
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB1	12	1.9
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB2	12	1.9
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB3	12	1.9
(1,1712)	1:25:A:LEU:H	1:23:A:GLN:H	7	1.9
(1,1712)	1:25:A:LEU:H	1:23:A:GLN:H	8	1.9
(1,1712)	1:25:A:LEU:H	1:23:A:GLN:H	9	1.9
(1,1712)	1:25:A:LEU:H	1:23:A:GLN:H	15	1.9
(1,1610)	1:8:A:GLU:HB3	1:7:A:SER:HB2	7	1.9
(1,1582)	1:4:A:ILE:HD11	1:6:A:PHE:H	8	1.9
(1,1582)	1:4:A:ILE:HD12	1:6:A:PHE:H	8	1.9
(1,1582)	1:4:A:ILE:HD13	1:6:A:PHE:H	8	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1577)	1:4:A:ILE:HG13	1:4:A:ILE:H	1	1.9
(1,1577)	1:4:A:ILE:HG13	1:4:A:ILE:H	9	1.9
(1,1577)	1:4:A:ILE:HG13	1:4:A:ILE:H	14	1.9
(1,1561)	1:2:A:PHE:H	1:4:A:ILE:H	15	1.9
(1,1538)	1:101:A:PRO:HG3	1:102:A:LEU:H	7	1.9
(1,1538)	1:101:A:PRO:HG3	1:102:A:LEU:H	10	1.9
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB1	3	1.9
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB2	3	1.9
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB3	3	1.9
(1,1509)	1:88:A:ALA:H	1:85:A:LEU:HG	14	1.9
(1,1469)	1:73:A:ASN:H	1:70:A:SER:H	1	1.9
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD11	2	1.9
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD12	2	1.9
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD13	2	1.9
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD11	6	1.9
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD12	6	1.9
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD13	6	1.9
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB2	5	1.9
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB3	5	1.9
(1,1441)	1:60:A:GLN:H	1:56:A:LEU:H	9	1.9
(1,1391)	1:42:A:LEU:HD11	1:45:A:THR:H	12	1.9
(1,1391)	1:42:A:LEU:HD12	1:45:A:THR:H	12	1.9
(1,1391)	1:42:A:LEU:HD13	1:45:A:THR:H	12	1.9
(1,1391)	1:42:A:LEU:HD21	1:45:A:THR:H	12	1.9
(1,1391)	1:42:A:LEU:HD22	1:45:A:THR:H	12	1.9
(1,1391)	1:42:A:LEU:HD23	1:45:A:THR:H	12	1.9
(1,1380)	1:40:A:ARG:H	1:41:A:SER:HA	15	1.9
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG21	7	1.9
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG22	7	1.9
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG23	7	1.9
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB1	5	1.9
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB2	5	1.9
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB3	5	1.9
(1,1365)	1:36:A:ILE:HG12	1:35:A:TRP:H	8	1.9
(1,1365)	1:36:A:ILE:HG12	1:35:A:TRP:H	14	1.9
(1,1365)	1:36:A:ILE:HG12	1:35:A:TRP:H	15	1.9
(1,1320)	1:26:A:PRO:HA	1:30:A:LYS:HG3	2	1.9
(1,1313)	1:21:A:GLY:H	1:20:A:LEU:HG	3	1.9
(1,1313)	1:21:A:GLY:H	1:20:A:LEU:HG	4	1.9
(1,1313)	1:21:A:GLY:H	1:20:A:LEU:HG	6	1.9
(1,1313)	1:21:A:GLY:H	1:20:A:LEU:HG	8	1.9
(1,1313)	1:21:A:GLY:H	1:20:A:LEU:HG	11	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1313)	1:21:A:GLY:H	1:20:A:LEU:HG	14	1.9
(1,1313)	1:21:A:GLY:H	1:20:A:LEU:HG	15	1.9
(1,1311)	1:20:A:LEU:HD11	1:19:A:VAL:H	2	1.9
(1,1311)	1:20:A:LEU:HD12	1:19:A:VAL:H	2	1.9
(1,1311)	1:20:A:LEU:HD13	1:19:A:VAL:H	2	1.9
(1,1292)	1:17:A:LEU:H	1:14:A:ILE:HB	13	1.9
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD21	5	1.9
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD22	5	1.9
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD23	5	1.9
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD21	6	1.9
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD22	6	1.9
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD23	6	1.9
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG21	3	1.9
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG22	3	1.9
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG23	3	1.9
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG21	8	1.9
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG22	8	1.9
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG23	8	1.9
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD11	1	1.9
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD12	1	1.9
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD13	1	1.9
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD11	3	1.9
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD12	3	1.9
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD13	3	1.9
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD11	14	1.9
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD12	14	1.9
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD13	14	1.9
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG21	1	1.9
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG22	1	1.9
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG23	1	1.9
(1,1254)	1:10:A:LEU:H	1:9:A:LEU:HG	6	1.9
(1,2216)	1:98:A:ALA:HA	1:100:A:ASP:H	3	1.89
(1,2210)	1:97:A:VAL:HA	1:100:A:ASP:H	5	1.89
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD1	10	1.89
(1,2179)	1:95:A:SER:HB2	1:96:A:TYR:HD2	10	1.89
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD1	10	1.89
(1,2179)	1:95:A:SER:HB3	1:96:A:TYR:HD2	10	1.89
(1,2175)	1:94:A:ARG:HG3	1:95:A:SER:H	3	1.89
(1,2161)	1:93:A:LYS:HA	1:95:A:SER:H	12	1.89
(1,2161)	1:93:A:LYS:HA	1:95:A:SER:H	13	1.89
(1,2161)	1:93:A:LYS:HA	1:95:A:SER:H	15	1.89
(1,2104)	1:84:A:GLU:H	1:85:A:LEU:HB2	9	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2104)	1:84:A:GLU:H	1:85:A:LEU:HB2	15	1.89
(1,2083)	1:83:A:ASP:HA	1:85:A:LEU:H	8	1.89
(1,2083)	1:83:A:ASP:HA	1:85:A:LEU:H	11	1.89
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG21	3	1.89
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG22	3	1.89
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG23	3	1.89
(1,1995)	1:73:A:ASN:HA	1:72:A:THR:H	6	1.89
(1,1995)	1:73:A:ASN:HA	1:72:A:THR:H	8	1.89
(1,1942)	1:67:A:GLU:H	1:66:A:VAL:HB	1	1.89
(1,1942)	1:67:A:GLU:H	1:66:A:VAL:HB	9	1.89
(1,1942)	1:67:A:GLU:H	1:66:A:VAL:HB	15	1.89
(1,1892)	1:62:A:SER:HA	1:63:A:LEU:HB2	11	1.89
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG2	15	1.89
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG3	15	1.89
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD21	6	1.89
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD22	6	1.89
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD23	6	1.89
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD1	9	1.89
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD2	9	1.89
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG2	14	1.89
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG3	14	1.89
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG21	10	1.89
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG22	10	1.89
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG23	10	1.89
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG2	3	1.89
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG3	3	1.89
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG2	7	1.89
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG3	7	1.89
(1,1832)	1:48:A:ASN:HA	1:47:A:GLN:HG2	6	1.89
(1,1832)	1:48:A:ASN:HA	1:47:A:GLN:HG2	13	1.89
(1,1832)	1:48:A:ASN:HA	1:47:A:GLN:HG2	15	1.89
(1,1806)	1:45:A:THR:H	1:44:A:THR:HB	15	1.89
(1,1774)	1:39:A:LEU:HB2	1:36:A:ILE:HA	12	1.89
(1,1774)	1:39:A:LEU:HB3	1:36:A:ILE:HA	12	1.89
(1,1774)	1:39:A:LEU:HB2	1:36:A:ILE:HA	13	1.89
(1,1774)	1:39:A:LEU:HB3	1:36:A:ILE:HA	13	1.89
(1,1774)	1:39:A:LEU:HB2	1:36:A:ILE:HA	15	1.89
(1,1774)	1:39:A:LEU:HB3	1:36:A:ILE:HA	15	1.89
(1,1729)	1:29:A:VAL:H	1:27:A:VAL:HA	7	1.89
(1,1728)	1:29:A:VAL:H	1:25:A:LEU:HA	11	1.89
(1,1577)	1:4:A:ILE:HG13	1:4:A:ILE:H	3	1.89
(1,1577)	1:4:A:ILE:HG13	1:4:A:ILE:H	5	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1577)	1:4:A:ILE:HG13	1:4:A:ILE:H	8	1.89
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD11	1	1.89
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD12	1	1.89
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD13	1	1.89
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD11	11	1.89
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD12	11	1.89
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD13	11	1.89
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD11	14	1.89
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD12	14	1.89
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD13	14	1.89
(1,1561)	1:2:A:PHE:H	1:4:A:ILE:H	13	1.89
(1,1538)	1:101:A:PRO:HG3	1:102:A:LEU:H	5	1.89
(1,1538)	1:101:A:PRO:HG3	1:102:A:LEU:H	6	1.89
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD1	10	1.89
(1,1527)	1:95:A:SER:HB2	1:96:A:TYR:HD2	10	1.89
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD1	10	1.89
(1,1527)	1:95:A:SER:HB3	1:96:A:TYR:HD2	10	1.89
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB1	8	1.89
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB2	8	1.89
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB3	8	1.89
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB1	1	1.89
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB2	1	1.89
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB3	1	1.89
(1,1486)	1:79:A:LYS:H	1:81:A:SER:H	5	1.89
(1,1469)	1:73:A:ASN:H	1:70:A:SER:H	2	1.89
(1,1469)	1:73:A:ASN:H	1:70:A:SER:H	11	1.89
(1,1469)	1:73:A:ASN:H	1:70:A:SER:H	12	1.89
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD11	1	1.89
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD12	1	1.89
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD13	1	1.89
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD11	8	1.89
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD12	8	1.89
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD13	8	1.89
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD11	14	1.89
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD12	14	1.89
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD13	14	1.89
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB2	11	1.89
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB3	11	1.89
(1,1380)	1:40:A:ARG:H	1:41:A:SER:HA	3	1.89
(1,1380)	1:40:A:ARG:H	1:41:A:SER:HA	6	1.89
(1,1380)	1:40:A:ARG:H	1:41:A:SER:HA	7	1.89
(1,1380)	1:40:A:ARG:H	1:41:A:SER:HA	8	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1380)	1:40:A:ARG:H	1:41:A:SER:HA	12	1.89
(1,1380)	1:40:A:ARG:H	1:41:A:SER:HA	14	1.89
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG21	4	1.89
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG22	4	1.89
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG23	4	1.89
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB1	8	1.89
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB2	8	1.89
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB3	8	1.89
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB1	12	1.89
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB2	12	1.89
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB3	12	1.89
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB1	13	1.89
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB2	13	1.89
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB3	13	1.89
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB1	15	1.89
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB2	15	1.89
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB3	15	1.89
(1,1365)	1:36:A:ILE:HG12	1:35:A:TRP:H	5	1.89
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG21	4	1.89
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG22	4	1.89
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG23	4	1.89
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG21	12	1.89
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG22	12	1.89
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG23	12	1.89
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG21	14	1.89
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG22	14	1.89
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG23	14	1.89
(1,1320)	1:26:A:PRO:HA	1:30:A:LYS:HG3	3	1.89
(1,1320)	1:26:A:PRO:HA	1:30:A:LYS:HG3	14	1.89
(1,1320)	1:26:A:PRO:HA	1:30:A:LYS:HG3	15	1.89
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG21	9	1.89
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG22	9	1.89
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG23	9	1.89
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG21	5	1.89
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG22	5	1.89
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG23	5	1.89
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG21	6	1.89
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG22	6	1.89
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG23	6	1.89
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG21	15	1.89
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG22	15	1.89
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG23	15	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG21	12	1.89
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG22	12	1.89
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG23	12	1.89
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD11	15	1.89
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD12	15	1.89
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD13	15	1.89
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG21	3	1.89
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG22	3	1.89
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG23	3	1.89
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG21	12	1.89
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG22	12	1.89
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG23	12	1.89
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG21	15	1.89
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG22	15	1.89
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG23	15	1.89
(4,138)	1:56:A:LEU:O	1:60:A:GLN:N	13	1.88
(1,2104)	1:84:A:GLU:H	1:85:A:LEU:HB2	6	1.88
(1,2104)	1:84:A:GLU:H	1:85:A:LEU:HB2	13	1.88
(1,2083)	1:83:A:ASP:HA	1:85:A:LEU:H	1	1.88
(1,2083)	1:83:A:ASP:HA	1:85:A:LEU:H	2	1.88
(1,2083)	1:83:A:ASP:HA	1:85:A:LEU:H	10	1.88
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG21	9	1.88
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG22	9	1.88
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG23	9	1.88
(1,1942)	1:67:A:GLU:H	1:66:A:VAL:HB	13	1.88
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB1	15	1.88
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB2	15	1.88
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB3	15	1.88
(1,1890)	1:62:A:SER:H	1:60:A:GLN:H	11	1.88
(1,1890)	1:62:A:SER:H	1:60:A:GLN:H	12	1.88
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG2	4	1.88
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG3	4	1.88
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG2	11	1.88
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG3	11	1.88
(1,1832)	1:48:A:ASN:HA	1:47:A:GLN:HG2	5	1.88
(1,1832)	1:48:A:ASN:HA	1:47:A:GLN:HG2	7	1.88
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG21	6	1.88
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG22	6	1.88
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG23	6	1.88
(1,1799)	1:43:A:ALA:HA	1:46:A:VAL:HB	10	1.88
(1,1794)	1:43:A:ALA:H	1:41:A:SER:H	3	1.88
(1,1794)	1:43:A:ALA:H	1:41:A:SER:H	5	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1774)	1:39:A:LEU:HB2	1:36:A:ILE:HA	9	1.88
(1,1774)	1:39:A:LEU:HB3	1:36:A:ILE:HA	9	1.88
(1,1774)	1:39:A:LEU:HB2	1:36:A:ILE:HA	10	1.88
(1,1774)	1:39:A:LEU:HB3	1:36:A:ILE:HA	10	1.88
(1,1729)	1:29:A:VAL:H	1:27:A:VAL:HA	9	1.88
(1,1712)	1:25:A:LEU:H	1:23:A:GLN:H	11	1.88
(1,1712)	1:25:A:LEU:H	1:23:A:GLN:H	13	1.88
(1,1689)	1:20:A:LEU:H	1:18:A:VAL:HA	2	1.88
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD11	8	1.88
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD12	8	1.88
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD13	8	1.88
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD11	9	1.88
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD12	9	1.88
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD13	9	1.88
(1,1538)	1:101:A:PRO:HG3	1:102:A:LEU:H	9	1.88
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG21	7	1.88
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG22	7	1.88
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG23	7	1.88
(1,1519)	1:93:A:LYS:H	1:89:A:ALA:H	12	1.88
(1,1519)	1:93:A:LYS:H	1:89:A:ALA:H	15	1.88
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB1	6	1.88
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB2	6	1.88
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB3	6	1.88
(1,1498)	1:85:A:LEU:H	1:83:A:ASP:H	7	1.88
(1,1488)	1:80:A:ALA:H	1:83:A:ASP:H	7	1.88
(1,1486)	1:79:A:LYS:H	1:81:A:SER:H	11	1.88
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD11	9	1.88
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD12	9	1.88
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD13	9	1.88
(1,1422)	1:48:A:ASN:H	1:44:A:THR:HB	12	1.88
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB1	8	1.88
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB2	8	1.88
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB3	8	1.88
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB1	9	1.88
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB2	9	1.88
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB3	9	1.88
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG2	13	1.88
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG3	13	1.88
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB2	2	1.88
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB3	2	1.88
(1,1391)	1:42:A:LEU:HD11	1:45:A:THR:H	4	1.88
(1,1391)	1:42:A:LEU:HD12	1:45:A:THR:H	4	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1391)	1:42:A:LEU:HD13	1:45:A:THR:H	4	1.88
(1,1391)	1:42:A:LEU:HD21	1:45:A:THR:H	4	1.88
(1,1391)	1:42:A:LEU:HD22	1:45:A:THR:H	4	1.88
(1,1391)	1:42:A:LEU:HD23	1:45:A:THR:H	4	1.88
(1,1380)	1:40:A:ARG:H	1:41:A:SER:HA	9	1.88
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB1	14	1.88
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB2	14	1.88
(1,1367)	1:35:A:TRP:HD1	1:38:A:ALA:HB3	14	1.88
(1,1365)	1:36:A:ILE:HG12	1:35:A:TRP:H	4	1.88
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG21	5	1.88
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG22	5	1.88
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG23	5	1.88
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG21	7	1.88
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG22	7	1.88
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG23	7	1.88
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG21	8	1.88
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG22	8	1.88
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG23	8	1.88
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG21	10	1.88
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG22	10	1.88
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG23	10	1.88
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG21	13	1.88
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG22	13	1.88
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG23	13	1.88
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG21	15	1.88
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG22	15	1.88
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG23	15	1.88
(1,1322)	1:26:A:PRO:HA	1:30:A:LYS:HG2	1	1.88
(1,1320)	1:26:A:PRO:HA	1:30:A:LYS:HG3	4	1.88
(1,1308)	1:20:A:LEU:HD11	1:17:A:LEU:HA	1	1.88
(1,1308)	1:20:A:LEU:HD12	1:17:A:LEU:HA	1	1.88
(1,1308)	1:20:A:LEU:HD13	1:17:A:LEU:HA	1	1.88
(1,1308)	1:20:A:LEU:HD11	1:17:A:LEU:HA	3	1.88
(1,1308)	1:20:A:LEU:HD12	1:17:A:LEU:HA	3	1.88
(1,1308)	1:20:A:LEU:HD13	1:17:A:LEU:HA	3	1.88
(1,1308)	1:20:A:LEU:HD11	1:17:A:LEU:HA	4	1.88
(1,1308)	1:20:A:LEU:HD12	1:17:A:LEU:HA	4	1.88
(1,1308)	1:20:A:LEU:HD13	1:17:A:LEU:HA	4	1.88
(1,1308)	1:20:A:LEU:HD11	1:17:A:LEU:HA	5	1.88
(1,1308)	1:20:A:LEU:HD12	1:17:A:LEU:HA	5	1.88
(1,1308)	1:20:A:LEU:HD13	1:17:A:LEU:HA	5	1.88
(1,1308)	1:20:A:LEU:HD11	1:17:A:LEU:HA	7	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1308)	1:20:A:LEU:HD12	1:17:A:LEU:HA	7	1.88
(1,1308)	1:20:A:LEU:HD13	1:17:A:LEU:HA	7	1.88
(1,1308)	1:20:A:LEU:HD11	1:17:A:LEU:HA	8	1.88
(1,1308)	1:20:A:LEU:HD12	1:17:A:LEU:HA	8	1.88
(1,1308)	1:20:A:LEU:HD13	1:17:A:LEU:HA	8	1.88
(1,1308)	1:20:A:LEU:HD11	1:17:A:LEU:HA	10	1.88
(1,1308)	1:20:A:LEU:HD12	1:17:A:LEU:HA	10	1.88
(1,1308)	1:20:A:LEU:HD13	1:17:A:LEU:HA	10	1.88
(1,1308)	1:20:A:LEU:HD11	1:17:A:LEU:HA	15	1.88
(1,1308)	1:20:A:LEU:HD12	1:17:A:LEU:HA	15	1.88
(1,1308)	1:20:A:LEU:HD13	1:17:A:LEU:HA	15	1.88
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG21	12	1.88
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG22	12	1.88
(1,1298)	1:18:A:VAL:HA	1:14:A:ILE:HG23	12	1.88
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD21	1	1.88
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD22	1	1.88
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD23	1	1.88
(1,1281)	1:15:A:ILE:HA	1:11:A:LEU:HG	9	1.88
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD21	1	1.88
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD22	1	1.88
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD23	1	1.88
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD11	15	1.88
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD12	15	1.88
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD13	15	1.88
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG21	7	1.88
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG22	7	1.88
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG23	7	1.88
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG21	11	1.88
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG22	11	1.88
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG23	11	1.88
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG21	15	1.88
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG22	15	1.88
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG23	15	1.88
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD21	7	1.88
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD22	7	1.88
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD23	7	1.88
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD21	7	1.88
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD22	7	1.88
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD23	7	1.88
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB2	8	1.87
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB3	8	1.87
(1,2218)	1:99:A:ASN:H	1:97:A:VAL:H	4	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD1	14	1.87
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD2	14	1.87
(1,2216)	1:98:A:ALA:HA	1:100:A:ASP:H	2	1.87
(1,2210)	1:97:A:VAL:HA	1:100:A:ASP:H	8	1.87
(1,2149)	1:91:A:SER:H	1:88:A:ALA:HA	1	1.87
(1,2115)	1:86:A:ARG:HB2	1:83:A:ASP:HB2	3	1.87
(1,2115)	1:86:A:ARG:HB3	1:83:A:ASP:HB2	3	1.87
(1,2115)	1:86:A:ARG:HB2	1:83:A:ASP:HB2	10	1.87
(1,2115)	1:86:A:ARG:HB3	1:83:A:ASP:HB2	10	1.87
(1,2083)	1:83:A:ASP:HA	1:85:A:LEU:H	12	1.87
(1,2082)	1:83:A:ASP:HA	1:82:A:MET:H	7	1.87
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD11	4	1.87
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD12	4	1.87
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD13	4	1.87
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD21	8	1.87
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD22	8	1.87
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD23	8	1.87
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG21	6	1.87
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG22	6	1.87
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG23	6	1.87
(1,1933)	1:65:A:LYS:H	1:68:A:LYS:H	14	1.87
(1,1892)	1:62:A:SER:HA	1:63:A:LEU:HB2	9	1.87
(1,1892)	1:62:A:SER:HA	1:63:A:LEU:HB2	10	1.87
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG2	10	1.87
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG3	10	1.87
(1,1881)	1:61:A:ASP:HB2	1:60:A:GLN:HA	15	1.87
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG2	13	1.87
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG3	13	1.87
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG2	14	1.87
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG3	14	1.87
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG21	10	1.87
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG22	10	1.87
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG23	10	1.87
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG21	10	1.87
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG22	10	1.87
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG23	10	1.87
(1,1847)	1:73:A:ASN:H	1:71:A:LEU:H	15	1.87
(1,1832)	1:48:A:ASN:HA	1:47:A:GLN:HG2	1	1.87
(1,1831)	1:47:A:GLN:HG2	1:48:A:ASN:H	2	1.87
(1,1831)	1:47:A:GLN:HG3	1:48:A:ASN:H	2	1.87
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG21	15	1.87
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG22	15	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG23	15	1.87
(1,1814)	1:45:A:THR:HB	1:48:A:ASN:H	4	1.87
(1,1814)	1:45:A:THR:HB	1:48:A:ASN:H	7	1.87
(1,1774)	1:39:A:LEU:HB2	1:36:A:ILE:HA	7	1.87
(1,1774)	1:39:A:LEU:HB3	1:36:A:ILE:HA	7	1.87
(1,1729)	1:29:A:VAL:H	1:27:A:VAL:HA	15	1.87
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG21	6	1.87
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG22	6	1.87
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG23	6	1.87
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG13	12	1.87
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG12	12	1.87
(1,1573)	1:4:A:ILE:HA	1:3:A:ASP:HA	1	1.87
(1,1573)	1:4:A:ILE:HA	1:3:A:ASP:HA	7	1.87
(1,1573)	1:4:A:ILE:HA	1:3:A:ASP:HA	8	1.87
(1,1573)	1:4:A:ILE:HA	1:3:A:ASP:HA	14	1.87
(1,1567)	1:3:A:ASP:HB2	1:4:A:ILE:HB	13	1.87
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD11	3	1.87
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD12	3	1.87
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD13	3	1.87
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB1	3	1.87
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB2	3	1.87
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB3	3	1.87
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB1	7	1.87
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB2	7	1.87
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB3	7	1.87
(1,1494)	1:84:A:GLU:HA	1:83:A:ASP:H	7	1.87
(1,1480)	1:75:A:THR:H	1:77:A:GLU:HB2	9	1.87
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE21	4	1.87
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE22	4	1.87
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB1	4	1.87
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB2	4	1.87
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB3	4	1.87
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG21	2	1.87
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG22	2	1.87
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG23	2	1.87
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG21	3	1.87
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG22	3	1.87
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG23	3	1.87
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG21	6	1.87
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG22	6	1.87
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG23	6	1.87
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG21	9	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG22	9	1.87
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG23	9	1.87
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG21	11	1.87
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG22	11	1.87
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG23	11	1.87
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG21	3	1.87
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG22	3	1.87
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG23	3	1.87
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG21	9	1.87
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG22	9	1.87
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG23	9	1.87
(1,1308)	1:20:A:LEU:HD11	1:17:A:LEU:HA	6	1.87
(1,1308)	1:20:A:LEU:HD12	1:17:A:LEU:HA	6	1.87
(1,1308)	1:20:A:LEU:HD13	1:17:A:LEU:HA	6	1.87
(1,1308)	1:20:A:LEU:HD11	1:17:A:LEU:HA	11	1.87
(1,1308)	1:20:A:LEU:HD12	1:17:A:LEU:HA	11	1.87
(1,1308)	1:20:A:LEU:HD13	1:17:A:LEU:HA	11	1.87
(1,1308)	1:20:A:LEU:HD11	1:17:A:LEU:HA	14	1.87
(1,1308)	1:20:A:LEU:HD12	1:17:A:LEU:HA	14	1.87
(1,1308)	1:20:A:LEU:HD13	1:17:A:LEU:HA	14	1.87
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD21	3	1.87
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD22	3	1.87
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD23	3	1.87
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD21	4	1.87
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD22	4	1.87
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD23	4	1.87
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD21	7	1.87
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD22	7	1.87
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD23	7	1.87
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD21	10	1.87
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD22	10	1.87
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD23	10	1.87
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD21	14	1.87
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD22	14	1.87
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD23	14	1.87
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD21	15	1.87
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD22	15	1.87
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD23	15	1.87
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG21	1	1.87
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG22	1	1.87
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG23	1	1.87
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG21	4	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG22	4	1.87
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG23	4	1.87
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG21	10	1.87
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG22	10	1.87
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG23	10	1.87
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG21	14	1.87
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG22	14	1.87
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG23	14	1.87
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD21	5	1.87
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD22	5	1.87
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD23	5	1.87
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD21	14	1.87
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD22	14	1.87
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD23	14	1.87
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG21	11	1.87
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG22	11	1.87
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG23	11	1.87
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG21	11	1.87
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG22	11	1.87
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG23	11	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG21	1	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG22	1	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG23	1	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG21	2	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG22	2	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG23	2	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG21	3	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG22	3	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG23	3	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG21	4	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG22	4	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG23	4	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG21	6	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG22	6	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG23	6	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG21	8	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG22	8	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG23	8	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG21	9	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG22	9	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG23	9	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG21	10	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG22	10	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG23	10	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG21	14	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG22	14	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG23	14	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG21	15	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG22	15	1.87
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG23	15	1.87
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG21	13	1.87
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG22	13	1.87
(1,1268)	1:11:A:LEU:HB2	1:15:A:ILE:HG23	13	1.87
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG21	13	1.87
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG22	13	1.87
(1,1268)	1:11:A:LEU:HB3	1:15:A:ILE:HG23	13	1.87
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG21	7	1.87
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG22	7	1.87
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG23	7	1.87
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG21	11	1.87
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG22	11	1.87
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG23	11	1.87
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD11	11	1.87
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD12	11	1.87
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD13	11	1.87
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD21	11	1.87
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD22	11	1.87
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD23	11	1.87
(1,2237)	1:102:A:LEU:H	1:103:A:GLU:HA	8	1.86
(1,2225)	1:101:A:PRO:HD2	1:98:A:ALA:H	4	1.86
(1,2225)	1:101:A:PRO:HD3	1:98:A:ALA:H	4	1.86
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB1	1	1.86
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB2	1	1.86
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB3	1	1.86
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB1	13	1.86
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB2	13	1.86
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB3	13	1.86
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB1	15	1.86
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB2	15	1.86
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB3	15	1.86
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD1	2	1.86
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD2	2	1.86
(1,2201)	1:97:A:VAL:H	1:94:A:ARG:HA	9	1.86
(1,2175)	1:94:A:ARG:HG3	1:95:A:SER:H	5	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE2	15	1.86
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE3	15	1.86
(1,2161)	1:93:A:LYS:HA	1:95:A:SER:H	1	1.86
(1,2161)	1:93:A:LYS:HA	1:95:A:SER:H	2	1.86
(1,2161)	1:93:A:LYS:HA	1:95:A:SER:H	5	1.86
(1,2161)	1:93:A:LYS:HA	1:95:A:SER:H	11	1.86
(1,2115)	1:86:A:ARG:HB2	1:83:A:ASP:HB2	7	1.86
(1,2115)	1:86:A:ARG:HB3	1:83:A:ASP:HB2	7	1.86
(1,2115)	1:86:A:ARG:HB2	1:83:A:ASP:HB2	8	1.86
(1,2115)	1:86:A:ARG:HB3	1:83:A:ASP:HB2	8	1.86
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG21	8	1.86
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG22	8	1.86
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG23	8	1.86
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE2	13	1.86
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE3	13	1.86
(1,1942)	1:67:A:GLU:H	1:66:A:VAL:HB	6	1.86
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD2	15	1.86
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD3	15	1.86
(1,1885)	1:61:A:ASP:H	1:62:A:SER:HB3	8	1.86
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG2	6	1.86
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG3	6	1.86
(1,1814)	1:45:A:THR:HB	1:48:A:ASN:H	1	1.86
(1,1814)	1:45:A:THR:HB	1:48:A:ASN:H	6	1.86
(1,1814)	1:45:A:THR:HB	1:48:A:ASN:H	13	1.86
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG21	14	1.86
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG22	14	1.86
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG23	14	1.86
(1,1794)	1:43:A:ALA:H	1:41:A:SER:H	15	1.86
(1,1774)	1:39:A:LEU:HB2	1:36:A:ILE:HA	3	1.86
(1,1774)	1:39:A:LEU:HB3	1:36:A:ILE:HA	3	1.86
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB1	9	1.86
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB2	9	1.86
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB3	9	1.86
(1,1647)	1:13:A:PHE:HZ	1:17:A:LEU:HG	11	1.86
(1,1601)	1:6:A:PHE:HA	1:9:A:LEU:HG	13	1.86
(1,1581)	1:4:A:ILE:HD11	1:5:A:GLY:H	1	1.86
(1,1581)	1:4:A:ILE:HD12	1:5:A:GLY:H	1	1.86
(1,1581)	1:4:A:ILE:HD13	1:5:A:GLY:H	1	1.86
(1,1581)	1:4:A:ILE:HD11	1:5:A:GLY:H	2	1.86
(1,1581)	1:4:A:ILE:HD12	1:5:A:GLY:H	2	1.86
(1,1581)	1:4:A:ILE:HD13	1:5:A:GLY:H	2	1.86
(1,1581)	1:4:A:ILE:HD11	1:5:A:GLY:H	4	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1581)	1:4:A:ILE:HD12	1:5:A:GLY:H	4	1.86
(1,1581)	1:4:A:ILE:HD13	1:5:A:GLY:H	4	1.86
(1,1581)	1:4:A:ILE:HD11	1:5:A:GLY:H	5	1.86
(1,1581)	1:4:A:ILE:HD12	1:5:A:GLY:H	5	1.86
(1,1581)	1:4:A:ILE:HD13	1:5:A:GLY:H	5	1.86
(1,1581)	1:4:A:ILE:HD11	1:5:A:GLY:H	6	1.86
(1,1581)	1:4:A:ILE:HD12	1:5:A:GLY:H	6	1.86
(1,1581)	1:4:A:ILE:HD13	1:5:A:GLY:H	6	1.86
(1,1581)	1:4:A:ILE:HD11	1:5:A:GLY:H	9	1.86
(1,1581)	1:4:A:ILE:HD12	1:5:A:GLY:H	9	1.86
(1,1581)	1:4:A:ILE:HD13	1:5:A:GLY:H	9	1.86
(1,1581)	1:4:A:ILE:HD11	1:5:A:GLY:H	10	1.86
(1,1581)	1:4:A:ILE:HD12	1:5:A:GLY:H	10	1.86
(1,1581)	1:4:A:ILE:HD13	1:5:A:GLY:H	10	1.86
(1,1581)	1:4:A:ILE:HD11	1:5:A:GLY:H	14	1.86
(1,1581)	1:4:A:ILE:HD12	1:5:A:GLY:H	14	1.86
(1,1581)	1:4:A:ILE:HD13	1:5:A:GLY:H	14	1.86
(1,1573)	1:4:A:ILE:HA	1:3:A:ASP:HA	2	1.86
(1,1573)	1:4:A:ILE:HA	1:3:A:ASP:HA	3	1.86
(1,1573)	1:4:A:ILE:HA	1:3:A:ASP:HA	4	1.86
(1,1573)	1:4:A:ILE:HA	1:3:A:ASP:HA	5	1.86
(1,1573)	1:4:A:ILE:HA	1:3:A:ASP:HA	6	1.86
(1,1573)	1:4:A:ILE:HA	1:3:A:ASP:HA	9	1.86
(1,1573)	1:4:A:ILE:HA	1:3:A:ASP:HA	10	1.86
(1,1573)	1:4:A:ILE:HA	1:3:A:ASP:HA	12	1.86
(1,1573)	1:4:A:ILE:HA	1:3:A:ASP:HA	13	1.86
(1,1573)	1:4:A:ILE:HA	1:3:A:ASP:HA	15	1.86
(1,1538)	1:101:A:PRO:HG3	1:102:A:LEU:H	8	1.86
(1,1528)	1:96:A:TYR:H	1:94:A:ARG:HA	9	1.86
(1,1519)	1:93:A:LYS:H	1:89:A:ALA:H	13	1.86
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB1	10	1.86
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB2	10	1.86
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB3	10	1.86
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB1	8	1.86
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB2	8	1.86
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB3	8	1.86
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB1	13	1.86
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB2	13	1.86
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB3	13	1.86
(1,1486)	1:79:A:LYS:H	1:81:A:SER:H	2	1.86
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD2	13	1.86
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD3	13	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG21	15	1.86
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG22	15	1.86
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG23	15	1.86
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG21	15	1.86
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG22	15	1.86
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG23	15	1.86
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG21	15	1.86
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG22	15	1.86
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG23	15	1.86
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD11	5	1.86
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD12	5	1.86
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD13	5	1.86
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG21	7	1.86
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG22	7	1.86
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG23	7	1.86
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG21	7	1.86
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG22	7	1.86
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG23	7	1.86
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG11	12	1.86
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG12	12	1.86
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG13	12	1.86
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG11	15	1.86
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG12	15	1.86
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG13	15	1.86
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG21	1	1.86
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG22	1	1.86
(1,1346)	1:35:A:TRP:HE3	1:31:A:THR:HG23	1	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG21	4	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG22	4	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG23	4	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG21	5	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG22	5	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG23	5	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG21	6	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG22	6	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG23	6	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG21	7	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG22	7	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG23	7	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG21	8	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG22	8	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG23	8	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG21	10	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG22	10	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG23	10	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG21	13	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG22	13	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG23	13	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG21	14	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG22	14	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG23	14	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG21	15	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG22	15	1.86
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG23	15	1.86
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD21	8	1.86
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD22	8	1.86
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD23	8	1.86
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG21	2	1.86
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG22	2	1.86
(1,1279)	1:14:A:ILE:HB	1:15:A:ILE:HG23	2	1.86
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD21	4	1.86
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD22	4	1.86
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD23	4	1.86
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD21	6	1.86
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD22	6	1.86
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD23	6	1.86
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD21	10	1.86
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD22	10	1.86
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD23	10	1.86
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD11	1	1.86
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD12	1	1.86
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD13	1	1.86
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD11	13	1.86
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD12	13	1.86
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD13	13	1.86
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD11	13	1.86
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD12	13	1.86
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD13	13	1.86
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG21	3	1.86
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG22	3	1.86
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG23	3	1.86
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG21	12	1.86
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG22	12	1.86
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG23	12	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD11	12	1.86
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD12	12	1.86
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD13	12	1.86
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD21	12	1.86
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD22	12	1.86
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD23	12	1.86
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD11	2	1.85
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD12	2	1.85
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD13	2	1.85
(1,2213)	1:98:A:ALA:H	1:97:A:VAL:HB	4	1.85
(1,2213)	1:98:A:ALA:H	1:97:A:VAL:HB	5	1.85
(1,2213)	1:98:A:ALA:H	1:97:A:VAL:HB	6	1.85
(1,2213)	1:98:A:ALA:H	1:97:A:VAL:HB	10	1.85
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD1	4	1.85
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD2	4	1.85
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD1	6	1.85
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD2	6	1.85
(1,2196)	1:96:A:TYR:HA	1:99:A:ASN:HB2	9	1.85
(1,2196)	1:96:A:TYR:HA	1:99:A:ASN:HB3	9	1.85
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG21	5	1.85
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG22	5	1.85
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG23	5	1.85
(1,2149)	1:91:A:SER:H	1:88:A:ALA:HA	3	1.85
(1,2149)	1:91:A:SER:H	1:88:A:ALA:HA	6	1.85
(1,2149)	1:91:A:SER:H	1:88:A:ALA:HA	7	1.85
(1,2115)	1:86:A:ARG:HB2	1:83:A:ASP:HB2	5	1.85
(1,2115)	1:86:A:ARG:HB3	1:83:A:ASP:HB2	5	1.85
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD21	6	1.85
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD22	6	1.85
(1,2043)	1:79:A:LYS:HA	1:78:A:LEU:HD23	6	1.85
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG21	13	1.85
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG22	13	1.85
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG23	13	1.85
(1,1995)	1:73:A:ASN:HA	1:72:A:THR:H	1	1.85
(1,1995)	1:73:A:ASN:HA	1:72:A:THR:H	2	1.85
(1,1995)	1:73:A:ASN:HA	1:72:A:THR:H	10	1.85
(1,1995)	1:73:A:ASN:HA	1:72:A:THR:H	12	1.85
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB1	11	1.85
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB2	11	1.85
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB3	11	1.85
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB1	11	1.85
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB2	11	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB3	11	1.85
(1,1914)	1:64:A:LYS:HA	1:66:A:VAL:H	10	1.85
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG2	7	1.85
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG3	7	1.85
(1,1831)	1:47:A:GLN:HG2	1:48:A:ASN:H	1	1.85
(1,1831)	1:47:A:GLN:HG3	1:48:A:ASN:H	1	1.85
(1,1831)	1:47:A:GLN:HG2	1:48:A:ASN:H	8	1.85
(1,1831)	1:47:A:GLN:HG3	1:48:A:ASN:H	8	1.85
(1,1831)	1:47:A:GLN:HG2	1:48:A:ASN:H	9	1.85
(1,1831)	1:47:A:GLN:HG3	1:48:A:ASN:H	9	1.85
(1,1831)	1:47:A:GLN:HG2	1:48:A:ASN:H	11	1.85
(1,1831)	1:47:A:GLN:HG3	1:48:A:ASN:H	11	1.85
(1,1827)	1:47:A:GLN:HA	1:46:A:VAL:HB	10	1.85
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG21	13	1.85
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG22	13	1.85
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG23	13	1.85
(1,1799)	1:43:A:ALA:HA	1:46:A:VAL:HB	2	1.85
(1,1774)	1:39:A:LEU:HB2	1:36:A:ILE:HA	5	1.85
(1,1774)	1:39:A:LEU:HB3	1:36:A:ILE:HA	5	1.85
(1,1729)	1:29:A:VAL:H	1:27:A:VAL:HA	3	1.85
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG21	11	1.85
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG22	11	1.85
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG23	11	1.85
(1,1581)	1:4:A:ILE:HD11	1:5:A:GLY:H	3	1.85
(1,1581)	1:4:A:ILE:HD12	1:5:A:GLY:H	3	1.85
(1,1581)	1:4:A:ILE:HD13	1:5:A:GLY:H	3	1.85
(1,1581)	1:4:A:ILE:HD11	1:5:A:GLY:H	8	1.85
(1,1581)	1:4:A:ILE:HD12	1:5:A:GLY:H	8	1.85
(1,1581)	1:4:A:ILE:HD13	1:5:A:GLY:H	8	1.85
(1,1577)	1:4:A:ILE:HG13	1:4:A:ILE:H	7	1.85
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD11	5	1.85
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD12	5	1.85
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD13	5	1.85
(1,1538)	1:101:A:PRO:HG3	1:102:A:LEU:H	4	1.85
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG21	12	1.85
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG22	12	1.85
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG23	12	1.85
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB1	12	1.85
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB2	12	1.85
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB3	12	1.85
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB1	15	1.85
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB2	15	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB3	15	1.85
(1,1480)	1:75:A:THR:H	1:77:A:GLU:HB2	6	1.85
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG21	7	1.85
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG22	7	1.85
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG23	7	1.85
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG21	7	1.85
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG22	7	1.85
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG23	7	1.85
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG21	7	1.85
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG22	7	1.85
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG23	7	1.85
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB2	12	1.85
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB3	12	1.85
(1,1438)	1:58:A:GLU:H	1:62:A:SER:H	7	1.85
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE21	1	1.85
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE22	1	1.85
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB2	1	1.85
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB3	1	1.85
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB2	8	1.85
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB3	8	1.85
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG21	12	1.85
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG22	12	1.85
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG23	12	1.85
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG11	4	1.85
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG12	4	1.85
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG13	4	1.85
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG11	5	1.85
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG12	5	1.85
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG13	5	1.85
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG11	8	1.85
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG12	8	1.85
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG13	8	1.85
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG11	13	1.85
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG12	13	1.85
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG13	13	1.85
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG11	14	1.85
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG12	14	1.85
(1,1356)	1:35:A:TRP:HD1	1:32:A:VAL:HG13	14	1.85
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG21	11	1.85
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG22	11	1.85
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG23	11	1.85
(1,1311)	1:20:A:LEU:HD11	1:19:A:VAL:H	4	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:20:A:LEU:HD12	1:19:A:VAL:H	4	1.85
(1,1311)	1:20:A:LEU:HD13	1:19:A:VAL:H	4	1.85
(1,1311)	1:20:A:LEU:HD11	1:19:A:VAL:H	6	1.85
(1,1311)	1:20:A:LEU:HD12	1:19:A:VAL:H	6	1.85
(1,1311)	1:20:A:LEU:HD13	1:19:A:VAL:H	6	1.85
(1,1311)	1:20:A:LEU:HD11	1:19:A:VAL:H	9	1.85
(1,1311)	1:20:A:LEU:HD12	1:19:A:VAL:H	9	1.85
(1,1311)	1:20:A:LEU:HD13	1:19:A:VAL:H	9	1.85
(1,1311)	1:20:A:LEU:HD11	1:19:A:VAL:H	10	1.85
(1,1311)	1:20:A:LEU:HD12	1:19:A:VAL:H	10	1.85
(1,1311)	1:20:A:LEU:HD13	1:19:A:VAL:H	10	1.85
(1,1311)	1:20:A:LEU:HD11	1:19:A:VAL:H	14	1.85
(1,1311)	1:20:A:LEU:HD12	1:19:A:VAL:H	14	1.85
(1,1311)	1:20:A:LEU:HD13	1:19:A:VAL:H	14	1.85
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG21	13	1.85
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG22	13	1.85
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG23	13	1.85
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD11	8	1.85
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD12	8	1.85
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD13	8	1.85
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG21	8	1.85
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG22	8	1.85
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG23	8	1.85
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG21	4	1.85
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG22	4	1.85
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG23	4	1.85
(1,2245)	1:103:A:GLU:H	1:102:A:LEU:HB2	4	1.84
(1,2242)	1:103:A:GLU:HG3	1:102:A:LEU:HA	4	1.84
(1,2242)	1:103:A:GLU:HG3	1:102:A:LEU:HA	10	1.84
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD1	3	1.84
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD2	3	1.84
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE1	1	1.84
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE2	1	1.84
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE3	1	1.84
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE1	1	1.84
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE2	1	1.84
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE3	1	1.84
(1,2161)	1:93:A:LYS:HA	1:95:A:SER:H	4	1.84
(1,2149)	1:91:A:SER:H	1:88:A:ALA:HA	8	1.84
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB1	15	1.84
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB2	15	1.84
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB3	15	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE1	6	1.84
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE2	6	1.84
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE3	6	1.84
(1,1995)	1:73:A:ASN:HA	1:72:A:THR:H	5	1.84
(1,1995)	1:73:A:ASN:HA	1:72:A:THR:H	7	1.84
(1,1995)	1:73:A:ASN:HA	1:72:A:THR:H	11	1.84
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB1	9	1.84
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB2	9	1.84
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB3	9	1.84
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB1	9	1.84
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB2	9	1.84
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB3	9	1.84
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB1	13	1.84
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB2	13	1.84
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB3	13	1.84
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB1	13	1.84
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB2	13	1.84
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB3	13	1.84
(1,1959)	1:69:A:ALA:H	1:66:A:VAL:H	3	1.84
(1,1953)	1:68:A:LYS:HG3	1:67:A:GLU:HB2	15	1.84
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG11	11	1.84
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG12	11	1.84
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG13	11	1.84
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG11	12	1.84
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG12	12	1.84
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG13	12	1.84
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD11	12	1.84
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD12	12	1.84
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD13	12	1.84
(1,1881)	1:61:A:ASP:HB2	1:60:A:GLN:HA	2	1.84
(1,1831)	1:47:A:GLN:HG2	1:48:A:ASN:H	13	1.84
(1,1831)	1:47:A:GLN:HG3	1:48:A:ASN:H	13	1.84
(1,1814)	1:45:A:THR:HB	1:48:A:ASN:H	3	1.84
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG21	15	1.84
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG22	15	1.84
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG23	15	1.84
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG11	3	1.84
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG12	3	1.84
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG13	3	1.84
(1,1794)	1:43:A:ALA:H	1:41:A:SER:H	8	1.84
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG2	10	1.84
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG3	10	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB2	1	1.84
(1,1733)	1:29:A:VAL:HA	1:30:A:LYS:HB3	1	1.84
(1,1729)	1:29:A:VAL:H	1:27:A:VAL:HA	4	1.84
(1,1729)	1:29:A:VAL:H	1:27:A:VAL:HA	8	1.84
(1,1729)	1:29:A:VAL:H	1:27:A:VAL:HA	14	1.84
(1,1728)	1:29:A:VAL:H	1:25:A:LEU:HA	12	1.84
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG21	7	1.84
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG22	7	1.84
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG23	7	1.84
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG21	12	1.84
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG22	12	1.84
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG23	12	1.84
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD1	10	1.84
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD2	10	1.84
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD11	9	1.84
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD12	9	1.84
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD13	9	1.84
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD11	11	1.84
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD12	11	1.84
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD13	11	1.84
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG21	2	1.84
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG22	2	1.84
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG23	2	1.84
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG21	2	1.84
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG22	2	1.84
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG23	2	1.84
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG21	2	1.84
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG22	2	1.84
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG23	2	1.84
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG21	12	1.84
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG22	12	1.84
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG23	12	1.84
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG21	12	1.84
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG22	12	1.84
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG23	12	1.84
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG21	12	1.84
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG22	12	1.84
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG23	12	1.84
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB2	14	1.84
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB3	14	1.84
(1,1441)	1:60:A:GLN:H	1:56:A:LEU:H	13	1.84
(1,1426)	1:50:A:LEU:H	1:51:A:THR:HA	10	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB1	5	1.84
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB2	5	1.84
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB3	5	1.84
(1,1391)	1:42:A:LEU:HD11	1:45:A:THR:H	9	1.84
(1,1391)	1:42:A:LEU:HD12	1:45:A:THR:H	9	1.84
(1,1391)	1:42:A:LEU:HD13	1:45:A:THR:H	9	1.84
(1,1391)	1:42:A:LEU:HD21	1:45:A:THR:H	9	1.84
(1,1391)	1:42:A:LEU:HD22	1:45:A:THR:H	9	1.84
(1,1391)	1:42:A:LEU:HD23	1:45:A:THR:H	9	1.84
(1,1391)	1:42:A:LEU:HD11	1:45:A:THR:H	11	1.84
(1,1391)	1:42:A:LEU:HD12	1:45:A:THR:H	11	1.84
(1,1391)	1:42:A:LEU:HD13	1:45:A:THR:H	11	1.84
(1,1391)	1:42:A:LEU:HD21	1:45:A:THR:H	11	1.84
(1,1391)	1:42:A:LEU:HD22	1:45:A:THR:H	11	1.84
(1,1391)	1:42:A:LEU:HD23	1:45:A:THR:H	11	1.84
(1,1382)	1:41:A:SER:H	1:38:A:ALA:HA	3	1.84
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG21	2	1.84
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG22	2	1.84
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG23	2	1.84
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD21	9	1.84
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD22	9	1.84
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD23	9	1.84
(1,1311)	1:20:A:LEU:HD11	1:19:A:VAL:H	3	1.84
(1,1311)	1:20:A:LEU:HD12	1:19:A:VAL:H	3	1.84
(1,1311)	1:20:A:LEU:HD13	1:19:A:VAL:H	3	1.84
(1,1311)	1:20:A:LEU:HD11	1:19:A:VAL:H	5	1.84
(1,1311)	1:20:A:LEU:HD12	1:19:A:VAL:H	5	1.84
(1,1311)	1:20:A:LEU:HD13	1:19:A:VAL:H	5	1.84
(1,1311)	1:20:A:LEU:HD11	1:19:A:VAL:H	7	1.84
(1,1311)	1:20:A:LEU:HD12	1:19:A:VAL:H	7	1.84
(1,1311)	1:20:A:LEU:HD13	1:19:A:VAL:H	7	1.84
(1,1311)	1:20:A:LEU:HD11	1:19:A:VAL:H	8	1.84
(1,1311)	1:20:A:LEU:HD12	1:19:A:VAL:H	8	1.84
(1,1311)	1:20:A:LEU:HD13	1:19:A:VAL:H	8	1.84
(1,1311)	1:20:A:LEU:HD11	1:19:A:VAL:H	15	1.84
(1,1311)	1:20:A:LEU:HD12	1:19:A:VAL:H	15	1.84
(1,1311)	1:20:A:LEU:HD13	1:19:A:VAL:H	15	1.84
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG21	5	1.84
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG22	5	1.84
(1,1271)	1:13:A:PHE:HA	1:12:A:VAL:HG23	5	1.84
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD11	10	1.84
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD12	10	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD13	10	1.84
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG11	12	1.84
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG12	12	1.84
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG13	12	1.84
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG21	9	1.84
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG22	9	1.84
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG23	9	1.84
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD21	6	1.84
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD22	6	1.84
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD23	6	1.84
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD21	6	1.84
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD22	6	1.84
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD23	6	1.84
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD11	1	1.83
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD12	1	1.83
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD13	1	1.83
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD21	1	1.83
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD22	1	1.83
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD23	1	1.83
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG11	10	1.83
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG12	10	1.83
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG13	10	1.83
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD1	5	1.83
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD2	5	1.83
(1,2161)	1:93:A:LYS:HA	1:95:A:SER:H	6	1.83
(1,2161)	1:93:A:LYS:HA	1:95:A:SER:H	7	1.83
(1,2149)	1:91:A:SER:H	1:88:A:ALA:HA	12	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB1	1	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB2	1	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB3	1	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB1	2	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB2	2	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB3	2	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB1	3	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB2	3	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB3	3	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB1	4	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB2	4	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB3	4	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB1	5	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB2	5	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB3	5	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB1	6	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB2	6	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB3	6	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB1	7	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB2	7	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB3	7	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB1	9	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB2	9	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB3	9	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB1	10	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB2	10	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB3	10	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB1	11	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB2	11	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB3	11	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB1	12	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB2	12	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB3	12	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB1	13	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB2	13	1.83
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB3	13	1.83
(1,2128)	1:87:A:GLN:HG2	1:84:A:GLU:HA	13	1.83
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD11	2	1.83
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD12	2	1.83
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD13	2	1.83
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD11	11	1.83
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD12	11	1.83
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD13	11	1.83
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD11	14	1.83
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD12	14	1.83
(1,2054)	1:81:A:SER:HA	1:78:A:LEU:HD13	14	1.83
(1,1959)	1:69:A:ALA:H	1:66:A:VAL:H	9	1.83
(1,1933)	1:65:A:LYS:H	1:68:A:LYS:H	2	1.83
(1,1933)	1:65:A:LYS:H	1:68:A:LYS:H	12	1.83
(1,1892)	1:62:A:SER:HA	1:63:A:LEU:HB2	1	1.83
(1,1892)	1:62:A:SER:HA	1:63:A:LEU:HB2	8	1.83
(1,1892)	1:62:A:SER:HA	1:63:A:LEU:HB2	13	1.83
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD11	9	1.83
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD12	9	1.83
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD13	9	1.83
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD1	2	1.83
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD2	2	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1868)	1:57:A:GLN:H	1:56:A:LEU:HG	7	1.83
(1,1832)	1:48:A:ASN:HA	1:47:A:GLN:HG2	2	1.83
(1,1831)	1:47:A:GLN:HG2	1:48:A:ASN:H	7	1.83
(1,1831)	1:47:A:GLN:HG3	1:48:A:ASN:H	7	1.83
(1,1831)	1:47:A:GLN:HG2	1:48:A:ASN:H	14	1.83
(1,1831)	1:47:A:GLN:HG3	1:48:A:ASN:H	14	1.83
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG21	7	1.83
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG22	7	1.83
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG23	7	1.83
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG21	7	1.83
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG22	7	1.83
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG23	7	1.83
(1,1794)	1:43:A:ALA:H	1:41:A:SER:H	6	1.83
(1,1794)	1:43:A:ALA:H	1:41:A:SER:H	7	1.83
(1,1794)	1:43:A:ALA:H	1:41:A:SER:H	9	1.83
(1,1794)	1:43:A:ALA:H	1:41:A:SER:H	13	1.83
(1,1729)	1:29:A:VAL:H	1:27:A:VAL:HA	5	1.83
(1,1647)	1:13:A:PHE:HZ	1:17:A:LEU:HG	1	1.83
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG21	4	1.83
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG22	4	1.83
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG23	4	1.83
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG21	9	1.83
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG22	9	1.83
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG23	9	1.83
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG21	14	1.83
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG22	14	1.83
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG23	14	1.83
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB1	12	1.83
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB2	12	1.83
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB3	12	1.83
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB1	13	1.83
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB2	13	1.83
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB3	13	1.83
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB1	15	1.83
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB2	15	1.83
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB3	15	1.83
(1,1494)	1:84:A:GLU:HA	1:83:A:ASP:H	12	1.83
(1,1494)	1:84:A:GLU:HA	1:83:A:ASP:H	14	1.83
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD11	1	1.83
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD12	1	1.83
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD13	1	1.83
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD11	3	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD12	3	1.83
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD13	3	1.83
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD11	5	1.83
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD12	5	1.83
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD13	5	1.83
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD11	12	1.83
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD12	12	1.83
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD13	12	1.83
(1,1452)	1:67:A:GLU:HG2	1:68:A:LYS:H	10	1.83
(1,1452)	1:67:A:GLU:HG3	1:68:A:LYS:H	10	1.83
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD11	10	1.83
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD12	10	1.83
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD13	10	1.83
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB2	6	1.83
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB3	6	1.83
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB2	15	1.83
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB3	15	1.83
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG21	12	1.83
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG22	12	1.83
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG23	12	1.83
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG21	12	1.83
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG22	12	1.83
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG23	12	1.83
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG2	5	1.83
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG3	5	1.83
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG2	5	1.83
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG3	5	1.83
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG2	5	1.83
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG3	5	1.83
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG2	1	1.83
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG3	1	1.83
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB2	8	1.83
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB3	8	1.83
(1,1322)	1:26:A:PRO:HA	1:30:A:LYS:HG2	13	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD21	1	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD22	1	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD23	1	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD21	3	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD22	3	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD23	3	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD21	4	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD22	4	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD23	4	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD21	5	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD22	5	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD23	5	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD21	6	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD22	6	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD23	6	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD21	7	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD22	7	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD23	7	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD21	8	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD22	8	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD23	8	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD21	10	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD22	10	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD23	10	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD21	11	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD22	11	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD23	11	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD21	14	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD22	14	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD23	14	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD21	15	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD22	15	1.83
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD23	15	1.83
(1,1311)	1:20:A:LEU:HD11	1:19:A:VAL:H	1	1.83
(1,1311)	1:20:A:LEU:HD12	1:19:A:VAL:H	1	1.83
(1,1311)	1:20:A:LEU:HD13	1:19:A:VAL:H	1	1.83
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD11	5	1.83
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD12	5	1.83
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD13	5	1.83
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD11	5	1.83
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD12	5	1.83
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD13	5	1.83
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD11	4	1.83
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD12	4	1.83
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD13	4	1.83
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD11	14	1.83
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD12	14	1.83
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD13	14	1.83
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG21	12	1.83
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG22	12	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG23	12	1.83
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG21	9	1.83
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG22	9	1.83
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG23	9	1.83
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG21	5	1.83
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG22	5	1.83
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG23	5	1.83
(1,2238)	1:103:A:GLU:H	1:100:A:ASP:HB2	8	1.82
(1,2238)	1:103:A:GLU:H	1:100:A:ASP:HB3	8	1.82
(1,2149)	1:91:A:SER:H	1:88:A:ALA:HA	13	1.82
(1,2149)	1:91:A:SER:H	1:88:A:ALA:HA	15	1.82
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB1	8	1.82
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB2	8	1.82
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB3	8	1.82
(1,2128)	1:87:A:GLN:HG2	1:84:A:GLU:HA	5	1.82
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD11	9	1.82
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD12	9	1.82
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD13	9	1.82
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG21	14	1.82
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG22	14	1.82
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG23	14	1.82
(1,1974)	1:71:A:LEU:H	1:72:A:THR:HB	8	1.82
(1,1959)	1:69:A:ALA:H	1:66:A:VAL:H	4	1.82
(1,1959)	1:69:A:ALA:H	1:66:A:VAL:H	13	1.82
(1,1959)	1:69:A:ALA:H	1:66:A:VAL:H	14	1.82
(1,1892)	1:62:A:SER:HA	1:63:A:LEU:HB2	6	1.82
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG2	4	1.82
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG3	4	1.82
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD21	7	1.82
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD22	7	1.82
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD23	7	1.82
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG11	9	1.82
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG12	9	1.82
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG13	9	1.82
(1,1794)	1:43:A:ALA:H	1:41:A:SER:H	10	1.82
(1,1728)	1:29:A:VAL:H	1:25:A:LEU:HA	2	1.82
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG21	2	1.82
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG22	2	1.82
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG23	2	1.82
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG21	10	1.82
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG22	10	1.82
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG23	10	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1581)	1:4:A:ILE:HD11	1:5:A:GLY:H	7	1.82
(1,1581)	1:4:A:ILE:HD12	1:5:A:GLY:H	7	1.82
(1,1581)	1:4:A:ILE:HD13	1:5:A:GLY:H	7	1.82
(1,1540)	1:103:A:GLU:H	1:101:A:PRO:HA	11	1.82
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE1	3	1.82
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE2	3	1.82
(1,1519)	1:93:A:LYS:H	1:89:A:ALA:H	4	1.82
(1,1519)	1:93:A:LYS:H	1:89:A:ALA:H	5	1.82
(1,1519)	1:93:A:LYS:H	1:89:A:ALA:H	9	1.82
(1,1519)	1:93:A:LYS:H	1:89:A:ALA:H	11	1.82
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB1	9	1.82
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB2	9	1.82
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB3	9	1.82
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB1	9	1.82
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB2	9	1.82
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB3	9	1.82
(1,1494)	1:84:A:GLU:HA	1:83:A:ASP:H	8	1.82
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD11	2	1.82
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD12	2	1.82
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD13	2	1.82
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD11	10	1.82
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD12	10	1.82
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD13	10	1.82
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD2	9	1.82
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD3	9	1.82
(1,1480)	1:75:A:THR:H	1:77:A:GLU:HB2	8	1.82
(1,1457)	1:69:A:ALA:H	1:70:A:SER:HA	15	1.82
(1,1452)	1:67:A:GLU:HG2	1:68:A:LYS:H	1	1.82
(1,1452)	1:67:A:GLU:HG3	1:68:A:LYS:H	1	1.82
(1,1452)	1:67:A:GLU:HG2	1:68:A:LYS:H	6	1.82
(1,1452)	1:67:A:GLU:HG3	1:68:A:LYS:H	6	1.82
(1,1452)	1:67:A:GLU:HG2	1:68:A:LYS:H	12	1.82
(1,1452)	1:67:A:GLU:HG3	1:68:A:LYS:H	12	1.82
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG2	11	1.82
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG3	11	1.82
(1,1444)	1:63:A:LEU:HA	1:66:A:VAL:HB	5	1.82
(1,1438)	1:58:A:GLU:H	1:62:A:SER:H	2	1.82
(1,1426)	1:50:A:LEU:H	1:51:A:THR:HA	14	1.82
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG21	13	1.82
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG22	13	1.82
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG23	13	1.82
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG21	13	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG22	13	1.82
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG23	13	1.82
(1,1322)	1:26:A:PRO:HA	1:30:A:LYS:HG2	6	1.82
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG11	11	1.82
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG12	11	1.82
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG13	11	1.82
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG11	11	1.82
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG12	11	1.82
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG13	11	1.82
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG11	11	1.82
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG12	11	1.82
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG13	11	1.82
(1,1311)	1:20:A:LEU:HD11	1:19:A:VAL:H	11	1.82
(1,1311)	1:20:A:LEU:HD12	1:19:A:VAL:H	11	1.82
(1,1311)	1:20:A:LEU:HD13	1:19:A:VAL:H	11	1.82
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD11	8	1.82
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD12	8	1.82
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD13	8	1.82
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD11	2	1.82
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD12	2	1.82
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD13	2	1.82
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG21	2	1.82
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG22	2	1.82
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG23	2	1.82
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG21	10	1.82
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG22	10	1.82
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG23	10	1.82
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG21	10	1.82
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG22	10	1.82
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG23	10	1.82
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG21	14	1.82
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG22	14	1.82
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG23	14	1.82
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD1	15	1.82
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD2	15	1.82
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG21	5	1.82
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG22	5	1.82
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG23	5	1.82
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD11	13	1.81
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD12	13	1.81
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD13	13	1.81
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD21	13	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD22	13	1.81
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD23	13	1.81
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB2	13	1.81
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB3	13	1.81
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB2	15	1.81
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB3	15	1.81
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE1	7	1.81
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE2	7	1.81
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE3	7	1.81
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE1	7	1.81
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE2	7	1.81
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE3	7	1.81
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG21	2	1.81
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG22	2	1.81
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG23	2	1.81
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG21	9	1.81
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG22	9	1.81
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG23	9	1.81
(1,2161)	1:93:A:LYS:HA	1:95:A:SER:H	14	1.81
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB1	14	1.81
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB2	14	1.81
(1,2133)	1:87:A:GLN:H	1:88:A:ALA:HB3	14	1.81
(1,2128)	1:87:A:GLN:HG2	1:84:A:GLU:HA	7	1.81
(1,2128)	1:87:A:GLN:HG2	1:84:A:GLU:HA	12	1.81
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD11	3	1.81
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD12	3	1.81
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD13	3	1.81
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG21	4	1.81
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG22	4	1.81
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG23	4	1.81
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB1	1	1.81
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB2	1	1.81
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB3	1	1.81
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB1	1	1.81
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB2	1	1.81
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB3	1	1.81
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB1	3	1.81
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB2	3	1.81
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB3	3	1.81
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB1	3	1.81
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB2	3	1.81
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB3	3	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB1	12	1.81
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB2	12	1.81
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB3	12	1.81
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB1	12	1.81
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB2	12	1.81
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB3	12	1.81
(1,1974)	1:71:A:LEU:H	1:72:A:THR:HB	6	1.81
(1,1952)	1:68:A:LYS:H	1:66:A:VAL:HA	1	1.81
(1,1952)	1:68:A:LYS:H	1:66:A:VAL:HA	2	1.81
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB1	11	1.81
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB2	11	1.81
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB3	11	1.81
(1,1933)	1:65:A:LYS:H	1:68:A:LYS:H	1	1.81
(1,1933)	1:65:A:LYS:H	1:68:A:LYS:H	10	1.81
(1,1892)	1:62:A:SER:HA	1:63:A:LEU:HB2	15	1.81
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG2	3	1.81
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG3	3	1.81
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG2	8	1.81
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG3	8	1.81
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD21	3	1.81
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD22	3	1.81
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD23	3	1.81
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD11	7	1.81
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD12	7	1.81
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD13	7	1.81
(1,1869)	1:60:A:GLN:HE22	1:56:A:LEU:HB2	12	1.81
(1,1847)	1:73:A:ASN:H	1:71:A:LEU:H	3	1.81
(1,1847)	1:73:A:ASN:H	1:71:A:LEU:H	13	1.81
(1,1836)	1:48:A:ASN:HA	1:52:A:GLN:HE21	5	1.81
(1,1831)	1:47:A:GLN:HG2	1:48:A:ASN:H	6	1.81
(1,1831)	1:47:A:GLN:HG3	1:48:A:ASN:H	6	1.81
(1,1831)	1:47:A:GLN:HG2	1:48:A:ASN:H	10	1.81
(1,1831)	1:47:A:GLN:HG3	1:48:A:ASN:H	10	1.81
(1,1827)	1:47:A:GLN:HA	1:46:A:VAL:HB	2	1.81
(1,1827)	1:47:A:GLN:HA	1:46:A:VAL:HB	14	1.81
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG21	13	1.81
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG22	13	1.81
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG23	13	1.81
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG11	8	1.81
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG12	8	1.81
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG13	8	1.81
(1,1729)	1:29:A:VAL:H	1:27:A:VAL:HA	6	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG11	12	1.81
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG12	12	1.81
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG13	12	1.81
(1,1538)	1:101:A:PRO:HG3	1:102:A:LEU:H	2	1.81
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG21	1	1.81
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG22	1	1.81
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG23	1	1.81
(1,1519)	1:93:A:LYS:H	1:89:A:ALA:H	2	1.81
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB1	2	1.81
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB2	2	1.81
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB3	2	1.81
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB1	4	1.81
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB2	4	1.81
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB3	4	1.81
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB1	10	1.81
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB2	10	1.81
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB3	10	1.81
(1,1494)	1:84:A:GLU:HA	1:83:A:ASP:H	1	1.81
(1,1494)	1:84:A:GLU:HA	1:83:A:ASP:H	2	1.81
(1,1494)	1:84:A:GLU:HA	1:83:A:ASP:H	5	1.81
(1,1494)	1:84:A:GLU:HA	1:83:A:ASP:H	10	1.81
(1,1494)	1:84:A:GLU:HA	1:83:A:ASP:H	11	1.81
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD11	4	1.81
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD12	4	1.81
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD13	4	1.81
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD11	13	1.81
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD12	13	1.81
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD13	13	1.81
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD11	14	1.81
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD12	14	1.81
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD13	14	1.81
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD11	15	1.81
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD12	15	1.81
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD13	15	1.81
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD2	3	1.81
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD3	3	1.81
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG21	5	1.81
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG22	5	1.81
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG23	5	1.81
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG21	5	1.81
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG22	5	1.81
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG23	5	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG21	5	1.81
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG22	5	1.81
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG23	5	1.81
(1,1452)	1:67:A:GLU:HG2	1:68:A:LYS:H	11	1.81
(1,1452)	1:67:A:GLU:HG3	1:68:A:LYS:H	11	1.81
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB2	8	1.81
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB3	8	1.81
(1,1426)	1:50:A:LEU:H	1:51:A:THR:HA	11	1.81
(1,1383)	1:41:A:SER:HA	1:42:A:LEU:HA	3	1.81
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG21	3	1.81
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG22	3	1.81
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG23	3	1.81
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG21	6	1.81
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG22	6	1.81
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG23	6	1.81
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD11	6	1.81
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD12	6	1.81
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD13	6	1.81
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD11	6	1.81
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD12	6	1.81
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD13	6	1.81
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG21	8	1.81
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG22	8	1.81
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG23	8	1.81
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD21	11	1.81
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD22	11	1.81
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD23	11	1.81
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD21	11	1.81
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD22	11	1.81
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD23	11	1.81
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG21	2	1.81
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG22	2	1.81
(1,911)	1:50:A:LEU:H	1:44:A:THR:HG23	2	1.81
(1,2161)	1:93:A:LYS:HA	1:95:A:SER:H	3	1.8
(1,2161)	1:93:A:LYS:HA	1:95:A:SER:H	8	1.8
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD11	10	1.8
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD12	10	1.8
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD13	10	1.8
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD11	13	1.8
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD12	13	1.8
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD13	13	1.8
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE1	8	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE2	8	1.8
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE3	8	1.8
(1,2010)	1:75:A:THR:H	1:78:A:LEU:H	7	1.8
(1,1966)	1:70:A:SER:HA	1:72:A:THR:H	3	1.8
(1,1952)	1:68:A:LYS:H	1:66:A:VAL:HA	12	1.8
(1,1942)	1:67:A:GLU:H	1:66:A:VAL:HB	10	1.8
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD2	12	1.8
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD3	12	1.8
(1,1899)	1:63:A:LEU:HB2	1:62:A:SER:HB2	13	1.8
(1,1890)	1:62:A:SER:H	1:60:A:GLN:H	8	1.8
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD1	10	1.8
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD2	10	1.8
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD1	14	1.8
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD2	14	1.8
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG2	12	1.8
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG3	12	1.8
(1,1836)	1:48:A:ASN:HA	1:52:A:GLN:HE21	7	1.8
(1,1827)	1:47:A:GLN:HA	1:46:A:VAL:HB	4	1.8
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG21	6	1.8
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG22	6	1.8
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG23	6	1.8
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG21	14	1.8
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG22	14	1.8
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG23	14	1.8
(1,1794)	1:43:A:ALA:H	1:41:A:SER:H	14	1.8
(1,1774)	1:39:A:LEU:HB2	1:36:A:ILE:HA	6	1.8
(1,1774)	1:39:A:LEU:HB3	1:36:A:ILE:HA	6	1.8
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG2	11	1.8
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG3	11	1.8
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG21	2	1.8
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG22	2	1.8
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG23	2	1.8
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG21	10	1.8
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG22	10	1.8
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG23	10	1.8
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG21	15	1.8
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG22	15	1.8
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG23	15	1.8
(1,1618)	1:9:A:LEU:HA	1:12:A:VAL:HA	2	1.8
(1,1618)	1:9:A:LEU:HA	1:12:A:VAL:HA	10	1.8
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG21	1	1.8
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG22	1	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG23	1	1.8
(1,1603)	1:6:A:PHE:HA	1:10:A:LEU:H	4	1.8
(1,1603)	1:6:A:PHE:HA	1:10:A:LEU:H	14	1.8
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD11	7	1.8
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD12	7	1.8
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD13	7	1.8
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB1	5	1.8
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB2	5	1.8
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB3	5	1.8
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB1	11	1.8
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB2	11	1.8
(1,1517)	1:92:A:MET:H	1:89:A:ALA:HB3	11	1.8
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB1	2	1.8
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB2	2	1.8
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB3	2	1.8
(1,1494)	1:84:A:GLU:HA	1:83:A:ASP:H	3	1.8
(1,1494)	1:84:A:GLU:HA	1:83:A:ASP:H	4	1.8
(1,1494)	1:84:A:GLU:HA	1:83:A:ASP:H	6	1.8
(1,1494)	1:84:A:GLU:HA	1:83:A:ASP:H	15	1.8
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB2	4	1.8
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB3	4	1.8
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD11	7	1.8
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD12	7	1.8
(1,1485)	1:79:A:LYS:HA	1:78:A:LEU:HD13	7	1.8
(1,1480)	1:75:A:THR:H	1:77:A:GLU:HB2	4	1.8
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG21	1	1.8
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG22	1	1.8
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG23	1	1.8
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG21	1	1.8
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG22	1	1.8
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG23	1	1.8
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG21	1	1.8
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG22	1	1.8
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG23	1	1.8
(1,1467)	1:72:A:THR:HA	1:74:A:LEU:HB2	6	1.8
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD2	10	1.8
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD3	10	1.8
(1,1452)	1:67:A:GLU:HG2	1:68:A:LYS:H	2	1.8
(1,1452)	1:67:A:GLU:HG3	1:68:A:LYS:H	2	1.8
(1,1452)	1:67:A:GLU:HG2	1:68:A:LYS:H	8	1.8
(1,1452)	1:67:A:GLU:HG3	1:68:A:LYS:H	8	1.8
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD11	12	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD12	12	1.8
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD13	12	1.8
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB2	13	1.8
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB3	13	1.8
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG21	6	1.8
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG22	6	1.8
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG23	6	1.8
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG21	6	1.8
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG22	6	1.8
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG23	6	1.8
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG21	15	1.8
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG22	15	1.8
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG23	15	1.8
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG21	15	1.8
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG22	15	1.8
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG23	15	1.8
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB2	12	1.8
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB3	12	1.8
(1,1383)	1:41:A:SER:HA	1:42:A:LEU:HA	7	1.8
(1,1383)	1:41:A:SER:HA	1:42:A:LEU:HA	15	1.8
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG21	12	1.8
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG22	12	1.8
(1,1329)	1:28:A:ALA:H	1:27:A:VAL:HG23	12	1.8
(1,1322)	1:26:A:PRO:HA	1:30:A:LYS:HG2	3	1.8
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD11	9	1.8
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD12	9	1.8
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD13	9	1.8
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD11	9	1.8
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD12	9	1.8
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD13	9	1.8
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG21	8	1.8
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG22	8	1.8
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG23	8	1.8
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG21	15	1.8
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG22	15	1.8
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG23	15	1.8
(4,138)	1:56:A:LEU:O	1:60:A:GLN:N	12	1.79
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD11	9	1.79
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD12	9	1.79
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD13	9	1.79
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD21	9	1.79
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD22	9	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD23	9	1.79
(1,2237)	1:102:A:LEU:H	1:103:A:GLU:HA	10	1.79
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB2	12	1.79
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB3	12	1.79
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB1	6	1.79
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB2	6	1.79
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB3	6	1.79
(1,2216)	1:98:A:ALA:HA	1:100:A:ASP:H	5	1.79
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD1	7	1.79
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD2	7	1.79
(1,2164)	1:93:A:LYS:HG3	1:97:A:VAL:HB	9	1.79
(1,2149)	1:91:A:SER:H	1:88:A:ALA:HA	9	1.79
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD11	1	1.79
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD12	1	1.79
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD13	1	1.79
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD11	12	1.79
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD12	12	1.79
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD13	12	1.79
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB1	2	1.79
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB2	2	1.79
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB3	2	1.79
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB1	2	1.79
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB2	2	1.79
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB3	2	1.79
(1,1955)	1:68:A:LYS:HG2	1:69:A:ALA:H	8	1.79
(1,1922)	1:65:A:LYS:H	1:63:A:LEU:HA	6	1.79
(1,1892)	1:62:A:SER:HA	1:63:A:LEU:HB2	5	1.79
(1,1881)	1:61:A:ASP:HB2	1:60:A:GLN:HA	4	1.79
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD21	4	1.79
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD22	4	1.79
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD23	4	1.79
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB2	8	1.79
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB3	8	1.79
(1,1847)	1:73:A:ASN:H	1:71:A:LEU:H	9	1.79
(1,1832)	1:48:A:ASN:HA	1:47:A:GLN:HG2	8	1.79
(1,1832)	1:48:A:ASN:HA	1:47:A:GLN:HG2	9	1.79
(1,1831)	1:47:A:GLN:HG2	1:48:A:ASN:H	4	1.79
(1,1831)	1:47:A:GLN:HG3	1:48:A:ASN:H	4	1.79
(1,1794)	1:43:A:ALA:H	1:41:A:SER:H	12	1.79
(1,1789)	1:42:A:LEU:H	1:44:A:THR:H	4	1.79
(1,1734)	1:29:A:VAL:H	1:31:A:THR:H	8	1.79
(1,1734)	1:29:A:VAL:H	1:31:A:THR:H	15	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1713)	1:25:A:LEU:HA	1:24:A:ARG:H	9	1.79
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG21	1	1.79
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG22	1	1.79
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG23	1	1.79
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG21	3	1.79
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG22	3	1.79
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG23	3	1.79
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG21	4	1.79
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG22	4	1.79
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG23	4	1.79
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG21	6	1.79
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG22	6	1.79
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG23	6	1.79
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG21	8	1.79
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG22	8	1.79
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG23	8	1.79
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG21	14	1.79
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG22	14	1.79
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG23	14	1.79
(1,1603)	1:6:A:PHE:HA	1:10:A:LEU:H	1	1.79
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG21	13	1.79
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG22	13	1.79
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG23	13	1.79
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG21	15	1.79
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG22	15	1.79
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG23	15	1.79
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE1	4	1.79
(1,1536)	1:98:A:ALA:H	1:96:A:TYR:HE2	4	1.79
(1,1519)	1:93:A:LYS:H	1:89:A:ALA:H	1	1.79
(1,1519)	1:93:A:LYS:H	1:89:A:ALA:H	3	1.79
(1,1519)	1:93:A:LYS:H	1:89:A:ALA:H	8	1.79
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE1	3	1.79
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE2	3	1.79
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE3	3	1.79
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB1	4	1.79
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB2	4	1.79
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB3	4	1.79
(1,1494)	1:84:A:GLU:HA	1:83:A:ASP:H	9	1.79
(1,1494)	1:84:A:GLU:HA	1:83:A:ASP:H	13	1.79
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD2	8	1.79
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD3	8	1.79
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD11	6	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD12	6	1.79
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD13	6	1.79
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG21	10	1.79
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG22	10	1.79
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG23	10	1.79
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG21	10	1.79
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG22	10	1.79
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG23	10	1.79
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG21	10	1.79
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG22	10	1.79
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG23	10	1.79
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG21	11	1.79
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG22	11	1.79
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG23	11	1.79
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG21	11	1.79
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG22	11	1.79
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG23	11	1.79
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG21	11	1.79
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG22	11	1.79
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG23	11	1.79
(1,1441)	1:60:A:GLN:H	1:56:A:LEU:H	14	1.79
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG21	13	1.79
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG22	13	1.79
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG23	13	1.79
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG21	13	1.79
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG22	13	1.79
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG23	13	1.79
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB2	5	1.79
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB3	5	1.79
(1,1383)	1:41:A:SER:HA	1:42:A:LEU:HA	1	1.79
(1,1383)	1:41:A:SER:HA	1:42:A:LEU:HA	5	1.79
(1,1383)	1:41:A:SER:HA	1:42:A:LEU:HA	6	1.79
(1,1383)	1:41:A:SER:HA	1:42:A:LEU:HA	12	1.79
(1,1383)	1:41:A:SER:HA	1:42:A:LEU:HA	13	1.79
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG21	9	1.79
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG22	9	1.79
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG23	9	1.79
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG21	10	1.79
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG22	10	1.79
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG23	10	1.79
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE1	13	1.79
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE2	13	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE1	13	1.79
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE2	13	1.79
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE1	13	1.79
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE2	13	1.79
(4,138)	1:56:A:LEU:O	1:60:A:GLN:N	14	1.78
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD11	8	1.78
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD12	8	1.78
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD13	8	1.78
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD21	8	1.78
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD22	8	1.78
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD23	8	1.78
(1,2213)	1:98:A:ALA:H	1:97:A:VAL:HB	8	1.78
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD1	14	1.78
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD2	14	1.78
(1,2149)	1:91:A:SER:H	1:88:A:ALA:HA	10	1.78
(1,2138)	1:89:A:ALA:H	1:91:A:SER:H	14	1.78
(1,2127)	1:87:A:GLN:HE21	1:83:A:ASP:HB3	3	1.78
(1,2082)	1:83:A:ASP:HA	1:82:A:MET:H	12	1.78
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB1	7	1.78
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB2	7	1.78
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB3	7	1.78
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD11	14	1.78
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD12	14	1.78
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD13	14	1.78
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD21	14	1.78
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD22	14	1.78
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD23	14	1.78
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD11	14	1.78
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD12	14	1.78
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD13	14	1.78
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD21	14	1.78
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD22	14	1.78
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD23	14	1.78
(1,2030)	1:77:A:GLU:HA	1:79:A:LYS:H	6	1.78
(1,2010)	1:75:A:THR:H	1:78:A:LEU:H	5	1.78
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG21	1	1.78
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG22	1	1.78
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG23	1	1.78
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG21	2	1.78
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG22	2	1.78
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG23	2	1.78
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG21	10	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG22	10	1.78
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG23	10	1.78
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG21	11	1.78
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG22	11	1.78
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG23	11	1.78
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG21	12	1.78
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG22	12	1.78
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG23	12	1.78
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB1	10	1.78
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB2	10	1.78
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB3	10	1.78
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB1	10	1.78
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB2	10	1.78
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB3	10	1.78
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB1	5	1.78
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB2	5	1.78
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB3	5	1.78
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD11	5	1.78
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD12	5	1.78
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD13	5	1.78
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG2	14	1.78
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG3	14	1.78
(1,1881)	1:61:A:ASP:HB2	1:60:A:GLN:HA	5	1.78
(1,1827)	1:47:A:GLN:HA	1:46:A:VAL:HB	13	1.78
(1,1734)	1:29:A:VAL:H	1:31:A:THR:H	3	1.78
(1,1734)	1:29:A:VAL:H	1:31:A:THR:H	4	1.78
(1,1734)	1:29:A:VAL:H	1:31:A:THR:H	5	1.78
(1,1734)	1:29:A:VAL:H	1:31:A:THR:H	7	1.78
(1,1734)	1:29:A:VAL:H	1:31:A:THR:H	9	1.78
(1,1734)	1:29:A:VAL:H	1:31:A:THR:H	10	1.78
(1,1713)	1:25:A:LEU:HA	1:24:A:ARG:H	1	1.78
(1,1713)	1:25:A:LEU:HA	1:24:A:ARG:H	11	1.78
(1,1699)	1:21:A:GLY:H	1:23:A:GLN:H	1	1.78
(1,1699)	1:21:A:GLY:H	1:23:A:GLN:H	3	1.78
(1,1699)	1:21:A:GLY:H	1:23:A:GLN:H	6	1.78
(1,1699)	1:21:A:GLY:H	1:23:A:GLN:H	8	1.78
(1,1699)	1:21:A:GLY:H	1:23:A:GLN:H	9	1.78
(1,1699)	1:21:A:GLY:H	1:23:A:GLN:H	11	1.78
(1,1699)	1:21:A:GLY:H	1:23:A:GLN:H	14	1.78
(1,1699)	1:21:A:GLY:H	1:23:A:GLN:H	15	1.78
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG21	2	1.78
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG22	2	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG23	2	1.78
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG11	13	1.78
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG12	13	1.78
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG13	13	1.78
(1,1539)	1:102:A:LEU:HB2	1:101:A:PRO:HA	12	1.78
(1,1519)	1:93:A:LYS:H	1:89:A:ALA:H	10	1.78
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB1	5	1.78
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB2	5	1.78
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB3	5	1.78
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB1	11	1.78
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB2	11	1.78
(1,1514)	1:91:A:SER:H	1:88:A:ALA:HB3	11	1.78
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB2	8	1.78
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB3	8	1.78
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB2	14	1.78
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB3	14	1.78
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD2	4	1.78
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD3	4	1.78
(1,1480)	1:75:A:THR:H	1:77:A:GLU:HB2	14	1.78
(1,1467)	1:72:A:THR:HA	1:74:A:LEU:HB2	8	1.78
(1,1461)	1:70:A:SER:H	1:67:A:GLU:HB2	9	1.78
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB2	11	1.78
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB3	11	1.78
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD21	1	1.78
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD22	1	1.78
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD23	1	1.78
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD21	7	1.78
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD22	7	1.78
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD23	7	1.78
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD21	9	1.78
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD22	9	1.78
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD23	9	1.78
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD11	14	1.78
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD12	14	1.78
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD13	14	1.78
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD21	14	1.78
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD22	14	1.78
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD23	14	1.78
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB1	3	1.78
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB2	3	1.78
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB3	3	1.78
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB2	4	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB3	4	1.78
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB2	10	1.78
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB3	10	1.78
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB2	12	1.78
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB3	12	1.78
(1,1383)	1:41:A:SER:HA	1:42:A:LEU:HA	4	1.78
(1,1383)	1:41:A:SER:HA	1:42:A:LEU:HA	8	1.78
(1,1383)	1:41:A:SER:HA	1:42:A:LEU:HA	9	1.78
(1,1383)	1:41:A:SER:HA	1:42:A:LEU:HA	10	1.78
(1,1383)	1:41:A:SER:HA	1:42:A:LEU:HA	11	1.78
(1,1383)	1:41:A:SER:HA	1:42:A:LEU:HA	14	1.78
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG21	1	1.78
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG22	1	1.78
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG23	1	1.78
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG21	7	1.78
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG22	7	1.78
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG23	7	1.78
(1,1322)	1:26:A:PRO:HA	1:30:A:LYS:HG2	12	1.78
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD21	2	1.78
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD22	2	1.78
(1,1282)	1:15:A:ILE:HA	1:17:A:LEU:HD23	2	1.78
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE1	12	1.78
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE2	12	1.78
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE1	12	1.78
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE2	12	1.78
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE1	12	1.78
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE2	12	1.78
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD11	6	1.78
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD12	6	1.78
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD13	6	1.78
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD11	6	1.78
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD12	6	1.78
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD13	6	1.78
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD11	5	1.78
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD12	5	1.78
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD13	5	1.78
(1,2149)	1:91:A:SER:H	1:88:A:ALA:HA	2	1.77
(1,2138)	1:89:A:ALA:H	1:91:A:SER:H	1	1.77
(1,2082)	1:83:A:ASP:HA	1:82:A:MET:H	1	1.77
(1,2082)	1:83:A:ASP:HA	1:82:A:MET:H	2	1.77
(1,2082)	1:83:A:ASP:HA	1:82:A:MET:H	5	1.77
(1,2082)	1:83:A:ASP:HA	1:82:A:MET:H	8	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2082)	1:83:A:ASP:HA	1:82:A:MET:H	10	1.77
(1,2082)	1:83:A:ASP:HA	1:82:A:MET:H	11	1.77
(1,2082)	1:83:A:ASP:HA	1:82:A:MET:H	14	1.77
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD11	3	1.77
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD12	3	1.77
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD13	3	1.77
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD21	3	1.77
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD22	3	1.77
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD23	3	1.77
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD11	3	1.77
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD12	3	1.77
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD13	3	1.77
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD21	3	1.77
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD22	3	1.77
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD23	3	1.77
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD11	15	1.77
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD12	15	1.77
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD13	15	1.77
(1,1995)	1:73:A:ASN:HA	1:72:A:THR:H	15	1.77
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG21	5	1.77
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG22	5	1.77
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG23	5	1.77
(1,1966)	1:70:A:SER:HA	1:72:A:THR:H	9	1.77
(1,1959)	1:69:A:ALA:H	1:66:A:VAL:H	2	1.77
(1,1959)	1:69:A:ALA:H	1:66:A:VAL:H	12	1.77
(1,1955)	1:68:A:LYS:HG2	1:69:A:ALA:H	14	1.77
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE2	5	1.77
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE3	5	1.77
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG2	1	1.77
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG3	1	1.77
(1,1868)	1:57:A:GLN:H	1:56:A:LEU:HG	5	1.77
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB2	9	1.77
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB3	9	1.77
(1,1794)	1:43:A:ALA:H	1:41:A:SER:H	1	1.77
(1,1782)	1:40:A:ARG:HG3	1:44:A:THR:HB	1	1.77
(1,1780)	1:40:A:ARG:H	1:42:A:LEU:H	2	1.77
(1,1734)	1:29:A:VAL:H	1:31:A:THR:H	6	1.77
(1,1734)	1:29:A:VAL:H	1:31:A:THR:H	11	1.77
(1,1734)	1:29:A:VAL:H	1:31:A:THR:H	13	1.77
(1,1734)	1:29:A:VAL:H	1:31:A:THR:H	14	1.77
(1,1729)	1:29:A:VAL:H	1:27:A:VAL:HA	13	1.77
(1,1715)	1:25:A:LEU:HA	1:28:A:ALA:H	3	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1715)	1:25:A:LEU:HA	1:28:A:ALA:H	6	1.77
(1,1715)	1:25:A:LEU:HA	1:28:A:ALA:H	9	1.77
(1,1713)	1:25:A:LEU:HA	1:24:A:ARG:H	3	1.77
(1,1713)	1:25:A:LEU:HA	1:24:A:ARG:H	4	1.77
(1,1713)	1:25:A:LEU:HA	1:24:A:ARG:H	5	1.77
(1,1713)	1:25:A:LEU:HA	1:24:A:ARG:H	7	1.77
(1,1713)	1:25:A:LEU:HA	1:24:A:ARG:H	8	1.77
(1,1713)	1:25:A:LEU:HA	1:24:A:ARG:H	10	1.77
(1,1713)	1:25:A:LEU:HA	1:24:A:ARG:H	15	1.77
(1,1699)	1:21:A:GLY:H	1:23:A:GLN:H	4	1.77
(1,1699)	1:21:A:GLY:H	1:23:A:GLN:H	5	1.77
(1,1699)	1:21:A:GLY:H	1:23:A:GLN:H	7	1.77
(1,1699)	1:21:A:GLY:H	1:23:A:GLN:H	10	1.77
(1,1647)	1:13:A:PHE:HZ	1:17:A:LEU:HG	6	1.77
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG21	9	1.77
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG22	9	1.77
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG23	9	1.77
(1,1567)	1:3:A:ASP:HB2	1:4:A:ILE:HB	7	1.77
(1,1554)	1:2:A:PHE:HB2	1:4:A:ILE:HA	15	1.77
(1,1539)	1:102:A:LEU:HB2	1:101:A:PRO:HA	13	1.77
(1,1539)	1:102:A:LEU:HB2	1:101:A:PRO:HA	15	1.77
(1,1519)	1:93:A:LYS:H	1:89:A:ALA:H	6	1.77
(1,1519)	1:93:A:LYS:H	1:89:A:ALA:H	7	1.77
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD2	12	1.77
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD3	12	1.77
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD11	8	1.77
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD12	8	1.77
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD13	8	1.77
(1,1468)	1:73:A:ASN:H	1:70:A:SER:HA	14	1.77
(1,1461)	1:70:A:SER:H	1:67:A:GLU:HB2	13	1.77
(1,1457)	1:69:A:ALA:H	1:70:A:SER:HA	8	1.77
(1,1452)	1:67:A:GLU:HG2	1:68:A:LYS:H	5	1.77
(1,1452)	1:67:A:GLU:HG3	1:68:A:LYS:H	5	1.77
(1,1452)	1:67:A:GLU:HG2	1:68:A:LYS:H	7	1.77
(1,1452)	1:67:A:GLU:HG3	1:68:A:LYS:H	7	1.77
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD21	13	1.77
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD22	13	1.77
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD23	13	1.77
(1,1426)	1:50:A:LEU:H	1:51:A:THR:HA	7	1.77
(1,1383)	1:41:A:SER:HA	1:42:A:LEU:HA	2	1.77
(1,1322)	1:26:A:PRO:HA	1:30:A:LYS:HG2	4	1.77
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG2	2	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG3	2	1.77
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD21	2	1.77
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD22	2	1.77
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD23	2	1.77
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG21	5	1.77
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG22	5	1.77
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG23	5	1.77
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG21	6	1.77
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG22	6	1.77
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG23	6	1.77
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG21	3	1.77
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG22	3	1.77
(1,1250)	1:8:A:GLU:H	1:12:A:VAL:HG23	3	1.77
(4,138)	1:56:A:LEU:O	1:60:A:GLN:N	2	1.76
(1,2239)	1:103:A:GLU:H	1:100:A:ASP:H	14	1.76
(1,2211)	1:97:A:VAL:H	1:100:A:ASP:H	6	1.76
(1,2149)	1:91:A:SER:H	1:88:A:ALA:HA	4	1.76
(1,2149)	1:91:A:SER:H	1:88:A:ALA:HA	5	1.76
(1,2149)	1:91:A:SER:H	1:88:A:ALA:HA	11	1.76
(1,2083)	1:83:A:ASP:HA	1:85:A:LEU:H	7	1.76
(1,2082)	1:83:A:ASP:HA	1:82:A:MET:H	4	1.76
(1,2082)	1:83:A:ASP:HA	1:82:A:MET:H	6	1.76
(1,2082)	1:83:A:ASP:HA	1:82:A:MET:H	15	1.76
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD11	4	1.76
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD12	4	1.76
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD13	4	1.76
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD11	5	1.76
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD12	5	1.76
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD13	5	1.76
(1,2010)	1:75:A:THR:H	1:78:A:LEU:H	15	1.76
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG21	7	1.76
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG22	7	1.76
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG23	7	1.76
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB1	4	1.76
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB2	4	1.76
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB3	4	1.76
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB1	4	1.76
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB2	4	1.76
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB3	4	1.76
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG11	14	1.76
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG12	14	1.76
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG13	14	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1885)	1:61:A:ASP:H	1:62:A:SER:HB3	12	1.76
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD21	1	1.76
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD22	1	1.76
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD23	1	1.76
(1,1868)	1:57:A:GLN:H	1:56:A:LEU:HG	4	1.76
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB2	1	1.76
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB3	1	1.76
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB2	13	1.76
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB3	13	1.76
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG21	6	1.76
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG22	6	1.76
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG23	6	1.76
(1,1833)	1:48:A:ASN:HA	1:49:A:GLU:HB2	12	1.76
(1,1827)	1:47:A:GLN:HA	1:46:A:VAL:HB	6	1.76
(1,1794)	1:43:A:ALA:H	1:41:A:SER:H	11	1.76
(1,1715)	1:25:A:LEU:HA	1:28:A:ALA:H	4	1.76
(1,1715)	1:25:A:LEU:HA	1:28:A:ALA:H	5	1.76
(1,1715)	1:25:A:LEU:HA	1:28:A:ALA:H	7	1.76
(1,1715)	1:25:A:LEU:HA	1:28:A:ALA:H	8	1.76
(1,1715)	1:25:A:LEU:HA	1:28:A:ALA:H	10	1.76
(1,1715)	1:25:A:LEU:HA	1:28:A:ALA:H	11	1.76
(1,1715)	1:25:A:LEU:HA	1:28:A:ALA:H	14	1.76
(1,1715)	1:25:A:LEU:HA	1:28:A:ALA:H	15	1.76
(1,1713)	1:25:A:LEU:HA	1:24:A:ARG:H	14	1.76
(1,1647)	1:13:A:PHE:HZ	1:17:A:LEU:HG	5	1.76
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB2	3	1.76
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB3	3	1.76
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB2	6	1.76
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB3	6	1.76
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB2	9	1.76
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB3	9	1.76
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD2	14	1.76
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD3	14	1.76
(1,1468)	1:73:A:ASN:H	1:70:A:SER:HA	4	1.76
(1,1457)	1:69:A:ALA:H	1:70:A:SER:HA	6	1.76
(1,1444)	1:63:A:LEU:HA	1:66:A:VAL:HB	7	1.76
(1,1444)	1:63:A:LEU:HA	1:66:A:VAL:HB	15	1.76
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD21	4	1.76
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD22	4	1.76
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD23	4	1.76
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD21	5	1.76
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD22	5	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD23	5	1.76
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD11	2	1.76
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD12	2	1.76
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD13	2	1.76
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD21	2	1.76
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD22	2	1.76
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD23	2	1.76
(1,1426)	1:50:A:LEU:H	1:51:A:THR:HA	5	1.76
(1,1420)	1:48:A:ASN:H	1:44:A:THR:H	8	1.76
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG21	14	1.76
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG22	14	1.76
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG23	14	1.76
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG21	14	1.76
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG22	14	1.76
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG23	14	1.76
(1,1391)	1:42:A:LEU:HD11	1:45:A:THR:H	15	1.76
(1,1391)	1:42:A:LEU:HD12	1:45:A:THR:H	15	1.76
(1,1391)	1:42:A:LEU:HD13	1:45:A:THR:H	15	1.76
(1,1391)	1:42:A:LEU:HD21	1:45:A:THR:H	15	1.76
(1,1391)	1:42:A:LEU:HD22	1:45:A:THR:H	15	1.76
(1,1391)	1:42:A:LEU:HD23	1:45:A:THR:H	15	1.76
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB2	3	1.76
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB3	3	1.76
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG21	6	1.76
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG22	6	1.76
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG23	6	1.76
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG21	2	1.76
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG22	2	1.76
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG23	2	1.76
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB1	1	1.76
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB2	1	1.76
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB3	1	1.76
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB1	1	1.76
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB2	1	1.76
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB3	1	1.76
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB1	1	1.76
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB2	1	1.76
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB3	1	1.76
(1,1313)	1:21:A:GLY:H	1:20:A:LEU:HG	13	1.76
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB2	11	1.76
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	11	1.76
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB2	11	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	11	1.76
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB2	11	1.76
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	11	1.76
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG11	13	1.76
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG12	13	1.76
(1,1261)	1:11:A:LEU:HG	1:12:A:VAL:HG13	13	1.76
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD11	8	1.76
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD12	8	1.76
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD13	8	1.76
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG21	2	1.76
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG22	2	1.76
(1,1255)	1:10:A:LEU:H	1:12:A:VAL:HG23	2	1.76
(1,2238)	1:103:A:GLU:H	1:100:A:ASP:HB2	10	1.75
(1,2238)	1:103:A:GLU:H	1:100:A:ASP:HB3	10	1.75
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB2	5	1.75
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB3	5	1.75
(1,2213)	1:98:A:ALA:H	1:97:A:VAL:HB	7	1.75
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB1	14	1.75
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB2	14	1.75
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB3	14	1.75
(1,2201)	1:97:A:VAL:H	1:94:A:ARG:HA	13	1.75
(1,2201)	1:97:A:VAL:H	1:94:A:ARG:HA	15	1.75
(1,2138)	1:89:A:ALA:H	1:91:A:SER:H	3	1.75
(1,2082)	1:83:A:ASP:HA	1:82:A:MET:H	3	1.75
(1,2082)	1:83:A:ASP:HA	1:82:A:MET:H	9	1.75
(1,2082)	1:83:A:ASP:HA	1:82:A:MET:H	13	1.75
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD11	5	1.75
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD12	5	1.75
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD13	5	1.75
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD21	5	1.75
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD22	5	1.75
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD23	5	1.75
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD11	5	1.75
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD12	5	1.75
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD13	5	1.75
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD21	5	1.75
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD22	5	1.75
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD23	5	1.75
(1,2028)	1:77:A:GLU:HG3	1:78:A:LEU:H	4	1.75
(1,2010)	1:75:A:THR:H	1:78:A:LEU:H	12	1.75
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB1	14	1.75
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB2	14	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB3	14	1.75
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB1	14	1.75
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB2	14	1.75
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB3	14	1.75
(1,1959)	1:69:A:ALA:H	1:66:A:VAL:H	1	1.75
(1,1959)	1:69:A:ALA:H	1:66:A:VAL:H	5	1.75
(1,1959)	1:69:A:ALA:H	1:66:A:VAL:H	7	1.75
(1,1955)	1:68:A:LYS:HG2	1:69:A:ALA:H	6	1.75
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE2	9	1.75
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE3	9	1.75
(1,1937)	1:66:A:VAL:HA	1:69:A:ALA:HA	11	1.75
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB1	8	1.75
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB2	8	1.75
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB3	8	1.75
(1,1898)	1:63:A:LEU:H	1:61:A:ASP:H	2	1.75
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG2	8	1.75
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG3	8	1.75
(1,1827)	1:47:A:GLN:HA	1:46:A:VAL:HB	15	1.75
(1,1713)	1:25:A:LEU:HA	1:24:A:ARG:H	6	1.75
(1,1713)	1:25:A:LEU:HA	1:24:A:ARG:H	13	1.75
(1,1689)	1:20:A:LEU:H	1:18:A:VAL:HA	13	1.75
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG21	5	1.75
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG22	5	1.75
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG23	5	1.75
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG21	6	1.75
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG22	6	1.75
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG23	6	1.75
(1,1631)	1:12:A:VAL:HB	1:11:A:LEU:H	1	1.75
(1,1603)	1:6:A:PHE:HA	1:10:A:LEU:H	9	1.75
(1,1546)	1:2:A:PHE:HD1	1:1:A:MET:HA	11	1.75
(1,1546)	1:2:A:PHE:HD2	1:1:A:MET:HA	11	1.75
(1,1533)	1:97:A:VAL:H	1:98:A:ALA:H	3	1.75
(1,1519)	1:93:A:LYS:H	1:89:A:ALA:H	14	1.75
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB2	13	1.75
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB3	13	1.75
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD2	12	1.75
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD3	12	1.75
(1,1444)	1:63:A:LEU:HA	1:66:A:VAL:HB	8	1.75
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG2	11	1.75
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG3	11	1.75
(1,1426)	1:50:A:LEU:H	1:51:A:THR:HA	1	1.75
(1,1426)	1:50:A:LEU:H	1:51:A:THR:HA	4	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1426)	1:50:A:LEU:H	1:51:A:THR:HA	6	1.75
(1,1425)	1:48:A:ASN:HA	1:51:A:THR:H	3	1.75
(1,1425)	1:48:A:ASN:HA	1:51:A:THR:H	4	1.75
(1,1420)	1:48:A:ASN:H	1:44:A:THR:H	2	1.75
(1,1420)	1:48:A:ASN:H	1:44:A:THR:H	9	1.75
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB2	10	1.75
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB3	10	1.75
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB2	14	1.75
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB3	14	1.75
(1,1391)	1:42:A:LEU:HD11	1:45:A:THR:H	6	1.75
(1,1391)	1:42:A:LEU:HD12	1:45:A:THR:H	6	1.75
(1,1391)	1:42:A:LEU:HD13	1:45:A:THR:H	6	1.75
(1,1391)	1:42:A:LEU:HD21	1:45:A:THR:H	6	1.75
(1,1391)	1:42:A:LEU:HD22	1:45:A:THR:H	6	1.75
(1,1391)	1:42:A:LEU:HD23	1:45:A:THR:H	6	1.75
(1,1391)	1:42:A:LEU:HD11	1:45:A:THR:H	14	1.75
(1,1391)	1:42:A:LEU:HD12	1:45:A:THR:H	14	1.75
(1,1391)	1:42:A:LEU:HD13	1:45:A:THR:H	14	1.75
(1,1391)	1:42:A:LEU:HD21	1:45:A:THR:H	14	1.75
(1,1391)	1:42:A:LEU:HD22	1:45:A:THR:H	14	1.75
(1,1391)	1:42:A:LEU:HD23	1:45:A:THR:H	14	1.75
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB2	7	1.75
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB3	7	1.75
(1,1352)	1:35:A:TRP:HE3	1:32:A:VAL:HA	4	1.75
(1,1322)	1:26:A:PRO:HA	1:30:A:LYS:HG2	5	1.75
(1,1281)	1:15:A:ILE:HA	1:11:A:LEU:HG	5	1.75
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD11	3	1.75
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD12	3	1.75
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD13	3	1.75
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD11	7	1.75
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD12	7	1.75
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD13	7	1.75
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD11	15	1.75
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD12	15	1.75
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD13	15	1.75
(1,2201)	1:97:A:VAL:H	1:94:A:ARG:HA	1	1.74
(1,2138)	1:89:A:ALA:H	1:91:A:SER:H	6	1.74
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD11	9	1.74
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD12	9	1.74
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD13	9	1.74
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD21	9	1.74
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD22	9	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD23	9	1.74
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD11	9	1.74
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD12	9	1.74
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD13	9	1.74
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD21	9	1.74
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD22	9	1.74
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD23	9	1.74
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD11	11	1.74
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD12	11	1.74
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD13	11	1.74
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD21	11	1.74
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD22	11	1.74
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD23	11	1.74
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD11	11	1.74
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD12	11	1.74
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD13	11	1.74
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD21	11	1.74
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD22	11	1.74
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD23	11	1.74
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD11	13	1.74
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD12	13	1.74
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD13	13	1.74
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD21	13	1.74
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD22	13	1.74
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD23	13	1.74
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD11	13	1.74
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD12	13	1.74
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD13	13	1.74
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD21	13	1.74
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD22	13	1.74
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD23	13	1.74
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD11	14	1.74
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD12	14	1.74
(1,2065)	1:82:A:MET:H	1:78:A:LEU:HD13	14	1.74
(1,2020)	1:76:A:PRO:HA	1:79:A:LYS:HB3	7	1.74
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD21	5	1.74
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD22	5	1.74
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD23	5	1.74
(1,1977)	1:71:A:LEU:HB3	1:72:A:THR:H	1	1.74
(1,1977)	1:71:A:LEU:HB3	1:72:A:THR:H	2	1.74
(1,1977)	1:71:A:LEU:HB3	1:72:A:THR:H	10	1.74
(1,1977)	1:71:A:LEU:HB3	1:72:A:THR:H	11	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1977)	1:71:A:LEU:HB3	1:72:A:THR:H	12	1.74
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB1	7	1.74
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB2	7	1.74
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB3	7	1.74
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG11	9	1.74
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG12	9	1.74
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG13	9	1.74
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD21	2	1.74
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD22	2	1.74
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD23	2	1.74
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD21	8	1.74
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD22	8	1.74
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD23	8	1.74
(1,1868)	1:57:A:GLN:H	1:56:A:LEU:HG	3	1.74
(1,1868)	1:57:A:GLN:H	1:56:A:LEU:HG	6	1.74
(1,1868)	1:57:A:GLN:H	1:56:A:LEU:HG	15	1.74
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG21	7	1.74
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG22	7	1.74
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG23	7	1.74
(1,1789)	1:42:A:LEU:H	1:44:A:THR:H	15	1.74
(1,1780)	1:40:A:ARG:H	1:42:A:LEU:H	11	1.74
(1,1715)	1:25:A:LEU:HA	1:28:A:ALA:H	13	1.74
(1,1699)	1:21:A:GLY:H	1:23:A:GLN:H	13	1.74
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG21	9	1.74
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG22	9	1.74
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG23	9	1.74
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG21	13	1.74
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG22	13	1.74
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG23	13	1.74
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG21	5	1.74
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG22	5	1.74
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG23	5	1.74
(1,1620)	1:9:A:LEU:HA	1:12:A:VAL:H	12	1.74
(1,1603)	1:6:A:PHE:HA	1:10:A:LEU:H	10	1.74
(1,1567)	1:3:A:ASP:HB2	1:4:A:ILE:HB	14	1.74
(1,1554)	1:2:A:PHE:HB2	1:4:A:ILE:HA	13	1.74
(1,1531)	1:96:A:TYR:HB2	1:98:A:ALA:H	2	1.74
(1,1531)	1:96:A:TYR:HB3	1:98:A:ALA:H	2	1.74
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB2	12	1.74
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB3	12	1.74
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB2	15	1.74
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB3	15	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD2	7	1.74
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD3	7	1.74
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD2	10	1.74
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD3	10	1.74
(1,1468)	1:73:A:ASN:H	1:70:A:SER:HA	1	1.74
(1,1468)	1:73:A:ASN:H	1:70:A:SER:HA	2	1.74
(1,1468)	1:73:A:ASN:H	1:70:A:SER:HA	12	1.74
(1,1461)	1:70:A:SER:H	1:67:A:GLU:HB2	3	1.74
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD11	11	1.74
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD12	11	1.74
(1,1451)	1:67:A:GLU:H	1:63:A:LEU:HD13	11	1.74
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB2	9	1.74
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB3	9	1.74
(1,1441)	1:60:A:GLN:H	1:56:A:LEU:H	15	1.74
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD21	3	1.74
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD22	3	1.74
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD23	3	1.74
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD21	8	1.74
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD22	8	1.74
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD23	8	1.74
(1,1426)	1:50:A:LEU:H	1:51:A:THR:HA	9	1.74
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB1	12	1.74
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB2	12	1.74
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB3	12	1.74
(1,1322)	1:26:A:PRO:HA	1:30:A:LYS:HG2	8	1.74
(1,1322)	1:26:A:PRO:HA	1:30:A:LYS:HG2	14	1.74
(1,1313)	1:21:A:GLY:H	1:20:A:LEU:HG	2	1.74
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD11	5	1.74
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD12	5	1.74
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD13	5	1.74
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD11	5	1.74
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD12	5	1.74
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD13	5	1.74
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD11	2	1.74
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD12	2	1.74
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD13	2	1.74
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD11	10	1.74
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD12	10	1.74
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD13	10	1.74
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG21	4	1.74
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG22	4	1.74
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG23	4	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG21	14	1.74
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG22	14	1.74
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG23	14	1.74
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD21	3	1.74
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD22	3	1.74
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD23	3	1.74
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD21	3	1.74
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD22	3	1.74
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD23	3	1.74
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD21	1	1.73
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD22	1	1.73
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD23	1	1.73
(1,2227)	1:101:A:PRO:HG2	1:100:A:ASP:HA	1	1.73
(1,2227)	1:101:A:PRO:HG3	1:100:A:ASP:HA	1	1.73
(1,2227)	1:101:A:PRO:HG2	1:100:A:ASP:HA	12	1.73
(1,2227)	1:101:A:PRO:HG3	1:100:A:ASP:HA	12	1.73
(1,2227)	1:101:A:PRO:HG2	1:100:A:ASP:HA	13	1.73
(1,2227)	1:101:A:PRO:HG3	1:100:A:ASP:HA	13	1.73
(1,2227)	1:101:A:PRO:HG2	1:100:A:ASP:HA	15	1.73
(1,2227)	1:101:A:PRO:HG3	1:100:A:ASP:HA	15	1.73
(1,2201)	1:97:A:VAL:H	1:94:A:ARG:HA	12	1.73
(1,2138)	1:89:A:ALA:H	1:91:A:SER:H	7	1.73
(1,2138)	1:89:A:ALA:H	1:91:A:SER:H	8	1.73
(1,2138)	1:89:A:ALA:H	1:91:A:SER:H	12	1.73
(1,2138)	1:89:A:ALA:H	1:91:A:SER:H	15	1.73
(1,2115)	1:86:A:ARG:HB2	1:83:A:ASP:HB2	14	1.73
(1,2115)	1:86:A:ARG:HB3	1:83:A:ASP:HB2	14	1.73
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD11	10	1.73
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD12	10	1.73
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD13	10	1.73
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD21	10	1.73
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD22	10	1.73
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD23	10	1.73
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD11	10	1.73
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD12	10	1.73
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD13	10	1.73
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD21	10	1.73
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD22	10	1.73
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD23	10	1.73
(1,2010)	1:75:A:THR:H	1:78:A:LEU:H	1	1.73
(1,1977)	1:71:A:LEU:HB3	1:72:A:THR:H	5	1.73
(1,1977)	1:71:A:LEU:HB3	1:72:A:THR:H	7	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE2	14	1.73
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE3	14	1.73
(1,1900)	1:63:A:LEU:HG	1:62:A:SER:HB3	6	1.73
(1,1890)	1:62:A:SER:H	1:60:A:GLN:H	2	1.73
(1,1885)	1:61:A:ASP:H	1:62:A:SER:HB3	6	1.73
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG2	6	1.73
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG3	6	1.73
(1,1865)	1:55:A:LYS:HG2	1:56:A:LEU:H	5	1.73
(1,1865)	1:55:A:LYS:HG3	1:56:A:LEU:H	5	1.73
(1,1865)	1:55:A:LYS:HG2	1:56:A:LEU:H	7	1.73
(1,1865)	1:55:A:LYS:HG3	1:56:A:LEU:H	7	1.73
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB2	11	1.73
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB3	11	1.73
(1,1831)	1:47:A:GLN:HG2	1:48:A:ASN:H	5	1.73
(1,1831)	1:47:A:GLN:HG3	1:48:A:ASN:H	5	1.73
(1,1827)	1:47:A:GLN:HA	1:46:A:VAL:HB	7	1.73
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG21	4	1.73
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG22	4	1.73
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG23	4	1.73
(1,1804)	1:45:A:THR:H	1:42:A:LEU:H	15	1.73
(1,1794)	1:43:A:ALA:H	1:41:A:SER:H	2	1.73
(1,1794)	1:43:A:ALA:H	1:41:A:SER:H	4	1.73
(1,1713)	1:25:A:LEU:HA	1:24:A:ARG:H	2	1.73
(1,1687)	1:18:A:VAL:HB	1:19:A:VAL:H	2	1.73
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG21	4	1.73
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG22	4	1.73
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG23	4	1.73
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG21	10	1.73
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG22	10	1.73
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG23	10	1.73
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG21	12	1.73
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG22	12	1.73
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG23	12	1.73
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG21	14	1.73
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG22	14	1.73
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG23	14	1.73
(1,1666)	1:15:A:ILE:HG12	1:16:A:GLY:H	11	1.73
(1,1647)	1:13:A:PHE:HZ	1:17:A:LEU:HG	15	1.73
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG21	6	1.73
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG22	6	1.73
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG23	6	1.73
(1,1620)	1:9:A:LEU:HA	1:12:A:VAL:H	1	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1613)	1:8:A:GLU:HB2	1:7:A:SER:H	8	1.73
(1,1603)	1:6:A:PHE:HA	1:10:A:LEU:H	2	1.73
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE1	4	1.73
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE2	4	1.73
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE3	4	1.73
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE1	8	1.73
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE2	8	1.73
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE3	8	1.73
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB2	1	1.73
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB3	1	1.73
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB2	10	1.73
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB3	10	1.73
(1,1468)	1:73:A:ASN:H	1:70:A:SER:HA	10	1.73
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG2	1	1.73
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG3	1	1.73
(1,1444)	1:63:A:LEU:HA	1:66:A:VAL:HB	1	1.73
(1,1426)	1:50:A:LEU:H	1:51:A:THR:HA	3	1.73
(1,1426)	1:50:A:LEU:H	1:51:A:THR:HA	8	1.73
(1,1426)	1:50:A:LEU:H	1:51:A:THR:HA	13	1.73
(1,1420)	1:48:A:ASN:H	1:44:A:THR:H	5	1.73
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB1	1	1.73
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB2	1	1.73
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB3	1	1.73
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB2	3	1.73
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB3	3	1.73
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD1	3	1.73
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD2	3	1.73
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD11	13	1.73
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD12	13	1.73
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD13	13	1.73
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD21	13	1.73
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD22	13	1.73
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD23	13	1.73
(1,893)	1:65:A:LYS:HB2	1:68:A:LYS:H	7	1.73
(1,2227)	1:101:A:PRO:HG2	1:100:A:ASP:HA	11	1.72
(1,2227)	1:101:A:PRO:HG3	1:100:A:ASP:HA	11	1.72
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG21	4	1.72
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG22	4	1.72
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG23	4	1.72
(1,2138)	1:89:A:ALA:H	1:91:A:SER:H	13	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD11	4	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD12	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD13	4	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD21	4	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD22	4	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD23	4	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD11	4	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD12	4	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD13	4	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD21	4	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD22	4	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD23	4	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD11	6	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD12	6	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD13	6	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD21	6	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD22	6	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD23	6	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD11	6	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD12	6	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD13	6	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD21	6	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD22	6	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD23	6	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD11	8	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD12	8	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD13	8	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD21	8	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD22	8	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD23	8	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD11	8	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD12	8	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD13	8	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD21	8	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD22	8	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD23	8	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD11	12	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD12	12	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD13	12	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD21	12	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD22	12	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD23	12	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD11	12	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD12	12	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD13	12	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD21	12	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD22	12	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD23	12	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD11	15	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD12	15	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD13	15	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD21	15	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD22	15	1.72
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD23	15	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD11	15	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD12	15	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD13	15	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD21	15	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD22	15	1.72
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD23	15	1.72
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG21	3	1.72
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG22	3	1.72
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG23	3	1.72
(1,2028)	1:77:A:GLU:HG3	1:78:A:LEU:H	3	1.72
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD21	7	1.72
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD22	7	1.72
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD23	7	1.72
(1,1982)	1:73:A:ASN:HD21	1:69:A:ALA:HA	15	1.72
(1,1982)	1:73:A:ASN:HD22	1:69:A:ALA:HA	15	1.72
(1,1959)	1:69:A:ALA:H	1:66:A:VAL:H	11	1.72
(1,1959)	1:69:A:ALA:H	1:66:A:VAL:H	15	1.72
(1,1914)	1:64:A:LYS:HA	1:66:A:VAL:H	6	1.72
(1,1910)	1:64:A:LYS:H	1:62:A:SER:H	7	1.72
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG11	2	1.72
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG12	2	1.72
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG13	2	1.72
(1,1898)	1:63:A:LEU:H	1:61:A:ASP:H	3	1.72
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD11	2	1.72
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD12	2	1.72
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD13	2	1.72
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG2	11	1.72
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG3	11	1.72
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG2	11	1.72
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG3	11	1.72
(1,1864)	1:55:A:LYS:H	1:54:A:LEU:HB2	12	1.72
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG11	12	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG12	12	1.72
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG13	12	1.72
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB1	14	1.72
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB2	14	1.72
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB3	14	1.72
(1,1780)	1:40:A:ARG:H	1:42:A:LEU:H	4	1.72
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG2	15	1.72
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG3	15	1.72
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG21	1	1.72
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG22	1	1.72
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG23	1	1.72
(1,1666)	1:15:A:ILE:HG12	1:16:A:GLY:H	3	1.72
(1,1666)	1:15:A:ILE:HG12	1:16:A:GLY:H	7	1.72
(1,1647)	1:13:A:PHE:HZ	1:17:A:LEU:HG	2	1.72
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG21	15	1.72
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG22	15	1.72
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG23	15	1.72
(1,1613)	1:8:A:GLU:HB2	1:7:A:SER:H	3	1.72
(1,1604)	1:8:A:GLU:HB2	1:4:A:ILE:HA	1	1.72
(1,1604)	1:8:A:GLU:HB2	1:4:A:ILE:HA	2	1.72
(1,1604)	1:8:A:GLU:HB2	1:4:A:ILE:HA	4	1.72
(1,1604)	1:8:A:GLU:HB2	1:4:A:ILE:HA	9	1.72
(1,1604)	1:8:A:GLU:HB2	1:4:A:ILE:HA	10	1.72
(1,1604)	1:8:A:GLU:HB2	1:4:A:ILE:HA	14	1.72
(1,1574)	1:4:A:ILE:HB	1:3:A:ASP:HA	11	1.72
(1,1569)	1:3:A:ASP:H	1:5:A:GLY:H	13	1.72
(1,1533)	1:97:A:VAL:H	1:98:A:ALA:H	2	1.72
(1,1531)	1:96:A:TYR:HB2	1:98:A:ALA:H	3	1.72
(1,1531)	1:96:A:TYR:HB3	1:98:A:ALA:H	3	1.72
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE1	9	1.72
(1,1523)	1:93:A:LYS:HB2	1:96:A:TYR:HE2	9	1.72
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD2	1	1.72
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD3	1	1.72
(1,1461)	1:70:A:SER:H	1:67:A:GLU:HB2	4	1.72
(1,1461)	1:70:A:SER:H	1:67:A:GLU:HB2	14	1.72
(1,1457)	1:69:A:ALA:H	1:70:A:SER:HA	5	1.72
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG21	11	1.72
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG22	11	1.72
(1,1369)	1:36:A:ILE:H	1:32:A:VAL:HG23	11	1.72
(1,1352)	1:35:A:TRP:HE3	1:32:A:VAL:HA	5	1.72
(1,1322)	1:26:A:PRO:HA	1:30:A:LYS:HG2	9	1.72
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD11	13	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD12	13	1.72
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD13	13	1.72
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD11	4	1.72
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD12	4	1.72
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD13	4	1.72
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD11	4	1.72
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD12	4	1.72
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD13	4	1.72
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD11	6	1.72
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD12	6	1.72
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD13	6	1.72
(1,893)	1:65:A:LYS:HB2	1:68:A:LYS:H	5	1.72
(1,893)	1:65:A:LYS:HB2	1:68:A:LYS:H	15	1.72
(4,138)	1:56:A:LEU:O	1:60:A:GLN:N	11	1.71
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD21	12	1.71
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD22	12	1.71
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD23	12	1.71
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG11	11	1.71
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG12	11	1.71
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG13	11	1.71
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE2	11	1.71
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE3	11	1.71
(1,2162)	1:93:A:LYS:H	1:95:A:SER:H	12	1.71
(1,2162)	1:93:A:LYS:H	1:95:A:SER:H	13	1.71
(1,2162)	1:93:A:LYS:H	1:95:A:SER:H	15	1.71
(1,2127)	1:87:A:GLN:HE21	1:83:A:ASP:HB3	10	1.71
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG21	9	1.71
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG22	9	1.71
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG23	9	1.71
(1,2026)	1:77:A:GLU:HG2	1:78:A:LEU:H	6	1.71
(1,2010)	1:75:A:THR:H	1:78:A:LEU:H	10	1.71
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD21	1	1.71
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD22	1	1.71
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD23	1	1.71
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD21	10	1.71
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD22	10	1.71
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD23	10	1.71
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD21	12	1.71
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD22	12	1.71
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD23	12	1.71
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG11	3	1.71
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG12	3	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG13	3	1.71
(1,1898)	1:63:A:LEU:H	1:61:A:ASP:H	4	1.71
(1,1865)	1:55:A:LYS:HG2	1:56:A:LEU:H	4	1.71
(1,1865)	1:55:A:LYS:HG3	1:56:A:LEU:H	4	1.71
(1,1865)	1:55:A:LYS:HG2	1:56:A:LEU:H	10	1.71
(1,1865)	1:55:A:LYS:HG3	1:56:A:LEU:H	10	1.71
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG2	13	1.71
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG3	13	1.71
(1,1831)	1:47:A:GLN:HG2	1:48:A:ASN:H	3	1.71
(1,1831)	1:47:A:GLN:HG3	1:48:A:ASN:H	3	1.71
(1,1806)	1:45:A:THR:H	1:44:A:THR:HB	3	1.71
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB1	12	1.71
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB2	12	1.71
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB3	12	1.71
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB1	15	1.71
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB2	15	1.71
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB3	15	1.71
(1,1734)	1:29:A:VAL:H	1:31:A:THR:H	2	1.71
(1,1734)	1:29:A:VAL:H	1:31:A:THR:H	12	1.71
(1,1729)	1:29:A:VAL:H	1:27:A:VAL:HA	2	1.71
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG21	1	1.71
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG22	1	1.71
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG23	1	1.71
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG21	11	1.71
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG22	11	1.71
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG23	11	1.71
(1,1666)	1:15:A:ILE:HG12	1:16:A:GLY:H	8	1.71
(1,1666)	1:15:A:ILE:HG12	1:16:A:GLY:H	15	1.71
(1,1647)	1:13:A:PHE:HZ	1:17:A:LEU:HG	3	1.71
(1,1647)	1:13:A:PHE:HZ	1:17:A:LEU:HG	4	1.71
(1,1647)	1:13:A:PHE:HZ	1:17:A:LEU:HG	7	1.71
(1,1647)	1:13:A:PHE:HZ	1:17:A:LEU:HG	8	1.71
(1,1647)	1:13:A:PHE:HZ	1:17:A:LEU:HG	14	1.71
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG21	5	1.71
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG22	5	1.71
(1,1640)	1:13:A:PHE:H	1:12:A:VAL:HG23	5	1.71
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG11	13	1.71
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG12	13	1.71
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG13	13	1.71
(1,1631)	1:12:A:VAL:HB	1:11:A:LEU:H	5	1.71
(1,1620)	1:9:A:LEU:HA	1:12:A:VAL:H	11	1.71
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG21	13	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG22	13	1.71
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG23	13	1.71
(1,1569)	1:3:A:ASP:H	1:5:A:GLY:H	15	1.71
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB2	2	1.71
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB3	2	1.71
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB2	5	1.71
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB3	5	1.71
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB2	11	1.71
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB3	11	1.71
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD11	4	1.71
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD12	4	1.71
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD13	4	1.71
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD11	14	1.71
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD12	14	1.71
(1,1476)	1:75:A:THR:H	1:74:A:LEU:HD13	14	1.71
(1,1457)	1:69:A:ALA:H	1:70:A:SER:HA	7	1.71
(1,1452)	1:67:A:GLU:HG2	1:68:A:LYS:H	15	1.71
(1,1452)	1:67:A:GLU:HG3	1:68:A:LYS:H	15	1.71
(1,1448)	1:65:A:LYS:HA	1:67:A:GLU:H	6	1.71
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB2	1	1.71
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB3	1	1.71
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB2	7	1.71
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB3	7	1.71
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD2	7	1.71
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD3	7	1.71
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD21	10	1.71
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD22	10	1.71
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD23	10	1.71
(1,1425)	1:48:A:ASN:HA	1:51:A:THR:H	5	1.71
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG21	15	1.71
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG22	15	1.71
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG23	15	1.71
(1,1352)	1:35:A:TRP:HE3	1:32:A:VAL:HA	8	1.71
(1,1352)	1:35:A:TRP:HE3	1:32:A:VAL:HA	14	1.71
(1,1352)	1:35:A:TRP:HE3	1:32:A:VAL:HA	15	1.71
(1,1322)	1:26:A:PRO:HA	1:30:A:LYS:HG2	7	1.71
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG2	11	1.71
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG3	11	1.71
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG2	12	1.71
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG3	12	1.71
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD11	1	1.71
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD12	1	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD13	1	1.71
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD11	1	1.71
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD12	1	1.71
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD13	1	1.71
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD11	12	1.71
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD12	12	1.71
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD13	12	1.71
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD11	12	1.71
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD12	12	1.71
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD13	12	1.71
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD11	14	1.71
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD12	14	1.71
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD13	14	1.71
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD11	14	1.71
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD12	14	1.71
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD13	14	1.71
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD21	15	1.7
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD22	15	1.7
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD23	15	1.7
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG11	12	1.7
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG12	12	1.7
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG13	12	1.7
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB2	9	1.7
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB3	9	1.7
(1,2162)	1:93:A:LYS:H	1:95:A:SER:H	10	1.7
(1,2162)	1:93:A:LYS:H	1:95:A:SER:H	11	1.7
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD11	1	1.7
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD12	1	1.7
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD13	1	1.7
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD21	1	1.7
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD22	1	1.7
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD23	1	1.7
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD11	1	1.7
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD12	1	1.7
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD13	1	1.7
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD21	1	1.7
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD22	1	1.7
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD23	1	1.7
(1,2010)	1:75:A:THR:H	1:78:A:LEU:H	11	1.7
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD21	11	1.7
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD22	11	1.7
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD23	11	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD21	15	1.7
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD22	15	1.7
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD23	15	1.7
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG21	1	1.7
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG22	1	1.7
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG23	1	1.7
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG21	5	1.7
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG22	5	1.7
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG23	5	1.7
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG21	10	1.7
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG22	10	1.7
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG23	10	1.7
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG21	15	1.7
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG22	15	1.7
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG23	15	1.7
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD2	6	1.7
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD3	6	1.7
(1,1922)	1:65:A:LYS:H	1:63:A:LEU:HA	5	1.7
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG11	4	1.7
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG12	4	1.7
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG13	4	1.7
(1,1900)	1:63:A:LEU:HG	1:62:A:SER:HB3	7	1.7
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD11	13	1.7
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD12	13	1.7
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD13	13	1.7
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD1	13	1.7
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD2	13	1.7
(1,1866)	1:56:A:LEU:HB2	1:60:A:GLN:HE21	11	1.7
(1,1865)	1:55:A:LYS:HG2	1:56:A:LEU:H	3	1.7
(1,1865)	1:55:A:LYS:HG3	1:56:A:LEU:H	3	1.7
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG11	5	1.7
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG12	5	1.7
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG13	5	1.7
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB1	1	1.7
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB2	1	1.7
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB3	1	1.7
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB1	4	1.7
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB2	4	1.7
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB3	4	1.7
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB1	13	1.7
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB2	13	1.7
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB3	13	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1780)	1:40:A:ARG:H	1:42:A:LEU:H	1	1.7
(1,1687)	1:18:A:VAL:HB	1:19:A:VAL:H	1	1.7
(1,1687)	1:18:A:VAL:HB	1:19:A:VAL:H	3	1.7
(1,1687)	1:18:A:VAL:HB	1:19:A:VAL:H	4	1.7
(1,1687)	1:18:A:VAL:HB	1:19:A:VAL:H	7	1.7
(1,1687)	1:18:A:VAL:HB	1:19:A:VAL:H	8	1.7
(1,1687)	1:18:A:VAL:HB	1:19:A:VAL:H	10	1.7
(1,1687)	1:18:A:VAL:HB	1:19:A:VAL:H	11	1.7
(1,1687)	1:18:A:VAL:HB	1:19:A:VAL:H	14	1.7
(1,1687)	1:18:A:VAL:HB	1:19:A:VAL:H	15	1.7
(1,1676)	1:16:A:GLY:H	1:19:A:VAL:H	13	1.7
(1,1666)	1:15:A:ILE:HG12	1:16:A:GLY:H	9	1.7
(1,1647)	1:13:A:PHE:HZ	1:17:A:LEU:HG	9	1.7
(1,1631)	1:12:A:VAL:HB	1:11:A:LEU:H	13	1.7
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG21	7	1.7
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG22	7	1.7
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG23	7	1.7
(1,1620)	1:9:A:LEU:HA	1:12:A:VAL:H	7	1.7
(1,1604)	1:8:A:GLU:HB2	1:4:A:ILE:HA	6	1.7
(1,1604)	1:8:A:GLU:HB2	1:4:A:ILE:HA	8	1.7
(1,1539)	1:102:A:LEU:HB2	1:101:A:PRO:HA	1	1.7
(1,1539)	1:102:A:LEU:HB2	1:101:A:PRO:HA	14	1.7
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB1	8	1.7
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB2	8	1.7
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB3	8	1.7
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD11	2	1.7
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD12	2	1.7
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD13	2	1.7
(1,1468)	1:73:A:ASN:H	1:70:A:SER:HA	11	1.7
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD11	13	1.7
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD12	13	1.7
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD13	13	1.7
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD21	13	1.7
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD22	13	1.7
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD23	13	1.7
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG2	8	1.7
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG3	8	1.7
(1,1444)	1:63:A:LEU:HA	1:66:A:VAL:HB	11	1.7
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD21	6	1.7
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD22	6	1.7
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD23	6	1.7
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB2	6	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB3	6	1.7
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG21	2	1.7
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG22	2	1.7
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG23	2	1.7
(1,1352)	1:35:A:TRP:HE3	1:32:A:VAL:HA	12	1.7
(1,1352)	1:35:A:TRP:HE3	1:32:A:VAL:HA	13	1.7
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG2	9	1.7
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG3	9	1.7
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG2	15	1.7
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG3	15	1.7
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD21	13	1.7
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD22	13	1.7
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD23	13	1.7
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG21	13	1.7
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG22	13	1.7
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG23	13	1.7
(1,1281)	1:15:A:ILE:HA	1:11:A:LEU:HG	6	1.7
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD11	10	1.7
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD12	10	1.7
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD13	10	1.7
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD11	10	1.7
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD12	10	1.7
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD13	10	1.7
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD21	13	1.69
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD22	13	1.69
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD23	13	1.69
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG11	14	1.69
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG12	14	1.69
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG13	14	1.69
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB1	1	1.69
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB2	1	1.69
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB3	1	1.69
(1,2162)	1:93:A:LYS:H	1:95:A:SER:H	2	1.69
(1,2162)	1:93:A:LYS:H	1:95:A:SER:H	5	1.69
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD11	7	1.69
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD12	7	1.69
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD13	7	1.69
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD21	7	1.69
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD22	7	1.69
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD23	7	1.69
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD11	2	1.69
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD12	2	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD13	2	1.69
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD21	2	1.69
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD22	2	1.69
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD23	2	1.69
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD11	2	1.69
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD12	2	1.69
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD13	2	1.69
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD21	2	1.69
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD22	2	1.69
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD23	2	1.69
(1,2030)	1:77:A:GLU:HA	1:79:A:LYS:H	8	1.69
(1,2020)	1:76:A:PRO:HA	1:79:A:LYS:HB3	15	1.69
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD21	2	1.69
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD22	2	1.69
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD23	2	1.69
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG21	11	1.69
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG22	11	1.69
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG23	11	1.69
(1,1959)	1:69:A:ALA:H	1:66:A:VAL:H	8	1.69
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB1	6	1.69
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB2	6	1.69
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB3	6	1.69
(1,1912)	1:64:A:LYS:H	1:63:A:LEU:HG	7	1.69
(1,1900)	1:63:A:LEU:HG	1:62:A:SER:HB3	5	1.69
(1,1899)	1:63:A:LEU:HB2	1:62:A:SER:HB2	15	1.69
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD11	3	1.69
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD12	3	1.69
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD13	3	1.69
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD11	14	1.69
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD12	14	1.69
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD13	14	1.69
(1,1865)	1:55:A:LYS:HG2	1:56:A:LEU:H	6	1.69
(1,1865)	1:55:A:LYS:HG3	1:56:A:LEU:H	6	1.69
(1,1865)	1:55:A:LYS:HG2	1:56:A:LEU:H	15	1.69
(1,1865)	1:55:A:LYS:HG3	1:56:A:LEU:H	15	1.69
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG2	2	1.69
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG3	2	1.69
(1,1806)	1:45:A:THR:H	1:44:A:THR:HB	4	1.69
(1,1747)	1:32:A:VAL:HA	1:35:A:TRP:H	4	1.69
(1,1747)	1:32:A:VAL:HA	1:35:A:TRP:H	5	1.69
(1,1747)	1:32:A:VAL:HA	1:35:A:TRP:H	8	1.69
(1,1747)	1:32:A:VAL:HA	1:35:A:TRP:H	13	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1747)	1:32:A:VAL:HA	1:35:A:TRP:H	15	1.69
(1,1713)	1:25:A:LEU:HA	1:24:A:ARG:H	12	1.69
(1,1687)	1:18:A:VAL:HB	1:19:A:VAL:H	5	1.69
(1,1687)	1:18:A:VAL:HB	1:19:A:VAL:H	6	1.69
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG21	7	1.69
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG22	7	1.69
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG23	7	1.69
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG21	8	1.69
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG22	8	1.69
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG23	8	1.69
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG21	13	1.69
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG22	13	1.69
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG23	13	1.69
(1,1666)	1:15:A:ILE:HG12	1:16:A:GLY:H	4	1.69
(1,1666)	1:15:A:ILE:HG12	1:16:A:GLY:H	13	1.69
(1,1647)	1:13:A:PHE:HZ	1:17:A:LEU:HG	10	1.69
(1,1631)	1:12:A:VAL:HB	1:11:A:LEU:H	9	1.69
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG21	3	1.69
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG22	3	1.69
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG23	3	1.69
(1,1620)	1:9:A:LEU:HA	1:12:A:VAL:H	3	1.69
(1,1620)	1:9:A:LEU:HA	1:12:A:VAL:H	8	1.69
(1,1620)	1:9:A:LEU:HA	1:12:A:VAL:H	15	1.69
(1,1604)	1:8:A:GLU:HB2	1:4:A:ILE:HA	3	1.69
(1,1595)	1:6:A:PHE:HB2	1:7:A:SER:H	5	1.69
(1,1539)	1:102:A:LEU:HB2	1:101:A:PRO:HA	11	1.69
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD2	11	1.69
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD3	11	1.69
(1,1452)	1:67:A:GLU:HG2	1:68:A:LYS:H	13	1.69
(1,1452)	1:67:A:GLU:HG3	1:68:A:LYS:H	13	1.69
(1,1444)	1:63:A:LEU:HA	1:66:A:VAL:HB	13	1.69
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD21	15	1.69
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD22	15	1.69
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD23	15	1.69
(1,1402)	1:45:A:THR:H	1:41:A:SER:HA	10	1.69
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB2	7	1.69
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB3	7	1.69
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB2	13	1.69
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB3	13	1.69
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB2	2	1.69
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB3	2	1.69
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB2	11	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB3	11	1.69
(1,1322)	1:26:A:PRO:HA	1:30:A:LYS:HG2	15	1.69
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG2	1	1.69
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG3	1	1.69
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG2	3	1.69
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG3	3	1.69
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG2	4	1.69
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG3	4	1.69
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG2	5	1.69
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG3	5	1.69
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG2	7	1.69
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG3	7	1.69
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG2	8	1.69
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG3	8	1.69
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG2	10	1.69
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG3	10	1.69
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD11	2	1.69
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD12	2	1.69
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD13	2	1.69
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD11	2	1.69
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD12	2	1.69
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD13	2	1.69
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD21	5	1.69
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD22	5	1.69
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD23	5	1.69
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD21	5	1.69
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD22	5	1.69
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD23	5	1.69
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB1	11	1.68
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB2	11	1.68
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB3	11	1.68
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB1	13	1.68
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB2	13	1.68
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB3	13	1.68
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB1	15	1.68
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB2	15	1.68
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB3	15	1.68
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE1	6	1.68
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE2	6	1.68
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE1	8	1.68
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE2	8	1.68
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB2	4	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB3	4	1.68
(1,2161)	1:93:A:LYS:HA	1:95:A:SER:H	9	1.68
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB1	15	1.68
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB2	15	1.68
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB3	15	1.68
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB1	12	1.68
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB2	12	1.68
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB3	12	1.68
(1,1922)	1:65:A:LYS:H	1:63:A:LEU:HA	8	1.68
(1,1900)	1:63:A:LEU:HG	1:62:A:SER:HB3	8	1.68
(1,1892)	1:62:A:SER:HA	1:63:A:LEU:HB2	7	1.68
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD11	15	1.68
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD12	15	1.68
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD13	15	1.68
(1,1868)	1:57:A:GLN:H	1:56:A:LEU:HG	1	1.68
(1,1868)	1:57:A:GLN:H	1:56:A:LEU:HG	9	1.68
(1,1865)	1:55:A:LYS:HG2	1:56:A:LEU:H	1	1.68
(1,1865)	1:55:A:LYS:HG3	1:56:A:LEU:H	1	1.68
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG2	8	1.68
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG3	8	1.68
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG11	1	1.68
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG12	1	1.68
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG13	1	1.68
(1,1804)	1:45:A:THR:H	1:42:A:LEU:H	5	1.68
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB1	6	1.68
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB2	6	1.68
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB3	6	1.68
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB1	6	1.68
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB2	6	1.68
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB3	6	1.68
(1,1747)	1:32:A:VAL:HA	1:35:A:TRP:H	12	1.68
(1,1747)	1:32:A:VAL:HA	1:35:A:TRP:H	14	1.68
(1,1729)	1:29:A:VAL:H	1:27:A:VAL:HA	12	1.68
(1,1687)	1:18:A:VAL:HB	1:19:A:VAL:H	9	1.68
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG21	3	1.68
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG22	3	1.68
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG23	3	1.68
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG21	15	1.68
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG22	15	1.68
(1,1677)	1:17:A:LEU:H	1:14:A:ILE:HG23	15	1.68
(1,1676)	1:16:A:GLY:H	1:19:A:VAL:H	12	1.68
(1,1666)	1:15:A:ILE:HG12	1:16:A:GLY:H	6	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1666)	1:15:A:ILE:HG12	1:16:A:GLY:H	10	1.68
(1,1666)	1:15:A:ILE:HG12	1:16:A:GLY:H	12	1.68
(1,1666)	1:15:A:ILE:HG12	1:16:A:GLY:H	14	1.68
(1,1631)	1:12:A:VAL:HB	1:11:A:LEU:H	14	1.68
(1,1620)	1:9:A:LEU:HA	1:12:A:VAL:H	9	1.68
(1,1620)	1:9:A:LEU:HA	1:12:A:VAL:H	14	1.68
(1,1604)	1:8:A:GLU:HB2	1:4:A:ILE:HA	11	1.68
(1,1567)	1:3:A:ASP:HB2	1:4:A:ILE:HB	3	1.68
(1,1567)	1:3:A:ASP:HB2	1:4:A:ILE:HB	9	1.68
(1,1457)	1:69:A:ALA:H	1:70:A:SER:HA	13	1.68
(1,1444)	1:63:A:LEU:HA	1:66:A:VAL:HB	9	1.68
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG2	2	1.68
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG3	2	1.68
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG2	15	1.68
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG3	15	1.68
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD21	14	1.68
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD22	14	1.68
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD23	14	1.68
(1,1432)	1:56:A:LEU:HB2	1:60:A:GLN:HB2	1	1.68
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD11	13	1.68
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD12	13	1.68
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD13	13	1.68
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD21	13	1.68
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD22	13	1.68
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD23	13	1.68
(1,1408)	1:46:A:VAL:HA	1:49:A:GLU:H	15	1.68
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB2	4	1.68
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB3	4	1.68
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB2	6	1.68
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB3	6	1.68
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB2	9	1.68
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB3	9	1.68
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB2	13	1.68
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB3	13	1.68
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB2	14	1.68
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB3	14	1.68
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG2	6	1.68
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG3	6	1.68
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG2	14	1.68
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG3	14	1.68
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD21	2	1.68
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD22	2	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD23	2	1.68
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD11	3	1.68
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD12	3	1.68
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD13	3	1.68
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD11	7	1.68
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD12	7	1.68
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD13	7	1.68
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD11	7	1.68
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD12	7	1.68
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD13	7	1.68
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD11	7	1.68
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD12	7	1.68
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD13	7	1.68
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD21	4	1.68
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD22	4	1.68
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD23	4	1.68
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD21	4	1.68
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD22	4	1.68
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD23	4	1.68
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB1	4	1.67
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB2	4	1.67
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB3	4	1.67
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD1	8	1.67
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD2	8	1.67
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG11	13	1.67
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG12	13	1.67
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG13	13	1.67
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE1	5	1.67
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE2	5	1.67
(1,2162)	1:93:A:LYS:H	1:95:A:SER:H	4	1.67
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE1	10	1.67
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE2	10	1.67
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE3	10	1.67
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB1	6	1.67
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB2	6	1.67
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB3	6	1.67
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB1	1	1.67
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB2	1	1.67
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB3	1	1.67
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB1	2	1.67
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB2	2	1.67
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB3	2	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB1	5	1.67
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB2	5	1.67
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB3	5	1.67
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB1	10	1.67
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB2	10	1.67
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB3	10	1.67
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB1	11	1.67
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB2	11	1.67
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB3	11	1.67
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB1	14	1.67
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB2	14	1.67
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB3	14	1.67
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB1	15	1.67
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB2	15	1.67
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB3	15	1.67
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG21	13	1.67
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG22	13	1.67
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG23	13	1.67
(1,2010)	1:75:A:THR:H	1:78:A:LEU:H	2	1.67
(1,1997)	1:73:A:ASN:HB3	1:74:A:LEU:H	1	1.67
(1,1997)	1:73:A:ASN:HB2	1:74:A:LEU:H	1	1.67
(1,1997)	1:73:A:ASN:HB3	1:74:A:LEU:H	2	1.67
(1,1997)	1:73:A:ASN:HB2	1:74:A:LEU:H	2	1.67
(1,1997)	1:73:A:ASN:HB3	1:74:A:LEU:H	3	1.67
(1,1997)	1:73:A:ASN:HB2	1:74:A:LEU:H	3	1.67
(1,1997)	1:73:A:ASN:HB3	1:74:A:LEU:H	4	1.67
(1,1997)	1:73:A:ASN:HB2	1:74:A:LEU:H	4	1.67
(1,1997)	1:73:A:ASN:HB3	1:74:A:LEU:H	6	1.67
(1,1997)	1:73:A:ASN:HB2	1:74:A:LEU:H	6	1.67
(1,1997)	1:73:A:ASN:HB3	1:74:A:LEU:H	8	1.67
(1,1997)	1:73:A:ASN:HB2	1:74:A:LEU:H	8	1.67
(1,1997)	1:73:A:ASN:HB3	1:74:A:LEU:H	9	1.67
(1,1997)	1:73:A:ASN:HB2	1:74:A:LEU:H	9	1.67
(1,1997)	1:73:A:ASN:HB3	1:74:A:LEU:H	10	1.67
(1,1997)	1:73:A:ASN:HB2	1:74:A:LEU:H	10	1.67
(1,1997)	1:73:A:ASN:HB3	1:74:A:LEU:H	11	1.67
(1,1997)	1:73:A:ASN:HB2	1:74:A:LEU:H	11	1.67
(1,1997)	1:73:A:ASN:HB3	1:74:A:LEU:H	12	1.67
(1,1997)	1:73:A:ASN:HB2	1:74:A:LEU:H	12	1.67
(1,1997)	1:73:A:ASN:HB3	1:74:A:LEU:H	13	1.67
(1,1997)	1:73:A:ASN:HB2	1:74:A:LEU:H	13	1.67
(1,1997)	1:73:A:ASN:HB3	1:74:A:LEU:H	14	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1997)	1:73:A:ASN:HB2	1:74:A:LEU:H	14	1.67
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG21	6	1.67
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG22	6	1.67
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG23	6	1.67
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG21	8	1.67
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG22	8	1.67
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG23	8	1.67
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD11	11	1.67
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD12	11	1.67
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD13	11	1.67
(1,1937)	1:66:A:VAL:HA	1:69:A:ALA:HA	6	1.67
(1,1922)	1:65:A:LYS:H	1:63:A:LEU:HA	10	1.67
(1,1922)	1:65:A:LYS:H	1:63:A:LEU:HA	15	1.67
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG11	5	1.67
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG12	5	1.67
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG13	5	1.67
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD11	1	1.67
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD12	1	1.67
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD13	1	1.67
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD11	4	1.67
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD12	4	1.67
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD13	4	1.67
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD11	7	1.67
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD12	7	1.67
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD13	7	1.67
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD1	10	1.67
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD2	10	1.67
(1,1868)	1:57:A:GLN:H	1:56:A:LEU:HG	13	1.67
(1,1865)	1:55:A:LYS:HG2	1:56:A:LEU:H	9	1.67
(1,1865)	1:55:A:LYS:HG3	1:56:A:LEU:H	9	1.67
(1,1865)	1:55:A:LYS:HG2	1:56:A:LEU:H	13	1.67
(1,1865)	1:55:A:LYS:HG3	1:56:A:LEU:H	13	1.67
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG21	14	1.67
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG22	14	1.67
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG23	14	1.67
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG11	11	1.67
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG12	11	1.67
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG13	11	1.67
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG21	2	1.67
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG22	2	1.67
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG23	2	1.67
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG21	10	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG22	10	1.67
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG23	10	1.67
(1,1806)	1:45:A:THR:H	1:44:A:THR:HB	6	1.67
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG21	15	1.67
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG22	15	1.67
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG23	15	1.67
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG2	13	1.67
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG3	13	1.67
(1,1676)	1:16:A:GLY:H	1:19:A:VAL:H	2	1.67
(1,1666)	1:15:A:ILE:HG12	1:16:A:GLY:H	1	1.67
(1,1666)	1:15:A:ILE:HG12	1:16:A:GLY:H	5	1.67
(1,1631)	1:12:A:VAL:HB	1:11:A:LEU:H	4	1.67
(1,1620)	1:9:A:LEU:HA	1:12:A:VAL:H	4	1.67
(1,1595)	1:6:A:PHE:HB2	1:7:A:SER:H	6	1.67
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB1	7	1.67
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB2	7	1.67
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB3	7	1.67
(1,1468)	1:73:A:ASN:H	1:70:A:SER:HA	5	1.67
(1,1468)	1:73:A:ASN:H	1:70:A:SER:HA	7	1.67
(1,1457)	1:69:A:ALA:H	1:70:A:SER:HA	11	1.67
(1,1452)	1:67:A:GLU:HG2	1:68:A:LYS:H	9	1.67
(1,1452)	1:67:A:GLU:HG3	1:68:A:LYS:H	9	1.67
(1,1444)	1:63:A:LEU:HA	1:66:A:VAL:HB	2	1.67
(1,1444)	1:63:A:LEU:HA	1:66:A:VAL:HB	3	1.67
(1,1444)	1:63:A:LEU:HA	1:66:A:VAL:HB	12	1.67
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG2	12	1.67
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG3	12	1.67
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD11	8	1.67
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD12	8	1.67
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD13	8	1.67
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD21	8	1.67
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD22	8	1.67
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD23	8	1.67
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD11	9	1.67
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD12	9	1.67
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD13	9	1.67
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD21	9	1.67
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD22	9	1.67
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD23	9	1.67
(1,1425)	1:48:A:ASN:HA	1:51:A:THR:H	6	1.67
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG21	4	1.67
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG22	4	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG23	4	1.67
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG21	4	1.67
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG22	4	1.67
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG23	4	1.67
(1,1409)	1:46:A:VAL:H	1:44:A:THR:HB	15	1.67
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG2	7	1.67
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG3	7	1.67
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB2	1	1.67
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB3	1	1.67
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG21	9	1.67
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG22	9	1.67
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG23	9	1.67
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB2	15	1.67
(1,1384)	1:41:A:SER:HA	1:42:A:LEU:HB3	15	1.67
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE1	9	1.67
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE2	9	1.67
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE1	9	1.67
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE2	9	1.67
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE1	9	1.67
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE2	9	1.67
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD11	15	1.67
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD12	15	1.67
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD13	15	1.67
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD11	15	1.67
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD12	15	1.67
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD13	15	1.67
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD11	2	1.67
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD12	2	1.67
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD13	2	1.67
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD21	2	1.67
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD22	2	1.67
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD23	2	1.67
(1,2227)	1:101:A:PRO:HG2	1:100:A:ASP:HA	8	1.66
(1,2227)	1:101:A:PRO:HG3	1:100:A:ASP:HA	8	1.66
(1,2227)	1:101:A:PRO:HG2	1:100:A:ASP:HA	10	1.66
(1,2227)	1:101:A:PRO:HG3	1:100:A:ASP:HA	10	1.66
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD1	6	1.66
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD2	6	1.66
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG11	15	1.66
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG12	15	1.66
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG13	15	1.66
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB1	12	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB2	12	1.66
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB3	12	1.66
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB2	2	1.66
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB3	2	1.66
(1,2138)	1:89:A:ALA:H	1:91:A:SER:H	9	1.66
(1,2127)	1:87:A:GLN:HE21	1:83:A:ASP:HB3	11	1.66
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD11	7	1.66
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD12	7	1.66
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD13	7	1.66
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD21	7	1.66
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD22	7	1.66
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD23	7	1.66
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB1	4	1.66
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB2	4	1.66
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB3	4	1.66
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB1	8	1.66
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB2	8	1.66
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB3	8	1.66
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB1	13	1.66
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB2	13	1.66
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB3	13	1.66
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB1	3	1.66
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB2	3	1.66
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB3	3	1.66
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB1	9	1.66
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB2	9	1.66
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB3	9	1.66
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB1	13	1.66
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB2	13	1.66
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB3	13	1.66
(1,2026)	1:77:A:GLU:HG2	1:78:A:LEU:H	8	1.66
(1,1982)	1:73:A:ASN:HD21	1:69:A:ALA:HA	5	1.66
(1,1982)	1:73:A:ASN:HD22	1:69:A:ALA:HA	5	1.66
(1,1982)	1:73:A:ASN:HD21	1:69:A:ALA:HA	7	1.66
(1,1982)	1:73:A:ASN:HD22	1:69:A:ALA:HA	7	1.66
(1,1966)	1:70:A:SER:HA	1:72:A:THR:H	13	1.66
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD11	6	1.66
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD12	6	1.66
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD13	6	1.66
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD11	10	1.66
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD12	10	1.66
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD13	10	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG2	12	1.66
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG3	12	1.66
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD11	5	1.66
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD12	5	1.66
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD13	5	1.66
(1,1836)	1:48:A:ASN:HA	1:52:A:GLN:HE21	6	1.66
(1,1806)	1:45:A:THR:H	1:44:A:THR:HB	7	1.66
(1,1806)	1:45:A:THR:H	1:44:A:THR:HB	12	1.66
(1,1804)	1:45:A:THR:H	1:42:A:LEU:H	9	1.66
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB1	7	1.66
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB2	7	1.66
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB3	7	1.66
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB1	1	1.66
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB2	1	1.66
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB3	1	1.66
(1,1715)	1:25:A:LEU:HA	1:28:A:ALA:H	2	1.66
(1,1676)	1:16:A:GLY:H	1:19:A:VAL:H	3	1.66
(1,1676)	1:16:A:GLY:H	1:19:A:VAL:H	4	1.66
(1,1676)	1:16:A:GLY:H	1:19:A:VAL:H	7	1.66
(1,1676)	1:16:A:GLY:H	1:19:A:VAL:H	8	1.66
(1,1676)	1:16:A:GLY:H	1:19:A:VAL:H	10	1.66
(1,1676)	1:16:A:GLY:H	1:19:A:VAL:H	14	1.66
(1,1676)	1:16:A:GLY:H	1:19:A:VAL:H	15	1.66
(1,1631)	1:12:A:VAL:HB	1:11:A:LEU:H	12	1.66
(1,1631)	1:12:A:VAL:HB	1:11:A:LEU:H	15	1.66
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG21	13	1.66
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG22	13	1.66
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG23	13	1.66
(1,1613)	1:8:A:GLU:HB2	1:7:A:SER:H	15	1.66
(1,1567)	1:3:A:ASP:HB2	1:4:A:ILE:HB	5	1.66
(1,1567)	1:3:A:ASP:HB2	1:4:A:ILE:HB	8	1.66
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE1	7	1.66
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE2	7	1.66
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE3	7	1.66
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB1	10	1.66
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB2	10	1.66
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB3	10	1.66
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB1	11	1.66
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB2	11	1.66
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB3	11	1.66
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD11	11	1.66
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD12	11	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD13	11	1.66
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD2	5	1.66
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD3	5	1.66
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD11	1	1.66
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD12	1	1.66
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD13	1	1.66
(1,1457)	1:69:A:ALA:H	1:70:A:SER:HA	1	1.66
(1,1457)	1:69:A:ALA:H	1:70:A:SER:HA	2	1.66
(1,1457)	1:69:A:ALA:H	1:70:A:SER:HA	12	1.66
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD11	1	1.66
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD12	1	1.66
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD13	1	1.66
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD21	1	1.66
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD22	1	1.66
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD23	1	1.66
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG2	6	1.66
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG3	6	1.66
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG21	8	1.66
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG22	8	1.66
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG23	8	1.66
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG21	12	1.66
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG22	12	1.66
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG23	12	1.66
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD11	8	1.66
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD12	8	1.66
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD13	8	1.66
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD11	8	1.66
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD12	8	1.66
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD13	8	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD11	4	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD12	4	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD13	4	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD21	4	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD22	4	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD23	4	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD11	7	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD12	7	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD13	7	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD21	7	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD22	7	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD23	7	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD11	9	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD12	9	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD13	9	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD21	9	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD22	9	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD23	9	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD11	10	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD12	10	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD13	10	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD21	10	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD22	10	1.66
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD23	10	1.66
(1,2237)	1:102:A:LEU:H	1:103:A:GLU:HA	6	1.65
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB2	1	1.65
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB3	1	1.65
(1,2218)	1:99:A:ASN:H	1:97:A:VAL:H	14	1.65
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG11	1	1.65
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG12	1	1.65
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG13	1	1.65
(1,2211)	1:97:A:VAL:H	1:100:A:ASP:H	8	1.65
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB1	14	1.65
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB2	14	1.65
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB3	14	1.65
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB1	14	1.65
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB2	14	1.65
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB3	14	1.65
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB1	14	1.65
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB2	14	1.65
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB3	14	1.65
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE1	2	1.65
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE2	2	1.65
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB2	5	1.65
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB3	5	1.65
(1,2162)	1:93:A:LYS:H	1:95:A:SER:H	1	1.65
(1,2162)	1:93:A:LYS:H	1:95:A:SER:H	6	1.65
(1,2162)	1:93:A:LYS:H	1:95:A:SER:H	7	1.65
(1,2138)	1:89:A:ALA:H	1:91:A:SER:H	2	1.65
(1,2138)	1:89:A:ALA:H	1:91:A:SER:H	4	1.65
(1,2138)	1:89:A:ALA:H	1:91:A:SER:H	10	1.65
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB1	1	1.65
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB2	1	1.65
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB3	1	1.65
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB1	9	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB2	9	1.65
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB3	9	1.65
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB1	4	1.65
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB2	4	1.65
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB3	4	1.65
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB1	6	1.65
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB2	6	1.65
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB3	6	1.65
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB1	8	1.65
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB2	8	1.65
(1,2080)	1:83:A:ASP:H	1:80:A:ALA:HB3	8	1.65
(1,2030)	1:77:A:GLU:HA	1:79:A:LYS:H	13	1.65
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG21	2	1.65
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG22	2	1.65
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG23	2	1.65
(1,1997)	1:73:A:ASN:HB3	1:74:A:LEU:H	5	1.65
(1,1997)	1:73:A:ASN:HB2	1:74:A:LEU:H	5	1.65
(1,1997)	1:73:A:ASN:HB3	1:74:A:LEU:H	15	1.65
(1,1997)	1:73:A:ASN:HB2	1:74:A:LEU:H	15	1.65
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB1	6	1.65
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB2	6	1.65
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB3	6	1.65
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB1	8	1.65
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB2	8	1.65
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB3	8	1.65
(1,1971)	1:71:A:LEU:H	1:67:A:GLU:HB2	8	1.65
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB1	10	1.65
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB2	10	1.65
(1,1934)	1:65:A:LYS:HA	1:69:A:ALA:HB3	10	1.65
(1,1868)	1:57:A:GLN:H	1:56:A:LEU:HG	8	1.65
(1,1865)	1:55:A:LYS:HG2	1:56:A:LEU:H	8	1.65
(1,1865)	1:55:A:LYS:HG3	1:56:A:LEU:H	8	1.65
(1,1865)	1:55:A:LYS:HG2	1:56:A:LEU:H	14	1.65
(1,1865)	1:55:A:LYS:HG3	1:56:A:LEU:H	14	1.65
(1,1806)	1:45:A:THR:H	1:44:A:THR:HB	1	1.65
(1,1806)	1:45:A:THR:H	1:44:A:THR:HB	13	1.65
(1,1804)	1:45:A:THR:H	1:42:A:LEU:H	8	1.65
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB1	3	1.65
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB2	3	1.65
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB3	3	1.65
(1,1782)	1:40:A:ARG:HG3	1:44:A:THR:HB	13	1.65
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG2	6	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG3	6	1.65
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG2	14	1.65
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG3	14	1.65
(1,1715)	1:25:A:LEU:HA	1:28:A:ALA:H	12	1.65
(1,1689)	1:20:A:LEU:H	1:18:A:VAL:HA	4	1.65
(1,1689)	1:20:A:LEU:H	1:18:A:VAL:HA	5	1.65
(1,1689)	1:20:A:LEU:H	1:18:A:VAL:HA	10	1.65
(1,1676)	1:16:A:GLY:H	1:19:A:VAL:H	1	1.65
(1,1676)	1:16:A:GLY:H	1:19:A:VAL:H	5	1.65
(1,1631)	1:12:A:VAL:HB	1:11:A:LEU:H	3	1.65
(1,1631)	1:12:A:VAL:HB	1:11:A:LEU:H	8	1.65
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG21	2	1.65
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG22	2	1.65
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG23	2	1.65
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG21	8	1.65
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG22	8	1.65
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG23	8	1.65
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG21	10	1.65
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG22	10	1.65
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG23	10	1.65
(1,1569)	1:3:A:ASP:H	1:5:A:GLY:H	7	1.65
(1,1567)	1:3:A:ASP:HB2	1:4:A:ILE:HB	1	1.65
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB1	1	1.65
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB2	1	1.65
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB3	1	1.65
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB1	14	1.65
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB2	14	1.65
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB3	14	1.65
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD2	15	1.65
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD3	15	1.65
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD11	2	1.65
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD12	2	1.65
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD13	2	1.65
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD11	10	1.65
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD12	10	1.65
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD13	10	1.65
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD11	11	1.65
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD12	11	1.65
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD13	11	1.65
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD11	12	1.65
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD12	12	1.65
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD13	12	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1457)	1:69:A:ALA:H	1:70:A:SER:HA	9	1.65
(1,1457)	1:69:A:ALA:H	1:70:A:SER:HA	10	1.65
(1,1444)	1:63:A:LEU:HA	1:66:A:VAL:HB	4	1.65
(1,1444)	1:63:A:LEU:HA	1:66:A:VAL:HB	14	1.65
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB2	10	1.65
(1,1443)	1:63:A:LEU:H	1:60:A:GLN:HB3	10	1.65
(1,1432)	1:56:A:LEU:HB2	1:60:A:GLN:HB2	5	1.65
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG21	1	1.65
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG22	1	1.65
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG23	1	1.65
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG21	1	1.65
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG22	1	1.65
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG23	1	1.65
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB1	4	1.65
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB2	4	1.65
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB3	4	1.65
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD11	1	1.65
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD12	1	1.65
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD13	1	1.65
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD21	1	1.65
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD22	1	1.65
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD23	1	1.65
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD11	14	1.65
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD12	14	1.65
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD13	14	1.65
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD21	14	1.65
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD22	14	1.65
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD23	14	1.65
(1,2228)	1:101:A:PRO:HD2	1:100:A:ASP:H	4	1.64
(1,2228)	1:101:A:PRO:HD3	1:100:A:ASP:H	4	1.64
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB1	10	1.64
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB2	10	1.64
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB3	10	1.64
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB1	10	1.64
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB2	10	1.64
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB3	10	1.64
(1,2211)	1:97:A:VAL:H	1:100:A:ASP:H	5	1.64
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE1	10	1.64
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE2	10	1.64
(1,2201)	1:97:A:VAL:H	1:94:A:ARG:HA	11	1.64
(1,2164)	1:93:A:LYS:HG3	1:97:A:VAL:HB	4	1.64
(1,2162)	1:93:A:LYS:H	1:95:A:SER:H	8	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2138)	1:89:A:ALA:H	1:91:A:SER:H	11	1.64
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD11	13	1.64
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD12	13	1.64
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD13	13	1.64
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD21	13	1.64
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD22	13	1.64
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD23	13	1.64
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB1	3	1.64
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB2	3	1.64
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB3	3	1.64
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB1	10	1.64
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB2	10	1.64
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB3	10	1.64
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB1	12	1.64
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB2	12	1.64
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB3	12	1.64
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG21	12	1.64
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG22	12	1.64
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG23	12	1.64
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG21	15	1.64
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG22	15	1.64
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG23	15	1.64
(1,1997)	1:73:A:ASN:HB3	1:74:A:LEU:H	7	1.64
(1,1997)	1:73:A:ASN:HB2	1:74:A:LEU:H	7	1.64
(1,1885)	1:61:A:ASP:H	1:62:A:SER:HB3	10	1.64
(1,1883)	1:61:A:ASP:HB2	1:62:A:SER:HA	3	1.64
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG2	5	1.64
(1,1880)	1:61:A:ASP:H	1:58:A:GLU:HG3	5	1.64
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD11	12	1.64
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD12	12	1.64
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD13	12	1.64
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD11	12	1.64
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD12	12	1.64
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD13	12	1.64
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD11	14	1.64
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD12	14	1.64
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD13	14	1.64
(1,1824)	1:46:A:VAL:H	1:48:A:ASN:H	15	1.64
(1,1806)	1:45:A:THR:H	1:44:A:THR:HB	14	1.64
(1,1782)	1:40:A:ARG:HG3	1:44:A:THR:HB	12	1.64
(1,1715)	1:25:A:LEU:HA	1:28:A:ALA:H	1	1.64
(1,1689)	1:20:A:LEU:H	1:18:A:VAL:HA	1	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1689)	1:20:A:LEU:H	1:18:A:VAL:HA	6	1.64
(1,1689)	1:20:A:LEU:H	1:18:A:VAL:HA	8	1.64
(1,1689)	1:20:A:LEU:H	1:18:A:VAL:HA	14	1.64
(1,1676)	1:16:A:GLY:H	1:19:A:VAL:H	6	1.64
(1,1620)	1:9:A:LEU:HA	1:12:A:VAL:H	5	1.64
(1,1620)	1:9:A:LEU:HA	1:12:A:VAL:H	6	1.64
(1,1604)	1:8:A:GLU:HB2	1:4:A:ILE:HA	5	1.64
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD11	13	1.64
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD12	13	1.64
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD13	13	1.64
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB1	2	1.64
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB2	2	1.64
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB3	2	1.64
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB2	7	1.64
(1,1489)	1:81:A:SER:H	1:78:A:LEU:HB3	7	1.64
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD2	2	1.64
(1,1483)	1:76:A:PRO:HA	1:79:A:LYS:HD3	2	1.64
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD11	5	1.64
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD12	5	1.64
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD13	5	1.64
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD11	7	1.64
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD12	7	1.64
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD13	7	1.64
(1,1452)	1:67:A:GLU:HG2	1:68:A:LYS:H	3	1.64
(1,1452)	1:67:A:GLU:HG3	1:68:A:LYS:H	3	1.64
(1,1448)	1:65:A:LYS:HA	1:67:A:GLU:H	1	1.64
(1,1448)	1:65:A:LYS:HA	1:67:A:GLU:H	10	1.64
(1,1420)	1:48:A:ASN:H	1:44:A:THR:H	1	1.64
(1,1420)	1:48:A:ASN:H	1:44:A:THR:H	14	1.64
(1,1402)	1:45:A:THR:H	1:41:A:SER:HA	5	1.64
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG2	14	1.64
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG3	14	1.64
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG2	14	1.64
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG3	14	1.64
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG2	14	1.64
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG3	14	1.64
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB2	15	1.64
(1,1395)	1:44:A:THR:H	1:41:A:SER:HB3	15	1.64
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG21	13	1.64
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG22	13	1.64
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG23	13	1.64
(1,1322)	1:26:A:PRO:HA	1:30:A:LYS:HG2	10	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG2	13	1.64
(1,1315)	1:23:A:GLN:HA	1:24:A:ARG:HG3	13	1.64
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD11	3	1.64
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD12	3	1.64
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD13	3	1.64
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD11	3	1.64
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD12	3	1.64
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD13	3	1.64
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD11	11	1.64
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD12	11	1.64
(1,1266)	1:11:A:LEU:HB2	1:15:A:ILE:HD13	11	1.64
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD11	11	1.64
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD12	11	1.64
(1,1266)	1:11:A:LEU:HB3	1:15:A:ILE:HD13	11	1.64
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD11	14	1.64
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD12	14	1.64
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD13	14	1.64
(1,893)	1:65:A:LYS:HB2	1:68:A:LYS:H	9	1.64
(1,2211)	1:97:A:VAL:H	1:100:A:ASP:H	10	1.63
(1,2210)	1:97:A:VAL:HA	1:100:A:ASP:H	10	1.63
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB1	11	1.63
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB2	11	1.63
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB3	11	1.63
(1,2175)	1:94:A:ARG:HG3	1:95:A:SER:H	11	1.63
(1,2138)	1:89:A:ALA:H	1:91:A:SER:H	5	1.63
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD11	14	1.63
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD12	14	1.63
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD13	14	1.63
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD21	14	1.63
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD22	14	1.63
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD23	14	1.63
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD11	3	1.63
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD12	3	1.63
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD13	3	1.63
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD21	3	1.63
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD22	3	1.63
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD23	3	1.63
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD11	6	1.63
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD12	6	1.63
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD13	6	1.63
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD21	6	1.63
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD22	6	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD23	6	1.63
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD11	9	1.63
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD12	9	1.63
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD13	9	1.63
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD21	9	1.63
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD22	9	1.63
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD23	9	1.63
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD11	15	1.63
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD12	15	1.63
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD13	15	1.63
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD21	15	1.63
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD22	15	1.63
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD23	15	1.63
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB1	14	1.63
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB2	14	1.63
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB3	14	1.63
(1,2030)	1:77:A:GLU:HA	1:79:A:LYS:H	9	1.63
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG21	7	1.63
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG22	7	1.63
(1,2006)	1:74:A:LEU:HA	1:75:A:THR:HG23	7	1.63
(1,1971)	1:71:A:LEU:H	1:67:A:GLU:HB2	6	1.63
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD11	10	1.63
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD12	10	1.63
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD13	10	1.63
(1,1922)	1:65:A:LYS:H	1:63:A:LEU:HA	7	1.63
(1,1922)	1:65:A:LYS:H	1:63:A:LEU:HA	12	1.63
(1,1900)	1:63:A:LEU:HG	1:62:A:SER:HB3	11	1.63
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD11	10	1.63
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD12	10	1.63
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD13	10	1.63
(1,1868)	1:57:A:GLN:H	1:56:A:LEU:HG	10	1.63
(1,1804)	1:45:A:THR:H	1:42:A:LEU:H	10	1.63
(1,1804)	1:45:A:THR:H	1:42:A:LEU:H	13	1.63
(1,1804)	1:45:A:THR:H	1:42:A:LEU:H	14	1.63
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG21	14	1.63
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG22	14	1.63
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG23	14	1.63
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG21	14	1.63
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG22	14	1.63
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG23	14	1.63
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG2	5	1.63
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG3	5	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG2	8	1.63
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG3	8	1.63
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG2	12	1.63
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG3	12	1.63
(1,1689)	1:20:A:LEU:H	1:18:A:VAL:HA	3	1.63
(1,1689)	1:20:A:LEU:H	1:18:A:VAL:HA	7	1.63
(1,1689)	1:20:A:LEU:H	1:18:A:VAL:HA	15	1.63
(1,1676)	1:16:A:GLY:H	1:19:A:VAL:H	9	1.63
(1,1676)	1:16:A:GLY:H	1:19:A:VAL:H	11	1.63
(1,1666)	1:15:A:ILE:HG12	1:16:A:GLY:H	2	1.63
(1,1631)	1:12:A:VAL:HB	1:11:A:LEU:H	2	1.63
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG21	4	1.63
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG22	4	1.63
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG23	4	1.63
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG21	14	1.63
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG22	14	1.63
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG23	14	1.63
(1,1567)	1:3:A:ASP:HB2	1:4:A:ILE:HB	2	1.63
(1,1567)	1:3:A:ASP:HB2	1:4:A:ILE:HB	6	1.63
(1,1567)	1:3:A:ASP:HB2	1:4:A:ILE:HB	10	1.63
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB1	3	1.63
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB2	3	1.63
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB3	3	1.63
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB1	4	1.63
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB2	4	1.63
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB3	4	1.63
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB1	5	1.63
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB2	5	1.63
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB3	5	1.63
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB1	12	1.63
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB2	12	1.63
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB3	12	1.63
(1,1488)	1:80:A:ALA:H	1:83:A:ASP:H	2	1.63
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG21	6	1.63
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG22	6	1.63
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG23	6	1.63
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG21	6	1.63
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG22	6	1.63
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG23	6	1.63
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG21	6	1.63
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG22	6	1.63
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG23	6	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1457)	1:69:A:ALA:H	1:70:A:SER:HA	3	1.63
(1,1452)	1:67:A:GLU:HG2	1:68:A:LYS:H	4	1.63
(1,1452)	1:67:A:GLU:HG3	1:68:A:LYS:H	4	1.63
(1,1448)	1:65:A:LYS:HA	1:67:A:GLU:H	13	1.63
(1,1448)	1:65:A:LYS:HA	1:67:A:GLU:H	15	1.63
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG21	1	1.63
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG22	1	1.63
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG23	1	1.63
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB1	11	1.63
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB2	11	1.63
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB3	11	1.63
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD11	4	1.63
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD12	4	1.63
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD13	4	1.63
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD1	8	1.63
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD2	8	1.63
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD21	10	1.63
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD22	10	1.63
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD23	10	1.63
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD21	10	1.63
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD22	10	1.63
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD23	10	1.63
(1,893)	1:65:A:LYS:HB2	1:68:A:LYS:H	8	1.63
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD11	11	1.62
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD12	11	1.62
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD13	11	1.62
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD11	11	1.62
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD12	11	1.62
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD13	11	1.62
(1,2162)	1:93:A:LYS:H	1:95:A:SER:H	3	1.62
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD11	2	1.62
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD12	2	1.62
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD13	2	1.62
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD21	2	1.62
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD22	2	1.62
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD23	2	1.62
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD11	4	1.62
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD12	4	1.62
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD13	4	1.62
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD21	4	1.62
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD22	4	1.62
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD23	4	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD11	8	1.62
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD12	8	1.62
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD13	8	1.62
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD21	8	1.62
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD22	8	1.62
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD23	8	1.62
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB1	2	1.62
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB2	2	1.62
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB3	2	1.62
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB1	5	1.62
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB2	5	1.62
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB3	5	1.62
(1,2030)	1:77:A:GLU:HA	1:79:A:LYS:H	3	1.62
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD11	4	1.62
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD12	4	1.62
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD13	4	1.62
(1,1982)	1:73:A:ASN:HD21	1:69:A:ALA:HA	13	1.62
(1,1982)	1:73:A:ASN:HD22	1:69:A:ALA:HA	13	1.62
(1,1959)	1:69:A:ALA:H	1:66:A:VAL:H	10	1.62
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD2	13	1.62
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD3	13	1.62
(1,1922)	1:65:A:LYS:H	1:63:A:LEU:HA	9	1.62
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG11	1	1.62
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG12	1	1.62
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG13	1	1.62
(1,1899)	1:63:A:LEU:HB2	1:62:A:SER:HB2	5	1.62
(1,1890)	1:62:A:SER:H	1:60:A:GLN:H	5	1.62
(1,1883)	1:61:A:ASP:HB2	1:62:A:SER:HA	6	1.62
(1,1883)	1:61:A:ASP:HB2	1:62:A:SER:HA	15	1.62
(1,1881)	1:61:A:ASP:HB2	1:60:A:GLN:HA	8	1.62
(1,1881)	1:61:A:ASP:HB2	1:60:A:GLN:HA	12	1.62
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG2	1	1.62
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG3	1	1.62
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG2	2	1.62
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG3	2	1.62
(1,1833)	1:48:A:ASN:HA	1:49:A:GLU:HB2	14	1.62
(1,1804)	1:45:A:THR:H	1:42:A:LEU:H	11	1.62
(1,1782)	1:40:A:ARG:HG3	1:44:A:THR:HB	14	1.62
(1,1747)	1:32:A:VAL:HA	1:35:A:TRP:H	1	1.62
(1,1747)	1:32:A:VAL:HA	1:35:A:TRP:H	3	1.62
(1,1747)	1:32:A:VAL:HA	1:35:A:TRP:H	6	1.62
(1,1747)	1:32:A:VAL:HA	1:35:A:TRP:H	10	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1699)	1:21:A:GLY:H	1:23:A:GLN:H	2	1.62
(1,1631)	1:12:A:VAL:HB	1:11:A:LEU:H	6	1.62
(1,1631)	1:12:A:VAL:HB	1:11:A:LEU:H	10	1.62
(1,1603)	1:6:A:PHE:HA	1:10:A:LEU:H	5	1.62
(1,1603)	1:6:A:PHE:HA	1:10:A:LEU:H	6	1.62
(1,1580)	1:4:A:ILE:H	1:5:A:GLY:H	7	1.62
(1,1567)	1:3:A:ASP:HB2	1:4:A:ILE:HB	4	1.62
(1,1534)	1:97:A:VAL:H	1:98:A:ALA:HA	4	1.62
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB1	6	1.62
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB2	6	1.62
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB3	6	1.62
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB1	9	1.62
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB2	9	1.62
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB3	9	1.62
(1,1500)	1:85:A:LEU:HB2	1:88:A:ALA:H	7	1.62
(1,1500)	1:85:A:LEU:HB3	1:88:A:ALA:H	7	1.62
(1,1500)	1:85:A:LEU:HB2	1:88:A:ALA:H	12	1.62
(1,1500)	1:85:A:LEU:HB3	1:88:A:ALA:H	12	1.62
(1,1500)	1:85:A:LEU:HB2	1:88:A:ALA:H	13	1.62
(1,1500)	1:85:A:LEU:HB3	1:88:A:ALA:H	13	1.62
(1,1500)	1:85:A:LEU:HB2	1:88:A:ALA:H	14	1.62
(1,1500)	1:85:A:LEU:HB3	1:88:A:ALA:H	14	1.62
(1,1500)	1:85:A:LEU:HB2	1:88:A:ALA:H	15	1.62
(1,1500)	1:85:A:LEU:HB3	1:88:A:ALA:H	15	1.62
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD11	1	1.62
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD12	1	1.62
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD13	1	1.62
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD11	12	1.62
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD12	12	1.62
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD13	12	1.62
(1,1486)	1:79:A:LYS:H	1:81:A:SER:H	7	1.62
(1,1452)	1:67:A:GLU:HG2	1:68:A:LYS:H	14	1.62
(1,1452)	1:67:A:GLU:HG3	1:68:A:LYS:H	14	1.62
(1,1425)	1:48:A:ASN:HA	1:51:A:THR:H	1	1.62
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB1	12	1.62
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB2	12	1.62
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB3	12	1.62
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB1	14	1.62
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB2	14	1.62
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB3	14	1.62
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG21	1	1.62
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG22	1	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG23	1	1.62
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD21	8	1.62
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD22	8	1.62
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD23	8	1.62
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD21	8	1.62
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD22	8	1.62
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD23	8	1.62
(1,893)	1:65:A:LYS:HB2	1:68:A:LYS:H	3	1.62
(1,2197)	1:96:A:TYR:HA	1:100:A:ASP:H	11	1.61
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE1	2	1.61
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE2	2	1.61
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE3	2	1.61
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE1	2	1.61
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE2	2	1.61
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE3	2	1.61
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD2	7	1.61
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD3	7	1.61
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD11	1	1.61
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD12	1	1.61
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD13	1	1.61
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD21	1	1.61
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD22	1	1.61
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD23	1	1.61
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD11	5	1.61
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD12	5	1.61
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD13	5	1.61
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD21	5	1.61
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD22	5	1.61
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD23	5	1.61
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD11	10	1.61
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD12	10	1.61
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD13	10	1.61
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD21	10	1.61
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD22	10	1.61
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD23	10	1.61
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB1	11	1.61
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB2	11	1.61
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB3	11	1.61
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE1	13	1.61
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE2	13	1.61
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE3	13	1.61
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE1	15	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE2	15	1.61
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE3	15	1.61
(1,2028)	1:77:A:GLU:HG3	1:78:A:LEU:H	14	1.61
(1,2020)	1:76:A:PRO:HA	1:79:A:LYS:HB3	5	1.61
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD11	14	1.61
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD12	14	1.61
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD13	14	1.61
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD11	2	1.61
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD12	2	1.61
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD13	2	1.61
(1,1922)	1:65:A:LYS:H	1:63:A:LEU:HA	2	1.61
(1,1922)	1:65:A:LYS:H	1:63:A:LEU:HA	11	1.61
(1,1890)	1:62:A:SER:H	1:60:A:GLN:H	1	1.61
(1,1890)	1:62:A:SER:H	1:60:A:GLN:H	6	1.61
(1,1883)	1:61:A:ASP:HB2	1:62:A:SER:HA	4	1.61
(1,1883)	1:61:A:ASP:HB2	1:62:A:SER:HA	13	1.61
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD1	1	1.61
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD2	1	1.61
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD11	15	1.61
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD12	15	1.61
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD13	15	1.61
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG2	9	1.61
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG3	9	1.61
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG11	9	1.61
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG12	9	1.61
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG13	9	1.61
(1,1804)	1:45:A:THR:H	1:42:A:LEU:H	2	1.61
(1,1804)	1:45:A:THR:H	1:42:A:LEU:H	6	1.61
(1,1782)	1:40:A:ARG:HG3	1:44:A:THR:HB	6	1.61
(1,1747)	1:32:A:VAL:HA	1:35:A:TRP:H	2	1.61
(1,1747)	1:32:A:VAL:HA	1:35:A:TRP:H	7	1.61
(1,1747)	1:32:A:VAL:HA	1:35:A:TRP:H	9	1.61
(1,1743)	1:31:A:THR:HA	1:34:A:GLY:H	3	1.61
(1,1743)	1:31:A:THR:HA	1:34:A:GLY:H	7	1.61
(1,1743)	1:31:A:THR:HA	1:34:A:GLY:H	11	1.61
(1,1699)	1:21:A:GLY:H	1:23:A:GLN:H	12	1.61
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG21	1	1.61
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG22	1	1.61
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG23	1	1.61
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG21	12	1.61
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG22	12	1.61
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG23	12	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1595)	1:6:A:PHE:HB2	1:7:A:SER:H	10	1.61
(1,1512)	1:90:A:GLU:H	1:88:A:ALA:H	13	1.61
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB1	15	1.61
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB2	15	1.61
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB3	15	1.61
(1,1500)	1:85:A:LEU:HB2	1:88:A:ALA:H	1	1.61
(1,1500)	1:85:A:LEU:HB3	1:88:A:ALA:H	1	1.61
(1,1500)	1:85:A:LEU:HB2	1:88:A:ALA:H	2	1.61
(1,1500)	1:85:A:LEU:HB3	1:88:A:ALA:H	2	1.61
(1,1500)	1:85:A:LEU:HB2	1:88:A:ALA:H	3	1.61
(1,1500)	1:85:A:LEU:HB3	1:88:A:ALA:H	3	1.61
(1,1500)	1:85:A:LEU:HB2	1:88:A:ALA:H	4	1.61
(1,1500)	1:85:A:LEU:HB3	1:88:A:ALA:H	4	1.61
(1,1500)	1:85:A:LEU:HB2	1:88:A:ALA:H	5	1.61
(1,1500)	1:85:A:LEU:HB3	1:88:A:ALA:H	5	1.61
(1,1500)	1:85:A:LEU:HB2	1:88:A:ALA:H	6	1.61
(1,1500)	1:85:A:LEU:HB3	1:88:A:ALA:H	6	1.61
(1,1500)	1:85:A:LEU:HB2	1:88:A:ALA:H	8	1.61
(1,1500)	1:85:A:LEU:HB3	1:88:A:ALA:H	8	1.61
(1,1500)	1:85:A:LEU:HB2	1:88:A:ALA:H	9	1.61
(1,1500)	1:85:A:LEU:HB3	1:88:A:ALA:H	9	1.61
(1,1500)	1:85:A:LEU:HB2	1:88:A:ALA:H	11	1.61
(1,1500)	1:85:A:LEU:HB3	1:88:A:ALA:H	11	1.61
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD11	5	1.61
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD12	5	1.61
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD13	5	1.61
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD11	10	1.61
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD12	10	1.61
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD13	10	1.61
(1,1448)	1:65:A:LYS:HA	1:67:A:GLU:H	2	1.61
(1,1448)	1:65:A:LYS:HA	1:67:A:GLU:H	8	1.61
(1,1448)	1:65:A:LYS:HA	1:67:A:GLU:H	12	1.61
(1,1425)	1:48:A:ASN:HA	1:51:A:THR:H	7	1.61
(1,1420)	1:48:A:ASN:H	1:44:A:THR:H	13	1.61
(1,1409)	1:46:A:VAL:H	1:44:A:THR:HB	10	1.61
(1,1409)	1:46:A:VAL:H	1:44:A:THR:HB	11	1.61
(1,1402)	1:45:A:THR:H	1:41:A:SER:HA	15	1.61
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG21	5	1.61
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG22	5	1.61
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG23	5	1.61
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB1	1	1.61
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB2	1	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB3	1	1.61
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB1	2	1.61
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB2	2	1.61
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB3	2	1.61
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB1	3	1.61
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB2	3	1.61
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB3	3	1.61
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG11	13	1.61
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG12	13	1.61
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG13	13	1.61
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB2	15	1.61
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB3	15	1.61
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD11	5	1.6
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD12	5	1.6
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD13	5	1.6
(1,2210)	1:97:A:VAL:HA	1:100:A:ASP:H	2	1.6
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD1	11	1.6
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD2	11	1.6
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE1	3	1.6
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE2	3	1.6
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE1	7	1.6
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE2	7	1.6
(1,2162)	1:93:A:LYS:H	1:95:A:SER:H	9	1.6
(1,2162)	1:93:A:LYS:H	1:95:A:SER:H	14	1.6
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD11	11	1.6
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD12	11	1.6
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD13	11	1.6
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD21	11	1.6
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD22	11	1.6
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD23	11	1.6
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD11	12	1.6
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD12	12	1.6
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD13	12	1.6
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD21	12	1.6
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD22	12	1.6
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD23	12	1.6
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD11	14	1.6
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD12	14	1.6
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD13	14	1.6
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD21	14	1.6
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD22	14	1.6
(1,2101)	1:84:A:GLU:HG3	1:85:A:LEU:HD23	14	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2020)	1:76:A:PRO:HA	1:79:A:LYS:HB3	2	1.6
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG21	4	1.6
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG22	4	1.6
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG23	4	1.6
(1,1937)	1:66:A:VAL:HA	1:69:A:ALA:HA	8	1.6
(1,1922)	1:65:A:LYS:H	1:63:A:LEU:HA	1	1.6
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG11	10	1.6
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG12	10	1.6
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG13	10	1.6
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG2	3	1.6
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG3	3	1.6
(1,1883)	1:61:A:ASP:HB2	1:62:A:SER:HA	2	1.6
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD1	15	1.6
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD2	15	1.6
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG21	9	1.6
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG22	9	1.6
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG23	9	1.6
(1,1833)	1:48:A:ASN:HA	1:49:A:GLU:HB2	10	1.6
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG11	8	1.6
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG12	8	1.6
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG13	8	1.6
(1,1804)	1:45:A:THR:H	1:42:A:LEU:H	1	1.6
(1,1804)	1:45:A:THR:H	1:42:A:LEU:H	3	1.6
(1,1782)	1:40:A:ARG:HG3	1:44:A:THR:HB	15	1.6
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG2	9	1.6
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG3	9	1.6
(1,1747)	1:32:A:VAL:HA	1:35:A:TRP:H	11	1.6
(1,1743)	1:31:A:THR:HA	1:34:A:GLY:H	2	1.6
(1,1743)	1:31:A:THR:HA	1:34:A:GLY:H	6	1.6
(1,1743)	1:31:A:THR:HA	1:34:A:GLY:H	9	1.6
(1,1743)	1:31:A:THR:HA	1:34:A:GLY:H	10	1.6
(1,1631)	1:12:A:VAL:HB	1:11:A:LEU:H	7	1.6
(1,1631)	1:12:A:VAL:HB	1:11:A:LEU:H	11	1.6
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG13	7	1.6
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG12	7	1.6
(1,1595)	1:6:A:PHE:HB2	1:7:A:SER:H	1	1.6
(1,1595)	1:6:A:PHE:HB2	1:7:A:SER:H	2	1.6
(1,1595)	1:6:A:PHE:HB2	1:7:A:SER:H	4	1.6
(1,1595)	1:6:A:PHE:HB2	1:7:A:SER:H	8	1.6
(1,1595)	1:6:A:PHE:HB2	1:7:A:SER:H	9	1.6
(1,1595)	1:6:A:PHE:HB2	1:7:A:SER:H	13	1.6
(1,1595)	1:6:A:PHE:HB2	1:7:A:SER:H	14	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1569)	1:3:A:ASP:H	1:5:A:GLY:H	3	1.6
(1,1569)	1:3:A:ASP:H	1:5:A:GLY:H	5	1.6
(1,1567)	1:3:A:ASP:HB2	1:4:A:ILE:HB	12	1.6
(1,1512)	1:90:A:GLU:H	1:88:A:ALA:H	1	1.6
(1,1512)	1:90:A:GLU:H	1:88:A:ALA:H	7	1.6
(1,1512)	1:90:A:GLU:H	1:88:A:ALA:H	12	1.6
(1,1512)	1:90:A:GLU:H	1:88:A:ALA:H	14	1.6
(1,1500)	1:85:A:LEU:HB2	1:88:A:ALA:H	10	1.6
(1,1500)	1:85:A:LEU:HB3	1:88:A:ALA:H	10	1.6
(1,1488)	1:80:A:ALA:H	1:83:A:ASP:H	11	1.6
(1,1457)	1:69:A:ALA:H	1:70:A:SER:HA	4	1.6
(1,1444)	1:63:A:LEU:HA	1:66:A:VAL:HB	6	1.6
(1,1402)	1:45:A:THR:H	1:41:A:SER:HA	11	1.6
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB1	5	1.6
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB2	5	1.6
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB3	5	1.6
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB1	6	1.6
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB2	6	1.6
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB3	6	1.6
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB1	8	1.6
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB2	8	1.6
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB3	8	1.6
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB1	13	1.6
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB2	13	1.6
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB3	13	1.6
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB1	15	1.6
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB2	15	1.6
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB3	15	1.6
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB1	2	1.6
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB2	2	1.6
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB3	2	1.6
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG11	12	1.6
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG12	12	1.6
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG13	12	1.6
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG21	13	1.6
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG22	13	1.6
(1,1257)	1:10:A:LEU:HA	1:14:A:ILE:HG23	13	1.6
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB2	13	1.6
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB3	13	1.6
(1,893)	1:65:A:LYS:HB2	1:68:A:LYS:H	13	1.6
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD1	4	1.59
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD2	4	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2201)	1:97:A:VAL:H	1:94:A:ARG:HA	10	1.59
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB2	11	1.59
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB3	11	1.59
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD2	8	1.59
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD3	8	1.59
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD2	12	1.59
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD3	12	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD11	3	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD12	3	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD13	3	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD21	3	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD22	3	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD23	3	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD11	5	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD12	5	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD13	5	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD21	5	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD22	5	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD23	5	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD11	8	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD12	8	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD13	8	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD21	8	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD22	8	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD23	8	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD11	11	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD12	11	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD13	11	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD21	11	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD22	11	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD23	11	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD11	12	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD12	12	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD13	12	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD21	12	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD22	12	1.59
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD23	12	1.59
(1,2084)	1:83:A:ASP:HA	1:86:A:ARG:HA	7	1.59
(1,2041)	1:79:A:LYS:H	1:75:A:THR:H	7	1.59
(1,2020)	1:76:A:PRO:HA	1:79:A:LYS:HB3	11	1.59
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG21	14	1.59
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG22	14	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG23	14	1.59
(1,1982)	1:73:A:ASN:HD21	1:69:A:ALA:HA	9	1.59
(1,1982)	1:73:A:ASN:HD22	1:69:A:ALA:HA	9	1.59
(1,1968)	1:70:A:SER:HB2	1:74:A:LEU:HG	2	1.59
(1,1968)	1:70:A:SER:HB3	1:74:A:LEU:HG	2	1.59
(1,1968)	1:70:A:SER:HB2	1:74:A:LEU:HG	12	1.59
(1,1968)	1:70:A:SER:HB3	1:74:A:LEU:HG	12	1.59
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG21	10	1.59
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG22	10	1.59
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG23	10	1.59
(1,1959)	1:69:A:ALA:H	1:66:A:VAL:H	6	1.59
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD11	12	1.59
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD12	12	1.59
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD13	12	1.59
(1,1900)	1:63:A:LEU:HG	1:62:A:SER:HB3	15	1.59
(1,1881)	1:61:A:ASP:HB2	1:60:A:GLN:HA	14	1.59
(1,1869)	1:60:A:GLN:HE22	1:56:A:LEU:HB2	2	1.59
(1,1804)	1:45:A:THR:H	1:42:A:LEU:H	7	1.59
(1,1804)	1:45:A:THR:H	1:42:A:LEU:H	12	1.59
(1,1780)	1:40:A:ARG:H	1:42:A:LEU:H	3	1.59
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG2	7	1.59
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG3	7	1.59
(1,1712)	1:25:A:LEU:H	1:23:A:GLN:H	12	1.59
(1,1689)	1:20:A:LEU:H	1:18:A:VAL:HA	9	1.59
(1,1684)	1:18:A:VAL:H	1:17:A:LEU:HG	13	1.59
(1,1651)	1:13:A:PHE:HE1	1:17:A:LEU:HG	12	1.59
(1,1651)	1:13:A:PHE:HE2	1:17:A:LEU:HG	12	1.59
(1,1569)	1:3:A:ASP:H	1:5:A:GLY:H	1	1.59
(1,1569)	1:3:A:ASP:H	1:5:A:GLY:H	9	1.59
(1,1569)	1:3:A:ASP:H	1:5:A:GLY:H	14	1.59
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB1	1	1.59
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB2	1	1.59
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB3	1	1.59
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB1	3	1.59
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB2	3	1.59
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB3	3	1.59
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB1	8	1.59
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB2	8	1.59
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB3	8	1.59
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB1	9	1.59
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB2	9	1.59
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB3	9	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB1	12	1.59
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB2	12	1.59
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB3	12	1.59
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB1	13	1.59
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB2	13	1.59
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB3	13	1.59
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB1	15	1.59
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB2	15	1.59
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB3	15	1.59
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE1	5	1.59
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE2	5	1.59
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE3	5	1.59
(1,1512)	1:90:A:GLU:H	1:88:A:ALA:H	3	1.59
(1,1512)	1:90:A:GLU:H	1:88:A:ALA:H	6	1.59
(1,1512)	1:90:A:GLU:H	1:88:A:ALA:H	8	1.59
(1,1512)	1:90:A:GLU:H	1:88:A:ALA:H	9	1.59
(1,1512)	1:90:A:GLU:H	1:88:A:ALA:H	15	1.59
(1,1488)	1:80:A:ALA:H	1:83:A:ASP:H	5	1.59
(1,1488)	1:80:A:ALA:H	1:83:A:ASP:H	8	1.59
(1,1488)	1:80:A:ALA:H	1:83:A:ASP:H	12	1.59
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG21	4	1.59
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG22	4	1.59
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG23	4	1.59
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG21	4	1.59
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG22	4	1.59
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG23	4	1.59
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG21	4	1.59
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG22	4	1.59
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG23	4	1.59
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG21	8	1.59
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG22	8	1.59
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG23	8	1.59
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG21	8	1.59
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG22	8	1.59
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG23	8	1.59
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG21	8	1.59
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG22	8	1.59
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG23	8	1.59
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG21	10	1.59
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG22	10	1.59
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG23	10	1.59
(1,1457)	1:69:A:ALA:H	1:70:A:SER:HA	14	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1448)	1:65:A:LYS:HA	1:67:A:GLU:H	3	1.59
(1,1448)	1:65:A:LYS:HA	1:67:A:GLU:H	4	1.59
(1,1448)	1:65:A:LYS:HA	1:67:A:GLU:H	9	1.59
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG2	5	1.59
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG3	5	1.59
(1,1425)	1:48:A:ASN:HA	1:51:A:THR:H	9	1.59
(1,1425)	1:48:A:ASN:HA	1:51:A:THR:H	13	1.59
(1,1420)	1:48:A:ASN:H	1:44:A:THR:H	3	1.59
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG21	12	1.59
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG22	12	1.59
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG23	12	1.59
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG21	14	1.59
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG22	14	1.59
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG23	14	1.59
(1,1414)	1:47:A:GLN:H	1:44:A:THR:HB	9	1.59
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB1	7	1.59
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB2	7	1.59
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB3	7	1.59
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB1	9	1.59
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB2	9	1.59
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB3	9	1.59
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB1	10	1.59
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB2	10	1.59
(1,1374)	1:37:A:ARG:H	1:38:A:ALA:HB3	10	1.59
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB1	3	1.59
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB2	3	1.59
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB3	3	1.59
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD11	12	1.59
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD12	12	1.59
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD13	12	1.59
(1,1313)	1:21:A:GLY:H	1:20:A:LEU:HG	12	1.59
(1,2245)	1:103:A:GLU:H	1:102:A:LEU:HB2	10	1.58
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE1	6	1.58
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE2	6	1.58
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE3	6	1.58
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE1	6	1.58
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE2	6	1.58
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE3	6	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD11	1	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD12	1	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD13	1	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD21	1	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD22	1	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD23	1	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD11	2	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD12	2	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD13	2	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD21	2	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD22	2	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD23	2	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD11	4	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD12	4	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD13	4	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD21	4	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD22	4	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD23	4	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD11	6	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD12	6	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD13	6	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD21	6	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD22	6	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD23	6	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD11	9	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD12	9	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD13	9	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD21	9	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD22	9	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD23	9	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD11	10	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD12	10	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD13	10	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD21	10	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD22	10	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD23	10	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD11	13	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD12	13	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD13	13	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD21	13	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD22	13	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD23	13	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD11	15	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD12	15	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD13	15	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD21	15	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD22	15	1.58
(1,2117)	1:86:A:ARG:H	1:85:A:LEU:HD23	15	1.58
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE1	3	1.58
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE2	3	1.58
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE3	3	1.58
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE1	9	1.58
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE2	9	1.58
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE3	9	1.58
(1,2020)	1:76:A:PRO:HA	1:79:A:LYS:HB3	10	1.58
(1,1977)	1:71:A:LEU:HB3	1:72:A:THR:H	15	1.58
(1,1968)	1:70:A:SER:HB2	1:74:A:LEU:HG	1	1.58
(1,1968)	1:70:A:SER:HB3	1:74:A:LEU:HG	1	1.58
(1,1968)	1:70:A:SER:HB2	1:74:A:LEU:HG	10	1.58
(1,1968)	1:70:A:SER:HB3	1:74:A:LEU:HG	10	1.58
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG21	1	1.58
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG22	1	1.58
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG23	1	1.58
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG21	2	1.58
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG22	2	1.58
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG23	2	1.58
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD11	1	1.58
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD12	1	1.58
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD13	1	1.58
(1,1910)	1:64:A:LYS:H	1:62:A:SER:H	11	1.58
(1,1900)	1:63:A:LEU:HG	1:62:A:SER:HB3	9	1.58
(1,1900)	1:63:A:LEU:HG	1:62:A:SER:HB3	14	1.58
(1,1883)	1:61:A:ASP:HB2	1:62:A:SER:HA	5	1.58
(1,1883)	1:61:A:ASP:HB2	1:62:A:SER:HA	7	1.58
(1,1883)	1:61:A:ASP:HB2	1:62:A:SER:HA	11	1.58
(1,1868)	1:57:A:GLN:H	1:56:A:LEU:HG	14	1.58
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG21	1	1.58
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG22	1	1.58
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG23	1	1.58
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG11	3	1.58
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG12	3	1.58
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG13	3	1.58
(1,1780)	1:40:A:ARG:H	1:42:A:LEU:H	5	1.58
(1,1780)	1:40:A:ARG:H	1:42:A:LEU:H	10	1.58
(1,1651)	1:13:A:PHE:HE1	1:17:A:LEU:HG	13	1.58
(1,1651)	1:13:A:PHE:HE2	1:17:A:LEU:HG	13	1.58
(1,1595)	1:6:A:PHE:HB2	1:7:A:SER:H	3	1.58
(1,1580)	1:4:A:ILE:H	1:5:A:GLY:H	13	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1569)	1:3:A:ASP:H	1:5:A:GLY:H	2	1.58
(1,1569)	1:3:A:ASP:H	1:5:A:GLY:H	4	1.58
(1,1569)	1:3:A:ASP:H	1:5:A:GLY:H	6	1.58
(1,1569)	1:3:A:ASP:H	1:5:A:GLY:H	8	1.58
(1,1569)	1:3:A:ASP:H	1:5:A:GLY:H	10	1.58
(1,1534)	1:97:A:VAL:H	1:98:A:ALA:HA	10	1.58
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB1	6	1.58
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB2	6	1.58
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB3	6	1.58
(1,1512)	1:90:A:GLU:H	1:88:A:ALA:H	2	1.58
(1,1512)	1:90:A:GLU:H	1:88:A:ALA:H	10	1.58
(1,1488)	1:80:A:ALA:H	1:83:A:ASP:H	1	1.58
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG21	14	1.58
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG22	14	1.58
(1,1475)	1:74:A:LEU:HD11	1:75:A:THR:HG23	14	1.58
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG21	14	1.58
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG22	14	1.58
(1,1475)	1:74:A:LEU:HD12	1:75:A:THR:HG23	14	1.58
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG21	14	1.58
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG22	14	1.58
(1,1475)	1:74:A:LEU:HD13	1:75:A:THR:HG23	14	1.58
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG21	1	1.58
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG22	1	1.58
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG23	1	1.58
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG21	2	1.58
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG22	2	1.58
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG23	2	1.58
(1,1448)	1:65:A:LYS:HA	1:67:A:GLU:H	14	1.58
(1,1432)	1:56:A:LEU:HB2	1:60:A:GLN:HB2	8	1.58
(1,1422)	1:48:A:ASN:H	1:44:A:THR:HB	14	1.58
(1,1420)	1:48:A:ASN:H	1:44:A:THR:H	4	1.58
(1,1414)	1:47:A:GLN:H	1:44:A:THR:HB	8	1.58
(1,1403)	1:45:A:THR:HB	1:41:A:SER:HA	15	1.58
(1,1402)	1:45:A:THR:H	1:41:A:SER:HA	9	1.58
(1,1386)	1:42:A:LEU:HD11	1:39:A:LEU:H	2	1.58
(1,1386)	1:42:A:LEU:HD12	1:39:A:LEU:H	2	1.58
(1,1386)	1:42:A:LEU:HD13	1:39:A:LEU:H	2	1.58
(1,1386)	1:42:A:LEU:HD21	1:39:A:LEU:H	2	1.58
(1,1386)	1:42:A:LEU:HD22	1:39:A:LEU:H	2	1.58
(1,1386)	1:42:A:LEU:HD23	1:39:A:LEU:H	2	1.58
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG21	4	1.58
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG22	4	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG23	4	1.58
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB1	1	1.58
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB2	1	1.58
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB3	1	1.58
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD11	8	1.58
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD12	8	1.58
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD13	8	1.58
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD11	13	1.58
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD12	13	1.58
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD13	13	1.58
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD11	14	1.58
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD12	14	1.58
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD13	14	1.58
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD11	15	1.58
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD12	15	1.58
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD13	15	1.58
(1,1322)	1:26:A:PRO:HA	1:30:A:LYS:HG2	2	1.58
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD11	5	1.57
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD12	5	1.57
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD13	5	1.57
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD21	5	1.57
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD22	5	1.57
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD23	5	1.57
(1,2237)	1:102:A:LEU:H	1:103:A:GLU:HA	5	1.57
(1,2201)	1:97:A:VAL:H	1:94:A:ARG:HA	4	1.57
(1,2164)	1:93:A:LYS:HG3	1:97:A:VAL:HB	5	1.57
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG3	7	1.57
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG2	7	1.57
(1,2059)	1:81:A:SER:HA	1:82:A:MET:H	7	1.57
(1,2028)	1:77:A:GLU:HG3	1:78:A:LEU:H	9	1.57
(1,2025)	1:77:A:GLU:HA	1:76:A:PRO:HB2	1	1.57
(1,2025)	1:77:A:GLU:HA	1:76:A:PRO:HB2	2	1.57
(1,2025)	1:77:A:GLU:HA	1:76:A:PRO:HB2	5	1.57
(1,2025)	1:77:A:GLU:HA	1:76:A:PRO:HB2	7	1.57
(1,2025)	1:77:A:GLU:HA	1:76:A:PRO:HB2	10	1.57
(1,2025)	1:77:A:GLU:HA	1:76:A:PRO:HB2	11	1.57
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG21	6	1.57
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG22	6	1.57
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG23	6	1.57
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG21	8	1.57
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG22	8	1.57
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG23	8	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1982)	1:73:A:ASN:HD21	1:69:A:ALA:HA	3	1.57
(1,1982)	1:73:A:ASN:HD22	1:69:A:ALA:HA	3	1.57
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB1	4	1.57
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB2	4	1.57
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB3	4	1.57
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB1	14	1.57
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB2	14	1.57
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB3	14	1.57
(1,1978)	1:71:A:LEU:HD21	1:72:A:THR:H	13	1.57
(1,1978)	1:71:A:LEU:HD22	1:72:A:THR:H	13	1.57
(1,1978)	1:71:A:LEU:HD23	1:72:A:THR:H	13	1.57
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG21	12	1.57
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG22	12	1.57
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG23	12	1.57
(1,1937)	1:66:A:VAL:HA	1:69:A:ALA:HA	5	1.57
(1,1937)	1:66:A:VAL:HA	1:69:A:ALA:HA	7	1.57
(1,1937)	1:66:A:VAL:HA	1:69:A:ALA:HA	15	1.57
(1,1922)	1:65:A:LYS:H	1:63:A:LEU:HA	3	1.57
(1,1922)	1:65:A:LYS:H	1:63:A:LEU:HA	13	1.57
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG11	13	1.57
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG12	13	1.57
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG13	13	1.57
(1,1898)	1:63:A:LEU:H	1:61:A:ASP:H	5	1.57
(1,1890)	1:62:A:SER:H	1:60:A:GLN:H	3	1.57
(1,1881)	1:61:A:ASP:HB2	1:60:A:GLN:HA	1	1.57
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG2	10	1.57
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG3	10	1.57
(1,1833)	1:48:A:ASN:HA	1:49:A:GLU:HB2	11	1.57
(1,1830)	1:47:A:GLN:HA	1:48:A:ASN:H	15	1.57
(1,1798)	1:43:A:ALA:HA	1:44:A:THR:H	1	1.57
(1,1798)	1:43:A:ALA:HA	1:44:A:THR:H	2	1.57
(1,1798)	1:43:A:ALA:HA	1:44:A:THR:H	3	1.57
(1,1798)	1:43:A:ALA:HA	1:44:A:THR:H	5	1.57
(1,1798)	1:43:A:ALA:HA	1:44:A:THR:H	6	1.57
(1,1798)	1:43:A:ALA:HA	1:44:A:THR:H	7	1.57
(1,1798)	1:43:A:ALA:HA	1:44:A:THR:H	8	1.57
(1,1798)	1:43:A:ALA:HA	1:44:A:THR:H	9	1.57
(1,1798)	1:43:A:ALA:HA	1:44:A:THR:H	10	1.57
(1,1798)	1:43:A:ALA:HA	1:44:A:THR:H	11	1.57
(1,1798)	1:43:A:ALA:HA	1:44:A:THR:H	12	1.57
(1,1798)	1:43:A:ALA:HA	1:44:A:THR:H	13	1.57
(1,1798)	1:43:A:ALA:HA	1:44:A:THR:H	14	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1787)	1:42:A:LEU:HD11	1:43:A:ALA:H	4	1.57
(1,1787)	1:42:A:LEU:HD12	1:43:A:ALA:H	4	1.57
(1,1787)	1:42:A:LEU:HD13	1:43:A:ALA:H	4	1.57
(1,1787)	1:42:A:LEU:HD21	1:43:A:ALA:H	4	1.57
(1,1787)	1:42:A:LEU:HD22	1:43:A:ALA:H	4	1.57
(1,1787)	1:42:A:LEU:HD23	1:43:A:ALA:H	4	1.57
(1,1780)	1:40:A:ARG:H	1:42:A:LEU:H	6	1.57
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG2	3	1.57
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG3	3	1.57
(1,1744)	1:32:A:VAL:HA	1:33:A:ALA:H	1	1.57
(1,1744)	1:32:A:VAL:HA	1:33:A:ALA:H	2	1.57
(1,1744)	1:32:A:VAL:HA	1:33:A:ALA:H	3	1.57
(1,1744)	1:32:A:VAL:HA	1:33:A:ALA:H	4	1.57
(1,1744)	1:32:A:VAL:HA	1:33:A:ALA:H	5	1.57
(1,1744)	1:32:A:VAL:HA	1:33:A:ALA:H	6	1.57
(1,1744)	1:32:A:VAL:HA	1:33:A:ALA:H	7	1.57
(1,1744)	1:32:A:VAL:HA	1:33:A:ALA:H	8	1.57
(1,1744)	1:32:A:VAL:HA	1:33:A:ALA:H	9	1.57
(1,1744)	1:32:A:VAL:HA	1:33:A:ALA:H	10	1.57
(1,1744)	1:32:A:VAL:HA	1:33:A:ALA:H	11	1.57
(1,1744)	1:32:A:VAL:HA	1:33:A:ALA:H	12	1.57
(1,1744)	1:32:A:VAL:HA	1:33:A:ALA:H	13	1.57
(1,1744)	1:32:A:VAL:HA	1:33:A:ALA:H	14	1.57
(1,1744)	1:32:A:VAL:HA	1:33:A:ALA:H	15	1.57
(1,1620)	1:9:A:LEU:HA	1:12:A:VAL:H	13	1.57
(1,1580)	1:4:A:ILE:H	1:5:A:GLY:H	3	1.57
(1,1580)	1:4:A:ILE:H	1:5:A:GLY:H	8	1.57
(1,1580)	1:4:A:ILE:H	1:5:A:GLY:H	15	1.57
(1,1546)	1:2:A:PHE:HD1	1:1:A:MET:HA	7	1.57
(1,1546)	1:2:A:PHE:HD2	1:1:A:MET:HA	7	1.57
(1,1531)	1:96:A:TYR:HB2	1:98:A:ALA:H	5	1.57
(1,1531)	1:96:A:TYR:HB3	1:98:A:ALA:H	5	1.57
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB1	7	1.57
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB2	7	1.57
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB3	7	1.57
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB1	10	1.57
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB2	10	1.57
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB3	10	1.57
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB1	14	1.57
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB2	14	1.57
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB3	14	1.57
(1,1512)	1:90:A:GLU:H	1:88:A:ALA:H	4	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1512)	1:90:A:GLU:H	1:88:A:ALA:H	5	1.57
(1,1512)	1:90:A:GLU:H	1:88:A:ALA:H	11	1.57
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB1	13	1.57
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB2	13	1.57
(1,1504)	1:86:A:ARG:HB2	1:89:A:ALA:HB3	13	1.57
(1,1488)	1:80:A:ALA:H	1:83:A:ASP:H	10	1.57
(1,1488)	1:80:A:ALA:H	1:83:A:ASP:H	14	1.57
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD11	3	1.57
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD12	3	1.57
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD13	3	1.57
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD11	9	1.57
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD12	9	1.57
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD13	9	1.57
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD11	13	1.57
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD12	13	1.57
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD13	13	1.57
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG21	11	1.57
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG22	11	1.57
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG23	11	1.57
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG21	12	1.57
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG22	12	1.57
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG23	12	1.57
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG2	4	1.57
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG3	4	1.57
(1,1425)	1:48:A:ASN:HA	1:51:A:THR:H	8	1.57
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG21	2	1.57
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG22	2	1.57
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG23	2	1.57
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG21	2	1.57
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG22	2	1.57
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG23	2	1.57
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG21	3	1.57
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG22	3	1.57
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG23	3	1.57
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG21	13	1.57
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG22	13	1.57
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG23	13	1.57
(1,1412)	1:47:A:GLN:H	1:43:A:ALA:HA	9	1.57
(1,1402)	1:45:A:THR:H	1:41:A:SER:HA	8	1.57
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG21	1	1.57
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG22	1	1.57
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG23	1	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB1	6	1.57
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB2	6	1.57
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB3	6	1.57
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB1	9	1.57
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB2	9	1.57
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB3	9	1.57
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD11	4	1.57
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD12	4	1.57
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD13	4	1.57
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD11	5	1.57
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD12	5	1.57
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD13	5	1.57
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD21	9	1.57
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD22	9	1.57
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD23	9	1.57
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD21	9	1.57
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD22	9	1.57
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD23	9	1.57
(1,893)	1:65:A:LYS:HB2	1:68:A:LYS:H	4	1.57
(1,2245)	1:103:A:GLU:H	1:102:A:LEU:HB2	8	1.56
(1,2237)	1:102:A:LEU:H	1:103:A:GLU:HA	4	1.56
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD1	9	1.56
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD2	9	1.56
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB2	13	1.56
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB3	13	1.56
(1,2168)	1:94:A:ARG:H	1:92:A:MET:HA	1	1.56
(1,2168)	1:94:A:ARG:H	1:92:A:MET:HA	14	1.56
(1,2164)	1:93:A:LYS:HG3	1:97:A:VAL:HB	2	1.56
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG3	13	1.56
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG2	13	1.56
(1,2084)	1:83:A:ASP:HA	1:86:A:ARG:HA	6	1.56
(1,2059)	1:81:A:SER:HA	1:82:A:MET:H	1	1.56
(1,2059)	1:81:A:SER:HA	1:82:A:MET:H	2	1.56
(1,2059)	1:81:A:SER:HA	1:82:A:MET:H	4	1.56
(1,2059)	1:81:A:SER:HA	1:82:A:MET:H	5	1.56
(1,2059)	1:81:A:SER:HA	1:82:A:MET:H	10	1.56
(1,2059)	1:81:A:SER:HA	1:82:A:MET:H	11	1.56
(1,2059)	1:81:A:SER:HA	1:82:A:MET:H	12	1.56
(1,2059)	1:81:A:SER:HA	1:82:A:MET:H	14	1.56
(1,2059)	1:81:A:SER:HA	1:82:A:MET:H	15	1.56
(1,2041)	1:79:A:LYS:H	1:75:A:THR:H	15	1.56
(1,2025)	1:77:A:GLU:HA	1:76:A:PRO:HB2	12	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB1	15	1.56
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB2	15	1.56
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB3	15	1.56
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG21	11	1.56
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG22	11	1.56
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG23	11	1.56
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD11	5	1.56
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD12	5	1.56
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD13	5	1.56
(1,1928)	1:65:A:LYS:HA	1:66:A:VAL:H	1	1.56
(1,1928)	1:65:A:LYS:HA	1:66:A:VAL:H	2	1.56
(1,1928)	1:65:A:LYS:HA	1:66:A:VAL:H	3	1.56
(1,1928)	1:65:A:LYS:HA	1:66:A:VAL:H	4	1.56
(1,1928)	1:65:A:LYS:HA	1:66:A:VAL:H	5	1.56
(1,1928)	1:65:A:LYS:HA	1:66:A:VAL:H	7	1.56
(1,1928)	1:65:A:LYS:HA	1:66:A:VAL:H	8	1.56
(1,1928)	1:65:A:LYS:HA	1:66:A:VAL:H	9	1.56
(1,1928)	1:65:A:LYS:HA	1:66:A:VAL:H	11	1.56
(1,1928)	1:65:A:LYS:HA	1:66:A:VAL:H	12	1.56
(1,1928)	1:65:A:LYS:HA	1:66:A:VAL:H	13	1.56
(1,1928)	1:65:A:LYS:HA	1:66:A:VAL:H	14	1.56
(1,1928)	1:65:A:LYS:HA	1:66:A:VAL:H	15	1.56
(1,1904)	1:63:A:LEU:H	1:66:A:VAL:HB	10	1.56
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG11	15	1.56
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG12	15	1.56
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG13	15	1.56
(1,1898)	1:63:A:LEU:H	1:61:A:ASP:H	6	1.56
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD11	8	1.56
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD12	8	1.56
(1,1891)	1:62:A:SER:H	1:63:A:LEU:HD13	8	1.56
(1,1890)	1:62:A:SER:H	1:60:A:GLN:H	13	1.56
(1,1883)	1:61:A:ASP:HB2	1:62:A:SER:HA	9	1.56
(1,1883)	1:61:A:ASP:HB2	1:62:A:SER:HA	10	1.56
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD1	5	1.56
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD2	5	1.56
(1,1798)	1:43:A:ALA:HA	1:44:A:THR:H	4	1.56
(1,1787)	1:42:A:LEU:HD11	1:43:A:ALA:H	1	1.56
(1,1787)	1:42:A:LEU:HD12	1:43:A:ALA:H	1	1.56
(1,1787)	1:42:A:LEU:HD13	1:43:A:ALA:H	1	1.56
(1,1787)	1:42:A:LEU:HD21	1:43:A:ALA:H	1	1.56
(1,1787)	1:42:A:LEU:HD22	1:43:A:ALA:H	1	1.56
(1,1787)	1:42:A:LEU:HD23	1:43:A:ALA:H	1	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1782)	1:40:A:ARG:HG3	1:44:A:THR:HB	7	1.56
(1,1780)	1:40:A:ARG:H	1:42:A:LEU:H	8	1.56
(1,1780)	1:40:A:ARG:H	1:42:A:LEU:H	9	1.56
(1,1756)	1:35:A:TRP:H	1:36:A:ILE:HA	3	1.56
(1,1756)	1:35:A:TRP:H	1:36:A:ILE:HA	6	1.56
(1,1756)	1:35:A:TRP:H	1:36:A:ILE:HA	8	1.56
(1,1756)	1:35:A:TRP:H	1:36:A:ILE:HA	12	1.56
(1,1756)	1:35:A:TRP:H	1:36:A:ILE:HA	13	1.56
(1,1743)	1:31:A:THR:HA	1:34:A:GLY:H	1	1.56
(1,1743)	1:31:A:THR:HA	1:34:A:GLY:H	12	1.56
(1,1743)	1:31:A:THR:HA	1:34:A:GLY:H	14	1.56
(1,1684)	1:18:A:VAL:H	1:17:A:LEU:HG	12	1.56
(1,1620)	1:9:A:LEU:HA	1:12:A:VAL:H	10	1.56
(1,1580)	1:4:A:ILE:H	1:5:A:GLY:H	1	1.56
(1,1580)	1:4:A:ILE:H	1:5:A:GLY:H	5	1.56
(1,1580)	1:4:A:ILE:H	1:5:A:GLY:H	9	1.56
(1,1580)	1:4:A:ILE:H	1:5:A:GLY:H	14	1.56
(1,1540)	1:103:A:GLU:H	1:101:A:PRO:HA	1	1.56
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB1	2	1.56
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB2	2	1.56
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB3	2	1.56
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB1	4	1.56
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB2	4	1.56
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB3	4	1.56
(1,1488)	1:80:A:ALA:H	1:83:A:ASP:H	6	1.56
(1,1467)	1:72:A:THR:HA	1:74:A:LEU:HB2	4	1.56
(1,1467)	1:72:A:THR:HA	1:74:A:LEU:HB2	14	1.56
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD11	4	1.56
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD12	4	1.56
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD13	4	1.56
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD11	14	1.56
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD12	14	1.56
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD13	14	1.56
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD11	9	1.56
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD12	9	1.56
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD13	9	1.56
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD21	9	1.56
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD22	9	1.56
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD23	9	1.56
(1,1420)	1:48:A:ASN:H	1:44:A:THR:H	7	1.56
(1,1414)	1:47:A:GLN:H	1:44:A:THR:HB	5	1.56
(1,1412)	1:47:A:GLN:H	1:43:A:ALA:HA	8	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG2	12	1.56
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG3	12	1.56
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG2	12	1.56
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG3	12	1.56
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG2	12	1.56
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG3	12	1.56
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG21	2	1.56
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG22	2	1.56
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG23	2	1.56
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB1	10	1.56
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB2	10	1.56
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB3	10	1.56
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB1	11	1.56
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB2	11	1.56
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB3	11	1.56
(1,1352)	1:35:A:TRP:HE3	1:32:A:VAL:HA	1	1.56
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB2	2	1.56
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB3	2	1.56
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG21	13	1.56
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG22	13	1.56
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG23	13	1.56
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG21	13	1.56
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG22	13	1.56
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG23	13	1.56
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG11	13	1.56
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG12	13	1.56
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG13	13	1.56
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG11	13	1.56
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG12	13	1.56
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG13	13	1.56
(1,1251)	1:9:A:LEU:HD11	1:11:A:LEU:H	8	1.56
(1,1251)	1:9:A:LEU:HD12	1:11:A:LEU:H	8	1.56
(1,1251)	1:9:A:LEU:HD13	1:11:A:LEU:H	8	1.56
(1,1251)	1:9:A:LEU:HD21	1:11:A:LEU:H	8	1.56
(1,1251)	1:9:A:LEU:HD22	1:11:A:LEU:H	8	1.56
(1,1251)	1:9:A:LEU:HD23	1:11:A:LEU:H	8	1.56
(1,1251)	1:9:A:LEU:HD11	1:11:A:LEU:H	11	1.56
(1,1251)	1:9:A:LEU:HD12	1:11:A:LEU:H	11	1.56
(1,1251)	1:9:A:LEU:HD13	1:11:A:LEU:H	11	1.56
(1,1251)	1:9:A:LEU:HD21	1:11:A:LEU:H	11	1.56
(1,1251)	1:9:A:LEU:HD22	1:11:A:LEU:H	11	1.56
(1,1251)	1:9:A:LEU:HD23	1:11:A:LEU:H	11	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD21	13	1.56
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD22	13	1.56
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD23	13	1.56
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD21	13	1.56
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD22	13	1.56
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD23	13	1.56
(1,2232)	1:101:A:PRO:HA	1:102:A:LEU:HG	2	1.55
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD1	5	1.55
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD2	5	1.55
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD1	6	1.55
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD2	6	1.55
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB2	15	1.55
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB3	15	1.55
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG21	11	1.55
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG22	11	1.55
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG23	11	1.55
(1,2084)	1:83:A:ASP:HA	1:86:A:ARG:HA	9	1.55
(1,2084)	1:83:A:ASP:HA	1:86:A:ARG:HA	13	1.55
(1,2084)	1:83:A:ASP:HA	1:86:A:ARG:HA	15	1.55
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE1	4	1.55
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE2	4	1.55
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE3	4	1.55
(1,2059)	1:81:A:SER:HA	1:82:A:MET:H	3	1.55
(1,2059)	1:81:A:SER:HA	1:82:A:MET:H	6	1.55
(1,2059)	1:81:A:SER:HA	1:82:A:MET:H	8	1.55
(1,2059)	1:81:A:SER:HA	1:82:A:MET:H	9	1.55
(1,2059)	1:81:A:SER:HA	1:82:A:MET:H	13	1.55
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG21	1	1.55
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG22	1	1.55
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG23	1	1.55
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG21	5	1.55
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG22	5	1.55
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG23	5	1.55
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG21	10	1.55
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG22	10	1.55
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG23	10	1.55
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG21	15	1.55
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG22	15	1.55
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG23	15	1.55
(1,2025)	1:77:A:GLU:HA	1:76:A:PRO:HB2	14	1.55
(1,2025)	1:77:A:GLU:HA	1:76:A:PRO:HB2	15	1.55
(1,2020)	1:76:A:PRO:HA	1:79:A:LYS:HB3	12	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1982)	1:73:A:ASN:HD21	1:69:A:ALA:HA	11	1.55
(1,1982)	1:73:A:ASN:HD22	1:69:A:ALA:HA	11	1.55
(1,1968)	1:70:A:SER:HB2	1:74:A:LEU:HG	11	1.55
(1,1968)	1:70:A:SER:HB3	1:74:A:LEU:HG	11	1.55
(1,1910)	1:64:A:LYS:H	1:62:A:SER:H	9	1.55
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG11	8	1.55
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG12	8	1.55
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG13	8	1.55
(1,1900)	1:63:A:LEU:HG	1:62:A:SER:HB3	13	1.55
(1,1898)	1:63:A:LEU:H	1:61:A:ASP:H	15	1.55
(1,1890)	1:62:A:SER:H	1:60:A:GLN:H	4	1.55
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD21	10	1.55
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD22	10	1.55
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD23	10	1.55
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD21	14	1.55
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD22	14	1.55
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD23	14	1.55
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD1	14	1.55
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD2	14	1.55
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG21	13	1.55
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG22	13	1.55
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG23	13	1.55
(1,1824)	1:46:A:VAL:H	1:48:A:ASN:H	5	1.55
(1,1798)	1:43:A:ALA:HA	1:44:A:THR:H	15	1.55
(1,1780)	1:40:A:ARG:H	1:42:A:LEU:H	7	1.55
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG2	1	1.55
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG3	1	1.55
(1,1756)	1:35:A:TRP:H	1:36:A:ILE:HA	2	1.55
(1,1756)	1:35:A:TRP:H	1:36:A:ILE:HA	4	1.55
(1,1756)	1:35:A:TRP:H	1:36:A:ILE:HA	5	1.55
(1,1756)	1:35:A:TRP:H	1:36:A:ILE:HA	7	1.55
(1,1756)	1:35:A:TRP:H	1:36:A:ILE:HA	9	1.55
(1,1756)	1:35:A:TRP:H	1:36:A:ILE:HA	10	1.55
(1,1756)	1:35:A:TRP:H	1:36:A:ILE:HA	14	1.55
(1,1756)	1:35:A:TRP:H	1:36:A:ILE:HA	15	1.55
(1,1743)	1:31:A:THR:HA	1:34:A:GLY:H	5	1.55
(1,1743)	1:31:A:THR:HA	1:34:A:GLY:H	8	1.55
(1,1743)	1:31:A:THR:HA	1:34:A:GLY:H	13	1.55
(1,1743)	1:31:A:THR:HA	1:34:A:GLY:H	15	1.55
(1,1620)	1:9:A:LEU:HA	1:12:A:VAL:H	2	1.55
(1,1595)	1:6:A:PHE:HB2	1:7:A:SER:H	15	1.55
(1,1593)	1:6:A:PHE:HB3	1:7:A:SER:H	5	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1591)	1:6:A:PHE:H	1:5:A:GLY:HA3	7	1.55
(1,1580)	1:4:A:ILE:H	1:5:A:GLY:H	2	1.55
(1,1580)	1:4:A:ILE:H	1:5:A:GLY:H	4	1.55
(1,1580)	1:4:A:ILE:H	1:5:A:GLY:H	6	1.55
(1,1580)	1:4:A:ILE:H	1:5:A:GLY:H	10	1.55
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB1	5	1.55
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB2	5	1.55
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB3	5	1.55
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD11	15	1.55
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD12	15	1.55
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD13	15	1.55
(1,1448)	1:65:A:LYS:HA	1:67:A:GLU:H	11	1.55
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG2	3	1.55
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG3	3	1.55
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG2	7	1.55
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG3	7	1.55
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB2	12	1.55
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB3	12	1.55
(1,1420)	1:48:A:ASN:H	1:44:A:THR:H	6	1.55
(1,1386)	1:42:A:LEU:HD11	1:39:A:LEU:H	11	1.55
(1,1386)	1:42:A:LEU:HD12	1:39:A:LEU:H	11	1.55
(1,1386)	1:42:A:LEU:HD13	1:39:A:LEU:H	11	1.55
(1,1386)	1:42:A:LEU:HD21	1:39:A:LEU:H	11	1.55
(1,1386)	1:42:A:LEU:HD22	1:39:A:LEU:H	11	1.55
(1,1386)	1:42:A:LEU:HD23	1:39:A:LEU:H	11	1.55
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD21	12	1.55
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD22	12	1.55
(1,1312)	1:21:A:GLY:H	1:20:A:LEU:HD23	12	1.55
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD11	1	1.55
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD12	1	1.55
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD13	1	1.55
(1,1254)	1:10:A:LEU:H	1:9:A:LEU:HG	11	1.55
(1,1254)	1:10:A:LEU:H	1:9:A:LEU:HG	12	1.55
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB2	3	1.55
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB3	3	1.55
(1,1251)	1:9:A:LEU:HD11	1:11:A:LEU:H	12	1.55
(1,1251)	1:9:A:LEU:HD12	1:11:A:LEU:H	12	1.55
(1,1251)	1:9:A:LEU:HD13	1:11:A:LEU:H	12	1.55
(1,1251)	1:9:A:LEU:HD21	1:11:A:LEU:H	12	1.55
(1,1251)	1:9:A:LEU:HD22	1:11:A:LEU:H	12	1.55
(1,1251)	1:9:A:LEU:HD23	1:11:A:LEU:H	12	1.55
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD11	12	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD12	12	1.55
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD13	12	1.55
(1,893)	1:65:A:LYS:HB2	1:68:A:LYS:H	11	1.55
(1,893)	1:65:A:LYS:HB2	1:68:A:LYS:H	14	1.55
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB1	4	1.54
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB2	4	1.54
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB3	4	1.54
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD1	2	1.54
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD2	2	1.54
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG11	7	1.54
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG12	7	1.54
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG13	7	1.54
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD1	8	1.54
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD2	8	1.54
(1,2175)	1:94:A:ARG:HG3	1:95:A:SER:H	10	1.54
(1,2084)	1:83:A:ASP:HA	1:86:A:ARG:HA	1	1.54
(1,2084)	1:83:A:ASP:HA	1:86:A:ARG:HA	2	1.54
(1,2084)	1:83:A:ASP:HA	1:86:A:ARG:HA	4	1.54
(1,2075)	1:82:A:MET:HA	1:86:A:ARG:H	14	1.54
(1,2071)	1:82:A:MET:H	1:83:A:ASP:HB2	12	1.54
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE1	10	1.54
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE2	10	1.54
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE3	10	1.54
(1,2041)	1:79:A:LYS:H	1:75:A:THR:H	5	1.54
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB1	6	1.54
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB2	6	1.54
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB3	6	1.54
(1,2025)	1:77:A:GLU:HA	1:76:A:PRO:HB2	4	1.54
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE2	2	1.54
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE3	2	1.54
(1,1932)	1:65:A:LYS:HA	1:68:A:LYS:H	5	1.54
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD21	7	1.54
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD22	7	1.54
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD23	7	1.54
(1,1910)	1:64:A:LYS:H	1:62:A:SER:H	5	1.54
(1,1836)	1:48:A:ASN:HA	1:52:A:GLN:HE21	12	1.54
(1,1804)	1:45:A:THR:H	1:42:A:LEU:H	4	1.54
(1,1756)	1:35:A:TRP:H	1:36:A:ILE:HA	1	1.54
(1,1756)	1:35:A:TRP:H	1:36:A:ILE:HA	11	1.54
(1,1743)	1:31:A:THR:HA	1:34:A:GLY:H	4	1.54
(1,1712)	1:25:A:LEU:H	1:23:A:GLN:H	2	1.54
(1,1613)	1:8:A:GLU:HB2	1:7:A:SER:H	1	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1613)	1:8:A:GLU:HB2	1:7:A:SER:H	2	1.54
(1,1613)	1:8:A:GLU:HB2	1:7:A:SER:H	13	1.54
(1,1600)	1:6:A:PHE:HA	1:9:A:LEU:H	7	1.54
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG21	9	1.54
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG22	9	1.54
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG23	9	1.54
(1,1533)	1:97:A:VAL:H	1:98:A:ALA:H	4	1.54
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD1	5	1.54
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD2	5	1.54
(1,1531)	1:96:A:TYR:HB2	1:98:A:ALA:H	6	1.54
(1,1531)	1:96:A:TYR:HB3	1:98:A:ALA:H	6	1.54
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB1	11	1.54
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB2	11	1.54
(1,1520)	1:93:A:LYS:H	1:89:A:ALA:HB3	11	1.54
(1,1488)	1:80:A:ALA:H	1:83:A:ASP:H	3	1.54
(1,1488)	1:80:A:ALA:H	1:83:A:ASP:H	4	1.54
(1,1488)	1:80:A:ALA:H	1:83:A:ASP:H	9	1.54
(1,1488)	1:80:A:ALA:H	1:83:A:ASP:H	13	1.54
(1,1488)	1:80:A:ALA:H	1:83:A:ASP:H	15	1.54
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG21	7	1.54
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG22	7	1.54
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG23	7	1.54
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB2	6	1.54
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB3	6	1.54
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB2	7	1.54
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB3	7	1.54
(1,1414)	1:47:A:GLN:H	1:44:A:THR:HB	2	1.54
(1,1412)	1:47:A:GLN:H	1:43:A:ALA:HA	2	1.54
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB1	10	1.54
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB2	10	1.54
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB3	10	1.54
(1,1402)	1:45:A:THR:H	1:41:A:SER:HA	2	1.54
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG2	13	1.54
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG3	13	1.54
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG2	13	1.54
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG3	13	1.54
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG2	13	1.54
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG3	13	1.54
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG21	11	1.54
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG22	11	1.54
(1,1376)	1:39:A:LEU:HB3	1:36:A:ILE:HG23	11	1.54
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB1	4	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB2	4	1.54
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB3	4	1.54
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB1	5	1.54
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB2	5	1.54
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB3	5	1.54
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB1	7	1.54
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB2	7	1.54
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB3	7	1.54
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG21	5	1.54
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG22	5	1.54
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG23	5	1.54
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG21	5	1.54
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG22	5	1.54
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG23	5	1.54
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG11	5	1.54
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG12	5	1.54
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG13	5	1.54
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG11	5	1.54
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG12	5	1.54
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG13	5	1.54
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD11	6	1.54
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD12	6	1.54
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD13	6	1.54
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD21	6	1.54
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD22	6	1.54
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD23	6	1.54
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD11	1	1.54
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD12	1	1.54
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD13	1	1.54
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD11	2	1.54
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD12	2	1.54
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD13	2	1.54
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD11	9	1.54
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD12	9	1.54
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD13	9	1.54
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD11	13	1.54
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD12	13	1.54
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD13	13	1.54
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD21	1	1.54
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD22	1	1.54
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD23	1	1.54
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD21	1	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD22	1	1.54
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD23	1	1.54
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD11	9	1.53
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD12	9	1.53
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD13	9	1.53
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB2	12	1.53
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB3	12	1.53
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG21	12	1.53
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG22	12	1.53
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG23	12	1.53
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG3	6	1.53
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG2	6	1.53
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG3	15	1.53
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG2	15	1.53
(1,2071)	1:82:A:MET:H	1:83:A:ASP:HB2	4	1.53
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE1	1	1.53
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE2	1	1.53
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE3	1	1.53
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE1	5	1.53
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE2	5	1.53
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE3	5	1.53
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG21	2	1.53
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG22	2	1.53
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG23	2	1.53
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG21	11	1.53
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG22	11	1.53
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG23	11	1.53
(1,2025)	1:77:A:GLU:HA	1:76:A:PRO:HB2	6	1.53
(1,2025)	1:77:A:GLU:HA	1:76:A:PRO:HB2	8	1.53
(1,1982)	1:73:A:ASN:HD21	1:69:A:ALA:HA	1	1.53
(1,1982)	1:73:A:ASN:HD22	1:69:A:ALA:HA	1	1.53
(1,1982)	1:73:A:ASN:HD21	1:69:A:ALA:HA	4	1.53
(1,1982)	1:73:A:ASN:HD22	1:69:A:ALA:HA	4	1.53
(1,1982)	1:73:A:ASN:HD21	1:69:A:ALA:HA	10	1.53
(1,1982)	1:73:A:ASN:HD22	1:69:A:ALA:HA	10	1.53
(1,1982)	1:73:A:ASN:HD21	1:69:A:ALA:HA	12	1.53
(1,1982)	1:73:A:ASN:HD22	1:69:A:ALA:HA	12	1.53
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB1	3	1.53
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB2	3	1.53
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB3	3	1.53
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB1	9	1.53
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB2	9	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB3	9	1.53
(1,1932)	1:65:A:LYS:HA	1:68:A:LYS:H	7	1.53
(1,1922)	1:65:A:LYS:H	1:63:A:LEU:HA	4	1.53
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD21	6	1.53
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD22	6	1.53
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD23	6	1.53
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG2	2	1.53
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG3	2	1.53
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG2	4	1.53
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG3	4	1.53
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG2	5	1.53
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG3	5	1.53
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG11	5	1.53
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG12	5	1.53
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG13	5	1.53
(1,1824)	1:46:A:VAL:H	1:48:A:ASN:H	2	1.53
(1,1824)	1:46:A:VAL:H	1:48:A:ASN:H	8	1.53
(1,1824)	1:46:A:VAL:H	1:48:A:ASN:H	9	1.53
(1,1787)	1:42:A:LEU:HD11	1:43:A:ALA:H	12	1.53
(1,1787)	1:42:A:LEU:HD12	1:43:A:ALA:H	12	1.53
(1,1787)	1:42:A:LEU:HD13	1:43:A:ALA:H	12	1.53
(1,1787)	1:42:A:LEU:HD21	1:43:A:ALA:H	12	1.53
(1,1787)	1:42:A:LEU:HD22	1:43:A:ALA:H	12	1.53
(1,1787)	1:42:A:LEU:HD23	1:43:A:ALA:H	12	1.53
(1,1780)	1:40:A:ARG:H	1:42:A:LEU:H	12	1.53
(1,1613)	1:8:A:GLU:HB2	1:7:A:SER:H	4	1.53
(1,1613)	1:8:A:GLU:HB2	1:7:A:SER:H	9	1.53
(1,1613)	1:8:A:GLU:HB2	1:7:A:SER:H	10	1.53
(1,1613)	1:8:A:GLU:HB2	1:7:A:SER:H	14	1.53
(1,1593)	1:6:A:PHE:HB3	1:7:A:SER:H	6	1.53
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD1	2	1.53
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD2	2	1.53
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD1	6	1.53
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD2	6	1.53
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD1	7	1.53
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD2	7	1.53
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD1	11	1.53
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD2	11	1.53
(1,1477)	1:75:A:THR:H	1:74:A:LEU:HG	8	1.53
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD11	6	1.53
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD12	6	1.53
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD13	6	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD11	8	1.53
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD12	8	1.53
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD13	8	1.53
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG21	5	1.53
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG22	5	1.53
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG23	5	1.53
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD11	3	1.53
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD12	3	1.53
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD13	3	1.53
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD21	3	1.53
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD22	3	1.53
(1,1460)	1:69:A:ALA:HA	1:74:A:LEU:HD23	3	1.53
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG2	3	1.53
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG3	3	1.53
(1,1432)	1:56:A:LEU:HB2	1:60:A:GLN:HB2	3	1.53
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB2	3	1.53
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB3	3	1.53
(1,1422)	1:48:A:ASN:H	1:44:A:THR:HB	13	1.53
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG21	4	1.53
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG22	4	1.53
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG23	4	1.53
(1,1407)	1:45:A:THR:HA	1:47:A:GLN:H	10	1.53
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB2	15	1.53
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB3	15	1.53
(1,1402)	1:45:A:THR:H	1:41:A:SER:HA	12	1.53
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB1	8	1.53
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB2	8	1.53
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB3	8	1.53
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB1	13	1.53
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB2	13	1.53
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB3	13	1.53
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB1	15	1.53
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB2	15	1.53
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB3	15	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD11	1	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD12	1	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD13	1	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD11	2	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD12	2	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD13	2	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD11	3	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD12	3	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD13	3	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD11	6	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD12	6	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD13	6	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD11	7	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD12	7	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD13	7	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD11	9	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD12	9	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD13	9	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD11	10	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD12	10	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD13	10	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD11	11	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD12	11	1.53
(1,1359)	1:35:A:TRP:H	1:36:A:ILE:HD13	11	1.53
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG21	12	1.53
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG22	12	1.53
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG23	12	1.53
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG21	12	1.53
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG22	12	1.53
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG23	12	1.53
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD11	12	1.53
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD12	12	1.53
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD13	12	1.53
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG11	5	1.53
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG12	5	1.53
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG13	5	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD11	3	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD12	3	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD13	3	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD11	4	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD12	4	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD13	4	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD11	5	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD12	5	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD13	5	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD11	7	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD12	7	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD13	7	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD11	8	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD12	8	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD13	8	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD11	10	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD12	10	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD13	10	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD11	11	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD12	11	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD13	11	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD11	15	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD12	15	1.53
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD13	15	1.53
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD21	14	1.53
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD22	14	1.53
(1,916)	1:52:A:GLN:HB2	1:50:A:LEU:HD23	14	1.53
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD21	14	1.53
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD22	14	1.53
(1,916)	1:52:A:GLN:HB3	1:50:A:LEU:HD23	14	1.53
(4,138)	1:56:A:LEU:O	1:60:A:GLN:N	10	1.52
(1,2237)	1:102:A:LEU:H	1:103:A:GLU:HA	3	1.52
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD1	2	1.52
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD2	2	1.52
(1,2201)	1:97:A:VAL:H	1:94:A:ARG:HA	14	1.52
(1,2127)	1:87:A:GLN:HE21	1:83:A:ASP:HB3	2	1.52
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG3	1	1.52
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG2	1	1.52
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG3	9	1.52
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG2	9	1.52
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE1	2	1.52
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE2	2	1.52
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE3	2	1.52
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE1	11	1.52
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE2	11	1.52
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE3	11	1.52
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE1	12	1.52
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE2	12	1.52
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE3	12	1.52
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE1	14	1.52
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE2	14	1.52
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE3	14	1.52
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG21	12	1.52
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG22	12	1.52
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG23	12	1.52
(1,2025)	1:77:A:GLU:HA	1:76:A:PRO:HB2	3	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2025)	1:77:A:GLU:HA	1:76:A:PRO:HB2	9	1.52
(1,2025)	1:77:A:GLU:HA	1:76:A:PRO:HB2	13	1.52
(1,2020)	1:76:A:PRO:HA	1:79:A:LYS:HB3	1	1.52
(1,1982)	1:73:A:ASN:HD21	1:69:A:ALA:HA	2	1.52
(1,1982)	1:73:A:ASN:HD22	1:69:A:ALA:HA	2	1.52
(1,1982)	1:73:A:ASN:HD21	1:69:A:ALA:HA	6	1.52
(1,1982)	1:73:A:ASN:HD22	1:69:A:ALA:HA	6	1.52
(1,1982)	1:73:A:ASN:HD21	1:69:A:ALA:HA	8	1.52
(1,1982)	1:73:A:ASN:HD22	1:69:A:ALA:HA	8	1.52
(1,1982)	1:73:A:ASN:HD21	1:69:A:ALA:HA	14	1.52
(1,1982)	1:73:A:ASN:HD22	1:69:A:ALA:HA	14	1.52
(1,1932)	1:65:A:LYS:HA	1:68:A:LYS:H	15	1.52
(1,1912)	1:64:A:LYS:H	1:63:A:LEU:HG	6	1.52
(1,1900)	1:63:A:LEU:HG	1:62:A:SER:HB3	1	1.52
(1,1898)	1:63:A:LEU:H	1:61:A:ASP:H	8	1.52
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG2	15	1.52
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG3	15	1.52
(1,1833)	1:48:A:ASN:HA	1:49:A:GLU:HB2	1	1.52
(1,1687)	1:18:A:VAL:HB	1:19:A:VAL:H	12	1.52
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD11	15	1.52
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD12	15	1.52
(1,1562)	1:2:A:PHE:H	1:4:A:ILE:HD13	15	1.52
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE1	8	1.52
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE2	8	1.52
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE3	8	1.52
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE1	8	1.52
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE2	8	1.52
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE3	8	1.52
(1,1546)	1:2:A:PHE:HD1	1:1:A:MET:HA	8	1.52
(1,1546)	1:2:A:PHE:HD2	1:1:A:MET:HA	8	1.52
(1,1534)	1:97:A:VAL:H	1:98:A:ALA:HA	2	1.52
(1,1534)	1:97:A:VAL:H	1:98:A:ALA:HA	3	1.52
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD1	8	1.52
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD2	8	1.52
(1,1477)	1:75:A:THR:H	1:74:A:LEU:HG	6	1.52
(1,1470)	1:73:A:ASN:HB2	1:72:A:THR:H	14	1.52
(1,1470)	1:73:A:ASN:HB3	1:72:A:THR:H	14	1.52
(1,1468)	1:73:A:ASN:H	1:70:A:SER:HA	3	1.52
(1,1468)	1:73:A:ASN:H	1:70:A:SER:HA	15	1.52
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD11	15	1.52
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD12	15	1.52
(1,1466)	1:72:A:THR:HA	1:71:A:LEU:HD13	15	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG2	13	1.52
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG3	13	1.52
(1,1432)	1:56:A:LEU:HB2	1:60:A:GLN:HB2	4	1.52
(1,1432)	1:56:A:LEU:HB2	1:60:A:GLN:HB2	6	1.52
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB2	2	1.52
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB3	2	1.52
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB2	4	1.52
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB3	4	1.52
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB2	5	1.52
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB3	5	1.52
(1,1426)	1:50:A:LEU:H	1:51:A:THR:HA	2	1.52
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG21	6	1.52
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG22	6	1.52
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG23	6	1.52
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB1	2	1.52
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB2	2	1.52
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB3	2	1.52
(1,1402)	1:45:A:THR:H	1:41:A:SER:HA	13	1.52
(1,1391)	1:42:A:LEU:HD11	1:45:A:THR:H	3	1.52
(1,1391)	1:42:A:LEU:HD12	1:45:A:THR:H	3	1.52
(1,1391)	1:42:A:LEU:HD13	1:45:A:THR:H	3	1.52
(1,1391)	1:42:A:LEU:HD21	1:45:A:THR:H	3	1.52
(1,1391)	1:42:A:LEU:HD22	1:45:A:THR:H	3	1.52
(1,1391)	1:42:A:LEU:HD23	1:45:A:THR:H	3	1.52
(1,1352)	1:35:A:TRP:HE3	1:32:A:VAL:HA	2	1.52
(1,1352)	1:35:A:TRP:HE3	1:32:A:VAL:HA	11	1.52
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD11	9	1.52
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD12	9	1.52
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD13	9	1.52
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD1	7	1.52
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD2	7	1.52
(1,1251)	1:9:A:LEU:HD11	1:11:A:LEU:H	3	1.52
(1,1251)	1:9:A:LEU:HD12	1:11:A:LEU:H	3	1.52
(1,1251)	1:9:A:LEU:HD13	1:11:A:LEU:H	3	1.52
(1,1251)	1:9:A:LEU:HD21	1:11:A:LEU:H	3	1.52
(1,1251)	1:9:A:LEU:HD22	1:11:A:LEU:H	3	1.52
(1,1251)	1:9:A:LEU:HD23	1:11:A:LEU:H	3	1.52
(1,1251)	1:9:A:LEU:HD11	1:11:A:LEU:H	15	1.52
(1,1251)	1:9:A:LEU:HD12	1:11:A:LEU:H	15	1.52
(1,1251)	1:9:A:LEU:HD13	1:11:A:LEU:H	15	1.52
(1,1251)	1:9:A:LEU:HD21	1:11:A:LEU:H	15	1.52
(1,1251)	1:9:A:LEU:HD22	1:11:A:LEU:H	15	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1251)	1:9:A:LEU:HD23	1:11:A:LEU:H	15	1.52
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD11	10	1.51
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD12	10	1.51
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD13	10	1.51
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD21	10	1.51
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD22	10	1.51
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD23	10	1.51
(1,2245)	1:103:A:GLU:H	1:102:A:LEU:HB2	2	1.51
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD1	3	1.51
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD2	3	1.51
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG11	8	1.51
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG12	8	1.51
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG13	8	1.51
(1,2194)	1:96:A:TYR:HB2	1:97:A:VAL:H	8	1.51
(1,2168)	1:94:A:ARG:H	1:92:A:MET:HA	10	1.51
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG21	13	1.51
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG22	13	1.51
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG23	13	1.51
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG21	15	1.51
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG22	15	1.51
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG23	15	1.51
(1,2131)	1:87:A:GLN:HG2	1:88:A:ALA:H	6	1.51
(1,2131)	1:87:A:GLN:HG3	1:88:A:ALA:H	6	1.51
(1,2115)	1:86:A:ARG:HB2	1:83:A:ASP:HB2	11	1.51
(1,2115)	1:86:A:ARG:HB3	1:83:A:ASP:HB2	11	1.51
(1,2084)	1:83:A:ASP:HA	1:86:A:ARG:HA	10	1.51
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG21	7	1.51
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG22	7	1.51
(1,2035)	1:78:A:LEU:HG	1:75:A:THR:HG23	7	1.51
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG21	3	1.51
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG22	3	1.51
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG23	3	1.51
(1,1966)	1:70:A:SER:HA	1:72:A:THR:H	6	1.51
(1,1928)	1:65:A:LYS:HA	1:66:A:VAL:H	6	1.51
(1,1928)	1:65:A:LYS:HA	1:66:A:VAL:H	10	1.51
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG11	6	1.51
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG12	6	1.51
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG13	6	1.51
(1,1896)	1:63:A:LEU:H	1:60:A:GLN:HA	2	1.51
(1,1864)	1:55:A:LYS:H	1:54:A:LEU:HB2	7	1.51
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG21	10	1.51
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG22	10	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG23	10	1.51
(1,1831)	1:47:A:GLN:HG2	1:48:A:ASN:H	15	1.51
(1,1831)	1:47:A:GLN:HG3	1:48:A:ASN:H	15	1.51
(1,1830)	1:47:A:GLN:HA	1:48:A:ASN:H	5	1.51
(1,1809)	1:45:A:THR:HA	1:46:A:VAL:H	15	1.51
(1,1787)	1:42:A:LEU:HD11	1:43:A:ALA:H	5	1.51
(1,1787)	1:42:A:LEU:HD12	1:43:A:ALA:H	5	1.51
(1,1787)	1:42:A:LEU:HD13	1:43:A:ALA:H	5	1.51
(1,1787)	1:42:A:LEU:HD21	1:43:A:ALA:H	5	1.51
(1,1787)	1:42:A:LEU:HD22	1:43:A:ALA:H	5	1.51
(1,1787)	1:42:A:LEU:HD23	1:43:A:ALA:H	5	1.51
(1,1787)	1:42:A:LEU:HD11	1:43:A:ALA:H	8	1.51
(1,1787)	1:42:A:LEU:HD12	1:43:A:ALA:H	8	1.51
(1,1787)	1:42:A:LEU:HD13	1:43:A:ALA:H	8	1.51
(1,1787)	1:42:A:LEU:HD21	1:43:A:ALA:H	8	1.51
(1,1787)	1:42:A:LEU:HD22	1:43:A:ALA:H	8	1.51
(1,1787)	1:42:A:LEU:HD23	1:43:A:ALA:H	8	1.51
(1,1787)	1:42:A:LEU:HD11	1:43:A:ALA:H	10	1.51
(1,1787)	1:42:A:LEU:HD12	1:43:A:ALA:H	10	1.51
(1,1787)	1:42:A:LEU:HD13	1:43:A:ALA:H	10	1.51
(1,1787)	1:42:A:LEU:HD21	1:43:A:ALA:H	10	1.51
(1,1787)	1:42:A:LEU:HD22	1:43:A:ALA:H	10	1.51
(1,1787)	1:42:A:LEU:HD23	1:43:A:ALA:H	10	1.51
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG2	4	1.51
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG3	4	1.51
(1,1591)	1:6:A:PHE:H	1:5:A:GLY:HA3	11	1.51
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD11	12	1.51
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD12	12	1.51
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD13	12	1.51
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD11	12	1.51
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD12	12	1.51
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD13	12	1.51
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD11	12	1.51
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD12	12	1.51
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD13	12	1.51
(1,1540)	1:103:A:GLU:H	1:101:A:PRO:HA	13	1.51
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD1	13	1.51
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD2	13	1.51
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD1	14	1.51
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD2	14	1.51
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD1	15	1.51
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD2	15	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD11	7	1.51
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD12	7	1.51
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD13	7	1.51
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD21	7	1.51
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD22	7	1.51
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD23	7	1.51
(1,1470)	1:73:A:ASN:HB2	1:72:A:THR:H	4	1.51
(1,1470)	1:73:A:ASN:HB3	1:72:A:THR:H	4	1.51
(1,1412)	1:47:A:GLN:H	1:43:A:ALA:HA	5	1.51
(1,1402)	1:45:A:THR:H	1:41:A:SER:HA	6	1.51
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG2	1	1.51
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG3	1	1.51
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG2	1	1.51
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG3	1	1.51
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG2	1	1.51
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG3	1	1.51
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB1	12	1.51
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB2	12	1.51
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB3	12	1.51
(1,1352)	1:35:A:TRP:HE3	1:32:A:VAL:HA	10	1.51
(1,1304)	1:19:A:VAL:H	1:15:A:ILE:H	13	1.51
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD11	11	1.51
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD12	11	1.51
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD13	11	1.51
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD11	12	1.51
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD12	12	1.51
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD13	12	1.51
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB2	8	1.51
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB3	8	1.51
(1,1281)	1:15:A:ILE:HA	1:11:A:LEU:HG	1	1.51
(1,1281)	1:15:A:ILE:HA	1:11:A:LEU:HG	14	1.51
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD1	11	1.51
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD2	11	1.51
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD11	5	1.51
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD12	5	1.51
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD13	5	1.51
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD21	5	1.51
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD22	5	1.51
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD23	5	1.51
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD11	6	1.51
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD12	6	1.51
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD13	6	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD11	14	1.51
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD12	14	1.51
(1,933)	1:22:A:PRO:HA	1:20:A:LEU:HD13	14	1.51
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB1	5	1.5
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB2	5	1.5
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB3	5	1.5
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB1	7	1.5
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB2	7	1.5
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB3	7	1.5
(1,2198)	1:96:A:TYR:H	1:100:A:ASP:H	4	1.5
(1,2194)	1:96:A:TYR:HB2	1:97:A:VAL:H	3	1.5
(1,2131)	1:87:A:GLN:HG2	1:88:A:ALA:H	9	1.5
(1,2131)	1:87:A:GLN:HG3	1:88:A:ALA:H	9	1.5
(1,2131)	1:87:A:GLN:HG2	1:88:A:ALA:H	13	1.5
(1,2131)	1:87:A:GLN:HG3	1:88:A:ALA:H	13	1.5
(1,2115)	1:86:A:ARG:HB2	1:83:A:ASP:HB2	4	1.5
(1,2115)	1:86:A:ARG:HB3	1:83:A:ASP:HB2	4	1.5
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG3	2	1.5
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG2	2	1.5
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG3	4	1.5
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG2	4	1.5
(1,2084)	1:83:A:ASP:HA	1:86:A:ARG:HA	3	1.5
(1,2084)	1:83:A:ASP:HA	1:86:A:ARG:HA	8	1.5
(1,2075)	1:82:A:MET:HA	1:86:A:ARG:H	7	1.5
(1,2075)	1:82:A:MET:HA	1:86:A:ARG:H	12	1.5
(1,2041)	1:79:A:LYS:H	1:75:A:THR:H	2	1.5
(1,2026)	1:77:A:GLU:HG2	1:78:A:LEU:H	13	1.5
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG21	9	1.5
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG22	9	1.5
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG23	9	1.5
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB1	13	1.5
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB2	13	1.5
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB3	13	1.5
(1,1966)	1:70:A:SER:HA	1:72:A:THR:H	8	1.5
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE2	9	1.5
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE3	9	1.5
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD21	8	1.5
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD22	8	1.5
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD23	8	1.5
(1,1910)	1:64:A:LYS:H	1:62:A:SER:H	14	1.5
(1,1890)	1:62:A:SER:H	1:60:A:GLN:H	15	1.5
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD1	9	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD2	9	1.5
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG2	3	1.5
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG3	3	1.5
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG21	11	1.5
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG22	11	1.5
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG23	11	1.5
(1,1833)	1:48:A:ASN:HA	1:49:A:GLU:HB2	13	1.5
(1,1830)	1:47:A:GLN:HA	1:48:A:ASN:H	2	1.5
(1,1830)	1:47:A:GLN:HA	1:48:A:ASN:H	8	1.5
(1,1830)	1:47:A:GLN:HA	1:48:A:ASN:H	9	1.5
(1,1809)	1:45:A:THR:HA	1:46:A:VAL:H	3	1.5
(1,1780)	1:40:A:ARG:H	1:42:A:LEU:H	13	1.5
(1,1540)	1:103:A:GLU:H	1:101:A:PRO:HA	15	1.5
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD1	3	1.5
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD2	3	1.5
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD1	12	1.5
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD2	12	1.5
(1,1468)	1:73:A:ASN:H	1:70:A:SER:HA	9	1.5
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG2	14	1.5
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG3	14	1.5
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD2	6	1.5
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD3	6	1.5
(1,1425)	1:48:A:ASN:HA	1:51:A:THR:H	14	1.5
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG21	7	1.5
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG22	7	1.5
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG23	7	1.5
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB2	14	1.5
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB3	14	1.5
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG2	4	1.5
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG3	4	1.5
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB1	14	1.5
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB2	14	1.5
(1,1366)	1:35:A:TRP:HE3	1:38:A:ALA:HB3	14	1.5
(1,1352)	1:35:A:TRP:HE3	1:32:A:VAL:HA	3	1.5
(1,1352)	1:35:A:TRP:HE3	1:32:A:VAL:HA	6	1.5
(1,1352)	1:35:A:TRP:HE3	1:32:A:VAL:HA	7	1.5
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD11	9	1.5
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD12	9	1.5
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD13	9	1.5
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB2	1	1.5
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB3	1	1.5
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB2	3	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB3	3	1.5
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB2	4	1.5
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB3	4	1.5
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB2	7	1.5
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB3	7	1.5
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB2	10	1.5
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB3	10	1.5
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB2	14	1.5
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB3	14	1.5
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB2	15	1.5
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB3	15	1.5
(1,1281)	1:15:A:ILE:HA	1:11:A:LEU:HG	4	1.5
(1,1281)	1:15:A:ILE:HA	1:11:A:LEU:HG	13	1.5
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB2	5	1.5
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB3	5	1.5
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB2	6	1.5
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB3	6	1.5
(1,1251)	1:9:A:LEU:HD11	1:11:A:LEU:H	7	1.5
(1,1251)	1:9:A:LEU:HD12	1:11:A:LEU:H	7	1.5
(1,1251)	1:9:A:LEU:HD13	1:11:A:LEU:H	7	1.5
(1,1251)	1:9:A:LEU:HD21	1:11:A:LEU:H	7	1.5
(1,1251)	1:9:A:LEU:HD22	1:11:A:LEU:H	7	1.5
(1,1251)	1:9:A:LEU:HD23	1:11:A:LEU:H	7	1.5
(1,2242)	1:103:A:GLU:HG3	1:102:A:LEU:HA	2	1.49
(1,2233)	1:101:A:PRO:HB2	1:102:A:LEU:H	11	1.49
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD1	3	1.49
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD2	3	1.49
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE1	2	1.49
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE2	2	1.49
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE3	2	1.49
(1,2131)	1:87:A:GLN:HG2	1:88:A:ALA:H	1	1.49
(1,2131)	1:87:A:GLN:HG3	1:88:A:ALA:H	1	1.49
(1,2131)	1:87:A:GLN:HG2	1:88:A:ALA:H	4	1.49
(1,2131)	1:87:A:GLN:HG3	1:88:A:ALA:H	4	1.49
(1,2131)	1:87:A:GLN:HG2	1:88:A:ALA:H	15	1.49
(1,2131)	1:87:A:GLN:HG3	1:88:A:ALA:H	15	1.49
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB1	7	1.49
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB2	7	1.49
(1,2091)	1:84:A:GLU:H	1:80:A:ALA:HB3	7	1.49
(1,2084)	1:83:A:ASP:HA	1:86:A:ARG:HA	5	1.49
(1,2084)	1:83:A:ASP:HA	1:86:A:ARG:HA	11	1.49
(1,2084)	1:83:A:ASP:HA	1:86:A:ARG:HA	12	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2041)	1:79:A:LYS:H	1:75:A:THR:H	11	1.49
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG21	13	1.49
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG22	13	1.49
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG23	13	1.49
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG21	13	1.49
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG22	13	1.49
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG23	13	1.49
(1,1978)	1:71:A:LEU:HD21	1:72:A:THR:H	9	1.49
(1,1978)	1:71:A:LEU:HD22	1:72:A:THR:H	9	1.49
(1,1978)	1:71:A:LEU:HD23	1:72:A:THR:H	9	1.49
(1,1968)	1:70:A:SER:HB2	1:74:A:LEU:HG	5	1.49
(1,1968)	1:70:A:SER:HB3	1:74:A:LEU:HG	5	1.49
(1,1968)	1:70:A:SER:HB2	1:74:A:LEU:HG	7	1.49
(1,1968)	1:70:A:SER:HB3	1:74:A:LEU:HG	7	1.49
(1,1953)	1:68:A:LYS:HG3	1:67:A:GLU:HB2	4	1.49
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD11	7	1.49
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD12	7	1.49
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD13	7	1.49
(1,1910)	1:64:A:LYS:H	1:62:A:SER:H	8	1.49
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG21	1	1.49
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG22	1	1.49
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG23	1	1.49
(1,1833)	1:48:A:ASN:HA	1:49:A:GLU:HB2	7	1.49
(1,1830)	1:47:A:GLN:HA	1:48:A:ASN:H	3	1.49
(1,1830)	1:47:A:GLN:HA	1:48:A:ASN:H	4	1.49
(1,1813)	1:45:A:THR:H	1:47:A:GLN:H	9	1.49
(1,1809)	1:45:A:THR:HA	1:46:A:VAL:H	1	1.49
(1,1809)	1:45:A:THR:HA	1:46:A:VAL:H	2	1.49
(1,1809)	1:45:A:THR:HA	1:46:A:VAL:H	5	1.49
(1,1809)	1:45:A:THR:HA	1:46:A:VAL:H	12	1.49
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD11	9	1.49
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD12	9	1.49
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD13	9	1.49
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD21	9	1.49
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD22	9	1.49
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD23	9	1.49
(1,1662)	1:15:A:ILE:HG13	1:12:A:VAL:HA	1	1.49
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG11	5	1.49
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG12	5	1.49
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG13	5	1.49
(1,1613)	1:8:A:GLU:HB2	1:7:A:SER:H	11	1.49
(1,1593)	1:6:A:PHE:HB3	1:7:A:SER:H	3	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1586)	1:5:A:GLY:H	1:4:A:ILE:HG21	12	1.49
(1,1586)	1:5:A:GLY:H	1:4:A:ILE:HG22	12	1.49
(1,1586)	1:5:A:GLY:H	1:4:A:ILE:HG23	12	1.49
(1,1546)	1:2:A:PHE:HD1	1:1:A:MET:HA	1	1.49
(1,1546)	1:2:A:PHE:HD2	1:1:A:MET:HA	1	1.49
(1,1546)	1:2:A:PHE:HD1	1:1:A:MET:HA	3	1.49
(1,1546)	1:2:A:PHE:HD2	1:1:A:MET:HA	3	1.49
(1,1546)	1:2:A:PHE:HD1	1:1:A:MET:HA	5	1.49
(1,1546)	1:2:A:PHE:HD2	1:1:A:MET:HA	5	1.49
(1,1546)	1:2:A:PHE:HD1	1:1:A:MET:HA	9	1.49
(1,1546)	1:2:A:PHE:HD2	1:1:A:MET:HA	9	1.49
(1,1533)	1:97:A:VAL:H	1:98:A:ALA:H	10	1.49
(1,1528)	1:96:A:TYR:H	1:94:A:ARG:HA	8	1.49
(1,1407)	1:45:A:THR:HA	1:47:A:GLN:H	11	1.49
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB2	9	1.49
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB3	9	1.49
(1,1402)	1:45:A:THR:H	1:41:A:SER:HA	4	1.49
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB3	3	1.49
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB3	3	1.49
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB3	3	1.49
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB3	3	1.49
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB3	3	1.49
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB3	3	1.49
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB2	3	1.49
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB2	3	1.49
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB2	3	1.49
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB2	3	1.49
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB2	3	1.49
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB2	3	1.49
(1,1386)	1:42:A:LEU:HD11	1:39:A:LEU:H	9	1.49
(1,1386)	1:42:A:LEU:HD12	1:39:A:LEU:H	9	1.49
(1,1386)	1:42:A:LEU:HD13	1:39:A:LEU:H	9	1.49
(1,1386)	1:42:A:LEU:HD21	1:39:A:LEU:H	9	1.49
(1,1386)	1:42:A:LEU:HD22	1:39:A:LEU:H	9	1.49
(1,1386)	1:42:A:LEU:HD23	1:39:A:LEU:H	9	1.49
(1,1352)	1:35:A:TRP:HE3	1:32:A:VAL:HA	9	1.49
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD11	2	1.49
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD12	2	1.49
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD13	2	1.49
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB2	11	1.49
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB3	11	1.49
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG11	2	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG12	2	1.49
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG13	2	1.49
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG11	4	1.49
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG12	4	1.49
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG13	4	1.49
(1,2216)	1:98:A:ALA:HA	1:100:A:ASP:H	7	1.48
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD1	7	1.48
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD2	7	1.48
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD11	9	1.48
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD12	9	1.48
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD13	9	1.48
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD11	9	1.48
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD12	9	1.48
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD13	9	1.48
(1,2194)	1:96:A:TYR:HB2	1:97:A:VAL:H	6	1.48
(1,2186)	1:96:A:TYR:HA	1:95:A:SER:H	9	1.48
(1,2168)	1:94:A:ARG:H	1:92:A:MET:HA	11	1.48
(1,2160)	1:93:A:LYS:HA	1:94:A:ARG:H	1	1.48
(1,2160)	1:93:A:LYS:HA	1:94:A:ARG:H	14	1.48
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD2	14	1.48
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD3	14	1.48
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG3	11	1.48
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG2	11	1.48
(1,2075)	1:82:A:MET:HA	1:86:A:ARG:H	8	1.48
(1,2041)	1:79:A:LYS:H	1:75:A:THR:H	8	1.48
(1,2041)	1:79:A:LYS:H	1:75:A:THR:H	10	1.48
(1,2041)	1:79:A:LYS:H	1:75:A:THR:H	12	1.48
(1,2026)	1:77:A:GLU:HG2	1:78:A:LEU:H	4	1.48
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD11	7	1.48
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD12	7	1.48
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD13	7	1.48
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD21	9	1.48
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD22	9	1.48
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD23	9	1.48
(1,1864)	1:55:A:LYS:H	1:54:A:LEU:HB2	6	1.48
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG21	1	1.48
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG22	1	1.48
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG23	1	1.48
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG21	1	1.48
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG22	1	1.48
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG23	1	1.48
(1,1838)	1:50:A:LEU:HA	1:51:A:THR:H	3	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1838)	1:50:A:LEU:HA	1:51:A:THR:H	4	1.48
(1,1838)	1:50:A:LEU:HA	1:51:A:THR:H	5	1.48
(1,1838)	1:50:A:LEU:HA	1:51:A:THR:H	6	1.48
(1,1830)	1:47:A:GLN:HA	1:48:A:ASN:H	6	1.48
(1,1813)	1:45:A:THR:H	1:47:A:GLN:H	8	1.48
(1,1809)	1:45:A:THR:HA	1:46:A:VAL:H	4	1.48
(1,1809)	1:45:A:THR:HA	1:46:A:VAL:H	6	1.48
(1,1809)	1:45:A:THR:HA	1:46:A:VAL:H	7	1.48
(1,1809)	1:45:A:THR:HA	1:46:A:VAL:H	8	1.48
(1,1809)	1:45:A:THR:HA	1:46:A:VAL:H	9	1.48
(1,1782)	1:40:A:ARG:HG3	1:44:A:THR:HB	3	1.48
(1,1780)	1:40:A:ARG:H	1:42:A:LEU:H	14	1.48
(1,1613)	1:8:A:GLU:HB2	1:7:A:SER:H	7	1.48
(1,1593)	1:6:A:PHE:HB3	1:7:A:SER:H	1	1.48
(1,1593)	1:6:A:PHE:HB3	1:7:A:SER:H	4	1.48
(1,1593)	1:6:A:PHE:HB3	1:7:A:SER:H	9	1.48
(1,1593)	1:6:A:PHE:HB3	1:7:A:SER:H	13	1.48
(1,1593)	1:6:A:PHE:HB3	1:7:A:SER:H	14	1.48
(1,1552)	1:2:A:PHE:H	1:3:A:ASP:HB2	7	1.48
(1,1540)	1:103:A:GLU:H	1:101:A:PRO:HA	2	1.48
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD1	1	1.48
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD2	1	1.48
(1,1510)	1:88:A:ALA:H	1:86:A:ARG:H	13	1.48
(1,1448)	1:65:A:LYS:HA	1:67:A:GLU:H	5	1.48
(1,1435)	1:57:A:GLN:HG2	1:61:A:ASP:H	2	1.48
(1,1435)	1:57:A:GLN:HG3	1:61:A:ASP:H	2	1.48
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB2	15	1.48
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB3	15	1.48
(1,1422)	1:48:A:ASN:H	1:44:A:THR:HB	1	1.48
(1,1420)	1:48:A:ASN:H	1:44:A:THR:H	11	1.48
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG21	10	1.48
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG22	10	1.48
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG23	10	1.48
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG21	10	1.48
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG22	10	1.48
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG23	10	1.48
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB2	13	1.48
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB3	13	1.48
(1,1402)	1:45:A:THR:H	1:41:A:SER:HA	3	1.48
(1,1402)	1:45:A:THR:H	1:41:A:SER:HA	14	1.48
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD11	2	1.48
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD12	2	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD13	2	1.48
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD11	5	1.48
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD12	5	1.48
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD13	5	1.48
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD11	6	1.48
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD12	6	1.48
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD13	6	1.48
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB2	5	1.48
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB3	5	1.48
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB2	6	1.48
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB3	6	1.48
(1,1281)	1:15:A:ILE:HA	1:11:A:LEU:HG	2	1.48
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG21	1	1.48
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG22	1	1.48
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG23	1	1.48
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG21	1	1.48
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG22	1	1.48
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG23	1	1.48
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD21	5	1.47
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD22	5	1.47
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD23	5	1.47
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB2	2	1.47
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB3	2	1.47
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB1	8	1.47
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB2	8	1.47
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB3	8	1.47
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB1	8	1.47
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB2	8	1.47
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB3	8	1.47
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG11	4	1.47
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG12	4	1.47
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG13	4	1.47
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE1	4	1.47
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE2	4	1.47
(1,2194)	1:96:A:TYR:HB2	1:97:A:VAL:H	5	1.47
(1,2168)	1:94:A:ARG:H	1:92:A:MET:HA	12	1.47
(1,2131)	1:87:A:GLN:HG2	1:88:A:ALA:H	2	1.47
(1,2131)	1:87:A:GLN:HG3	1:88:A:ALA:H	2	1.47
(1,2115)	1:86:A:ARG:HB2	1:83:A:ASP:HB2	12	1.47
(1,2115)	1:86:A:ARG:HB3	1:83:A:ASP:HB2	12	1.47
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG3	3	1.47
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG2	3	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG3	10	1.47
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG2	10	1.47
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE1	7	1.47
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE2	7	1.47
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE3	7	1.47
(1,2030)	1:77:A:GLU:HA	1:79:A:LYS:H	4	1.47
(1,2028)	1:77:A:GLU:HG3	1:78:A:LEU:H	13	1.47
(1,1978)	1:71:A:LEU:HD21	1:72:A:THR:H	3	1.47
(1,1978)	1:71:A:LEU:HD22	1:72:A:THR:H	3	1.47
(1,1978)	1:71:A:LEU:HD23	1:72:A:THR:H	3	1.47
(1,1966)	1:70:A:SER:HA	1:72:A:THR:H	1	1.47
(1,1966)	1:70:A:SER:HA	1:72:A:THR:H	2	1.47
(1,1966)	1:70:A:SER:HA	1:72:A:THR:H	12	1.47
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG21	14	1.47
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG22	14	1.47
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG23	14	1.47
(1,1922)	1:65:A:LYS:H	1:63:A:LEU:HA	14	1.47
(1,1920)	1:65:A:LYS:H	1:63:A:LEU:H	6	1.47
(1,1910)	1:64:A:LYS:H	1:62:A:SER:H	12	1.47
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD1	6	1.47
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD2	6	1.47
(1,1864)	1:55:A:LYS:H	1:54:A:LEU:HB2	3	1.47
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG2	7	1.47
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG3	7	1.47
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG21	13	1.47
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG22	13	1.47
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG23	13	1.47
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG21	13	1.47
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG22	13	1.47
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG23	13	1.47
(1,1838)	1:50:A:LEU:HA	1:51:A:THR:H	7	1.47
(1,1833)	1:48:A:ASN:HA	1:49:A:GLU:HB2	6	1.47
(1,1833)	1:48:A:ASN:HA	1:49:A:GLU:HB2	9	1.47
(1,1809)	1:45:A:THR:HA	1:46:A:VAL:H	13	1.47
(1,1809)	1:45:A:THR:HA	1:46:A:VAL:H	14	1.47
(1,1780)	1:40:A:ARG:H	1:42:A:LEU:H	15	1.47
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG2	2	1.47
(1,1772)	1:38:A:ALA:H	1:37:A:ARG:HG3	2	1.47
(1,1689)	1:20:A:LEU:H	1:18:A:VAL:HA	11	1.47
(1,1687)	1:18:A:VAL:HB	1:19:A:VAL:H	13	1.47
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD11	11	1.47
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD12	11	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD13	11	1.47
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD21	11	1.47
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD22	11	1.47
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD23	11	1.47
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG11	12	1.47
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG12	12	1.47
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG13	12	1.47
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG21	3	1.47
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG22	3	1.47
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG23	3	1.47
(1,1593)	1:6:A:PHE:HB3	1:7:A:SER:H	2	1.47
(1,1593)	1:6:A:PHE:HB3	1:7:A:SER:H	8	1.47
(1,1593)	1:6:A:PHE:HB3	1:7:A:SER:H	10	1.47
(1,1552)	1:2:A:PHE:H	1:3:A:ASP:HB2	13	1.47
(1,1510)	1:88:A:ALA:H	1:86:A:ARG:H	12	1.47
(1,1468)	1:73:A:ASN:H	1:70:A:SER:HA	13	1.47
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG21	6	1.47
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG22	6	1.47
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG23	6	1.47
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG21	8	1.47
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG22	8	1.47
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG23	8	1.47
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB2	10	1.47
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB3	10	1.47
(1,1350)	1:35:A:TRP:HZ3	1:32:A:VAL:HA	4	1.47
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD11	15	1.47
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD12	15	1.47
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD13	15	1.47
(1,1281)	1:15:A:ILE:HA	1:11:A:LEU:HG	10	1.47
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG21	13	1.47
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG22	13	1.47
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG23	13	1.47
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG21	13	1.47
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG22	13	1.47
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG23	13	1.47
(1,1254)	1:10:A:LEU:H	1:9:A:LEU:HG	15	1.47
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD21	10	1.46
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD22	10	1.46
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD23	10	1.46
(1,2211)	1:97:A:VAL:H	1:100:A:ASP:H	4	1.46
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB1	9	1.46
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB2	9	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB3	9	1.46
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB1	9	1.46
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB2	9	1.46
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB3	9	1.46
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB1	9	1.46
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB2	9	1.46
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB3	9	1.46
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD1	12	1.46
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD2	12	1.46
(1,2168)	1:94:A:ARG:H	1:92:A:MET:HA	13	1.46
(1,2168)	1:94:A:ARG:H	1:92:A:MET:HA	15	1.46
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE1	9	1.46
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE2	9	1.46
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE3	9	1.46
(1,2131)	1:87:A:GLN:HG2	1:88:A:ALA:H	3	1.46
(1,2131)	1:87:A:GLN:HG3	1:88:A:ALA:H	3	1.46
(1,2131)	1:87:A:GLN:HG2	1:88:A:ALA:H	10	1.46
(1,2131)	1:87:A:GLN:HG3	1:88:A:ALA:H	10	1.46
(1,2131)	1:87:A:GLN:HG2	1:88:A:ALA:H	11	1.46
(1,2131)	1:87:A:GLN:HG3	1:88:A:ALA:H	11	1.46
(1,2093)	1:84:A:GLU:HB2	1:81:A:SER:HB3	7	1.46
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG3	5	1.46
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG2	5	1.46
(1,2075)	1:82:A:MET:HA	1:86:A:ARG:H	5	1.46
(1,2075)	1:82:A:MET:HA	1:86:A:ARG:H	10	1.46
(1,2075)	1:82:A:MET:HA	1:86:A:ARG:H	11	1.46
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE1	6	1.46
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE2	6	1.46
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE3	6	1.46
(1,2041)	1:79:A:LYS:H	1:75:A:THR:H	1	1.46
(1,2014)	1:76:A:PRO:HG2	1:75:A:THR:HA	4	1.46
(1,2014)	1:76:A:PRO:HG3	1:75:A:THR:HA	4	1.46
(1,2014)	1:76:A:PRO:HG2	1:75:A:THR:HA	14	1.46
(1,2014)	1:76:A:PRO:HG3	1:75:A:THR:HA	14	1.46
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG21	9	1.46
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG22	9	1.46
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG23	9	1.46
(1,1966)	1:70:A:SER:HA	1:72:A:THR:H	10	1.46
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG21	4	1.46
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG22	4	1.46
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG23	4	1.46
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG21	7	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG22	7	1.46
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG23	7	1.46
(1,1932)	1:65:A:LYS:HA	1:68:A:LYS:H	6	1.46
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD2	4	1.46
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD3	4	1.46
(1,1896)	1:63:A:LEU:H	1:60:A:GLN:HA	3	1.46
(1,1896)	1:63:A:LEU:H	1:60:A:GLN:HA	5	1.46
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD1	2	1.46
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD2	2	1.46
(1,1864)	1:55:A:LYS:H	1:54:A:LEU:HB2	4	1.46
(1,1838)	1:50:A:LEU:HA	1:51:A:THR:H	10	1.46
(1,1830)	1:47:A:GLN:HA	1:48:A:ASN:H	7	1.46
(1,1824)	1:46:A:VAL:H	1:48:A:ASN:H	3	1.46
(1,1809)	1:45:A:THR:HA	1:46:A:VAL:H	11	1.46
(1,1552)	1:2:A:PHE:H	1:3:A:ASP:HB2	1	1.46
(1,1552)	1:2:A:PHE:H	1:3:A:ASP:HB2	9	1.46
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD11	2	1.46
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD12	2	1.46
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD13	2	1.46
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD11	2	1.46
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD12	2	1.46
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD13	2	1.46
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD11	2	1.46
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD12	2	1.46
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD13	2	1.46
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD11	6	1.46
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD12	6	1.46
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD13	6	1.46
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD11	6	1.46
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD12	6	1.46
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD13	6	1.46
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD11	6	1.46
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD12	6	1.46
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD13	6	1.46
(1,1510)	1:88:A:ALA:H	1:86:A:ARG:H	1	1.46
(1,1510)	1:88:A:ALA:H	1:86:A:ARG:H	2	1.46
(1,1510)	1:88:A:ALA:H	1:86:A:ARG:H	6	1.46
(1,1510)	1:88:A:ALA:H	1:86:A:ARG:H	9	1.46
(1,1510)	1:88:A:ALA:H	1:86:A:ARG:H	15	1.46
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD2	4	1.46
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD3	4	1.46
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD11	11	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD12	11	1.46
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD13	11	1.46
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD21	11	1.46
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD22	11	1.46
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD23	11	1.46
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD11	10	1.46
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD12	10	1.46
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD13	10	1.46
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD11	14	1.46
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD12	14	1.46
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD13	14	1.46
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD11	3	1.46
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD12	3	1.46
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD13	3	1.46
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB2	1	1.46
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB3	1	1.46
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD21	11	1.45
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD22	11	1.45
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD23	11	1.45
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD1	13	1.45
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD2	13	1.45
(1,2194)	1:96:A:TYR:HB2	1:97:A:VAL:H	2	1.45
(1,2186)	1:96:A:TYR:HA	1:95:A:SER:H	1	1.45
(1,2186)	1:96:A:TYR:HA	1:95:A:SER:H	12	1.45
(1,2186)	1:96:A:TYR:HA	1:95:A:SER:H	13	1.45
(1,2186)	1:96:A:TYR:HA	1:95:A:SER:H	15	1.45
(1,2168)	1:94:A:ARG:H	1:92:A:MET:HA	7	1.45
(1,2160)	1:93:A:LYS:HA	1:94:A:ARG:H	12	1.45
(1,2131)	1:87:A:GLN:HG2	1:88:A:ALA:H	8	1.45
(1,2131)	1:87:A:GLN:HG3	1:88:A:ALA:H	8	1.45
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD2	13	1.45
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD3	13	1.45
(1,2026)	1:77:A:GLU:HG2	1:78:A:LEU:H	14	1.45
(1,2014)	1:76:A:PRO:HG2	1:75:A:THR:HA	6	1.45
(1,2014)	1:76:A:PRO:HG3	1:75:A:THR:HA	6	1.45
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG21	2	1.45
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG22	2	1.45
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG23	2	1.45
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG21	7	1.45
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG22	7	1.45
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG23	7	1.45
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG21	12	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG22	12	1.45
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG23	12	1.45
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG21	3	1.45
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG22	3	1.45
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG23	3	1.45
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD11	2	1.45
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD12	2	1.45
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD13	2	1.45
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD11	5	1.45
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD12	5	1.45
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD13	5	1.45
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG21	5	1.45
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG22	5	1.45
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG23	5	1.45
(1,1932)	1:65:A:LYS:HA	1:68:A:LYS:H	8	1.45
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD21	15	1.45
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD22	15	1.45
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD23	15	1.45
(1,1910)	1:64:A:LYS:H	1:62:A:SER:H	1	1.45
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD1	14	1.45
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD2	14	1.45
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD1	14	1.45
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD2	14	1.45
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD1	3	1.45
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD2	3	1.45
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG2	6	1.45
(1,1861)	1:55:A:LYS:H	1:53:A:GLU:HG3	6	1.45
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG2	11	1.45
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG3	11	1.45
(1,1838)	1:50:A:LEU:HA	1:51:A:THR:H	1	1.45
(1,1838)	1:50:A:LEU:HA	1:51:A:THR:H	9	1.45
(1,1833)	1:48:A:ASN:HA	1:49:A:GLU:HB2	8	1.45
(1,1830)	1:47:A:GLN:HA	1:48:A:ASN:H	1	1.45
(1,1830)	1:47:A:GLN:HA	1:48:A:ASN:H	13	1.45
(1,1809)	1:45:A:THR:HA	1:46:A:VAL:H	10	1.45
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG21	11	1.45
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG22	11	1.45
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG23	11	1.45
(1,1593)	1:6:A:PHE:HB3	1:7:A:SER:H	15	1.45
(1,1581)	1:4:A:ILE:HD11	1:5:A:GLY:H	11	1.45
(1,1581)	1:4:A:ILE:HD12	1:5:A:GLY:H	11	1.45
(1,1581)	1:4:A:ILE:HD13	1:5:A:GLY:H	11	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1552)	1:2:A:PHE:H	1:3:A:ASP:HB2	3	1.45
(1,1552)	1:2:A:PHE:H	1:3:A:ASP:HB2	5	1.45
(1,1552)	1:2:A:PHE:H	1:3:A:ASP:HB2	8	1.45
(1,1540)	1:103:A:GLU:H	1:101:A:PRO:HA	12	1.45
(1,1510)	1:88:A:ALA:H	1:86:A:ARG:H	4	1.45
(1,1510)	1:88:A:ALA:H	1:86:A:ARG:H	10	1.45
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD11	9	1.45
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD12	9	1.45
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD13	9	1.45
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD11	13	1.45
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD12	13	1.45
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD13	13	1.45
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB2	2	1.45
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB3	2	1.45
(1,1403)	1:45:A:THR:HB	1:41:A:SER:HA	5	1.45
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG2	11	1.45
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG3	11	1.45
(1,1304)	1:19:A:VAL:H	1:15:A:ILE:H	2	1.45
(1,1304)	1:19:A:VAL:H	1:15:A:ILE:H	5	1.45
(1,1304)	1:19:A:VAL:H	1:15:A:ILE:H	6	1.45
(1,1304)	1:19:A:VAL:H	1:15:A:ILE:H	12	1.45
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD11	4	1.45
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD12	4	1.45
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD13	4	1.45
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD11	7	1.45
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD12	7	1.45
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD13	7	1.45
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD11	10	1.45
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD12	10	1.45
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD13	10	1.45
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD11	14	1.45
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD12	14	1.45
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD13	14	1.45
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG21	9	1.45
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG22	9	1.45
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG23	9	1.45
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG21	9	1.45
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG22	9	1.45
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG23	9	1.45
(1,893)	1:65:A:LYS:HB2	1:68:A:LYS:H	6	1.45
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD21	8	1.44
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD22	8	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD23	8	1.44
(1,2245)	1:103:A:GLU:H	1:102:A:LEU:HB2	5	1.44
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB2	6	1.44
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB3	6	1.44
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB1	10	1.44
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB2	10	1.44
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB3	10	1.44
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD1	1	1.44
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD2	1	1.44
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD1	15	1.44
(1,2205)	1:97:A:VAL:HA	1:96:A:TYR:HD2	15	1.44
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE1	14	1.44
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE2	14	1.44
(1,2186)	1:96:A:TYR:HA	1:95:A:SER:H	5	1.44
(1,2186)	1:96:A:TYR:HA	1:95:A:SER:H	11	1.44
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE1	14	1.44
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE2	14	1.44
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE3	14	1.44
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE1	14	1.44
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE2	14	1.44
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE3	14	1.44
(1,2160)	1:93:A:LYS:HA	1:94:A:ARG:H	10	1.44
(1,2160)	1:93:A:LYS:HA	1:94:A:ARG:H	13	1.44
(1,2160)	1:93:A:LYS:HA	1:94:A:ARG:H	15	1.44
(1,2131)	1:87:A:GLN:HG2	1:88:A:ALA:H	12	1.44
(1,2131)	1:87:A:GLN:HG3	1:88:A:ALA:H	12	1.44
(1,2127)	1:87:A:GLN:HE21	1:83:A:ASP:HB3	5	1.44
(1,2075)	1:82:A:MET:HA	1:86:A:ARG:H	1	1.44
(1,2075)	1:82:A:MET:HA	1:86:A:ARG:H	2	1.44
(1,2075)	1:82:A:MET:HA	1:86:A:ARG:H	3	1.44
(1,2042)	1:79:A:LYS:H	1:77:A:GLU:H	6	1.44
(1,2030)	1:77:A:GLU:HA	1:79:A:LYS:H	14	1.44
(1,2028)	1:77:A:GLU:HG3	1:78:A:LEU:H	6	1.44
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG21	5	1.44
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG22	5	1.44
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG23	5	1.44
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD11	10	1.44
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD12	10	1.44
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD13	10	1.44
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD11	12	1.44
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD12	12	1.44
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD13	12	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1966)	1:70:A:SER:HA	1:72:A:THR:H	11	1.44
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE2	1	1.44
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE3	1	1.44
(1,1932)	1:65:A:LYS:HA	1:68:A:LYS:H	9	1.44
(1,1912)	1:64:A:LYS:H	1:63:A:LEU:HG	15	1.44
(1,1910)	1:64:A:LYS:H	1:62:A:SER:H	10	1.44
(1,1898)	1:63:A:LEU:H	1:61:A:ASP:H	12	1.44
(1,1898)	1:63:A:LEU:H	1:61:A:ASP:H	13	1.44
(1,1896)	1:63:A:LEU:H	1:60:A:GLN:HA	4	1.44
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD1	2	1.44
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD2	2	1.44
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD1	2	1.44
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD2	2	1.44
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD1	4	1.44
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD2	4	1.44
(1,1838)	1:50:A:LEU:HA	1:51:A:THR:H	8	1.44
(1,1838)	1:50:A:LEU:HA	1:51:A:THR:H	13	1.44
(1,1838)	1:50:A:LEU:HA	1:51:A:THR:H	14	1.44
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG21	9	1.44
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG22	9	1.44
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG23	9	1.44
(1,1833)	1:48:A:ASN:HA	1:49:A:GLU:HB2	5	1.44
(1,1813)	1:45:A:THR:H	1:47:A:GLN:H	1	1.44
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG21	5	1.44
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG22	5	1.44
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG23	5	1.44
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD11	5	1.44
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD12	5	1.44
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD13	5	1.44
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD21	5	1.44
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD22	5	1.44
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD23	5	1.44
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD11	6	1.44
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD12	6	1.44
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD13	6	1.44
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD21	6	1.44
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD22	6	1.44
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD23	6	1.44
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG21	9	1.44
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG22	9	1.44
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG23	9	1.44
(1,1613)	1:8:A:GLU:HB2	1:7:A:SER:H	6	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG13	5	1.44
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG12	5	1.44
(1,1598)	1:6:A:PHE:HD1	1:9:A:LEU:HB3	13	1.44
(1,1598)	1:6:A:PHE:HD2	1:9:A:LEU:HB3	13	1.44
(1,1533)	1:97:A:VAL:H	1:98:A:ALA:H	5	1.44
(1,1533)	1:97:A:VAL:H	1:98:A:ALA:H	6	1.44
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE1	1	1.44
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE2	1	1.44
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE3	1	1.44
(1,1510)	1:88:A:ALA:H	1:86:A:ARG:H	3	1.44
(1,1510)	1:88:A:ALA:H	1:86:A:ARG:H	7	1.44
(1,1510)	1:88:A:ALA:H	1:86:A:ARG:H	8	1.44
(1,1510)	1:88:A:ALA:H	1:86:A:ARG:H	11	1.44
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD11	8	1.44
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD12	8	1.44
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD13	8	1.44
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD2	2	1.44
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD3	2	1.44
(1,1441)	1:60:A:GLN:H	1:56:A:LEU:H	2	1.44
(1,1441)	1:60:A:GLN:H	1:56:A:LEU:H	10	1.44
(1,1409)	1:46:A:VAL:H	1:44:A:THR:HB	3	1.44
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB2	11	1.44
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB3	11	1.44
(1,1403)	1:45:A:THR:HB	1:41:A:SER:HA	10	1.44
(1,1402)	1:45:A:THR:H	1:41:A:SER:HA	1	1.44
(1,1396)	1:44:A:THR:H	1:42:A:LEU:HA	5	1.44
(1,1350)	1:35:A:TRP:HZ3	1:32:A:VAL:HA	5	1.44
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG21	9	1.44
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG22	9	1.44
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG23	9	1.44
(1,1304)	1:19:A:VAL:H	1:15:A:ILE:H	3	1.44
(1,1304)	1:19:A:VAL:H	1:15:A:ILE:H	4	1.44
(1,1304)	1:19:A:VAL:H	1:15:A:ILE:H	7	1.44
(1,1304)	1:19:A:VAL:H	1:15:A:ILE:H	8	1.44
(1,1304)	1:19:A:VAL:H	1:15:A:ILE:H	10	1.44
(1,1304)	1:19:A:VAL:H	1:15:A:ILE:H	14	1.44
(1,1304)	1:19:A:VAL:H	1:15:A:ILE:H	15	1.44
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD11	1	1.44
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD12	1	1.44
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD13	1	1.44
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD11	1	1.44
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD12	1	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD13	1	1.44
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD11	4	1.44
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD12	4	1.44
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD13	4	1.44
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD11	6	1.44
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD12	6	1.44
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD13	6	1.44
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD11	8	1.44
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD12	8	1.44
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD13	8	1.44
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD1	10	1.43
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD2	10	1.43
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG11	5	1.43
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG12	5	1.43
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG13	5	1.43
(1,2194)	1:96:A:TYR:HB2	1:97:A:VAL:H	7	1.43
(1,2186)	1:96:A:TYR:HA	1:95:A:SER:H	3	1.43
(1,2186)	1:96:A:TYR:HA	1:95:A:SER:H	8	1.43
(1,2186)	1:96:A:TYR:HA	1:95:A:SER:H	14	1.43
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE2	14	1.43
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE3	14	1.43
(1,2168)	1:94:A:ARG:H	1:92:A:MET:HA	6	1.43
(1,2160)	1:93:A:LYS:HA	1:94:A:ARG:H	6	1.43
(1,2160)	1:93:A:LYS:HA	1:94:A:ARG:H	7	1.43
(1,2160)	1:93:A:LYS:HA	1:94:A:ARG:H	11	1.43
(1,2131)	1:87:A:GLN:HG2	1:88:A:ALA:H	5	1.43
(1,2131)	1:87:A:GLN:HG3	1:88:A:ALA:H	5	1.43
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD2	9	1.43
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD3	9	1.43
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG3	12	1.43
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG2	12	1.43
(1,2075)	1:82:A:MET:HA	1:86:A:ARG:H	4	1.43
(1,2071)	1:82:A:MET:H	1:83:A:ASP:HB2	11	1.43
(1,2039)	1:78:A:LEU:HA	1:81:A:SER:H	7	1.43
(1,2026)	1:77:A:GLU:HG2	1:78:A:LEU:H	3	1.43
(1,2014)	1:76:A:PRO:HG2	1:75:A:THR:HA	3	1.43
(1,2014)	1:76:A:PRO:HG3	1:75:A:THR:HA	3	1.43
(1,2014)	1:76:A:PRO:HG2	1:75:A:THR:HA	8	1.43
(1,2014)	1:76:A:PRO:HG3	1:75:A:THR:HA	8	1.43
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG21	1	1.43
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG22	1	1.43
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG23	1	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG21	10	1.43
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG22	10	1.43
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG23	10	1.43
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG21	11	1.43
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG22	11	1.43
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG23	11	1.43
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD11	1	1.43
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD12	1	1.43
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD13	1	1.43
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD11	11	1.43
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD12	11	1.43
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD13	11	1.43
(1,1910)	1:64:A:LYS:H	1:62:A:SER:H	13	1.43
(1,1883)	1:61:A:ASP:HB2	1:62:A:SER:HA	14	1.43
(1,1866)	1:56:A:LEU:HB2	1:60:A:GLN:HE21	5	1.43
(1,1855)	1:55:A:LYS:H	1:54:A:LEU:HB2	2	1.43
(1,1855)	1:55:A:LYS:H	1:54:A:LEU:HB3	2	1.43
(1,1833)	1:48:A:ASN:HA	1:49:A:GLU:HB2	4	1.43
(1,1830)	1:47:A:GLN:HA	1:48:A:ASN:H	10	1.43
(1,1830)	1:47:A:GLN:HA	1:48:A:ASN:H	14	1.43
(1,1813)	1:45:A:THR:H	1:47:A:GLN:H	2	1.43
(1,1813)	1:45:A:THR:H	1:47:A:GLN:H	11	1.43
(1,1806)	1:45:A:THR:H	1:44:A:THR:HB	5	1.43
(1,1799)	1:43:A:ALA:HA	1:46:A:VAL:HB	4	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD11	1	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD12	1	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD13	1	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD21	1	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD22	1	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD23	1	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD11	3	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD12	3	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD13	3	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD21	3	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD22	3	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD23	3	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD11	4	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD12	4	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD13	4	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD21	4	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD22	4	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD23	4	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD11	7	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD12	7	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD13	7	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD21	7	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD22	7	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD23	7	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD11	8	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD12	8	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD13	8	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD21	8	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD22	8	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD23	8	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD11	10	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD12	10	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD13	10	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD21	10	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD22	10	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD23	10	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD11	14	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD12	14	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD13	14	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD21	14	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD22	14	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD23	14	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD11	15	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD12	15	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD13	15	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD21	15	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD22	15	1.43
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD23	15	1.43
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG21	8	1.43
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG22	8	1.43
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG23	8	1.43
(1,1583)	1:4:A:ILE:HG21	1:7:A:SER:HB2	12	1.43
(1,1583)	1:4:A:ILE:HG22	1:7:A:SER:HB2	12	1.43
(1,1583)	1:4:A:ILE:HG23	1:7:A:SER:HB2	12	1.43
(1,1552)	1:2:A:PHE:H	1:3:A:ASP:HB2	14	1.43
(1,1510)	1:88:A:ALA:H	1:86:A:ARG:H	5	1.43
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD11	13	1.43
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD12	13	1.43
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD13	13	1.43
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD21	13	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD22	13	1.43
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD23	13	1.43
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD11	14	1.43
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD12	14	1.43
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD13	14	1.43
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD21	14	1.43
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD22	14	1.43
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD23	14	1.43
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD11	3	1.43
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD12	3	1.43
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD13	3	1.43
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD11	4	1.43
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD12	4	1.43
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD13	4	1.43
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD11	14	1.43
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD12	14	1.43
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD13	14	1.43
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG21	14	1.43
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG22	14	1.43
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG23	14	1.43
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD2	3	1.43
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD3	3	1.43
(1,1350)	1:35:A:TRP:HZ3	1:32:A:VAL:HA	8	1.43
(1,1350)	1:35:A:TRP:HZ3	1:32:A:VAL:HA	14	1.43
(1,1350)	1:35:A:TRP:HZ3	1:32:A:VAL:HA	15	1.43
(1,1304)	1:19:A:VAL:H	1:15:A:ILE:H	1	1.43
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD11	5	1.43
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD12	5	1.43
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD13	5	1.43
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG21	11	1.43
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG22	11	1.43
(1,1264)	1:11:A:LEU:HG	1:14:A:ILE:HG23	11	1.43
(1,1254)	1:10:A:LEU:H	1:9:A:LEU:HG	8	1.43
(1,893)	1:65:A:LYS:HB2	1:68:A:LYS:H	1	1.43
(1,893)	1:65:A:LYS:HB2	1:68:A:LYS:H	12	1.43
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD11	2	1.42
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD12	2	1.42
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD13	2	1.42
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD21	2	1.42
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD22	2	1.42
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD23	2	1.42
(1,2218)	1:99:A:ASN:H	1:97:A:VAL:H	3	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG11	6	1.42
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG12	6	1.42
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG13	6	1.42
(1,2211)	1:97:A:VAL:H	1:100:A:ASP:H	3	1.42
(1,2186)	1:96:A:TYR:HA	1:95:A:SER:H	2	1.42
(1,2186)	1:96:A:TYR:HA	1:95:A:SER:H	6	1.42
(1,2186)	1:96:A:TYR:HA	1:95:A:SER:H	7	1.42
(1,2186)	1:96:A:TYR:HA	1:95:A:SER:H	10	1.42
(1,2168)	1:94:A:ARG:H	1:92:A:MET:HA	5	1.42
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD2	2	1.42
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD3	2	1.42
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD2	3	1.42
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD3	3	1.42
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD2	4	1.42
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD3	4	1.42
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD2	5	1.42
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD3	5	1.42
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD2	6	1.42
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD3	6	1.42
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD2	10	1.42
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD3	10	1.42
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD2	11	1.42
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD3	11	1.42
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD2	15	1.42
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD3	15	1.42
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG3	8	1.42
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG2	8	1.42
(1,2075)	1:82:A:MET:HA	1:86:A:ARG:H	15	1.42
(1,2041)	1:79:A:LYS:H	1:75:A:THR:H	13	1.42
(1,2030)	1:77:A:GLU:HA	1:79:A:LYS:H	15	1.42
(1,2014)	1:76:A:PRO:HG2	1:75:A:THR:HA	9	1.42
(1,2014)	1:76:A:PRO:HG3	1:75:A:THR:HA	9	1.42
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG21	15	1.42
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG22	15	1.42
(1,2005)	1:74:A:LEU:H	1:75:A:THR:HG23	15	1.42
(1,1912)	1:64:A:LYS:H	1:63:A:LEU:HG	13	1.42
(1,1910)	1:64:A:LYS:H	1:62:A:SER:H	15	1.42
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG21	14	1.42
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG22	14	1.42
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG23	14	1.42
(1,1840)	1:51:A:THR:HA	1:50:A:LEU:HA	7	1.42
(1,1838)	1:50:A:LEU:HA	1:51:A:THR:H	11	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG21	8	1.42
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG22	8	1.42
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG23	8	1.42
(1,1830)	1:47:A:GLN:HA	1:48:A:ASN:H	11	1.42
(1,1813)	1:45:A:THR:H	1:47:A:GLN:H	5	1.42
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD11	1	1.42
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD12	1	1.42
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD13	1	1.42
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD21	1	1.42
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD22	1	1.42
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD23	1	1.42
(1,1662)	1:15:A:ILE:HG13	1:12:A:VAL:HA	6	1.42
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG21	11	1.42
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG22	11	1.42
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG23	11	1.42
(1,1546)	1:2:A:PHE:HD1	1:1:A:MET:HA	14	1.42
(1,1546)	1:2:A:PHE:HD2	1:1:A:MET:HA	14	1.42
(1,1534)	1:97:A:VAL:H	1:98:A:ALA:HA	5	1.42
(1,1534)	1:97:A:VAL:H	1:98:A:ALA:HA	6	1.42
(1,1534)	1:97:A:VAL:H	1:98:A:ALA:HA	8	1.42
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD1	4	1.42
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD2	4	1.42
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB2	9	1.42
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB3	9	1.42
(1,1510)	1:88:A:ALA:H	1:86:A:ARG:H	14	1.42
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD11	3	1.42
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD12	3	1.42
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD13	3	1.42
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD21	3	1.42
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD22	3	1.42
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD23	3	1.42
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD11	6	1.42
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD12	6	1.42
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD13	6	1.42
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD21	6	1.42
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD22	6	1.42
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD23	6	1.42
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD11	9	1.42
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD12	9	1.42
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD13	9	1.42
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD21	9	1.42
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD22	9	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD23	9	1.42
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD11	15	1.42
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD12	15	1.42
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD13	15	1.42
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD21	15	1.42
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD22	15	1.42
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD23	15	1.42
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD11	6	1.42
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD12	6	1.42
(1,1487)	1:80:A:ALA:H	1:78:A:LEU:HD13	6	1.42
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG21	4	1.42
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG22	4	1.42
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG23	4	1.42
(1,1448)	1:65:A:LYS:HA	1:67:A:GLU:H	7	1.42
(1,1432)	1:56:A:LEU:HB2	1:60:A:GLN:HB2	9	1.42
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB1	2	1.42
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB2	2	1.42
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB3	2	1.42
(1,1414)	1:47:A:GLN:H	1:44:A:THR:HB	11	1.42
(1,1412)	1:47:A:GLN:H	1:43:A:ALA:HA	11	1.42
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG21	2	1.42
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG22	2	1.42
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG23	2	1.42
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG21	3	1.42
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG22	3	1.42
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG23	3	1.42
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG21	13	1.42
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG22	13	1.42
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG23	13	1.42
(1,1350)	1:35:A:TRP:HZ3	1:32:A:VAL:HA	13	1.42
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD11	3	1.42
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD12	3	1.42
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD13	3	1.42
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD11	15	1.42
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD12	15	1.42
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD13	15	1.42
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD11	13	1.42
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD12	13	1.42
(1,1293)	1:17:A:LEU:H	1:15:A:ILE:HD13	13	1.42
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB2	9	1.42
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB3	9	1.42
(1,2238)	1:103:A:GLU:H	1:100:A:ASP:HB2	1	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2238)	1:103:A:GLU:H	1:100:A:ASP:HB3	1	1.41
(1,2237)	1:102:A:LEU:H	1:103:A:GLU:HA	1	1.41
(1,2235)	1:102:A:LEU:H	1:100:A:ASP:HA	12	1.41
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD1	10	1.41
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD2	10	1.41
(1,2201)	1:97:A:VAL:H	1:94:A:ARG:HA	8	1.41
(1,2186)	1:96:A:TYR:HA	1:95:A:SER:H	4	1.41
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD2	1	1.41
(1,2129)	1:87:A:GLN:H	1:86:A:ARG:HD3	1	1.41
(1,2075)	1:82:A:MET:HA	1:86:A:ARG:H	6	1.41
(1,2075)	1:82:A:MET:HA	1:86:A:ARG:H	9	1.41
(1,2042)	1:79:A:LYS:H	1:77:A:GLU:H	8	1.41
(1,2041)	1:79:A:LYS:H	1:75:A:THR:H	4	1.41
(1,2030)	1:77:A:GLU:HA	1:79:A:LYS:H	7	1.41
(1,2030)	1:77:A:GLU:HA	1:79:A:LYS:H	10	1.41
(1,2014)	1:76:A:PRO:HG2	1:75:A:THR:HA	13	1.41
(1,2014)	1:76:A:PRO:HG3	1:75:A:THR:HA	13	1.41
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD11	3	1.41
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD12	3	1.41
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD13	3	1.41
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB1	5	1.41
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB2	5	1.41
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB3	5	1.41
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB1	7	1.41
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB2	7	1.41
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB3	7	1.41
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD21	6	1.41
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD22	6	1.41
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD23	6	1.41
(1,1948)	1:67:A:GLU:HG3	1:70:A:SER:HB2	5	1.41
(1,1932)	1:65:A:LYS:HA	1:68:A:LYS:H	3	1.41
(1,1932)	1:65:A:LYS:HA	1:68:A:LYS:H	13	1.41
(1,1920)	1:65:A:LYS:H	1:63:A:LEU:H	2	1.41
(1,1896)	1:63:A:LEU:H	1:60:A:GLN:HA	13	1.41
(1,1896)	1:63:A:LEU:H	1:60:A:GLN:HA	15	1.41
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD1	10	1.41
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD2	10	1.41
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD1	10	1.41
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD2	10	1.41
(1,1864)	1:55:A:LYS:H	1:54:A:LEU:HB2	5	1.41
(1,1864)	1:55:A:LYS:H	1:54:A:LEU:HB2	15	1.41
(1,1840)	1:51:A:THR:HA	1:50:A:LEU:HA	3	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1840)	1:51:A:THR:HA	1:50:A:LEU:HA	6	1.41
(1,1838)	1:50:A:LEU:HA	1:51:A:THR:H	2	1.41
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG21	4	1.41
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG22	4	1.41
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG23	4	1.41
(1,1834)	1:48:A:ASN:HB3	1:49:A:GLU:H	15	1.41
(1,1834)	1:48:A:ASN:HB2	1:49:A:GLU:H	15	1.41
(1,1833)	1:48:A:ASN:HA	1:49:A:GLU:HB2	3	1.41
(1,1824)	1:46:A:VAL:H	1:48:A:ASN:H	1	1.41
(1,1824)	1:46:A:VAL:H	1:48:A:ASN:H	4	1.41
(1,1824)	1:46:A:VAL:H	1:48:A:ASN:H	12	1.41
(1,1813)	1:45:A:THR:H	1:47:A:GLN:H	14	1.41
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD11	11	1.41
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD12	11	1.41
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD13	11	1.41
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD21	11	1.41
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD22	11	1.41
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD23	11	1.41
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD21	11	1.41
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD22	11	1.41
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD23	11	1.41
(1,1613)	1:8:A:GLU:HB2	1:7:A:SER:H	12	1.41
(1,1598)	1:6:A:PHE:HD1	1:9:A:LEU:HB3	15	1.41
(1,1598)	1:6:A:PHE:HD2	1:9:A:LEU:HB3	15	1.41
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD11	7	1.41
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD12	7	1.41
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD13	7	1.41
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD11	7	1.41
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD12	7	1.41
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD13	7	1.41
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD11	7	1.41
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD12	7	1.41
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD13	7	1.41
(1,1526)	1:95:A:SER:HA	1:94:A:ARG:HG2	9	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD11	1	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD12	1	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD13	1	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD21	1	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD22	1	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD23	1	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD11	2	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD12	2	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD13	2	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD21	2	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD22	2	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD23	2	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD11	4	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD12	4	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD13	4	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD21	4	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD22	4	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD23	4	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD11	5	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD12	5	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD13	5	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD21	5	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD22	5	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD23	5	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD11	8	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD12	8	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD13	8	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD21	8	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD22	8	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD23	8	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD11	11	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD12	11	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD13	11	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD21	11	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD22	11	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD23	11	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD11	12	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD12	12	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD13	12	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD21	12	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD22	12	1.41
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD23	12	1.41
(1,1422)	1:48:A:ASN:H	1:44:A:THR:HB	6	1.41
(1,1422)	1:48:A:ASN:H	1:44:A:THR:HB	7	1.41
(1,1412)	1:47:A:GLN:H	1:43:A:ALA:HA	1	1.41
(1,1407)	1:45:A:THR:HA	1:47:A:GLN:H	2	1.41
(1,1407)	1:45:A:THR:HA	1:47:A:GLN:H	7	1.41
(1,1350)	1:35:A:TRP:HZ3	1:32:A:VAL:HA	12	1.41
(1,1304)	1:19:A:VAL:H	1:15:A:ILE:H	11	1.41
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD11	7	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD12	7	1.41
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD13	7	1.41
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD11	8	1.41
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD12	8	1.41
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD13	8	1.41
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD11	11	1.41
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD12	11	1.41
(1,1300)	1:18:A:VAL:HA	1:15:A:ILE:HD13	11	1.41
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG21	15	1.41
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG22	15	1.41
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG23	15	1.41
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG21	15	1.41
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG22	15	1.41
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG23	15	1.41
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB2	8	1.41
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB3	8	1.41
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB2	12	1.41
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB3	12	1.41
(1,893)	1:65:A:LYS:HB2	1:68:A:LYS:H	2	1.41
(1,2241)	1:103:A:GLU:HB2	1:102:A:LEU:HG	8	1.4
(1,2241)	1:103:A:GLU:HB3	1:102:A:LEU:HG	8	1.4
(1,2197)	1:96:A:TYR:HA	1:100:A:ASP:H	12	1.4
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE2	8	1.4
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE3	8	1.4
(1,2164)	1:93:A:LYS:HG3	1:97:A:VAL:HB	8	1.4
(1,2160)	1:93:A:LYS:HA	1:94:A:ARG:H	3	1.4
(1,2160)	1:93:A:LYS:HA	1:94:A:ARG:H	5	1.4
(1,2160)	1:93:A:LYS:HA	1:94:A:ARG:H	8	1.4
(1,2113)	1:85:A:LEU:HB3	1:89:A:ALA:H	6	1.4
(1,2113)	1:85:A:LEU:HB3	1:89:A:ALA:H	9	1.4
(1,2113)	1:85:A:LEU:HB3	1:89:A:ALA:H	13	1.4
(1,2075)	1:82:A:MET:HA	1:86:A:ARG:H	13	1.4
(1,2041)	1:79:A:LYS:H	1:75:A:THR:H	14	1.4
(1,2039)	1:78:A:LEU:HA	1:81:A:SER:H	6	1.4
(1,2039)	1:78:A:LEU:HA	1:81:A:SER:H	8	1.4
(1,2030)	1:77:A:GLU:HA	1:79:A:LYS:H	1	1.4
(1,2030)	1:77:A:GLU:HA	1:79:A:LYS:H	2	1.4
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD11	9	1.4
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD12	9	1.4
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD13	9	1.4
(1,1966)	1:70:A:SER:HA	1:72:A:THR:H	7	1.4
(1,1953)	1:68:A:LYS:HG3	1:67:A:GLU:HB2	8	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD21	8	1.4
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD22	8	1.4
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD23	8	1.4
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG21	10	1.4
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG22	10	1.4
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG23	10	1.4
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD21	5	1.4
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD22	5	1.4
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD23	5	1.4
(1,1920)	1:65:A:LYS:H	1:63:A:LEU:H	5	1.4
(1,1920)	1:65:A:LYS:H	1:63:A:LEU:H	8	1.4
(1,1912)	1:64:A:LYS:H	1:63:A:LEU:HG	1	1.4
(1,1912)	1:64:A:LYS:H	1:63:A:LEU:HG	5	1.4
(1,1912)	1:64:A:LYS:H	1:63:A:LEU:HG	10	1.4
(1,1883)	1:61:A:ASP:HB2	1:62:A:SER:HA	8	1.4
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG21	10	1.4
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG22	10	1.4
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG23	10	1.4
(1,1840)	1:51:A:THR:HA	1:50:A:LEU:HA	4	1.4
(1,1840)	1:51:A:THR:HA	1:50:A:LEU:HA	5	1.4
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG21	3	1.4
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG22	3	1.4
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG23	3	1.4
(1,1813)	1:45:A:THR:H	1:47:A:GLN:H	12	1.4
(1,1787)	1:42:A:LEU:HD11	1:43:A:ALA:H	7	1.4
(1,1787)	1:42:A:LEU:HD12	1:43:A:ALA:H	7	1.4
(1,1787)	1:42:A:LEU:HD13	1:43:A:ALA:H	7	1.4
(1,1787)	1:42:A:LEU:HD21	1:43:A:ALA:H	7	1.4
(1,1787)	1:42:A:LEU:HD22	1:43:A:ALA:H	7	1.4
(1,1787)	1:42:A:LEU:HD23	1:43:A:ALA:H	7	1.4
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD11	2	1.4
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD12	2	1.4
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD13	2	1.4
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD21	2	1.4
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD22	2	1.4
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD23	2	1.4
(1,1662)	1:15:A:ILE:HG13	1:12:A:VAL:HA	4	1.4
(1,1662)	1:15:A:ILE:HG13	1:12:A:VAL:HA	5	1.4
(1,1599)	1:6:A:PHE:HB3	1:9:A:LEU:HB2	7	1.4
(1,1599)	1:6:A:PHE:HB2	1:9:A:LEU:HB2	7	1.4
(1,1568)	1:3:A:ASP:HB2	1:4:A:ILE:H	11	1.4
(1,1541)	1:1:A:MET:HE1	1:2:A:PHE:HZ	15	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1541)	1:1:A:MET:HE2	1:2:A:PHE:HZ	15	1.4
(1,1541)	1:1:A:MET:HE3	1:2:A:PHE:HZ	15	1.4
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB2	3	1.4
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB3	3	1.4
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD11	10	1.4
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD12	10	1.4
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD13	10	1.4
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD21	10	1.4
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD22	10	1.4
(1,1508)	1:88:A:ALA:H	1:85:A:LEU:HD23	10	1.4
(1,1470)	1:73:A:ASN:HB2	1:72:A:THR:H	3	1.4
(1,1470)	1:73:A:ASN:HB3	1:72:A:THR:H	3	1.4
(1,1469)	1:73:A:ASN:H	1:70:A:SER:H	6	1.4
(1,1447)	1:65:A:LYS:H	1:66:A:VAL:HB	5	1.4
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG2	10	1.4
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG3	10	1.4
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG2	6	1.4
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG3	6	1.4
(1,1425)	1:48:A:ASN:HA	1:51:A:THR:H	2	1.4
(1,1409)	1:46:A:VAL:H	1:44:A:THR:HB	5	1.4
(1,1402)	1:45:A:THR:H	1:41:A:SER:HA	7	1.4
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG2	3	1.4
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG3	3	1.4
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG21	2	1.4
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG22	2	1.4
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG23	2	1.4
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG21	5	1.4
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG22	5	1.4
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG23	5	1.4
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG21	6	1.4
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG22	6	1.4
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG23	6	1.4
(1,1304)	1:19:A:VAL:H	1:15:A:ILE:H	9	1.4
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB2	11	1.4
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB3	11	1.4
(1,2235)	1:102:A:LEU:H	1:100:A:ASP:HA	1	1.39
(1,2233)	1:101:A:PRO:HB2	1:102:A:LEU:H	1	1.39
(1,2233)	1:101:A:PRO:HB2	1:102:A:LEU:H	13	1.39
(1,2233)	1:101:A:PRO:HB2	1:102:A:LEU:H	15	1.39
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB1	9	1.39
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB2	9	1.39
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB3	9	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2201)	1:97:A:VAL:H	1:94:A:ARG:HA	7	1.39
(1,2168)	1:94:A:ARG:H	1:92:A:MET:HA	2	1.39
(1,2160)	1:93:A:LYS:HA	1:94:A:ARG:H	2	1.39
(1,2131)	1:87:A:GLN:HG2	1:88:A:ALA:H	7	1.39
(1,2131)	1:87:A:GLN:HG3	1:88:A:ALA:H	7	1.39
(1,2113)	1:85:A:LEU:HB3	1:89:A:ALA:H	2	1.39
(1,2113)	1:85:A:LEU:HB3	1:89:A:ALA:H	4	1.39
(1,2113)	1:85:A:LEU:HB3	1:89:A:ALA:H	7	1.39
(1,2113)	1:85:A:LEU:HB3	1:89:A:ALA:H	15	1.39
(1,2041)	1:79:A:LYS:H	1:75:A:THR:H	9	1.39
(1,2039)	1:78:A:LEU:HA	1:81:A:SER:H	4	1.39
(1,2030)	1:77:A:GLU:HA	1:79:A:LYS:H	11	1.39
(1,2030)	1:77:A:GLU:HA	1:79:A:LYS:H	12	1.39
(1,1966)	1:70:A:SER:HA	1:72:A:THR:H	5	1.39
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD2	11	1.39
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD3	11	1.39
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD21	6	1.39
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD22	6	1.39
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD23	6	1.39
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD11	6	1.39
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD12	6	1.39
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD13	6	1.39
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD21	10	1.39
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD22	10	1.39
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD23	10	1.39
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD11	10	1.39
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD12	10	1.39
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD13	10	1.39
(1,1883)	1:61:A:ASP:HB2	1:62:A:SER:HA	12	1.39
(1,1869)	1:60:A:GLN:HE22	1:56:A:LEU:HB2	6	1.39
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG21	11	1.39
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG22	11	1.39
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG23	11	1.39
(1,1840)	1:51:A:THR:HA	1:50:A:LEU:HA	2	1.39
(1,1806)	1:45:A:THR:H	1:44:A:THR:HB	2	1.39
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD11	2	1.39
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD12	2	1.39
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD13	2	1.39
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD21	2	1.39
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD22	2	1.39
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD23	2	1.39
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD21	3	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD22	3	1.39
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD23	3	1.39
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD21	7	1.39
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD22	7	1.39
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD23	7	1.39
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD21	8	1.39
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD22	8	1.39
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD23	8	1.39
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD21	14	1.39
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD22	14	1.39
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD23	14	1.39
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD21	15	1.39
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD22	15	1.39
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD23	15	1.39
(1,1613)	1:8:A:GLU:HB2	1:7:A:SER:H	5	1.39
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG21	7	1.39
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG22	7	1.39
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG23	7	1.39
(1,1591)	1:6:A:PHE:H	1:5:A:GLY:HA3	12	1.39
(1,1552)	1:2:A:PHE:H	1:3:A:ASP:HB2	15	1.39
(1,1540)	1:103:A:GLU:H	1:101:A:PRO:HA	3	1.39
(1,1526)	1:95:A:SER:HA	1:94:A:ARG:HG2	14	1.39
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB2	4	1.39
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB3	4	1.39
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB2	8	1.39
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB3	8	1.39
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE1	12	1.39
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE2	12	1.39
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE3	12	1.39
(1,1470)	1:73:A:ASN:HB2	1:72:A:THR:H	9	1.39
(1,1470)	1:73:A:ASN:HB3	1:72:A:THR:H	9	1.39
(1,1469)	1:73:A:ASN:H	1:70:A:SER:H	8	1.39
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG21	3	1.39
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG22	3	1.39
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG23	3	1.39
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG21	9	1.39
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG22	9	1.39
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG23	9	1.39
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD2	1	1.39
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD3	1	1.39
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG2	4	1.39
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG3	4	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1444)	1:63:A:LEU:HA	1:66:A:VAL:HB	10	1.39
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD11	5	1.39
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD12	5	1.39
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD13	5	1.39
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD21	5	1.39
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD22	5	1.39
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD23	5	1.39
(1,1420)	1:48:A:ASN:H	1:44:A:THR:H	10	1.39
(1,1412)	1:47:A:GLN:H	1:43:A:ALA:HA	12	1.39
(1,1407)	1:45:A:THR:HA	1:47:A:GLN:H	6	1.39
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG21	10	1.39
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG22	10	1.39
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG23	10	1.39
(1,1403)	1:45:A:THR:HB	1:41:A:SER:HA	8	1.39
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG2	10	1.39
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG3	10	1.39
(1,1396)	1:44:A:THR:H	1:42:A:LEU:HA	3	1.39
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB3	4	1.39
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB3	4	1.39
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB3	4	1.39
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB3	4	1.39
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB3	4	1.39
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB3	4	1.39
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB2	4	1.39
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB2	4	1.39
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB2	4	1.39
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB2	4	1.39
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB2	4	1.39
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB2	4	1.39
(1,1386)	1:42:A:LEU:HD11	1:39:A:LEU:H	6	1.39
(1,1386)	1:42:A:LEU:HD12	1:39:A:LEU:H	6	1.39
(1,1386)	1:42:A:LEU:HD13	1:39:A:LEU:H	6	1.39
(1,1386)	1:42:A:LEU:HD21	1:39:A:LEU:H	6	1.39
(1,1386)	1:42:A:LEU:HD22	1:39:A:LEU:H	6	1.39
(1,1386)	1:42:A:LEU:HD23	1:39:A:LEU:H	6	1.39
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB2	12	1.39
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB3	12	1.39
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG11	9	1.39
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG12	9	1.39
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG13	9	1.39
(1,2235)	1:102:A:LEU:H	1:100:A:ASP:HA	13	1.38
(1,2235)	1:102:A:LEU:H	1:100:A:ASP:HA	15	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2233)	1:101:A:PRO:HB2	1:102:A:LEU:H	12	1.38
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB1	7	1.38
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB2	7	1.38
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB3	7	1.38
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB1	7	1.38
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB2	7	1.38
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB3	7	1.38
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB1	7	1.38
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB2	7	1.38
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB3	7	1.38
(1,2201)	1:97:A:VAL:H	1:94:A:ARG:HA	2	1.38
(1,2168)	1:94:A:ARG:H	1:92:A:MET:HA	8	1.38
(1,2160)	1:93:A:LYS:HA	1:94:A:ARG:H	4	1.38
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE1	13	1.38
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE2	13	1.38
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE3	13	1.38
(1,2113)	1:85:A:LEU:HB3	1:89:A:ALA:H	1	1.38
(1,2096)	1:84:A:GLU:H	1:83:A:ASP:HB2	4	1.38
(1,2041)	1:79:A:LYS:H	1:75:A:THR:H	3	1.38
(1,2037)	1:78:A:LEU:HA	1:79:A:LYS:HA	2	1.38
(1,2037)	1:78:A:LEU:HA	1:79:A:LYS:HA	5	1.38
(1,2037)	1:78:A:LEU:HA	1:79:A:LYS:HA	11	1.38
(1,2037)	1:78:A:LEU:HA	1:79:A:LYS:HA	12	1.38
(1,2037)	1:78:A:LEU:HA	1:79:A:LYS:HA	15	1.38
(1,2014)	1:76:A:PRO:HG2	1:75:A:THR:HA	1	1.38
(1,2014)	1:76:A:PRO:HG3	1:75:A:THR:HA	1	1.38
(1,2014)	1:76:A:PRO:HG2	1:75:A:THR:HA	2	1.38
(1,2014)	1:76:A:PRO:HG3	1:75:A:THR:HA	2	1.38
(1,2014)	1:76:A:PRO:HG2	1:75:A:THR:HA	5	1.38
(1,2014)	1:76:A:PRO:HG3	1:75:A:THR:HA	5	1.38
(1,2014)	1:76:A:PRO:HG2	1:75:A:THR:HA	10	1.38
(1,2014)	1:76:A:PRO:HG3	1:75:A:THR:HA	10	1.38
(1,2014)	1:76:A:PRO:HG2	1:75:A:THR:HA	11	1.38
(1,2014)	1:76:A:PRO:HG3	1:75:A:THR:HA	11	1.38
(1,2014)	1:76:A:PRO:HG2	1:75:A:THR:HA	12	1.38
(1,2014)	1:76:A:PRO:HG3	1:75:A:THR:HA	12	1.38
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB1	11	1.38
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB2	11	1.38
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB3	11	1.38
(1,1968)	1:70:A:SER:HB2	1:74:A:LEU:HG	15	1.38
(1,1968)	1:70:A:SER:HB3	1:74:A:LEU:HG	15	1.38
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG21	3	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG22	3	1.38
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG23	3	1.38
(1,1920)	1:65:A:LYS:H	1:63:A:LEU:H	12	1.38
(1,1898)	1:63:A:LEU:H	1:61:A:ASP:H	11	1.38
(1,1896)	1:63:A:LEU:H	1:60:A:GLN:HA	9	1.38
(1,1866)	1:56:A:LEU:HB2	1:60:A:GLN:HE21	6	1.38
(1,1838)	1:50:A:LEU:HA	1:51:A:THR:H	15	1.38
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG21	8	1.38
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG22	8	1.38
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG23	8	1.38
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD21	1	1.38
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD22	1	1.38
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD23	1	1.38
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD21	4	1.38
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD22	4	1.38
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD23	4	1.38
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD21	5	1.38
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD22	5	1.38
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD23	5	1.38
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD21	6	1.38
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD22	6	1.38
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD23	6	1.38
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD21	10	1.38
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD22	10	1.38
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD23	10	1.38
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG21	11	1.38
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG22	11	1.38
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG23	11	1.38
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD11	13	1.38
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD12	13	1.38
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD13	13	1.38
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD21	13	1.38
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD22	13	1.38
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD23	13	1.38
(1,1662)	1:15:A:ILE:HG13	1:12:A:VAL:HA	2	1.38
(1,1662)	1:15:A:ILE:HG13	1:12:A:VAL:HA	14	1.38
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG21	11	1.38
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG22	11	1.38
(1,1629)	1:11:A:LEU:HA	1:14:A:ILE:HG23	11	1.38
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG21	5	1.38
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG22	5	1.38
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG23	5	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1575)	1:4:A:ILE:HG13	1:3:A:ASP:HA	11	1.38
(1,1575)	1:4:A:ILE:HG12	1:3:A:ASP:HA	11	1.38
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE1	11	1.38
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE2	11	1.38
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE3	11	1.38
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG2	2	1.38
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG3	2	1.38
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG2	12	1.38
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG3	12	1.38
(1,1409)	1:46:A:VAL:H	1:44:A:THR:HB	2	1.38
(1,1409)	1:46:A:VAL:H	1:44:A:THR:HB	12	1.38
(1,1407)	1:45:A:THR:HA	1:47:A:GLN:H	14	1.38
(1,1403)	1:45:A:THR:HB	1:41:A:SER:HA	9	1.38
(1,1396)	1:44:A:THR:H	1:42:A:LEU:HA	7	1.38
(1,1386)	1:42:A:LEU:HD11	1:39:A:LEU:H	14	1.38
(1,1386)	1:42:A:LEU:HD12	1:39:A:LEU:H	14	1.38
(1,1386)	1:42:A:LEU:HD13	1:39:A:LEU:H	14	1.38
(1,1386)	1:42:A:LEU:HD21	1:39:A:LEU:H	14	1.38
(1,1386)	1:42:A:LEU:HD22	1:39:A:LEU:H	14	1.38
(1,1386)	1:42:A:LEU:HD23	1:39:A:LEU:H	14	1.38
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG21	10	1.38
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG22	10	1.38
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG23	10	1.38
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG21	7	1.38
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG22	7	1.38
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG23	7	1.38
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG21	7	1.38
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG22	7	1.38
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG23	7	1.38
(1,1254)	1:10:A:LEU:H	1:9:A:LEU:HG	3	1.38
(1,2201)	1:97:A:VAL:H	1:94:A:ARG:HA	3	1.37
(1,2194)	1:96:A:TYR:HB2	1:97:A:VAL:H	9	1.37
(1,2168)	1:94:A:ARG:H	1:92:A:MET:HA	3	1.37
(1,2168)	1:94:A:ARG:H	1:92:A:MET:HA	4	1.37
(1,2131)	1:87:A:GLN:HG2	1:88:A:ALA:H	14	1.37
(1,2131)	1:87:A:GLN:HG3	1:88:A:ALA:H	14	1.37
(1,2113)	1:85:A:LEU:HB3	1:89:A:ALA:H	3	1.37
(1,2113)	1:85:A:LEU:HB3	1:89:A:ALA:H	10	1.37
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG3	14	1.37
(1,2085)	1:83:A:ASP:HA	1:86:A:ARG:HG2	14	1.37
(1,2084)	1:83:A:ASP:HA	1:86:A:ARG:HA	14	1.37
(1,2039)	1:78:A:LEU:HA	1:81:A:SER:H	9	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2039)	1:78:A:LEU:HA	1:81:A:SER:H	14	1.37
(1,2037)	1:78:A:LEU:HA	1:79:A:LYS:HA	1	1.37
(1,2037)	1:78:A:LEU:HA	1:79:A:LYS:HA	10	1.37
(1,2028)	1:77:A:GLU:HG3	1:78:A:LEU:H	8	1.37
(1,2014)	1:76:A:PRO:HG2	1:75:A:THR:HA	7	1.37
(1,2014)	1:76:A:PRO:HG3	1:75:A:THR:HA	7	1.37
(1,2014)	1:76:A:PRO:HG2	1:75:A:THR:HA	15	1.37
(1,2014)	1:76:A:PRO:HG3	1:75:A:THR:HA	15	1.37
(1,1956)	1:68:A:LYS:HB2	1:69:A:ALA:H	7	1.37
(1,1956)	1:68:A:LYS:HB3	1:69:A:ALA:H	7	1.37
(1,1948)	1:67:A:GLU:HG3	1:70:A:SER:HB2	7	1.37
(1,1932)	1:65:A:LYS:HA	1:68:A:LYS:H	11	1.37
(1,1920)	1:65:A:LYS:H	1:63:A:LEU:H	15	1.37
(1,1899)	1:63:A:LEU:HB2	1:62:A:SER:HB2	10	1.37
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD1	9	1.37
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD2	9	1.37
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD1	9	1.37
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD2	9	1.37
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD1	8	1.37
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD2	8	1.37
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG21	15	1.37
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG22	15	1.37
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG23	15	1.37
(1,1834)	1:48:A:ASN:HB3	1:49:A:GLU:H	2	1.37
(1,1834)	1:48:A:ASN:HB2	1:49:A:GLU:H	2	1.37
(1,1813)	1:45:A:THR:H	1:47:A:GLN:H	10	1.37
(1,1813)	1:45:A:THR:H	1:47:A:GLN:H	13	1.37
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG21	9	1.37
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG22	9	1.37
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG23	9	1.37
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG21	14	1.37
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG22	14	1.37
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG23	14	1.37
(1,1787)	1:42:A:LEU:HD11	1:43:A:ALA:H	3	1.37
(1,1787)	1:42:A:LEU:HD12	1:43:A:ALA:H	3	1.37
(1,1787)	1:42:A:LEU:HD13	1:43:A:ALA:H	3	1.37
(1,1787)	1:42:A:LEU:HD21	1:43:A:ALA:H	3	1.37
(1,1787)	1:42:A:LEU:HD22	1:43:A:ALA:H	3	1.37
(1,1787)	1:42:A:LEU:HD23	1:43:A:ALA:H	3	1.37
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD11	4	1.37
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD12	4	1.37
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD13	4	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD21	4	1.37
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD22	4	1.37
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD23	4	1.37
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD21	9	1.37
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD22	9	1.37
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD23	9	1.37
(1,1662)	1:15:A:ILE:HG13	1:12:A:VAL:HA	10	1.37
(1,1593)	1:6:A:PHE:HB3	1:7:A:SER:H	11	1.37
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB2	2	1.37
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB3	2	1.37
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB2	6	1.37
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB3	6	1.37
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB2	14	1.37
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB3	14	1.37
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG21	13	1.37
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG22	13	1.37
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG23	13	1.37
(1,1447)	1:65:A:LYS:H	1:66:A:VAL:HB	15	1.37
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD11	15	1.37
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD12	15	1.37
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD13	15	1.37
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD21	15	1.37
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD22	15	1.37
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD23	15	1.37
(1,1412)	1:47:A:GLN:H	1:43:A:ALA:HA	3	1.37
(1,1412)	1:47:A:GLN:H	1:43:A:ALA:HA	4	1.37
(1,1409)	1:46:A:VAL:H	1:44:A:THR:HB	1	1.37
(1,1409)	1:46:A:VAL:H	1:44:A:THR:HB	6	1.37
(1,1407)	1:45:A:THR:HA	1:47:A:GLN:H	8	1.37
(1,1407)	1:45:A:THR:HA	1:47:A:GLN:H	9	1.37
(1,1407)	1:45:A:THR:HA	1:47:A:GLN:H	13	1.37
(1,1386)	1:42:A:LEU:HD11	1:39:A:LEU:H	15	1.37
(1,1386)	1:42:A:LEU:HD12	1:39:A:LEU:H	15	1.37
(1,1386)	1:42:A:LEU:HD13	1:39:A:LEU:H	15	1.37
(1,1386)	1:42:A:LEU:HD21	1:39:A:LEU:H	15	1.37
(1,1386)	1:42:A:LEU:HD22	1:39:A:LEU:H	15	1.37
(1,1386)	1:42:A:LEU:HD23	1:39:A:LEU:H	15	1.37
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB1	2	1.37
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB2	2	1.37
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB3	2	1.37
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB1	2	1.37
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB2	2	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB3	2	1.37
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB1	2	1.37
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB2	2	1.37
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB3	2	1.37
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG21	4	1.37
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG22	4	1.37
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG23	4	1.37
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG21	10	1.37
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG22	10	1.37
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG23	10	1.37
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG21	14	1.37
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG22	14	1.37
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG23	14	1.37
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG12	3	1.37
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG13	3	1.37
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG12	7	1.37
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG13	7	1.37
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB2	13	1.37
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB3	13	1.37
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD21	12	1.37
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD22	12	1.37
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD23	12	1.37
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG21	3	1.37
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG22	3	1.37
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG23	3	1.37
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG21	3	1.37
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG22	3	1.37
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG23	3	1.37
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG21	8	1.37
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG22	8	1.37
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG23	8	1.37
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG21	8	1.37
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG22	8	1.37
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG23	8	1.37
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG21	6	1.37
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG22	6	1.37
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG23	6	1.37
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG21	6	1.37
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG22	6	1.37
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG23	6	1.37
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG11	6	1.37
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG12	6	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG13	6	1.37
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG11	6	1.37
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG12	6	1.37
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG13	6	1.37
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD11	4	1.36
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD12	4	1.36
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD13	4	1.36
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD21	4	1.36
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD22	4	1.36
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD23	4	1.36
(1,2238)	1:103:A:GLU:H	1:100:A:ASP:HB2	12	1.36
(1,2238)	1:103:A:GLU:H	1:100:A:ASP:HB3	12	1.36
(1,2238)	1:103:A:GLU:H	1:100:A:ASP:HB2	13	1.36
(1,2238)	1:103:A:GLU:H	1:100:A:ASP:HB3	13	1.36
(1,2238)	1:103:A:GLU:H	1:100:A:ASP:HB2	15	1.36
(1,2238)	1:103:A:GLU:H	1:100:A:ASP:HB3	15	1.36
(1,2231)	1:101:A:PRO:HG2	1:102:A:LEU:HG	6	1.36
(1,2231)	1:101:A:PRO:HG2	1:102:A:LEU:HG	9	1.36
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD1	7	1.36
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD2	7	1.36
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB1	3	1.36
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB2	3	1.36
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB3	3	1.36
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB1	3	1.36
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB2	3	1.36
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB3	3	1.36
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB1	3	1.36
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB2	3	1.36
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB3	3	1.36
(1,2160)	1:93:A:LYS:HA	1:94:A:ARG:H	9	1.36
(1,2113)	1:85:A:LEU:HB3	1:89:A:ALA:H	5	1.36
(1,2113)	1:85:A:LEU:HB3	1:89:A:ALA:H	8	1.36
(1,2113)	1:85:A:LEU:HB3	1:89:A:ALA:H	11	1.36
(1,2113)	1:85:A:LEU:HB3	1:89:A:ALA:H	12	1.36
(1,2072)	1:82:A:MET:HA	1:85:A:LEU:HB3	14	1.36
(1,2067)	1:82:A:MET:HB3	1:79:A:LYS:HA	7	1.36
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE1	8	1.36
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE2	8	1.36
(1,2061)	1:81:A:SER:HA	1:82:A:MET:HE3	8	1.36
(1,2039)	1:78:A:LEU:HA	1:81:A:SER:H	3	1.36
(1,2037)	1:78:A:LEU:HA	1:79:A:LYS:HA	3	1.36
(1,2037)	1:78:A:LEU:HA	1:79:A:LYS:HA	7	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2037)	1:78:A:LEU:HA	1:79:A:LYS:HA	8	1.36
(1,2037)	1:78:A:LEU:HA	1:79:A:LYS:HA	9	1.36
(1,2037)	1:78:A:LEU:HA	1:79:A:LYS:HA	13	1.36
(1,2037)	1:78:A:LEU:HA	1:79:A:LYS:HA	14	1.36
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB1	6	1.36
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB2	6	1.36
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB3	6	1.36
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB1	6	1.36
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB2	6	1.36
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB3	6	1.36
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB1	8	1.36
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB2	8	1.36
(1,1983)	1:73:A:ASN:HD21	1:69:A:ALA:HB3	8	1.36
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB1	8	1.36
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB2	8	1.36
(1,1983)	1:73:A:ASN:HD22	1:69:A:ALA:HB3	8	1.36
(1,1978)	1:71:A:LEU:HD21	1:72:A:THR:H	4	1.36
(1,1978)	1:71:A:LEU:HD22	1:72:A:THR:H	4	1.36
(1,1978)	1:71:A:LEU:HD23	1:72:A:THR:H	4	1.36
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG21	9	1.36
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG22	9	1.36
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG23	9	1.36
(1,1960)	1:69:A:ALA:HA	1:72:A:THR:H	8	1.36
(1,1932)	1:65:A:LYS:HA	1:68:A:LYS:H	4	1.36
(1,1932)	1:65:A:LYS:HA	1:68:A:LYS:H	14	1.36
(1,1898)	1:63:A:LEU:H	1:61:A:ASP:H	1	1.36
(1,1897)	1:63:A:LEU:HG	1:60:A:GLN:HA	7	1.36
(1,1896)	1:63:A:LEU:H	1:60:A:GLN:HA	12	1.36
(1,1864)	1:55:A:LYS:H	1:54:A:LEU:HB2	1	1.36
(1,1864)	1:55:A:LYS:H	1:54:A:LEU:HB2	10	1.36
(1,1840)	1:51:A:THR:HA	1:50:A:LEU:HA	15	1.36
(1,1830)	1:47:A:GLN:HA	1:48:A:ASN:H	12	1.36
(1,1824)	1:46:A:VAL:H	1:48:A:ASN:H	6	1.36
(1,1806)	1:45:A:THR:H	1:44:A:THR:HB	8	1.36
(1,1806)	1:45:A:THR:H	1:44:A:THR:HB	9	1.36
(1,1662)	1:15:A:ILE:HG13	1:12:A:VAL:HA	8	1.36
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG21	15	1.36
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG22	15	1.36
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG23	15	1.36
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB2	1	1.36
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB3	1	1.36
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB2	7	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB3	7	1.36
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE1	15	1.36
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE2	15	1.36
(1,1516)	1:91:A:SER:H	1:92:A:MET:HE3	15	1.36
(1,1447)	1:65:A:LYS:H	1:66:A:VAL:HB	8	1.36
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE21	11	1.36
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE22	11	1.36
(1,1414)	1:47:A:GLN:H	1:44:A:THR:HB	10	1.36
(1,1409)	1:46:A:VAL:H	1:44:A:THR:HB	4	1.36
(1,1407)	1:45:A:THR:HA	1:47:A:GLN:H	5	1.36
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB2	8	1.36
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB3	8	1.36
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD21	13	1.36
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD22	13	1.36
(1,1276)	1:13:A:PHE:HB2	1:17:A:LEU:HD23	13	1.36
(1,1254)	1:10:A:LEU:H	1:9:A:LEU:HG	7	1.36
(1,2233)	1:101:A:PRO:HB2	1:102:A:LEU:H	3	1.35
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD1	11	1.35
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD2	11	1.35
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB1	14	1.35
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB2	14	1.35
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB3	14	1.35
(1,2201)	1:97:A:VAL:H	1:94:A:ARG:HA	5	1.35
(1,2197)	1:96:A:TYR:HA	1:100:A:ASP:H	1	1.35
(1,2197)	1:96:A:TYR:HA	1:100:A:ASP:H	13	1.35
(1,2197)	1:96:A:TYR:HA	1:100:A:ASP:H	15	1.35
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE2	12	1.35
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE3	12	1.35
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE1	6	1.35
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE2	6	1.35
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE3	6	1.35
(1,2039)	1:78:A:LEU:HA	1:81:A:SER:H	13	1.35
(1,2037)	1:78:A:LEU:HA	1:79:A:LYS:HA	4	1.35
(1,2037)	1:78:A:LEU:HA	1:79:A:LYS:HA	6	1.35
(1,2030)	1:77:A:GLU:HA	1:79:A:LYS:H	5	1.35
(1,2028)	1:77:A:GLU:HG3	1:78:A:LEU:H	10	1.35
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD11	13	1.35
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD12	13	1.35
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD13	13	1.35
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB1	1	1.35
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB2	1	1.35
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB3	1	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB1	2	1.35
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB2	2	1.35
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB3	2	1.35
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB1	12	1.35
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB2	12	1.35
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB3	12	1.35
(1,1978)	1:71:A:LEU:HD21	1:72:A:THR:H	14	1.35
(1,1978)	1:71:A:LEU:HD22	1:72:A:THR:H	14	1.35
(1,1978)	1:71:A:LEU:HD23	1:72:A:THR:H	14	1.35
(1,1975)	1:71:A:LEU:H	1:72:A:THR:HA	8	1.35
(1,1956)	1:68:A:LYS:HB2	1:69:A:ALA:H	5	1.35
(1,1956)	1:68:A:LYS:HB3	1:69:A:ALA:H	5	1.35
(1,1910)	1:64:A:LYS:H	1:62:A:SER:H	2	1.35
(1,1896)	1:63:A:LEU:H	1:60:A:GLN:HA	8	1.35
(1,1896)	1:63:A:LEU:H	1:60:A:GLN:HA	14	1.35
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD1	1	1.35
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD2	1	1.35
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD1	1	1.35
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD2	1	1.35
(1,1882)	1:61:A:ASP:H	1:60:A:GLN:HB2	7	1.35
(1,1864)	1:55:A:LYS:H	1:54:A:LEU:HB2	8	1.35
(1,1864)	1:55:A:LYS:H	1:54:A:LEU:HB2	9	1.35
(1,1860)	1:54:A:LEU:HG	1:55:A:LYS:H	12	1.35
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB2	14	1.35
(1,1857)	1:54:A:LEU:H	1:52:A:GLN:HB3	14	1.35
(1,1840)	1:51:A:THR:HA	1:50:A:LEU:HA	8	1.35
(1,1840)	1:51:A:THR:HA	1:50:A:LEU:HA	9	1.35
(1,1813)	1:45:A:THR:H	1:47:A:GLN:H	4	1.35
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG11	6	1.35
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG12	6	1.35
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG13	6	1.35
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG13	6	1.35
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG12	6	1.35
(1,1593)	1:6:A:PHE:HB3	1:7:A:SER:H	12	1.35
(1,1581)	1:4:A:ILE:HD11	1:5:A:GLY:H	13	1.35
(1,1581)	1:4:A:ILE:HD12	1:5:A:GLY:H	13	1.35
(1,1581)	1:4:A:ILE:HD13	1:5:A:GLY:H	13	1.35
(1,1573)	1:4:A:ILE:HA	1:3:A:ASP:HA	11	1.35
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB2	5	1.35
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB3	5	1.35
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB2	12	1.35
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB3	12	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB2	13	1.35
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB3	13	1.35
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB2	15	1.35
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB3	15	1.35
(1,1447)	1:65:A:LYS:H	1:66:A:VAL:HB	9	1.35
(1,1426)	1:50:A:LEU:H	1:51:A:THR:HA	12	1.35
(1,1422)	1:48:A:ASN:H	1:44:A:THR:HB	4	1.35
(1,1407)	1:45:A:THR:HA	1:47:A:GLN:H	4	1.35
(1,1407)	1:45:A:THR:HA	1:47:A:GLN:H	12	1.35
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB2	6	1.35
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB3	6	1.35
(1,1322)	1:26:A:PRO:HA	1:30:A:LYS:HG2	11	1.35
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG21	1	1.35
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG22	1	1.35
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG23	1	1.35
(1,1281)	1:15:A:ILE:HA	1:11:A:LEU:HG	7	1.35
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB2	11	1.35
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB3	11	1.35
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG21	15	1.35
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG22	15	1.35
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG23	15	1.35
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG21	15	1.35
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG22	15	1.35
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG23	15	1.35
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG11	15	1.35
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG12	15	1.35
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG13	15	1.35
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG11	15	1.35
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG12	15	1.35
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG13	15	1.35
(1,2820)	1:56:A:LEU:HB3	1:51:A:THR:H	2	1.34
(1,2696)	1:56:A:LEU:HB3	1:51:A:THR:H	2	1.34
(1,2572)	1:56:A:LEU:HB3	1:51:A:THR:H	2	1.34
(1,2448)	1:56:A:LEU:HB3	1:51:A:THR:H	2	1.34
(1,2324)	1:56:A:LEU:HB3	1:51:A:THR:H	2	1.34
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD21	14	1.34
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD22	14	1.34
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD23	14	1.34
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB1	2	1.34
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB2	2	1.34
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB3	2	1.34
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB1	2	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB2	2	1.34
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB3	2	1.34
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB1	2	1.34
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB2	2	1.34
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB3	2	1.34
(1,2201)	1:97:A:VAL:H	1:94:A:ARG:HA	6	1.34
(1,2168)	1:94:A:ARG:H	1:92:A:MET:HA	9	1.34
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB1	2	1.34
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB2	2	1.34
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB3	2	1.34
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB1	4	1.34
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB2	4	1.34
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB3	4	1.34
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB1	5	1.34
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB2	5	1.34
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB3	5	1.34
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB1	10	1.34
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB2	10	1.34
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB3	10	1.34
(1,2137)	1:89:A:ALA:HA	1:91:A:SER:H	14	1.34
(1,2042)	1:79:A:LYS:H	1:77:A:GLU:H	13	1.34
(1,2041)	1:79:A:LYS:H	1:75:A:THR:H	6	1.34
(1,2026)	1:77:A:GLU:HG2	1:78:A:LEU:H	5	1.34
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB1	10	1.34
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB2	10	1.34
(1,1979)	1:72:A:THR:H	1:69:A:ALA:HB3	10	1.34
(1,1975)	1:71:A:LEU:H	1:72:A:THR:HA	6	1.34
(1,1960)	1:69:A:ALA:HA	1:72:A:THR:H	6	1.34
(1,1953)	1:68:A:LYS:HG3	1:67:A:GLU:HB2	6	1.34
(1,1920)	1:65:A:LYS:H	1:63:A:LEU:H	3	1.34
(1,1920)	1:65:A:LYS:H	1:63:A:LEU:H	9	1.34
(1,1912)	1:64:A:LYS:H	1:63:A:LEU:HG	8	1.34
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG21	9	1.34
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG22	9	1.34
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG23	9	1.34
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG21	9	1.34
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG22	9	1.34
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG23	9	1.34
(1,1840)	1:51:A:THR:HA	1:50:A:LEU:HA	1	1.34
(1,1840)	1:51:A:THR:HA	1:50:A:LEU:HA	10	1.34
(1,1840)	1:51:A:THR:HA	1:50:A:LEU:HA	13	1.34
(1,1813)	1:45:A:THR:H	1:47:A:GLN:H	3	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG21	3	1.34
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG22	3	1.34
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG23	3	1.34
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG21	9	1.34
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG22	9	1.34
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG23	9	1.34
(1,1674)	1:16:A:GLY:H	1:17:A:LEU:HA	2	1.34
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD21	11	1.34
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD22	11	1.34
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD23	11	1.34
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG11	1	1.34
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG12	1	1.34
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG13	1	1.34
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG11	8	1.34
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG12	8	1.34
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG13	8	1.34
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG11	15	1.34
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG12	15	1.34
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG13	15	1.34
(1,1581)	1:4:A:ILE:HD11	1:5:A:GLY:H	15	1.34
(1,1581)	1:4:A:ILE:HD12	1:5:A:GLY:H	15	1.34
(1,1581)	1:4:A:ILE:HD13	1:5:A:GLY:H	15	1.34
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD1	9	1.34
(1,1532)	1:97:A:VAL:HB	1:96:A:TYR:HD2	9	1.34
(1,1528)	1:96:A:TYR:H	1:94:A:ARG:HA	3	1.34
(1,1409)	1:46:A:VAL:H	1:44:A:THR:HB	8	1.34
(1,1409)	1:46:A:VAL:H	1:44:A:THR:HB	9	1.34
(1,1407)	1:45:A:THR:HA	1:47:A:GLN:H	1	1.34
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB2	7	1.34
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB3	7	1.34
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG2	9	1.34
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG3	9	1.34
(1,1396)	1:44:A:THR:H	1:42:A:LEU:HA	11	1.34
(1,1396)	1:44:A:THR:H	1:42:A:LEU:HA	14	1.34
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG21	3	1.34
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG22	3	1.34
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG23	3	1.34
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG21	7	1.34
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG22	7	1.34
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG23	7	1.34
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG21	11	1.34
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG22	11	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG23	11	1.34
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG21	15	1.34
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG22	15	1.34
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG23	15	1.34
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG12	2	1.34
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG13	2	1.34
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG12	8	1.34
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG13	8	1.34
(1,1281)	1:15:A:ILE:HA	1:11:A:LEU:HG	8	1.34
(1,1281)	1:15:A:ILE:HA	1:11:A:LEU:HG	15	1.34
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG21	1	1.34
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG22	1	1.34
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG23	1	1.34
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG21	1	1.34
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG22	1	1.34
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG23	1	1.34
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG11	1	1.34
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG12	1	1.34
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG13	1	1.34
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG11	1	1.34
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG12	1	1.34
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG13	1	1.34
(1,897)	1:63:A:LEU:H	1:62:A:SER:HB3	10	1.34
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD11	3	1.33
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD12	3	1.33
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD13	3	1.33
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD21	3	1.33
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD22	3	1.33
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD23	3	1.33
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD21	6	1.33
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD22	6	1.33
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD23	6	1.33
(1,2232)	1:101:A:PRO:HA	1:102:A:LEU:HG	4	1.33
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD1	14	1.33
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD2	14	1.33
(1,2194)	1:96:A:TYR:HB2	1:97:A:VAL:H	4	1.33
(1,2194)	1:96:A:TYR:HB2	1:97:A:VAL:H	14	1.33
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG11	12	1.33
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG12	12	1.33
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG13	12	1.33
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG21	12	1.33
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG22	12	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG23	12	1.33
(1,2164)	1:93:A:LYS:HG3	1:97:A:VAL:HB	3	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB1	1	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB2	1	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB3	1	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB1	3	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB2	3	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB3	3	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB1	6	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB2	6	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB3	6	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB1	7	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB2	7	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB3	7	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB1	9	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB2	9	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB3	9	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB1	11	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB2	11	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB3	11	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB1	12	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB2	12	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB3	12	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB1	13	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB2	13	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB3	13	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB1	14	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB2	14	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB3	14	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB1	15	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB2	15	1.33
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB3	15	1.33
(1,2137)	1:89:A:ALA:HA	1:91:A:SER:H	1	1.33
(1,2096)	1:84:A:GLU:H	1:83:A:ASP:HB2	12	1.33
(1,2072)	1:82:A:MET:HA	1:85:A:LEU:HB3	3	1.33
(1,2072)	1:82:A:MET:HA	1:85:A:LEU:HB3	13	1.33
(1,2042)	1:79:A:LYS:H	1:77:A:GLU:H	9	1.33
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG21	4	1.33
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG22	4	1.33
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG23	4	1.33
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG21	14	1.33
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG22	14	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1991)	1:73:A:ASN:H	1:72:A:THR:HG23	14	1.33
(1,1978)	1:71:A:LEU:HD21	1:72:A:THR:H	6	1.33
(1,1978)	1:71:A:LEU:HD22	1:72:A:THR:H	6	1.33
(1,1978)	1:71:A:LEU:HD23	1:72:A:THR:H	6	1.33
(1,1978)	1:71:A:LEU:HD21	1:72:A:THR:H	8	1.33
(1,1978)	1:71:A:LEU:HD22	1:72:A:THR:H	8	1.33
(1,1978)	1:71:A:LEU:HD23	1:72:A:THR:H	8	1.33
(1,1972)	1:71:A:LEU:H	1:69:A:ALA:HA	8	1.33
(1,1956)	1:68:A:LYS:HB2	1:69:A:ALA:H	15	1.33
(1,1956)	1:68:A:LYS:HB3	1:69:A:ALA:H	15	1.33
(1,1947)	1:67:A:GLU:HG2	1:68:A:LYS:H	10	1.33
(1,1947)	1:67:A:GLU:HG3	1:68:A:LYS:H	10	1.33
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD21	13	1.33
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD22	13	1.33
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD23	13	1.33
(1,1920)	1:65:A:LYS:H	1:63:A:LEU:H	11	1.33
(1,1910)	1:64:A:LYS:H	1:62:A:SER:H	3	1.33
(1,1901)	1:63:A:LEU:H	1:62:A:SER:HB2	7	1.33
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD1	8	1.33
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD2	8	1.33
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD1	8	1.33
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD2	8	1.33
(1,1864)	1:55:A:LYS:H	1:54:A:LEU:HB2	13	1.33
(1,1833)	1:48:A:ASN:HA	1:49:A:GLU:HB2	2	1.33
(1,1813)	1:45:A:THR:H	1:47:A:GLN:H	7	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG21	1	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG22	1	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG23	1	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG21	3	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG22	3	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG23	3	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG21	4	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG22	4	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG23	4	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG21	5	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG22	5	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG23	5	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG21	6	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG22	6	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG23	6	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG21	7	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG22	7	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG23	7	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG21	8	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG22	8	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG23	8	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG21	10	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG22	10	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG23	10	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG21	14	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG22	14	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG23	14	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG21	15	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG22	15	1.33
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG23	15	1.33
(1,1662)	1:15:A:ILE:HG13	1:12:A:VAL:HA	3	1.33
(1,1655)	1:14:A:ILE:HG12	1:13:A:PHE:HD1	11	1.33
(1,1655)	1:14:A:ILE:HG12	1:13:A:PHE:HD2	11	1.33
(1,1655)	1:14:A:ILE:HG13	1:13:A:PHE:HD1	11	1.33
(1,1655)	1:14:A:ILE:HG13	1:13:A:PHE:HD2	11	1.33
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG11	2	1.33
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG12	2	1.33
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG13	2	1.33
(1,1603)	1:6:A:PHE:HA	1:10:A:LEU:H	13	1.33
(1,1531)	1:96:A:TYR:HB2	1:98:A:ALA:H	8	1.33
(1,1531)	1:96:A:TYR:HB3	1:98:A:ALA:H	8	1.33
(1,1526)	1:95:A:SER:HA	1:94:A:ARG:HG2	1	1.33
(1,1470)	1:73:A:ASN:HB2	1:72:A:THR:H	13	1.33
(1,1470)	1:73:A:ASN:HB3	1:72:A:THR:H	13	1.33
(1,1447)	1:65:A:LYS:H	1:66:A:VAL:HB	3	1.33
(1,1447)	1:65:A:LYS:H	1:66:A:VAL:HB	13	1.33
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD11	3	1.33
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD12	3	1.33
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD13	3	1.33
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD21	3	1.33
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD22	3	1.33
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD23	3	1.33
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD11	4	1.33
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD12	4	1.33
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD13	4	1.33
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD21	4	1.33
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD22	4	1.33
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD23	4	1.33
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD11	12	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD12	12	1.33
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD13	12	1.33
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD21	12	1.33
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD22	12	1.33
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD23	12	1.33
(1,1422)	1:48:A:ASN:H	1:44:A:THR:HB	3	1.33
(1,1409)	1:46:A:VAL:H	1:44:A:THR:HB	7	1.33
(1,1409)	1:46:A:VAL:H	1:44:A:THR:HB	13	1.33
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG2	8	1.33
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG3	8	1.33
(1,1396)	1:44:A:THR:H	1:42:A:LEU:HA	8	1.33
(1,1396)	1:44:A:THR:H	1:42:A:LEU:HA	9	1.33
(1,1396)	1:44:A:THR:H	1:42:A:LEU:HA	13	1.33
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB1	7	1.33
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB2	7	1.33
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB3	7	1.33
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB1	7	1.33
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB2	7	1.33
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB3	7	1.33
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB1	7	1.33
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB2	7	1.33
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB3	7	1.33
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB1	10	1.33
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB2	10	1.33
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB3	10	1.33
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB1	10	1.33
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB2	10	1.33
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB3	10	1.33
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB1	10	1.33
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB2	10	1.33
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB3	10	1.33
(1,1325)	1:27:A:VAL:HB	1:24:A:ARG:HG2	1	1.33
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG21	8	1.33
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG22	8	1.33
(1,1305)	1:19:A:VAL:H	1:15:A:ILE:HG23	8	1.33
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG12	15	1.33
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG13	15	1.33
(1,1281)	1:15:A:ILE:HA	1:11:A:LEU:HG	3	1.33
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB2	3	1.33
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB3	3	1.33
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB2	7	1.33
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB3	7	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG21	3	1.33
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG22	3	1.33
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG23	3	1.33
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG21	3	1.33
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG22	3	1.33
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG23	3	1.33
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG11	3	1.33
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG12	3	1.33
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG13	3	1.33
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG11	3	1.33
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG12	3	1.33
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG13	3	1.33
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG21	8	1.33
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG22	8	1.33
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG23	8	1.33
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG21	8	1.33
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG22	8	1.33
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG23	8	1.33
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG11	8	1.33
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG12	8	1.33
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG13	8	1.33
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG11	8	1.33
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG12	8	1.33
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG13	8	1.33
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD11	11	1.32
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD12	11	1.32
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD13	11	1.32
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD21	11	1.32
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD22	11	1.32
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD23	11	1.32
(1,2237)	1:102:A:LEU:H	1:103:A:GLU:HA	2	1.32
(1,2233)	1:101:A:PRO:HB2	1:102:A:LEU:H	14	1.32
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE1	11	1.32
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE2	11	1.32
(1,2164)	1:93:A:LYS:HG3	1:97:A:VAL:HB	11	1.32
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB1	14	1.32
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB2	14	1.32
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB3	14	1.32
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB1	14	1.32
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB2	14	1.32
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB3	14	1.32
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB1	8	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB2	8	1.32
(1,2143)	1:90:A:GLU:HA	1:89:A:ALA:HB3	8	1.32
(1,2072)	1:82:A:MET:HA	1:85:A:LEU:HB3	9	1.32
(1,2042)	1:79:A:LYS:H	1:77:A:GLU:H	3	1.32
(1,2039)	1:78:A:LEU:HA	1:81:A:SER:H	12	1.32
(1,2028)	1:77:A:GLU:HG3	1:78:A:LEU:H	1	1.32
(1,1947)	1:67:A:GLU:HG2	1:68:A:LYS:H	1	1.32
(1,1947)	1:67:A:GLU:HG3	1:68:A:LYS:H	1	1.32
(1,1947)	1:67:A:GLU:HG2	1:68:A:LYS:H	6	1.32
(1,1947)	1:67:A:GLU:HG3	1:68:A:LYS:H	6	1.32
(1,1947)	1:67:A:GLU:HG2	1:68:A:LYS:H	12	1.32
(1,1947)	1:67:A:GLU:HG3	1:68:A:LYS:H	12	1.32
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD21	1	1.32
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD22	1	1.32
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD23	1	1.32
(1,1910)	1:64:A:LYS:H	1:62:A:SER:H	4	1.32
(1,1898)	1:63:A:LEU:H	1:61:A:ASP:H	9	1.32
(1,1824)	1:46:A:VAL:H	1:48:A:ASN:H	7	1.32
(1,1824)	1:46:A:VAL:H	1:48:A:ASN:H	14	1.32
(1,1813)	1:45:A:THR:H	1:47:A:GLN:H	6	1.32
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG21	13	1.32
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG22	13	1.32
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG23	13	1.32
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD11	12	1.32
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD12	12	1.32
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD13	12	1.32
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD21	12	1.32
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD22	12	1.32
(1,1683)	1:18:A:VAL:H	1:17:A:LEU:HD23	12	1.32
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG11	3	1.32
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG12	3	1.32
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG13	3	1.32
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG11	9	1.32
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG12	9	1.32
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG13	9	1.32
(1,1605)	1:8:A:GLU:HB2	1:4:A:ILE:HB	12	1.32
(1,1599)	1:6:A:PHE:HB3	1:9:A:LEU:HB2	12	1.32
(1,1599)	1:6:A:PHE:HB2	1:9:A:LEU:HB2	12	1.32
(1,1552)	1:2:A:PHE:H	1:3:A:ASP:HB2	4	1.32
(1,1534)	1:97:A:VAL:H	1:98:A:ALA:HA	9	1.32
(1,1526)	1:95:A:SER:HA	1:94:A:ARG:HG2	5	1.32
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB2	10	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB3	10	1.32
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB2	11	1.32
(1,1525)	1:94:A:ARG:H	1:90:A:GLU:HB3	11	1.32
(1,1447)	1:65:A:LYS:H	1:66:A:VAL:HB	2	1.32
(1,1447)	1:65:A:LYS:H	1:66:A:VAL:HB	12	1.32
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD11	6	1.32
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD12	6	1.32
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD13	6	1.32
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD21	6	1.32
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD22	6	1.32
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD23	6	1.32
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD11	10	1.32
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD12	10	1.32
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD13	10	1.32
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD21	10	1.32
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD22	10	1.32
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD23	10	1.32
(1,1425)	1:48:A:ASN:HA	1:51:A:THR:H	11	1.32
(1,1412)	1:47:A:GLN:H	1:43:A:ALA:HA	10	1.32
(1,1407)	1:45:A:THR:HA	1:47:A:GLN:H	3	1.32
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB2	1	1.32
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB3	1	1.32
(1,1396)	1:44:A:THR:H	1:42:A:LEU:HA	1	1.32
(1,1396)	1:44:A:THR:H	1:42:A:LEU:HA	6	1.32
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB1	2	1.32
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB2	2	1.32
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB3	2	1.32
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB1	3	1.32
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB2	3	1.32
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB3	3	1.32
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB1	3	1.32
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB2	3	1.32
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB3	3	1.32
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB1	3	1.32
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB2	3	1.32
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB3	3	1.32
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB1	6	1.32
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB2	6	1.32
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB3	6	1.32
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB1	6	1.32
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB2	6	1.32
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB3	6	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB1	6	1.32
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB2	6	1.32
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB3	6	1.32
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB1	9	1.32
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB2	9	1.32
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB3	9	1.32
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB1	9	1.32
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB2	9	1.32
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB3	9	1.32
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB1	9	1.32
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB2	9	1.32
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB3	9	1.32
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB1	11	1.32
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB2	11	1.32
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB3	11	1.32
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB1	11	1.32
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB2	11	1.32
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB3	11	1.32
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB1	11	1.32
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB2	11	1.32
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB3	11	1.32
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB1	12	1.32
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB2	12	1.32
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB3	12	1.32
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB1	12	1.32
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB2	12	1.32
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB3	12	1.32
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB1	12	1.32
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB2	12	1.32
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB3	12	1.32
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG12	4	1.32
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG13	4	1.32
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG12	10	1.32
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG13	10	1.32
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG12	14	1.32
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG13	14	1.32
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB2	2	1.32
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	2	1.32
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB2	2	1.32
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	2	1.32
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB2	2	1.32
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	2	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,904)	1:74:A:LEU:H	1:70:A:SER:HA	1	1.32
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD11	6	1.31
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD12	6	1.31
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD13	6	1.31
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD21	6	1.31
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD22	6	1.31
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD23	6	1.31
(1,2242)	1:103:A:GLU:HG3	1:102:A:LEU:HA	3	1.31
(1,2233)	1:101:A:PRO:HB2	1:102:A:LEU:H	10	1.31
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE1	10	1.31
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE2	10	1.31
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB1	6	1.31
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB2	6	1.31
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB3	6	1.31
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB1	6	1.31
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB2	6	1.31
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB3	6	1.31
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB1	10	1.31
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB2	10	1.31
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB3	10	1.31
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB1	10	1.31
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB2	10	1.31
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB3	10	1.31
(1,2146)	1:90:A:GLU:HG3	1:91:A:SER:H	5	1.31
(1,2146)	1:90:A:GLU:HG2	1:91:A:SER:H	5	1.31
(1,2137)	1:89:A:ALA:HA	1:91:A:SER:H	6	1.31
(1,2072)	1:82:A:MET:HA	1:85:A:LEU:HB3	5	1.31
(1,2072)	1:82:A:MET:HA	1:85:A:LEU:HB3	6	1.31
(1,2068)	1:82:A:MET:H	1:79:A:LYS:HA	6	1.31
(1,2039)	1:78:A:LEU:HA	1:81:A:SER:H	1	1.31
(1,2039)	1:78:A:LEU:HA	1:81:A:SER:H	2	1.31
(1,2039)	1:78:A:LEU:HA	1:81:A:SER:H	10	1.31
(1,2028)	1:77:A:GLU:HG3	1:78:A:LEU:H	12	1.31
(1,2026)	1:77:A:GLU:HG2	1:78:A:LEU:H	11	1.31
(1,2004)	1:74:A:LEU:HB2	1:75:A:THR:H	1	1.31
(1,2004)	1:74:A:LEU:HB3	1:75:A:THR:H	1	1.31
(1,2004)	1:74:A:LEU:HB2	1:75:A:THR:H	5	1.31
(1,2004)	1:74:A:LEU:HB3	1:75:A:THR:H	5	1.31
(1,2004)	1:74:A:LEU:HB2	1:75:A:THR:H	7	1.31
(1,2004)	1:74:A:LEU:HB3	1:75:A:THR:H	7	1.31
(1,2004)	1:74:A:LEU:HB2	1:75:A:THR:H	12	1.31
(1,2004)	1:74:A:LEU:HB3	1:75:A:THR:H	12	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1972)	1:71:A:LEU:H	1:69:A:ALA:HA	6	1.31
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG21	13	1.31
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG22	13	1.31
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG23	13	1.31
(1,1947)	1:67:A:GLU:HG2	1:68:A:LYS:H	11	1.31
(1,1947)	1:67:A:GLU:HG3	1:68:A:LYS:H	11	1.31
(1,1920)	1:65:A:LYS:H	1:63:A:LEU:H	4	1.31
(1,1906)	1:63:A:LEU:HA	1:66:A:VAL:H	15	1.31
(1,1898)	1:63:A:LEU:H	1:61:A:ASP:H	7	1.31
(1,1896)	1:63:A:LEU:H	1:60:A:GLN:HA	1	1.31
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD21	12	1.31
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD22	12	1.31
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD23	12	1.31
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG21	5	1.31
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG22	5	1.31
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG23	5	1.31
(1,1834)	1:48:A:ASN:HB3	1:49:A:GLU:H	5	1.31
(1,1834)	1:48:A:ASN:HB2	1:49:A:GLU:H	5	1.31
(1,1824)	1:46:A:VAL:H	1:48:A:ASN:H	13	1.31
(1,1823)	1:46:A:VAL:HA	1:48:A:ASN:H	15	1.31
(1,1816)	1:45:A:THR:H	1:48:A:ASN:H	2	1.31
(1,1662)	1:15:A:ILE:HG13	1:12:A:VAL:HA	7	1.31
(1,1662)	1:15:A:ILE:HG13	1:12:A:VAL:HA	15	1.31
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG11	14	1.31
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG12	14	1.31
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG13	14	1.31
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG21	6	1.31
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG22	6	1.31
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG23	6	1.31
(1,1599)	1:6:A:PHE:HB3	1:9:A:LEU:HB2	11	1.31
(1,1599)	1:6:A:PHE:HB2	1:9:A:LEU:HB2	11	1.31
(1,1595)	1:6:A:PHE:HB2	1:7:A:SER:H	12	1.31
(1,1552)	1:2:A:PHE:H	1:3:A:ASP:HB2	2	1.31
(1,1552)	1:2:A:PHE:H	1:3:A:ASP:HB2	6	1.31
(1,1552)	1:2:A:PHE:H	1:3:A:ASP:HB2	12	1.31
(1,1447)	1:65:A:LYS:H	1:66:A:VAL:HB	7	1.31
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG2	10	1.31
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG3	10	1.31
(1,1409)	1:46:A:VAL:H	1:44:A:THR:HB	14	1.31
(1,1407)	1:45:A:THR:HA	1:47:A:GLN:H	15	1.31
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB2	8	1.31
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB3	8	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1396)	1:44:A:THR:H	1:42:A:LEU:HA	2	1.31
(1,1396)	1:44:A:THR:H	1:42:A:LEU:HA	12	1.31
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB1	1	1.31
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB2	1	1.31
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB3	1	1.31
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG12	1	1.31
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG13	1	1.31
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG12	5	1.31
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG13	5	1.31
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG12	6	1.31
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG13	6	1.31
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB2	15	1.31
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB3	15	1.31
(1,904)	1:74:A:LEU:H	1:70:A:SER:HA	2	1.31
(1,904)	1:74:A:LEU:H	1:70:A:SER:HA	10	1.31
(1,904)	1:74:A:LEU:H	1:70:A:SER:HA	11	1.31
(1,904)	1:74:A:LEU:H	1:70:A:SER:HA	12	1.31
(1,2245)	1:103:A:GLU:H	1:102:A:LEU:HB2	6	1.3
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD11	6	1.3
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD12	6	1.3
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD13	6	1.3
(1,2238)	1:103:A:GLU:H	1:100:A:ASP:HB2	11	1.3
(1,2238)	1:103:A:GLU:H	1:100:A:ASP:HB3	11	1.3
(1,2233)	1:101:A:PRO:HB2	1:102:A:LEU:H	5	1.3
(1,2233)	1:101:A:PRO:HB2	1:102:A:LEU:H	6	1.3
(1,2233)	1:101:A:PRO:HB2	1:102:A:LEU:H	7	1.3
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB1	8	1.3
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB2	8	1.3
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB3	8	1.3
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB1	6	1.3
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB2	6	1.3
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB3	6	1.3
(1,2146)	1:90:A:GLU:HG3	1:91:A:SER:H	2	1.3
(1,2146)	1:90:A:GLU:HG2	1:91:A:SER:H	2	1.3
(1,2146)	1:90:A:GLU:HG3	1:91:A:SER:H	4	1.3
(1,2146)	1:90:A:GLU:HG2	1:91:A:SER:H	4	1.3
(1,2146)	1:90:A:GLU:HG3	1:91:A:SER:H	10	1.3
(1,2146)	1:90:A:GLU:HG2	1:91:A:SER:H	10	1.3
(1,2146)	1:90:A:GLU:HG3	1:91:A:SER:H	11	1.3
(1,2146)	1:90:A:GLU:HG2	1:91:A:SER:H	11	1.3
(1,2137)	1:89:A:ALA:HA	1:91:A:SER:H	3	1.3
(1,2072)	1:82:A:MET:HA	1:85:A:LEU:HB3	4	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2072)	1:82:A:MET:HA	1:85:A:LEU:HB3	15	1.3
(1,2068)	1:82:A:MET:H	1:79:A:LYS:HA	3	1.3
(1,2068)	1:82:A:MET:H	1:79:A:LYS:HA	9	1.3
(1,2068)	1:82:A:MET:H	1:79:A:LYS:HA	12	1.3
(1,2068)	1:82:A:MET:H	1:79:A:LYS:HA	13	1.3
(1,2045)	1:79:A:LYS:H	1:78:A:LEU:HG	14	1.3
(1,2039)	1:78:A:LEU:HA	1:81:A:SER:H	11	1.3
(1,2039)	1:78:A:LEU:HA	1:81:A:SER:H	15	1.3
(1,2004)	1:74:A:LEU:HB2	1:75:A:THR:H	2	1.3
(1,2004)	1:74:A:LEU:HB3	1:75:A:THR:H	2	1.3
(1,2004)	1:74:A:LEU:HB2	1:75:A:THR:H	10	1.3
(1,2004)	1:74:A:LEU:HB3	1:75:A:THR:H	10	1.3
(1,2004)	1:74:A:LEU:HB2	1:75:A:THR:H	11	1.3
(1,2004)	1:74:A:LEU:HB3	1:75:A:THR:H	11	1.3
(1,2004)	1:74:A:LEU:HB2	1:75:A:THR:H	15	1.3
(1,2004)	1:74:A:LEU:HB3	1:75:A:THR:H	15	1.3
(1,1947)	1:67:A:GLU:HG2	1:68:A:LYS:H	2	1.3
(1,1947)	1:67:A:GLU:HG3	1:68:A:LYS:H	2	1.3
(1,1947)	1:67:A:GLU:HG2	1:68:A:LYS:H	8	1.3
(1,1947)	1:67:A:GLU:HG3	1:68:A:LYS:H	8	1.3
(1,1912)	1:64:A:LYS:H	1:63:A:LEU:HG	9	1.3
(1,1906)	1:63:A:LEU:HA	1:66:A:VAL:H	5	1.3
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD1	4	1.3
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD2	4	1.3
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD1	4	1.3
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD2	4	1.3
(1,1816)	1:45:A:THR:H	1:48:A:ASN:H	8	1.3
(1,1816)	1:45:A:THR:H	1:48:A:ASN:H	9	1.3
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB2	2	1.3
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB3	2	1.3
(1,1674)	1:16:A:GLY:H	1:17:A:LEU:HA	1	1.3
(1,1674)	1:16:A:GLY:H	1:17:A:LEU:HA	3	1.3
(1,1674)	1:16:A:GLY:H	1:17:A:LEU:HA	4	1.3
(1,1674)	1:16:A:GLY:H	1:17:A:LEU:HA	7	1.3
(1,1674)	1:16:A:GLY:H	1:17:A:LEU:HA	8	1.3
(1,1674)	1:16:A:GLY:H	1:17:A:LEU:HA	10	1.3
(1,1674)	1:16:A:GLY:H	1:17:A:LEU:HA	14	1.3
(1,1674)	1:16:A:GLY:H	1:17:A:LEU:HA	15	1.3
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG11	4	1.3
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG12	4	1.3
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG13	4	1.3
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG11	10	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG12	10	1.3
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG13	10	1.3
(1,1625)	1:10:A:LEU:HA	1:13:A:PHE:H	10	1.3
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG21	1	1.3
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG22	1	1.3
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG23	1	1.3
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG21	2	1.3
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG22	2	1.3
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG23	2	1.3
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG21	9	1.3
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG22	9	1.3
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG23	9	1.3
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG21	10	1.3
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG22	10	1.3
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG23	10	1.3
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG21	14	1.3
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG22	14	1.3
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG23	14	1.3
(1,1595)	1:6:A:PHE:HB2	1:7:A:SER:H	7	1.3
(1,1552)	1:2:A:PHE:H	1:3:A:ASP:HB2	10	1.3
(1,1447)	1:65:A:LYS:H	1:66:A:VAL:HB	4	1.3
(1,1447)	1:65:A:LYS:H	1:66:A:VAL:HB	11	1.3
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG21	4	1.3
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG22	4	1.3
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG23	4	1.3
(1,1403)	1:45:A:THR:HB	1:41:A:SER:HA	11	1.3
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB1	11	1.3
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB2	11	1.3
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB3	11	1.3
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB1	5	1.3
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB2	5	1.3
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB3	5	1.3
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB1	5	1.3
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB2	5	1.3
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB3	5	1.3
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB1	5	1.3
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB2	5	1.3
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB3	5	1.3
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB1	13	1.3
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB2	13	1.3
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB3	13	1.3
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB1	13	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB2	13	1.3
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB3	13	1.3
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB1	13	1.3
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB2	13	1.3
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB3	13	1.3
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB2	7	1.3
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB3	7	1.3
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG11	11	1.3
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG12	11	1.3
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG13	11	1.3
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG21	10	1.29
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG22	10	1.29
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG23	10	1.29
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG21	10	1.29
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG22	10	1.29
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG23	10	1.29
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG21	10	1.29
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG22	10	1.29
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG23	10	1.29
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG21	10	1.29
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG22	10	1.29
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG23	10	1.29
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG21	10	1.29
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG22	10	1.29
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG23	10	1.29
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG21	10	1.29
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG22	10	1.29
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG23	10	1.29
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG21	10	1.29
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG22	10	1.29
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG23	10	1.29
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG21	10	1.29
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG22	10	1.29
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG23	10	1.29
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG21	10	1.29
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG22	10	1.29
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG23	10	1.29
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG21	10	1.29
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG22	10	1.29
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG23	10	1.29
(1,2237)	1:102:A:LEU:H	1:103:A:GLU:HA	12	1.29
(1,2233)	1:101:A:PRO:HB2	1:102:A:LEU:H	9	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2232)	1:101:A:PRO:HA	1:102:A:LEU:HG	10	1.29
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB1	8	1.29
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB2	8	1.29
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB3	8	1.29
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB1	10	1.29
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB2	10	1.29
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB3	10	1.29
(1,2194)	1:96:A:TYR:HB2	1:97:A:VAL:H	11	1.29
(1,2146)	1:90:A:GLU:HG3	1:91:A:SER:H	9	1.29
(1,2146)	1:90:A:GLU:HG2	1:91:A:SER:H	9	1.29
(1,2137)	1:89:A:ALA:HA	1:91:A:SER:H	7	1.29
(1,2137)	1:89:A:ALA:HA	1:91:A:SER:H	12	1.29
(1,2137)	1:89:A:ALA:HA	1:91:A:SER:H	13	1.29
(1,2137)	1:89:A:ALA:HA	1:91:A:SER:H	15	1.29
(1,2113)	1:85:A:LEU:HB3	1:89:A:ALA:H	14	1.29
(1,2072)	1:82:A:MET:HA	1:85:A:LEU:HB3	1	1.29
(1,2072)	1:82:A:MET:HA	1:85:A:LEU:HB3	2	1.29
(1,2072)	1:82:A:MET:HA	1:85:A:LEU:HB3	8	1.29
(1,2072)	1:82:A:MET:HA	1:85:A:LEU:HB3	10	1.29
(1,2072)	1:82:A:MET:HA	1:85:A:LEU:HB3	11	1.29
(1,2068)	1:82:A:MET:H	1:79:A:LYS:HA	1	1.29
(1,2068)	1:82:A:MET:H	1:79:A:LYS:HA	4	1.29
(1,2068)	1:82:A:MET:H	1:79:A:LYS:HA	8	1.29
(1,2068)	1:82:A:MET:H	1:79:A:LYS:HA	10	1.29
(1,2068)	1:82:A:MET:H	1:79:A:LYS:HA	15	1.29
(1,2045)	1:79:A:LYS:H	1:78:A:LEU:HG	5	1.29
(1,2039)	1:78:A:LEU:HA	1:81:A:SER:H	5	1.29
(1,2028)	1:77:A:GLU:HG3	1:78:A:LEU:H	11	1.29
(1,1966)	1:70:A:SER:HA	1:72:A:THR:H	15	1.29
(1,1953)	1:68:A:LYS:HG3	1:67:A:GLU:HB2	14	1.29
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG21	7	1.29
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG22	7	1.29
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG23	7	1.29
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD11	15	1.29
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD12	15	1.29
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD13	15	1.29
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD21	15	1.29
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD22	15	1.29
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD23	15	1.29
(1,1920)	1:65:A:LYS:H	1:63:A:LEU:H	13	1.29
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD21	11	1.29
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD22	11	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD23	11	1.29
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD11	11	1.29
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD12	11	1.29
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD13	11	1.29
(1,1906)	1:63:A:LEU:HA	1:66:A:VAL:H	9	1.29
(1,1896)	1:63:A:LEU:H	1:60:A:GLN:HA	11	1.29
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD1	3	1.29
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD2	3	1.29
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD1	3	1.29
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD2	3	1.29
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD1	13	1.29
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD2	13	1.29
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD1	13	1.29
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD2	13	1.29
(1,1889)	1:62:A:SER:H	1:60:A:GLN:HA	9	1.29
(1,1889)	1:62:A:SER:H	1:60:A:GLN:HA	10	1.29
(1,1840)	1:51:A:THR:HA	1:50:A:LEU:HA	11	1.29
(1,1840)	1:51:A:THR:HA	1:50:A:LEU:HA	14	1.29
(1,1834)	1:48:A:ASN:HB3	1:49:A:GLU:H	3	1.29
(1,1834)	1:48:A:ASN:HB2	1:49:A:GLU:H	3	1.29
(1,1816)	1:45:A:THR:H	1:48:A:ASN:H	12	1.29
(1,1674)	1:16:A:GLY:H	1:17:A:LEU:HA	5	1.29
(1,1674)	1:16:A:GLY:H	1:17:A:LEU:HA	6	1.29
(1,1674)	1:16:A:GLY:H	1:17:A:LEU:HA	11	1.29
(1,1642)	1:13:A:PHE:HA	1:14:A:ILE:HA	9	1.29
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG11	7	1.29
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG12	7	1.29
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG13	7	1.29
(1,1625)	1:10:A:LEU:HA	1:13:A:PHE:H	2	1.29
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG21	4	1.29
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG22	4	1.29
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG23	4	1.29
(1,1541)	1:1:A:MET:HE1	1:2:A:PHE:HZ	4	1.29
(1,1541)	1:1:A:MET:HE2	1:2:A:PHE:HZ	4	1.29
(1,1541)	1:1:A:MET:HE3	1:2:A:PHE:HZ	4	1.29
(1,1541)	1:1:A:MET:HE1	1:2:A:PHE:HZ	7	1.29
(1,1541)	1:1:A:MET:HE2	1:2:A:PHE:HZ	7	1.29
(1,1541)	1:1:A:MET:HE3	1:2:A:PHE:HZ	7	1.29
(1,1531)	1:96:A:TYR:HB2	1:98:A:ALA:H	4	1.29
(1,1531)	1:96:A:TYR:HB3	1:98:A:ALA:H	4	1.29
(1,1531)	1:96:A:TYR:HB2	1:98:A:ALA:H	10	1.29
(1,1531)	1:96:A:TYR:HB3	1:98:A:ALA:H	10	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1528)	1:96:A:TYR:H	1:94:A:ARG:HA	10	1.29
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD3	4	1.29
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD2	4	1.29
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD3	14	1.29
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD2	14	1.29
(1,1447)	1:65:A:LYS:H	1:66:A:VAL:HB	1	1.29
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD2	9	1.29
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD3	9	1.29
(1,1425)	1:48:A:ASN:HA	1:51:A:THR:H	10	1.29
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB2	5	1.29
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB3	5	1.29
(1,1396)	1:44:A:THR:H	1:42:A:LEU:HA	10	1.29
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG21	4	1.29
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG22	4	1.29
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG23	4	1.29
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB1	3	1.29
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB2	3	1.29
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB3	3	1.29
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB1	6	1.29
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB2	6	1.29
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB3	6	1.29
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB1	9	1.29
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB2	9	1.29
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB3	9	1.29
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB1	10	1.29
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB2	10	1.29
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB3	10	1.29
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB1	8	1.29
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB2	8	1.29
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB3	8	1.29
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB1	8	1.29
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB2	8	1.29
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB3	8	1.29
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB1	8	1.29
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB2	8	1.29
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB3	8	1.29
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB1	15	1.29
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB2	15	1.29
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB3	15	1.29
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB1	15	1.29
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB2	15	1.29
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB3	15	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB1	15	1.29
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB2	15	1.29
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB3	15	1.29
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG21	5	1.29
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG22	5	1.29
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG23	5	1.29
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG21	6	1.29
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG22	6	1.29
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG23	6	1.29
(1,1281)	1:15:A:ILE:HA	1:11:A:LEU:HG	11	1.29
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG21	7	1.29
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG22	7	1.29
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG23	7	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG21	7	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG22	7	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG23	7	1.29
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG11	7	1.29
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG12	7	1.29
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG13	7	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG11	7	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG12	7	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG13	7	1.29
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG21	12	1.29
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG22	12	1.29
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG23	12	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG21	12	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG22	12	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG23	12	1.29
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG11	12	1.29
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG12	12	1.29
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG13	12	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG11	12	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG12	12	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG13	12	1.29
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG21	14	1.29
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG22	14	1.29
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG23	14	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG21	14	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG22	14	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG23	14	1.29
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG11	14	1.29
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG12	14	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG13	14	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG11	14	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG12	14	1.29
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG13	14	1.29
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD21	2	1.28
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD22	2	1.28
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD23	2	1.28
(1,2237)	1:102:A:LEU:H	1:103:A:GLU:HA	13	1.28
(1,2237)	1:102:A:LEU:H	1:103:A:GLU:HA	15	1.28
(1,2235)	1:102:A:LEU:H	1:100:A:ASP:HA	8	1.28
(1,2233)	1:101:A:PRO:HB2	1:102:A:LEU:H	8	1.28
(1,2210)	1:97:A:VAL:HA	1:100:A:ASP:H	3	1.28
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB1	6	1.28
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB2	6	1.28
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB3	6	1.28
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB1	6	1.28
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB2	6	1.28
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB3	6	1.28
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB1	6	1.28
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB2	6	1.28
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB3	6	1.28
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD1	4	1.28
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD2	4	1.28
(1,2194)	1:96:A:TYR:HB2	1:97:A:VAL:H	10	1.28
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG11	1	1.28
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG12	1	1.28
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG13	1	1.28
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG21	1	1.28
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG22	1	1.28
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG23	1	1.28
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB1	2	1.28
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB2	2	1.28
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB3	2	1.28
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB1	2	1.28
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB2	2	1.28
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB3	2	1.28
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB1	9	1.28
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB2	9	1.28
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB3	9	1.28
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB1	9	1.28
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB2	9	1.28
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB3	9	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2137)	1:89:A:ALA:HA	1:91:A:SER:H	8	1.28
(1,2096)	1:84:A:GLU:H	1:83:A:ASP:HB2	11	1.28
(1,2068)	1:82:A:MET:H	1:79:A:LYS:HA	5	1.28
(1,2068)	1:82:A:MET:H	1:79:A:LYS:HA	11	1.28
(1,2045)	1:79:A:LYS:H	1:78:A:LEU:HG	2	1.28
(1,2045)	1:79:A:LYS:H	1:78:A:LEU:HG	4	1.28
(1,2045)	1:79:A:LYS:H	1:78:A:LEU:HG	11	1.28
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD11	2	1.28
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD12	2	1.28
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD13	2	1.28
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD21	2	1.28
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD22	2	1.28
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD23	2	1.28
(1,2026)	1:77:A:GLU:HG2	1:78:A:LEU:H	10	1.28
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD11	13	1.28
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD12	13	1.28
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD13	13	1.28
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD21	13	1.28
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD22	13	1.28
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD23	13	1.28
(1,1932)	1:65:A:LYS:HA	1:68:A:LYS:H	10	1.28
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE2	5	1.28
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE3	5	1.28
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD21	9	1.28
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD22	9	1.28
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD23	9	1.28
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD11	9	1.28
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD12	9	1.28
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD13	9	1.28
(1,1906)	1:63:A:LEU:HA	1:66:A:VAL:H	13	1.28
(1,1896)	1:63:A:LEU:H	1:60:A:GLN:HA	6	1.28
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG21	8	1.28
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG22	8	1.28
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG23	8	1.28
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG21	8	1.28
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG22	8	1.28
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG23	8	1.28
(1,1815)	1:45:A:THR:HA	1:48:A:ASN:H	15	1.28
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG21	2	1.28
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG22	2	1.28
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG23	2	1.28
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG21	13	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG22	13	1.28
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG23	13	1.28
(1,1642)	1:13:A:PHE:HA	1:14:A:ILE:HA	2	1.28
(1,1642)	1:13:A:PHE:HA	1:14:A:ILE:HA	10	1.28
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG11	2	1.28
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG12	2	1.28
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG13	2	1.28
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG21	11	1.28
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG22	11	1.28
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG23	11	1.28
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB1	7	1.28
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB2	7	1.28
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB3	7	1.28
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB1	4	1.28
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB2	4	1.28
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB3	4	1.28
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB1	4	1.28
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB2	4	1.28
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB3	4	1.28
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB1	4	1.28
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB2	4	1.28
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB3	4	1.28
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB1	14	1.28
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB2	14	1.28
(1,1332)	1:31:A:THR:HG21	1:28:A:ALA:HB3	14	1.28
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB1	14	1.28
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB2	14	1.28
(1,1332)	1:31:A:THR:HG22	1:28:A:ALA:HB3	14	1.28
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB1	14	1.28
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB2	14	1.28
(1,1332)	1:31:A:THR:HG23	1:28:A:ALA:HB3	14	1.28
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG21	1	1.28
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG22	1	1.28
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG23	1	1.28
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB2	8	1.28
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	8	1.28
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB2	8	1.28
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	8	1.28
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB2	8	1.28
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	8	1.28
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG21	2	1.28
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG22	2	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG23	2	1.28
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG21	2	1.28
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG22	2	1.28
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG23	2	1.28
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG11	2	1.28
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG12	2	1.28
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG13	2	1.28
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG11	2	1.28
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG12	2	1.28
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG13	2	1.28
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG21	4	1.28
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG22	4	1.28
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG23	4	1.28
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG21	4	1.28
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG22	4	1.28
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG23	4	1.28
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG11	4	1.28
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG12	4	1.28
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG13	4	1.28
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG11	4	1.28
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG12	4	1.28
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG13	4	1.28
(1,955)	1:10:A:LEU:HD11	1:13:A:PHE:HD1	6	1.28
(1,955)	1:10:A:LEU:HD11	1:13:A:PHE:HD2	6	1.28
(1,955)	1:10:A:LEU:HD12	1:13:A:PHE:HD1	6	1.28
(1,955)	1:10:A:LEU:HD12	1:13:A:PHE:HD2	6	1.28
(1,955)	1:10:A:LEU:HD13	1:13:A:PHE:HD1	6	1.28
(1,955)	1:10:A:LEU:HD13	1:13:A:PHE:HD2	6	1.28
(1,955)	1:10:A:LEU:HD21	1:13:A:PHE:HD1	6	1.28
(1,955)	1:10:A:LEU:HD21	1:13:A:PHE:HD2	6	1.28
(1,955)	1:10:A:LEU:HD22	1:13:A:PHE:HD1	6	1.28
(1,955)	1:10:A:LEU:HD22	1:13:A:PHE:HD2	6	1.28
(1,955)	1:10:A:LEU:HD23	1:13:A:PHE:HD1	6	1.28
(1,955)	1:10:A:LEU:HD23	1:13:A:PHE:HD2	6	1.28
(1,904)	1:74:A:LEU:H	1:70:A:SER:HA	5	1.28
(1,2800)	1:49:A:GLU:HA	1:54:A:LEU:H	10	1.27
(1,2676)	1:49:A:GLU:HA	1:54:A:LEU:H	10	1.27
(1,2552)	1:49:A:GLU:HA	1:54:A:LEU:H	10	1.27
(1,2428)	1:49:A:GLU:HA	1:54:A:LEU:H	10	1.27
(1,2304)	1:49:A:GLU:HA	1:54:A:LEU:H	10	1.27
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB2	3	1.27
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB3	3	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB2	4	1.27
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB3	4	1.27
(1,2233)	1:101:A:PRO:HB2	1:102:A:LEU:H	4	1.27
(1,2218)	1:99:A:ASN:H	1:97:A:VAL:H	7	1.27
(1,2215)	1:98:A:ALA:H	1:99:A:ASN:HA	11	1.27
(1,2146)	1:90:A:GLU:HG3	1:91:A:SER:H	3	1.27
(1,2146)	1:90:A:GLU:HG2	1:91:A:SER:H	3	1.27
(1,2146)	1:90:A:GLU:HG3	1:91:A:SER:H	6	1.27
(1,2146)	1:90:A:GLU:HG2	1:91:A:SER:H	6	1.27
(1,2146)	1:90:A:GLU:HG3	1:91:A:SER:H	7	1.27
(1,2146)	1:90:A:GLU:HG2	1:91:A:SER:H	7	1.27
(1,2146)	1:90:A:GLU:HG3	1:91:A:SER:H	8	1.27
(1,2146)	1:90:A:GLU:HG2	1:91:A:SER:H	8	1.27
(1,2146)	1:90:A:GLU:HG3	1:91:A:SER:H	12	1.27
(1,2146)	1:90:A:GLU:HG2	1:91:A:SER:H	12	1.27
(1,2146)	1:90:A:GLU:HG3	1:91:A:SER:H	13	1.27
(1,2146)	1:90:A:GLU:HG2	1:91:A:SER:H	13	1.27
(1,2146)	1:90:A:GLU:HG3	1:91:A:SER:H	15	1.27
(1,2146)	1:90:A:GLU:HG2	1:91:A:SER:H	15	1.27
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE1	14	1.27
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE2	14	1.27
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE3	14	1.27
(1,2107)	1:84:A:GLU:HA	1:87:A:GLN:H	14	1.27
(1,2072)	1:82:A:MET:HA	1:85:A:LEU:HB3	12	1.27
(1,2068)	1:82:A:MET:H	1:79:A:LYS:HA	2	1.27
(1,2068)	1:82:A:MET:H	1:79:A:LYS:HA	14	1.27
(1,2045)	1:79:A:LYS:H	1:78:A:LEU:HG	1	1.27
(1,2045)	1:79:A:LYS:H	1:78:A:LEU:HG	10	1.27
(1,2045)	1:79:A:LYS:H	1:78:A:LEU:HG	12	1.27
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD11	10	1.27
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD12	10	1.27
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD13	10	1.27
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD21	10	1.27
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD22	10	1.27
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD23	10	1.27
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD11	11	1.27
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD12	11	1.27
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD13	11	1.27
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD21	11	1.27
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD22	11	1.27
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD23	11	1.27
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD11	15	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD12	15	1.27
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD13	15	1.27
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD21	15	1.27
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD22	15	1.27
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD23	15	1.27
(1,2028)	1:77:A:GLU:HG3	1:78:A:LEU:H	7	1.27
(1,2026)	1:77:A:GLU:HG2	1:78:A:LEU:H	1	1.27
(1,2026)	1:77:A:GLU:HG2	1:78:A:LEU:H	2	1.27
(1,2010)	1:75:A:THR:H	1:78:A:LEU:H	13	1.27
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG21	8	1.27
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG22	8	1.27
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG23	8	1.27
(1,1947)	1:67:A:GLU:HG2	1:68:A:LYS:H	5	1.27
(1,1947)	1:67:A:GLU:HG3	1:68:A:LYS:H	5	1.27
(1,1947)	1:67:A:GLU:HG2	1:68:A:LYS:H	7	1.27
(1,1947)	1:67:A:GLU:HG3	1:68:A:LYS:H	7	1.27
(1,1932)	1:65:A:LYS:HA	1:68:A:LYS:H	1	1.27
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD21	12	1.27
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD22	12	1.27
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD23	12	1.27
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD11	12	1.27
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD12	12	1.27
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD13	12	1.27
(1,1908)	1:64:A:LYS:H	1:61:A:ASP:H	7	1.27
(1,1906)	1:63:A:LEU:HA	1:66:A:VAL:H	7	1.27
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG11	7	1.27
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG12	7	1.27
(1,1902)	1:63:A:LEU:HG	1:66:A:VAL:HG13	7	1.27
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD1	12	1.27
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD2	12	1.27
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG21	12	1.27
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG22	12	1.27
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG23	12	1.27
(1,1834)	1:48:A:ASN:HB3	1:49:A:GLU:H	4	1.27
(1,1834)	1:48:A:ASN:HB2	1:49:A:GLU:H	4	1.27
(1,1834)	1:48:A:ASN:HB3	1:49:A:GLU:H	8	1.27
(1,1834)	1:48:A:ASN:HB2	1:49:A:GLU:H	8	1.27
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG21	11	1.27
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG22	11	1.27
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG23	11	1.27
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG21	6	1.27
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG22	6	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG23	6	1.27
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB2	12	1.27
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB3	12	1.27
(1,1674)	1:16:A:GLY:H	1:17:A:LEU:HA	9	1.27
(1,1674)	1:16:A:GLY:H	1:17:A:LEU:HA	12	1.27
(1,1662)	1:15:A:ILE:HG13	1:12:A:VAL:HA	13	1.27
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD1	1	1.27
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD2	1	1.27
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD1	11	1.27
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD2	11	1.27
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD21	1	1.27
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD22	1	1.27
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD23	1	1.27
(1,1642)	1:13:A:PHE:HA	1:14:A:ILE:HA	4	1.27
(1,1642)	1:13:A:PHE:HA	1:14:A:ILE:HA	5	1.27
(1,1642)	1:13:A:PHE:HA	1:14:A:ILE:HA	14	1.27
(1,1625)	1:10:A:LEU:HA	1:13:A:PHE:H	4	1.27
(1,1625)	1:10:A:LEU:HA	1:13:A:PHE:H	14	1.27
(1,1531)	1:96:A:TYR:HB2	1:98:A:ALA:H	7	1.27
(1,1531)	1:96:A:TYR:HB3	1:98:A:ALA:H	7	1.27
(1,1528)	1:96:A:TYR:H	1:94:A:ARG:HA	5	1.27
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG21	15	1.27
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG22	15	1.27
(1,1464)	1:71:A:LEU:HA	1:72:A:THR:HG23	15	1.27
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG21	10	1.27
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG22	10	1.27
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG23	10	1.27
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB2	3	1.27
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB3	3	1.27
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG2	7	1.27
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG3	7	1.27
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG2	7	1.27
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG3	7	1.27
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG2	7	1.27
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG3	7	1.27
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB3	6	1.27
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB3	6	1.27
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB3	6	1.27
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB3	6	1.27
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB3	6	1.27
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB3	6	1.27
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB2	6	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB2	6	1.27
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB2	6	1.27
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB2	6	1.27
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB2	6	1.27
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB2	6	1.27
(1,1386)	1:42:A:LEU:HD11	1:39:A:LEU:H	13	1.27
(1,1386)	1:42:A:LEU:HD12	1:39:A:LEU:H	13	1.27
(1,1386)	1:42:A:LEU:HD13	1:39:A:LEU:H	13	1.27
(1,1386)	1:42:A:LEU:HD21	1:39:A:LEU:H	13	1.27
(1,1386)	1:42:A:LEU:HD22	1:39:A:LEU:H	13	1.27
(1,1386)	1:42:A:LEU:HD23	1:39:A:LEU:H	13	1.27
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB1	4	1.27
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB2	4	1.27
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB3	4	1.27
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB1	5	1.27
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB2	5	1.27
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB3	5	1.27
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB1	8	1.27
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB2	8	1.27
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB3	8	1.27
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB1	13	1.27
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB2	13	1.27
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB3	13	1.27
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB2	4	1.27
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	4	1.27
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB2	4	1.27
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	4	1.27
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB2	4	1.27
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	4	1.27
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB2	10	1.27
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	10	1.27
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB2	10	1.27
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	10	1.27
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB2	10	1.27
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	10	1.27
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB2	14	1.27
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	14	1.27
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB2	14	1.27
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	14	1.27
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB2	14	1.27
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	14	1.27
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG21	12	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG22	12	1.26
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG23	12	1.26
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG21	12	1.26
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG22	12	1.26
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG23	12	1.26
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG21	14	1.26
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG22	14	1.26
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG23	14	1.26
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG21	14	1.26
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG22	14	1.26
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG23	14	1.26
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD21	12	1.26
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD22	12	1.26
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD23	12	1.26
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG21	12	1.26
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG22	12	1.26
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG23	12	1.26
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG21	12	1.26
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG22	12	1.26
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG23	12	1.26
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG21	14	1.26
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG22	14	1.26
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG23	14	1.26
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG21	14	1.26
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG22	14	1.26
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG23	14	1.26
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD21	12	1.26
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD22	12	1.26
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD23	12	1.26
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG21	12	1.26
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG22	12	1.26
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG23	12	1.26
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG21	12	1.26
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG22	12	1.26
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG23	12	1.26
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG21	14	1.26
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG22	14	1.26
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG23	14	1.26
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG21	14	1.26
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG22	14	1.26
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG23	14	1.26
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD21	12	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD22	12	1.26
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD23	12	1.26
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG21	12	1.26
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG22	12	1.26
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG23	12	1.26
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG21	12	1.26
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG22	12	1.26
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG23	12	1.26
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG21	14	1.26
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG22	14	1.26
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG23	14	1.26
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG21	14	1.26
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG22	14	1.26
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG23	14	1.26
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD21	12	1.26
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD22	12	1.26
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD23	12	1.26
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG21	12	1.26
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG22	12	1.26
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG23	12	1.26
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG21	12	1.26
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG22	12	1.26
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG23	12	1.26
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG21	14	1.26
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG22	14	1.26
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG23	14	1.26
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG21	14	1.26
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG22	14	1.26
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG23	14	1.26
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD21	12	1.26
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD22	12	1.26
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD23	12	1.26
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB1	2	1.26
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB2	2	1.26
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB3	2	1.26
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB1	3	1.26
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB2	3	1.26
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB3	3	1.26
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD1	11	1.26
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD2	11	1.26
(1,2146)	1:90:A:GLU:HG3	1:91:A:SER:H	1	1.26
(1,2146)	1:90:A:GLU:HG2	1:91:A:SER:H	1	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2045)	1:79:A:LYS:H	1:78:A:LEU:HG	15	1.26
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD11	1	1.26
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD12	1	1.26
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD13	1	1.26
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD21	1	1.26
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD22	1	1.26
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD23	1	1.26
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD11	5	1.26
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD12	5	1.26
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD13	5	1.26
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD21	5	1.26
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD22	5	1.26
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD23	5	1.26
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD11	12	1.26
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD12	12	1.26
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD13	12	1.26
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD21	12	1.26
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD22	12	1.26
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD23	12	1.26
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB1	1	1.26
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB2	1	1.26
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB3	1	1.26
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB1	9	1.26
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB2	9	1.26
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB3	9	1.26
(1,2026)	1:77:A:GLU:HG2	1:78:A:LEU:H	12	1.26
(1,1953)	1:68:A:LYS:HG3	1:67:A:GLU:HB2	9	1.26
(1,1948)	1:67:A:GLU:HG3	1:70:A:SER:HB2	10	1.26
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD21	10	1.26
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD22	10	1.26
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD23	10	1.26
(1,1920)	1:65:A:LYS:H	1:63:A:LEU:H	7	1.26
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD21	2	1.26
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD22	2	1.26
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD23	2	1.26
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD11	2	1.26
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD12	2	1.26
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD13	2	1.26
(1,1906)	1:63:A:LEU:HA	1:66:A:VAL:H	1	1.26
(1,1906)	1:63:A:LEU:HA	1:66:A:VAL:H	3	1.26
(1,1906)	1:63:A:LEU:HA	1:66:A:VAL:H	8	1.26
(1,1896)	1:63:A:LEU:H	1:60:A:GLN:HA	7	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD1	14	1.26
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD2	14	1.26
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD11	13	1.26
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD12	13	1.26
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD13	13	1.26
(1,1834)	1:48:A:ASN:HB3	1:49:A:GLU:H	9	1.26
(1,1834)	1:48:A:ASN:HB2	1:49:A:GLU:H	9	1.26
(1,1816)	1:45:A:THR:H	1:48:A:ASN:H	5	1.26
(1,1813)	1:45:A:THR:H	1:47:A:GLN:H	15	1.26
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG21	1	1.26
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG22	1	1.26
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG23	1	1.26
(1,1642)	1:13:A:PHE:HA	1:14:A:ILE:HA	6	1.26
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG11	11	1.26
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG12	11	1.26
(1,1638)	1:13:A:PHE:H	1:12:A:VAL:HG13	11	1.26
(1,1632)	1:12:A:VAL:HA	1:15:A:ILE:H	2	1.26
(1,1603)	1:6:A:PHE:HA	1:10:A:LEU:H	8	1.26
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD11	8	1.26
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD12	8	1.26
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD13	8	1.26
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD11	8	1.26
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD12	8	1.26
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD13	8	1.26
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD11	8	1.26
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD12	8	1.26
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD13	8	1.26
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG21	10	1.26
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG22	10	1.26
(1,1537)	1:99:A:ASN:H	1:97:A:VAL:HG23	10	1.26
(1,1447)	1:65:A:LYS:H	1:66:A:VAL:HB	14	1.26
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD2	1	1.26
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD3	1	1.26
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB2	12	1.26
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB3	12	1.26
(1,1350)	1:35:A:TRP:HZ3	1:32:A:VAL:HA	1	1.26
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB1	15	1.26
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB2	15	1.26
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB3	15	1.26
(1,1281)	1:15:A:ILE:HA	1:11:A:LEU:HG	12	1.26
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB2	1	1.26
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	1	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB2	1	1.26
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	1	1.26
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB2	1	1.26
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	1	1.26
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB2	3	1.26
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	3	1.26
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB2	3	1.26
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	3	1.26
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB2	3	1.26
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	3	1.26
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG21	10	1.26
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG22	10	1.26
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG23	10	1.26
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG21	10	1.26
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG22	10	1.26
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG23	10	1.26
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG11	10	1.26
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG12	10	1.26
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG13	10	1.26
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG11	10	1.26
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG12	10	1.26
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG13	10	1.26
(1,904)	1:74:A:LEU:H	1:70:A:SER:HA	7	1.26
(1,2808)	1:51:A:THR:HB	1:54:A:LEU:H	11	1.25
(1,2684)	1:51:A:THR:HB	1:54:A:LEU:H	11	1.25
(1,2560)	1:51:A:THR:HB	1:54:A:LEU:H	11	1.25
(1,2436)	1:51:A:THR:HB	1:54:A:LEU:H	11	1.25
(1,2312)	1:51:A:THR:HB	1:54:A:LEU:H	11	1.25
(1,2235)	1:102:A:LEU:H	1:100:A:ASP:HA	11	1.25
(1,2194)	1:96:A:TYR:HB2	1:97:A:VAL:H	12	1.25
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG11	11	1.25
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG12	11	1.25
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG13	11	1.25
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG21	11	1.25
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG22	11	1.25
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG23	11	1.25
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG11	13	1.25
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG12	13	1.25
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG13	13	1.25
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG21	13	1.25
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG22	13	1.25
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG23	13	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG11	15	1.25
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG12	15	1.25
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG13	15	1.25
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG21	15	1.25
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG22	15	1.25
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG23	15	1.25
(1,2146)	1:90:A:GLU:HG3	1:91:A:SER:H	14	1.25
(1,2146)	1:90:A:GLU:HG2	1:91:A:SER:H	14	1.25
(1,2125)	1:86:A:ARG:HA	1:90:A:GLU:H	5	1.25
(1,2125)	1:86:A:ARG:HA	1:90:A:GLU:H	11	1.25
(1,2107)	1:84:A:GLU:HA	1:87:A:GLN:H	3	1.25
(1,2107)	1:84:A:GLU:HA	1:87:A:GLN:H	5	1.25
(1,2107)	1:84:A:GLU:HA	1:87:A:GLN:H	11	1.25
(1,2049)	1:79:A:LYS:HA	1:81:A:SER:H	8	1.25
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD11	7	1.25
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD12	7	1.25
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD13	7	1.25
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD21	7	1.25
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD22	7	1.25
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD23	7	1.25
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG21	6	1.25
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG22	6	1.25
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG23	6	1.25
(1,1932)	1:65:A:LYS:HA	1:68:A:LYS:H	12	1.25
(1,1920)	1:65:A:LYS:H	1:63:A:LEU:H	1	1.25
(1,1910)	1:64:A:LYS:H	1:62:A:SER:H	6	1.25
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG2	9	1.25
(1,1888)	1:61:A:ASP:HA	1:64:A:LYS:HG3	9	1.25
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD11	4	1.25
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD12	4	1.25
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD13	4	1.25
(1,1866)	1:56:A:LEU:HB2	1:60:A:GLN:HE21	3	1.25
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB2	12	1.25
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB3	12	1.25
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG2	15	1.25
(1,1844)	1:51:A:THR:HB	1:52:A:GLN:HG3	15	1.25
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG21	1	1.25
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG22	1	1.25
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG23	1	1.25
(1,1662)	1:15:A:ILE:HG13	1:12:A:VAL:HA	11	1.25
(1,1644)	1:13:A:PHE:HA	1:16:A:GLY:H	12	1.25
(1,1625)	1:10:A:LEU:HA	1:13:A:PHE:H	5	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1625)	1:10:A:LEU:HA	1:13:A:PHE:H	6	1.25
(1,1625)	1:10:A:LEU:HA	1:13:A:PHE:H	9	1.25
(1,1625)	1:10:A:LEU:HA	1:13:A:PHE:H	13	1.25
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG13	9	1.25
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG12	9	1.25
(1,1533)	1:97:A:VAL:H	1:98:A:ALA:H	8	1.25
(1,1432)	1:56:A:LEU:HB2	1:60:A:GLN:HB2	13	1.25
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB2	11	1.25
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB3	11	1.25
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB2	4	1.25
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB3	4	1.25
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG2	6	1.25
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG3	6	1.25
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG2	6	1.25
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG3	6	1.25
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG2	6	1.25
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG3	6	1.25
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB1	12	1.25
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB2	12	1.25
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB3	12	1.25
(1,1325)	1:27:A:VAL:HB	1:24:A:ARG:HG2	11	1.25
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG11	2	1.25
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG12	2	1.25
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG13	2	1.25
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG11	9	1.25
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG12	9	1.25
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG13	9	1.25
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG21	4	1.25
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG22	4	1.25
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG23	4	1.25
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG21	10	1.25
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG22	10	1.25
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG23	10	1.25
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG21	14	1.25
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG22	14	1.25
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG23	14	1.25
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB2	7	1.25
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	7	1.25
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB2	7	1.25
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	7	1.25
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB2	7	1.25
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	7	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB2	4	1.25
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB3	4	1.25
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB2	14	1.25
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB3	14	1.25
(1,955)	1:10:A:LEU:HD11	1:13:A:PHE:HD1	5	1.25
(1,955)	1:10:A:LEU:HD11	1:13:A:PHE:HD2	5	1.25
(1,955)	1:10:A:LEU:HD12	1:13:A:PHE:HD1	5	1.25
(1,955)	1:10:A:LEU:HD12	1:13:A:PHE:HD2	5	1.25
(1,955)	1:10:A:LEU:HD13	1:13:A:PHE:HD1	5	1.25
(1,955)	1:10:A:LEU:HD13	1:13:A:PHE:HD2	5	1.25
(1,955)	1:10:A:LEU:HD21	1:13:A:PHE:HD1	5	1.25
(1,955)	1:10:A:LEU:HD21	1:13:A:PHE:HD2	5	1.25
(1,955)	1:10:A:LEU:HD22	1:13:A:PHE:HD1	5	1.25
(1,955)	1:10:A:LEU:HD22	1:13:A:PHE:HD2	5	1.25
(1,955)	1:10:A:LEU:HD23	1:13:A:PHE:HD1	5	1.25
(1,955)	1:10:A:LEU:HD23	1:13:A:PHE:HD2	5	1.25
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG21	15	1.24
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG22	15	1.24
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG23	15	1.24
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	6	1.24
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	6	1.24
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	6	1.24
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	6	1.24
(1,2819)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	5	1.24
(1,2819)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	5	1.24
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD21	2	1.24
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD22	2	1.24
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD23	2	1.24
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG21	15	1.24
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG22	15	1.24
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG23	15	1.24
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	6	1.24
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	6	1.24
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	6	1.24
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	6	1.24
(1,2695)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	5	1.24
(1,2695)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	5	1.24
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD21	2	1.24
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD22	2	1.24
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD23	2	1.24
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG21	15	1.24
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG22	15	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG23	15	1.24
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	6	1.24
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	6	1.24
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	6	1.24
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	6	1.24
(1,2571)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	5	1.24
(1,2571)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	5	1.24
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD21	2	1.24
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD22	2	1.24
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD23	2	1.24
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG21	15	1.24
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG22	15	1.24
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG23	15	1.24
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	6	1.24
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	6	1.24
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	6	1.24
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	6	1.24
(1,2447)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	5	1.24
(1,2447)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	5	1.24
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD21	2	1.24
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD22	2	1.24
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD23	2	1.24
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG21	15	1.24
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG22	15	1.24
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG23	15	1.24
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	6	1.24
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	6	1.24
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	6	1.24
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	6	1.24
(1,2323)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	5	1.24
(1,2323)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	5	1.24
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD21	2	1.24
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD22	2	1.24
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD23	2	1.24
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB2	14	1.24
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB3	14	1.24
(1,2233)	1:101:A:PRO:HB2	1:102:A:LEU:H	2	1.24
(1,2232)	1:101:A:PRO:HA	1:102:A:LEU:HG	8	1.24
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG11	3	1.24
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG12	3	1.24
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG13	3	1.24
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB1	4	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB2	4	1.24
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB3	4	1.24
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB1	4	1.24
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB2	4	1.24
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB3	4	1.24
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB1	4	1.24
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB2	4	1.24
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB3	4	1.24
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB1	4	1.24
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB2	4	1.24
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB3	4	1.24
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB1	5	1.24
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB2	5	1.24
(1,2207)	1:97:A:VAL:HA	1:98:A:ALA:HB3	5	1.24
(1,2194)	1:96:A:TYR:HB2	1:97:A:VAL:H	1	1.24
(1,2194)	1:96:A:TYR:HB2	1:97:A:VAL:H	13	1.24
(1,2194)	1:96:A:TYR:HB2	1:97:A:VAL:H	15	1.24
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE2	3	1.24
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE3	3	1.24
(1,2164)	1:93:A:LYS:HG3	1:97:A:VAL:HB	13	1.24
(1,2125)	1:86:A:ARG:HA	1:90:A:GLU:H	10	1.24
(1,2107)	1:84:A:GLU:HA	1:87:A:GLN:H	1	1.24
(1,2107)	1:84:A:GLU:HA	1:87:A:GLN:H	10	1.24
(1,2045)	1:79:A:LYS:H	1:78:A:LEU:HG	7	1.24
(1,2028)	1:77:A:GLU:HG3	1:78:A:LEU:H	2	1.24
(1,2026)	1:77:A:GLU:HG2	1:78:A:LEU:H	7	1.24
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD11	1	1.24
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD12	1	1.24
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD13	1	1.24
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD21	1	1.24
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD22	1	1.24
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD23	1	1.24
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD11	6	1.24
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD12	6	1.24
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD13	6	1.24
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD21	6	1.24
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD22	6	1.24
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD23	6	1.24
(1,1932)	1:65:A:LYS:HA	1:68:A:LYS:H	2	1.24
(1,1906)	1:63:A:LEU:HA	1:66:A:VAL:H	6	1.24
(1,1906)	1:63:A:LEU:HA	1:66:A:VAL:H	12	1.24
(1,1897)	1:63:A:LEU:HG	1:60:A:GLN:HA	15	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1896)	1:63:A:LEU:H	1:60:A:GLN:HA	10	1.24
(1,1887)	1:61:A:ASP:HA	1:64:A:LYS:H	5	1.24
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD11	3	1.24
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD12	3	1.24
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD13	3	1.24
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD21	11	1.24
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD22	11	1.24
(1,1875)	1:60:A:GLN:HA	1:63:A:LEU:HD23	11	1.24
(1,1866)	1:56:A:LEU:HB2	1:60:A:GLN:HE21	4	1.24
(1,1863)	1:55:A:LYS:HA	1:54:A:LEU:H	11	1.24
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG21	6	1.24
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG22	6	1.24
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG23	6	1.24
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG11	7	1.24
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG12	7	1.24
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG13	7	1.24
(1,1748)	1:33:A:ALA:H	1:30:A:LYS:HA	2	1.24
(1,1748)	1:33:A:ALA:H	1:30:A:LYS:HA	7	1.24
(1,1748)	1:33:A:ALA:H	1:30:A:LYS:HA	11	1.24
(1,1670)	1:15:A:ILE:HA	1:18:A:VAL:HB	13	1.24
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG13	10	1.24
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG12	10	1.24
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG13	14	1.24
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG12	14	1.24
(1,1541)	1:1:A:MET:HE1	1:2:A:PHE:HZ	2	1.24
(1,1541)	1:1:A:MET:HE2	1:2:A:PHE:HZ	2	1.24
(1,1541)	1:1:A:MET:HE3	1:2:A:PHE:HZ	2	1.24
(1,1541)	1:1:A:MET:HE1	1:2:A:PHE:HZ	6	1.24
(1,1541)	1:1:A:MET:HE2	1:2:A:PHE:HZ	6	1.24
(1,1541)	1:1:A:MET:HE3	1:2:A:PHE:HZ	6	1.24
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB1	13	1.24
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB2	13	1.24
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB3	13	1.24
(1,1412)	1:47:A:GLN:H	1:43:A:ALA:HA	14	1.24
(1,1325)	1:27:A:VAL:HB	1:24:A:ARG:HG2	2	1.24
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG11	4	1.24
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG12	4	1.24
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG13	4	1.24
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG11	5	1.24
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG12	5	1.24
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG13	5	1.24
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG11	7	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG12	7	1.24
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG13	7	1.24
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG11	10	1.24
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG12	10	1.24
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG13	10	1.24
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG11	14	1.24
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG12	14	1.24
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG13	14	1.24
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE1	5	1.24
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE2	5	1.24
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE1	5	1.24
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE2	5	1.24
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE1	5	1.24
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE2	5	1.24
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB2	6	1.24
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB3	6	1.24
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB2	10	1.24
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB3	10	1.24
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB2	11	1.24
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB3	11	1.24
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	3	1.23
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	3	1.23
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	3	1.23
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	3	1.23
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	4	1.23
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	4	1.23
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	4	1.23
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	4	1.23
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	12	1.23
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	12	1.23
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	12	1.23
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	12	1.23
(1,2808)	1:51:A:THR:HB	1:54:A:LEU:H	15	1.23
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	3	1.23
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	3	1.23
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	3	1.23
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	3	1.23
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	4	1.23
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	4	1.23
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	4	1.23
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	4	1.23
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	12	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	12	1.23
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	12	1.23
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	12	1.23
(1,2684)	1:51:A:THR:HB	1:54:A:LEU:H	15	1.23
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	3	1.23
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	3	1.23
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	3	1.23
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	3	1.23
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	4	1.23
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	4	1.23
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	4	1.23
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	4	1.23
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	12	1.23
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	12	1.23
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	12	1.23
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	12	1.23
(1,2560)	1:51:A:THR:HB	1:54:A:LEU:H	15	1.23
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	3	1.23
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	3	1.23
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	3	1.23
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	3	1.23
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	4	1.23
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	4	1.23
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	4	1.23
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	4	1.23
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	12	1.23
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	12	1.23
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	12	1.23
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	12	1.23
(1,2436)	1:51:A:THR:HB	1:54:A:LEU:H	15	1.23
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	3	1.23
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	3	1.23
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	3	1.23
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	3	1.23
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	4	1.23
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	4	1.23
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	4	1.23
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	4	1.23
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	12	1.23
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	12	1.23
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	12	1.23
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	12	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2312)	1:51:A:THR:HB	1:54:A:LEU:H	15	1.23
(1,2235)	1:102:A:LEU:H	1:100:A:ASP:HA	10	1.23
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB1	12	1.23
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB2	12	1.23
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB3	12	1.23
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB1	12	1.23
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB2	12	1.23
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB3	12	1.23
(1,2216)	1:98:A:ALA:HA	1:100:A:ASP:H	10	1.23
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE1	12	1.23
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE2	12	1.23
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE1	13	1.23
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE2	13	1.23
(1,2182)	1:96:A:TYR:HD1	1:92:A:MET:HE3	13	1.23
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE1	13	1.23
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE2	13	1.23
(1,2182)	1:96:A:TYR:HD2	1:92:A:MET:HE3	13	1.23
(1,2164)	1:93:A:LYS:HG3	1:97:A:VAL:HB	15	1.23
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB1	13	1.23
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB2	13	1.23
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB3	13	1.23
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB1	13	1.23
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB2	13	1.23
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB3	13	1.23
(1,2127)	1:87:A:GLN:HE21	1:83:A:ASP:HB3	14	1.23
(1,2125)	1:86:A:ARG:HA	1:90:A:GLU:H	2	1.23
(1,2125)	1:86:A:ARG:HA	1:90:A:GLU:H	4	1.23
(1,2125)	1:86:A:ARG:HA	1:90:A:GLU:H	14	1.23
(1,2107)	1:84:A:GLU:HA	1:87:A:GLN:H	2	1.23
(1,2107)	1:84:A:GLU:HA	1:87:A:GLN:H	4	1.23
(1,2107)	1:84:A:GLU:HA	1:87:A:GLN:H	6	1.23
(1,2107)	1:84:A:GLU:HA	1:87:A:GLN:H	8	1.23
(1,2107)	1:84:A:GLU:HA	1:87:A:GLN:H	9	1.23
(1,2107)	1:84:A:GLU:HA	1:87:A:GLN:H	15	1.23
(1,2067)	1:82:A:MET:HB3	1:79:A:LYS:HA	11	1.23
(1,2049)	1:79:A:LYS:HA	1:81:A:SER:H	6	1.23
(1,2026)	1:77:A:GLU:HG2	1:78:A:LEU:H	9	1.23
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD21	1	1.23
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD22	1	1.23
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD23	1	1.23
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD11	1	1.23
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD12	1	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD13	1	1.23
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD21	3	1.23
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD22	3	1.23
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD23	3	1.23
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD11	3	1.23
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD12	3	1.23
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD13	3	1.23
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD21	13	1.23
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD22	13	1.23
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD23	13	1.23
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD11	13	1.23
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD12	13	1.23
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD13	13	1.23
(1,1912)	1:64:A:LYS:H	1:63:A:LEU:HG	11	1.23
(1,1908)	1:64:A:LYS:H	1:61:A:ASP:H	3	1.23
(1,1908)	1:64:A:LYS:H	1:61:A:ASP:H	4	1.23
(1,1906)	1:63:A:LEU:HA	1:66:A:VAL:H	2	1.23
(1,1906)	1:63:A:LEU:HA	1:66:A:VAL:H	4	1.23
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD1	1	1.23
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD2	1	1.23
(1,1864)	1:55:A:LYS:H	1:54:A:LEU:HB2	11	1.23
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG21	2	1.23
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG22	2	1.23
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG23	2	1.23
(1,1834)	1:48:A:ASN:HB3	1:49:A:GLU:H	6	1.23
(1,1834)	1:48:A:ASN:HB2	1:49:A:GLU:H	6	1.23
(1,1821)	1:46:A:VAL:HA	1:47:A:GLN:H	15	1.23
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG11	15	1.23
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG12	15	1.23
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG13	15	1.23
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG21	7	1.23
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG22	7	1.23
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG23	7	1.23
(1,1787)	1:42:A:LEU:HD11	1:43:A:ALA:H	14	1.23
(1,1787)	1:42:A:LEU:HD12	1:43:A:ALA:H	14	1.23
(1,1787)	1:42:A:LEU:HD13	1:43:A:ALA:H	14	1.23
(1,1787)	1:42:A:LEU:HD21	1:43:A:ALA:H	14	1.23
(1,1787)	1:42:A:LEU:HD22	1:43:A:ALA:H	14	1.23
(1,1787)	1:42:A:LEU:HD23	1:43:A:ALA:H	14	1.23
(1,1748)	1:33:A:ALA:H	1:30:A:LYS:HA	1	1.23
(1,1748)	1:33:A:ALA:H	1:30:A:LYS:HA	3	1.23
(1,1748)	1:33:A:ALA:H	1:30:A:LYS:HA	4	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1748)	1:33:A:ALA:H	1:30:A:LYS:HA	10	1.23
(1,1748)	1:33:A:ALA:H	1:30:A:LYS:HA	14	1.23
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG21	12	1.23
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG22	12	1.23
(1,1692)	1:20:A:LEU:H	1:19:A:VAL:HG23	12	1.23
(1,1670)	1:15:A:ILE:HA	1:18:A:VAL:HB	12	1.23
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB2	2	1.23
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB3	2	1.23
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD11	12	1.23
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD12	12	1.23
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD13	12	1.23
(1,1625)	1:10:A:LEU:HA	1:13:A:PHE:H	1	1.23
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG13	2	1.23
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG12	2	1.23
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG13	4	1.23
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG12	4	1.23
(1,1560)	1:2:A:PHE:H	1:4:A:ILE:HG13	12	1.23
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD11	4	1.23
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD12	4	1.23
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD13	4	1.23
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD11	4	1.23
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD12	4	1.23
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD13	4	1.23
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD11	4	1.23
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD12	4	1.23
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD13	4	1.23
(1,1541)	1:1:A:MET:HE1	1:2:A:PHE:HZ	12	1.23
(1,1541)	1:1:A:MET:HE2	1:2:A:PHE:HZ	12	1.23
(1,1541)	1:1:A:MET:HE3	1:2:A:PHE:HZ	12	1.23
(1,1534)	1:97:A:VAL:H	1:98:A:ALA:HA	1	1.23
(1,1534)	1:97:A:VAL:H	1:98:A:ALA:HA	13	1.23
(1,1534)	1:97:A:VAL:H	1:98:A:ALA:HA	15	1.23
(1,1528)	1:96:A:TYR:H	1:94:A:ARG:HA	4	1.23
(1,1526)	1:95:A:SER:HA	1:94:A:ARG:HG2	4	1.23
(1,1506)	1:86:A:ARG:HA	1:89:A:ALA:H	14	1.23
(1,1403)	1:45:A:THR:HB	1:41:A:SER:HA	6	1.23
(1,1403)	1:45:A:THR:HB	1:41:A:SER:HA	13	1.23
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB3	1	1.23
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB3	1	1.23
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB3	1	1.23
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB3	1	1.23
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB3	1	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB3	1	1.23
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB2	1	1.23
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB2	1	1.23
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB2	1	1.23
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB2	1	1.23
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB2	1	1.23
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB2	1	1.23
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB1	14	1.23
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB2	14	1.23
(1,1342)	1:34:A:GLY:HA3	1:38:A:ALA:HB3	14	1.23
(1,1325)	1:27:A:VAL:HB	1:24:A:ARG:HG2	5	1.23
(1,1325)	1:27:A:VAL:HB	1:24:A:ARG:HG2	8	1.23
(1,1325)	1:27:A:VAL:HB	1:24:A:ARG:HG2	9	1.23
(1,1325)	1:27:A:VAL:HB	1:24:A:ARG:HG2	15	1.23
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG11	3	1.23
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG12	3	1.23
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG13	3	1.23
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG11	6	1.23
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG12	6	1.23
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG13	6	1.23
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG11	8	1.23
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG12	8	1.23
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG13	8	1.23
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG11	15	1.23
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG12	15	1.23
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG13	15	1.23
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG21	2	1.23
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG22	2	1.23
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG23	2	1.23
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG21	8	1.23
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG22	8	1.23
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG23	8	1.23
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG21	15	1.23
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG22	15	1.23
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG23	15	1.23
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE1	6	1.23
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE2	6	1.23
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE1	6	1.23
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE2	6	1.23
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE1	6	1.23
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE2	6	1.23
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB2	2	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB3	2	1.23
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB2	5	1.23
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB3	5	1.23
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD11	3	1.22
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD12	3	1.22
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD13	3	1.22
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD11	9	1.22
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD12	9	1.22
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD13	9	1.22
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	1	1.22
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	1	1.22
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	1	1.22
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	1	1.22
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	5	1.22
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	5	1.22
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	5	1.22
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	5	1.22
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	9	1.22
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	9	1.22
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	9	1.22
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	9	1.22
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	13	1.22
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	13	1.22
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	13	1.22
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	13	1.22
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	14	1.22
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	14	1.22
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	14	1.22
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	14	1.22
(1,2820)	1:56:A:LEU:HB3	1:51:A:THR:H	11	1.22
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG2	14	1.22
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG3	14	1.22
(1,2808)	1:51:A:THR:HB	1:54:A:LEU:H	10	1.22
(1,2800)	1:49:A:GLU:HA	1:54:A:LEU:H	8	1.22
(1,2800)	1:49:A:GLU:HA	1:54:A:LEU:H	13	1.22
(1,2800)	1:49:A:GLU:HA	1:54:A:LEU:H	14	1.22
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG21	14	1.22
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG22	14	1.22
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG23	14	1.22
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD11	3	1.22
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD12	3	1.22
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD13	3	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD11	9	1.22
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD12	9	1.22
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD13	9	1.22
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	1	1.22
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	1	1.22
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	1	1.22
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	1	1.22
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	5	1.22
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	5	1.22
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	5	1.22
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	5	1.22
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	9	1.22
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	9	1.22
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	9	1.22
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	9	1.22
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	13	1.22
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	13	1.22
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	13	1.22
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	13	1.22
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	14	1.22
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	14	1.22
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	14	1.22
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	14	1.22
(1,2696)	1:56:A:LEU:HB3	1:51:A:THR:H	11	1.22
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG2	14	1.22
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG3	14	1.22
(1,2684)	1:51:A:THR:HB	1:54:A:LEU:H	10	1.22
(1,2676)	1:49:A:GLU:HA	1:54:A:LEU:H	8	1.22
(1,2676)	1:49:A:GLU:HA	1:54:A:LEU:H	13	1.22
(1,2676)	1:49:A:GLU:HA	1:54:A:LEU:H	14	1.22
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG21	14	1.22
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG22	14	1.22
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG23	14	1.22
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD11	3	1.22
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD12	3	1.22
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD13	3	1.22
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD11	9	1.22
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD12	9	1.22
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD13	9	1.22
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	1	1.22
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	1	1.22
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	1	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	1	1.22
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	5	1.22
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	5	1.22
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	5	1.22
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	5	1.22
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	9	1.22
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	9	1.22
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	9	1.22
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	9	1.22
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	13	1.22
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	13	1.22
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	13	1.22
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	13	1.22
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	14	1.22
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	14	1.22
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	14	1.22
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	14	1.22
(1,2572)	1:56:A:LEU:HB3	1:51:A:THR:H	11	1.22
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG2	14	1.22
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG3	14	1.22
(1,2560)	1:51:A:THR:HB	1:54:A:LEU:H	10	1.22
(1,2552)	1:49:A:GLU:HA	1:54:A:LEU:H	8	1.22
(1,2552)	1:49:A:GLU:HA	1:54:A:LEU:H	13	1.22
(1,2552)	1:49:A:GLU:HA	1:54:A:LEU:H	14	1.22
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG21	14	1.22
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG22	14	1.22
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG23	14	1.22
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD11	3	1.22
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD12	3	1.22
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD13	3	1.22
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD11	9	1.22
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD12	9	1.22
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD13	9	1.22
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	1	1.22
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	1	1.22
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	1	1.22
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	1	1.22
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	5	1.22
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	5	1.22
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	5	1.22
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	5	1.22
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	9	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	9	1.22
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	9	1.22
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	9	1.22
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	13	1.22
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	13	1.22
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	13	1.22
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	13	1.22
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	14	1.22
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	14	1.22
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	14	1.22
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	14	1.22
(1,2448)	1:56:A:LEU:HB3	1:51:A:THR:H	11	1.22
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG2	14	1.22
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG3	14	1.22
(1,2436)	1:51:A:THR:HB	1:54:A:LEU:H	10	1.22
(1,2428)	1:49:A:GLU:HA	1:54:A:LEU:H	8	1.22
(1,2428)	1:49:A:GLU:HA	1:54:A:LEU:H	13	1.22
(1,2428)	1:49:A:GLU:HA	1:54:A:LEU:H	14	1.22
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG21	14	1.22
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG22	14	1.22
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG23	14	1.22
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD11	3	1.22
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD12	3	1.22
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD13	3	1.22
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD11	9	1.22
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD12	9	1.22
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD13	9	1.22
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	1	1.22
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	1	1.22
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	1	1.22
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	1	1.22
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	5	1.22
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	5	1.22
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	5	1.22
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	5	1.22
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	9	1.22
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	9	1.22
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	9	1.22
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	9	1.22
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	13	1.22
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	13	1.22
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	13	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	13	1.22
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	14	1.22
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	14	1.22
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	14	1.22
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	14	1.22
(1,2324)	1:56:A:LEU:HB3	1:51:A:THR:H	11	1.22
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG2	14	1.22
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG3	14	1.22
(1,2312)	1:51:A:THR:HB	1:54:A:LEU:H	10	1.22
(1,2304)	1:49:A:GLU:HA	1:54:A:LEU:H	8	1.22
(1,2304)	1:49:A:GLU:HA	1:54:A:LEU:H	13	1.22
(1,2304)	1:49:A:GLU:HA	1:54:A:LEU:H	14	1.22
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG21	14	1.22
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG22	14	1.22
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG23	14	1.22
(1,2231)	1:101:A:PRO:HG2	1:102:A:LEU:HG	5	1.22
(1,2218)	1:99:A:ASN:H	1:97:A:VAL:H	2	1.22
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG11	2	1.22
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG12	2	1.22
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG13	2	1.22
(1,2125)	1:86:A:ARG:HA	1:90:A:GLU:H	1	1.22
(1,2125)	1:86:A:ARG:HA	1:90:A:GLU:H	3	1.22
(1,2125)	1:86:A:ARG:HA	1:90:A:GLU:H	9	1.22
(1,2125)	1:86:A:ARG:HA	1:90:A:GLU:H	15	1.22
(1,2107)	1:84:A:GLU:HA	1:87:A:GLN:H	13	1.22
(1,2068)	1:82:A:MET:H	1:79:A:LYS:HA	7	1.22
(1,2067)	1:82:A:MET:HB3	1:79:A:LYS:HA	2	1.22
(1,2042)	1:79:A:LYS:H	1:77:A:GLU:H	4	1.22
(1,1948)	1:67:A:GLU:HG3	1:70:A:SER:HB2	13	1.22
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD21	2	1.22
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD22	2	1.22
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD23	2	1.22
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD21	4	1.22
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD22	4	1.22
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD23	4	1.22
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD11	4	1.22
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD12	4	1.22
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD13	4	1.22
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD21	14	1.22
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD22	14	1.22
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD23	14	1.22
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD11	14	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD12	14	1.22
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD13	14	1.22
(1,1908)	1:64:A:LYS:H	1:61:A:ASP:H	5	1.22
(1,1800)	1:44:A:THR:H	1:40:A:ARG:HA	10	1.22
(1,1800)	1:44:A:THR:H	1:40:A:ARG:HA	15	1.22
(1,1792)	1:43:A:ALA:H	1:40:A:ARG:HA	14	1.22
(1,1787)	1:42:A:LEU:HD11	1:43:A:ALA:H	6	1.22
(1,1787)	1:42:A:LEU:HD12	1:43:A:ALA:H	6	1.22
(1,1787)	1:42:A:LEU:HD13	1:43:A:ALA:H	6	1.22
(1,1787)	1:42:A:LEU:HD21	1:43:A:ALA:H	6	1.22
(1,1787)	1:42:A:LEU:HD22	1:43:A:ALA:H	6	1.22
(1,1787)	1:42:A:LEU:HD23	1:43:A:ALA:H	6	1.22
(1,1748)	1:33:A:ALA:H	1:30:A:LYS:HA	9	1.22
(1,1748)	1:33:A:ALA:H	1:30:A:LYS:HA	12	1.22
(1,1748)	1:33:A:ALA:H	1:30:A:LYS:HA	15	1.22
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB2	1	1.22
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB3	1	1.22
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB2	3	1.22
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB3	3	1.22
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB2	8	1.22
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB3	8	1.22
(1,1639)	1:13:A:PHE:HB2	1:12:A:VAL:HA	1	1.22
(1,1639)	1:13:A:PHE:HB3	1:12:A:VAL:HA	1	1.22
(1,1639)	1:13:A:PHE:HB2	1:12:A:VAL:HA	2	1.22
(1,1639)	1:13:A:PHE:HB3	1:12:A:VAL:HA	2	1.22
(1,1639)	1:13:A:PHE:HB2	1:12:A:VAL:HA	3	1.22
(1,1639)	1:13:A:PHE:HB3	1:12:A:VAL:HA	3	1.22
(1,1639)	1:13:A:PHE:HB2	1:12:A:VAL:HA	4	1.22
(1,1639)	1:13:A:PHE:HB3	1:12:A:VAL:HA	4	1.22
(1,1639)	1:13:A:PHE:HB2	1:12:A:VAL:HA	7	1.22
(1,1639)	1:13:A:PHE:HB3	1:12:A:VAL:HA	7	1.22
(1,1639)	1:13:A:PHE:HB2	1:12:A:VAL:HA	8	1.22
(1,1639)	1:13:A:PHE:HB3	1:12:A:VAL:HA	8	1.22
(1,1639)	1:13:A:PHE:HB2	1:12:A:VAL:HA	10	1.22
(1,1639)	1:13:A:PHE:HB3	1:12:A:VAL:HA	10	1.22
(1,1639)	1:13:A:PHE:HB2	1:12:A:VAL:HA	14	1.22
(1,1639)	1:13:A:PHE:HB3	1:12:A:VAL:HA	14	1.22
(1,1632)	1:12:A:VAL:HA	1:15:A:ILE:H	9	1.22
(1,1632)	1:12:A:VAL:HA	1:15:A:ILE:H	10	1.22
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG21	13	1.22
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG22	13	1.22
(1,1608)	1:8:A:GLU:HA	1:4:A:ILE:HG23	13	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG13	1	1.22
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG12	1	1.22
(1,1600)	1:6:A:PHE:HA	1:9:A:LEU:H	11	1.22
(1,1560)	1:2:A:PHE:H	1:4:A:ILE:HG13	8	1.22
(1,1558)	1:2:A:PHE:HD1	1:4:A:ILE:HD11	13	1.22
(1,1558)	1:2:A:PHE:HD1	1:4:A:ILE:HD12	13	1.22
(1,1558)	1:2:A:PHE:HD1	1:4:A:ILE:HD13	13	1.22
(1,1558)	1:2:A:PHE:HD2	1:4:A:ILE:HD11	13	1.22
(1,1558)	1:2:A:PHE:HD2	1:4:A:ILE:HD12	13	1.22
(1,1558)	1:2:A:PHE:HD2	1:4:A:ILE:HD13	13	1.22
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB1	2	1.22
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB2	2	1.22
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB3	2	1.22
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB1	12	1.22
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB2	12	1.22
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB3	12	1.22
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD11	7	1.22
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD12	7	1.22
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD13	7	1.22
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD21	7	1.22
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD22	7	1.22
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD23	7	1.22
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD11	12	1.22
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD12	12	1.22
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD13	12	1.22
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD21	12	1.22
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD22	12	1.22
(1,1430)	1:53:A:GLU:H	1:54:A:LEU:HD23	12	1.22
(1,1412)	1:47:A:GLN:H	1:43:A:ALA:HA	13	1.22
(1,1403)	1:45:A:THR:HB	1:41:A:SER:HA	2	1.22
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG21	12	1.22
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG22	12	1.22
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG23	12	1.22
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG21	8	1.22
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG22	8	1.22
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG23	8	1.22
(1,1350)	1:35:A:TRP:HZ3	1:32:A:VAL:HA	2	1.22
(1,1350)	1:35:A:TRP:HZ3	1:32:A:VAL:HA	11	1.22
(1,1325)	1:27:A:VAL:HB	1:24:A:ARG:HG2	3	1.22
(1,1325)	1:27:A:VAL:HB	1:24:A:ARG:HG2	4	1.22
(1,1325)	1:27:A:VAL:HB	1:24:A:ARG:HG2	7	1.22
(1,1325)	1:27:A:VAL:HB	1:24:A:ARG:HG2	10	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1325)	1:27:A:VAL:HB	1:24:A:ARG:HG2	14	1.22
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG11	1	1.22
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG12	1	1.22
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG13	1	1.22
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG21	3	1.22
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG22	3	1.22
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG23	3	1.22
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG21	7	1.22
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG22	7	1.22
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG23	7	1.22
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD11	15	1.21
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD12	15	1.21
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD13	15	1.21
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD11	6	1.21
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD12	6	1.21
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD13	6	1.21
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD21	6	1.21
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD22	6	1.21
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD23	6	1.21
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD21	8	1.21
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD22	8	1.21
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD23	8	1.21
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD11	14	1.21
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD12	14	1.21
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD13	14	1.21
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD21	14	1.21
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD22	14	1.21
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD23	14	1.21
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	8	1.21
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	8	1.21
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	8	1.21
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	8	1.21
(1,2800)	1:49:A:GLU:HA	1:54:A:LEU:H	1	1.21
(1,2800)	1:49:A:GLU:HA	1:54:A:LEU:H	9	1.21
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD11	15	1.21
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD12	15	1.21
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD13	15	1.21
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD11	6	1.21
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD12	6	1.21
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD13	6	1.21
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD21	6	1.21
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD22	6	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD23	6	1.21
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD21	8	1.21
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD22	8	1.21
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD23	8	1.21
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD11	14	1.21
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD12	14	1.21
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD13	14	1.21
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD21	14	1.21
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD22	14	1.21
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD23	14	1.21
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	8	1.21
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	8	1.21
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	8	1.21
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	8	1.21
(1,2676)	1:49:A:GLU:HA	1:54:A:LEU:H	1	1.21
(1,2676)	1:49:A:GLU:HA	1:54:A:LEU:H	9	1.21
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD11	15	1.21
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD12	15	1.21
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD13	15	1.21
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD11	6	1.21
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD12	6	1.21
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD13	6	1.21
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD21	6	1.21
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD22	6	1.21
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD23	6	1.21
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD21	8	1.21
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD22	8	1.21
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD23	8	1.21
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD11	14	1.21
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD12	14	1.21
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD13	14	1.21
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD21	14	1.21
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD22	14	1.21
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD23	14	1.21
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	8	1.21
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	8	1.21
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	8	1.21
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	8	1.21
(1,2552)	1:49:A:GLU:HA	1:54:A:LEU:H	1	1.21
(1,2552)	1:49:A:GLU:HA	1:54:A:LEU:H	9	1.21
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD11	15	1.21
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD12	15	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD13	15	1.21
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD11	6	1.21
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD12	6	1.21
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD13	6	1.21
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD21	6	1.21
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD22	6	1.21
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD23	6	1.21
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD21	8	1.21
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD22	8	1.21
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD23	8	1.21
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD11	14	1.21
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD12	14	1.21
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD13	14	1.21
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD21	14	1.21
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD22	14	1.21
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD23	14	1.21
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	8	1.21
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	8	1.21
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	8	1.21
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	8	1.21
(1,2428)	1:49:A:GLU:HA	1:54:A:LEU:H	1	1.21
(1,2428)	1:49:A:GLU:HA	1:54:A:LEU:H	9	1.21
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD11	15	1.21
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD12	15	1.21
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD13	15	1.21
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD11	6	1.21
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD12	6	1.21
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD13	6	1.21
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD21	6	1.21
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD22	6	1.21
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD23	6	1.21
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD21	8	1.21
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD22	8	1.21
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD23	8	1.21
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD11	14	1.21
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD12	14	1.21
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD13	14	1.21
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD21	14	1.21
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD22	14	1.21
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD23	14	1.21
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	8	1.21
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	8	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	8	1.21
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	8	1.21
(1,2304)	1:49:A:GLU:HA	1:54:A:LEU:H	1	1.21
(1,2304)	1:49:A:GLU:HA	1:54:A:LEU:H	9	1.21
(1,2215)	1:98:A:ALA:H	1:99:A:ASN:HA	9	1.21
(1,2212)	1:98:A:ALA:HA	1:97:A:VAL:HB	8	1.21
(1,2137)	1:89:A:ALA:HA	1:91:A:SER:H	9	1.21
(1,2125)	1:86:A:ARG:HA	1:90:A:GLU:H	6	1.21
(1,2125)	1:86:A:ARG:HA	1:90:A:GLU:H	8	1.21
(1,2125)	1:86:A:ARG:HA	1:90:A:GLU:H	12	1.21
(1,2107)	1:84:A:GLU:HA	1:87:A:GLN:H	12	1.21
(1,2067)	1:82:A:MET:HB3	1:79:A:LYS:HA	5	1.21
(1,2067)	1:82:A:MET:HB3	1:79:A:LYS:HA	13	1.21
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD2	12	1.21
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD3	12	1.21
(1,2049)	1:79:A:LYS:HA	1:81:A:SER:H	3	1.21
(1,2049)	1:79:A:LYS:HA	1:81:A:SER:H	4	1.21
(1,2049)	1:79:A:LYS:HA	1:81:A:SER:H	9	1.21
(1,2049)	1:79:A:LYS:HA	1:81:A:SER:H	13	1.21
(1,2045)	1:79:A:LYS:H	1:78:A:LEU:HG	3	1.21
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD11	14	1.21
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD12	14	1.21
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD13	14	1.21
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD21	14	1.21
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD22	14	1.21
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD23	14	1.21
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB1	15	1.21
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB2	15	1.21
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB3	15	1.21
(1,1947)	1:67:A:GLU:HG2	1:68:A:LYS:H	15	1.21
(1,1947)	1:67:A:GLU:HG3	1:68:A:LYS:H	15	1.21
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD21	3	1.21
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD22	3	1.21
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD23	3	1.21
(1,1920)	1:65:A:LYS:H	1:63:A:LEU:H	10	1.21
(1,1912)	1:64:A:LYS:H	1:63:A:LEU:HG	2	1.21
(1,1908)	1:64:A:LYS:H	1:61:A:ASP:H	15	1.21
(1,1906)	1:63:A:LEU:HA	1:66:A:VAL:H	11	1.21
(1,1906)	1:63:A:LEU:HA	1:66:A:VAL:H	14	1.21
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG21	12	1.21
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG22	12	1.21
(1,1810)	1:45:A:THR:HA	1:46:A:VAL:HG23	12	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG21	3	1.21
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG22	3	1.21
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG23	3	1.21
(1,1787)	1:42:A:LEU:HD11	1:43:A:ALA:H	15	1.21
(1,1787)	1:42:A:LEU:HD12	1:43:A:ALA:H	15	1.21
(1,1787)	1:42:A:LEU:HD13	1:43:A:ALA:H	15	1.21
(1,1787)	1:42:A:LEU:HD21	1:43:A:ALA:H	15	1.21
(1,1787)	1:42:A:LEU:HD22	1:43:A:ALA:H	15	1.21
(1,1787)	1:42:A:LEU:HD23	1:43:A:ALA:H	15	1.21
(1,1748)	1:33:A:ALA:H	1:30:A:LYS:HA	5	1.21
(1,1748)	1:33:A:ALA:H	1:30:A:LYS:HA	6	1.21
(1,1748)	1:33:A:ALA:H	1:30:A:LYS:HA	8	1.21
(1,1723)	1:27:A:VAL:HB	1:28:A:ALA:H	1	1.21
(1,1674)	1:16:A:GLY:H	1:17:A:LEU:HA	13	1.21
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB2	7	1.21
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB3	7	1.21
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB2	15	1.21
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB3	15	1.21
(1,1642)	1:13:A:PHE:HA	1:14:A:ILE:HA	3	1.21
(1,1642)	1:13:A:PHE:HA	1:14:A:ILE:HA	7	1.21
(1,1642)	1:13:A:PHE:HA	1:14:A:ILE:HA	8	1.21
(1,1642)	1:13:A:PHE:HA	1:14:A:ILE:HA	15	1.21
(1,1639)	1:13:A:PHE:HB2	1:12:A:VAL:HA	5	1.21
(1,1639)	1:13:A:PHE:HB3	1:12:A:VAL:HA	5	1.21
(1,1639)	1:13:A:PHE:HB2	1:12:A:VAL:HA	6	1.21
(1,1639)	1:13:A:PHE:HB3	1:12:A:VAL:HA	6	1.21
(1,1639)	1:13:A:PHE:HB2	1:12:A:VAL:HA	9	1.21
(1,1639)	1:13:A:PHE:HB3	1:12:A:VAL:HA	9	1.21
(1,1639)	1:13:A:PHE:HB2	1:12:A:VAL:HA	11	1.21
(1,1639)	1:13:A:PHE:HB3	1:12:A:VAL:HA	11	1.21
(1,1639)	1:13:A:PHE:HB2	1:12:A:VAL:HA	15	1.21
(1,1639)	1:13:A:PHE:HB3	1:12:A:VAL:HA	15	1.21
(1,1632)	1:12:A:VAL:HA	1:15:A:ILE:H	4	1.21
(1,1632)	1:12:A:VAL:HA	1:15:A:ILE:H	14	1.21
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG21	8	1.21
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG22	8	1.21
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG23	8	1.21
(1,1595)	1:6:A:PHE:HB2	1:7:A:SER:H	11	1.21
(1,1560)	1:2:A:PHE:H	1:4:A:ILE:HG13	1	1.21
(1,1560)	1:2:A:PHE:H	1:4:A:ILE:HG13	9	1.21
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD11	1	1.21
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD12	1	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD13	1	1.21
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD11	1	1.21
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD12	1	1.21
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD13	1	1.21
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD11	1	1.21
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD12	1	1.21
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD13	1	1.21
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD11	9	1.21
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD12	9	1.21
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD13	9	1.21
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD11	9	1.21
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD12	9	1.21
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD13	9	1.21
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD11	9	1.21
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD12	9	1.21
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD13	9	1.21
(1,1534)	1:97:A:VAL:H	1:98:A:ALA:HA	7	1.21
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB1	1	1.21
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB2	1	1.21
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB3	1	1.21
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE21	5	1.21
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE22	5	1.21
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB2	10	1.21
(1,1404)	1:45:A:THR:H	1:42:A:LEU:HB3	10	1.21
(1,1403)	1:45:A:THR:HB	1:41:A:SER:HA	14	1.21
(1,1325)	1:27:A:VAL:HB	1:24:A:ARG:HG2	6	1.21
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG11	11	1.21
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG12	11	1.21
(1,1306)	1:19:A:VAL:H	1:18:A:VAL:HG13	11	1.21
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE1	2	1.21
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE2	2	1.21
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE1	2	1.21
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE2	2	1.21
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE1	2	1.21
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE2	2	1.21
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE1	4	1.21
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE2	4	1.21
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE1	4	1.21
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE2	4	1.21
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE1	4	1.21
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE2	4	1.21
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE1	14	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE2	14	1.21
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE1	14	1.21
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE2	14	1.21
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE1	14	1.21
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE2	14	1.21
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB2	9	1.21
(1,1277)	1:14:A:ILE:H	1:10:A:LEU:HB3	9	1.21
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB2	3	1.21
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB3	3	1.21
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG11	13	1.21
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG12	13	1.21
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG13	13	1.21
(1,904)	1:74:A:LEU:H	1:70:A:SER:HA	15	1.21
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD11	13	1.2
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD12	13	1.2
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD13	13	1.2
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	7	1.2
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	7	1.2
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	7	1.2
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	7	1.2
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	7	1.2
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	7	1.2
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	7	1.2
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	7	1.2
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	7	1.2
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	7	1.2
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	7	1.2
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	7	1.2
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	11	1.2
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	11	1.2
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	11	1.2
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	11	1.2
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG2	11	1.2
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG3	11	1.2
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD11	13	1.2
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD12	13	1.2
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD13	13	1.2
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	7	1.2
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	7	1.2
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	7	1.2
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	7	1.2
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	7	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	7	1.2
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	7	1.2
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	7	1.2
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	7	1.2
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	7	1.2
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	7	1.2
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	7	1.2
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	11	1.2
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	11	1.2
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	11	1.2
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	11	1.2
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG2	11	1.2
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG3	11	1.2
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD11	13	1.2
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD12	13	1.2
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD13	13	1.2
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	7	1.2
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	7	1.2
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	7	1.2
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	7	1.2
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	7	1.2
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	7	1.2
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	7	1.2
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	7	1.2
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	7	1.2
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	7	1.2
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	7	1.2
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	7	1.2
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	11	1.2
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	11	1.2
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	11	1.2
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	11	1.2
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG2	11	1.2
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG3	11	1.2
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD11	13	1.2
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD12	13	1.2
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD13	13	1.2
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	7	1.2
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	7	1.2
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	7	1.2
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	7	1.2
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	7	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	7	1.2
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	7	1.2
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	7	1.2
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	7	1.2
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	7	1.2
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	7	1.2
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	7	1.2
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	11	1.2
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	11	1.2
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	11	1.2
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	11	1.2
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG2	11	1.2
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG3	11	1.2
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD11	13	1.2
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD12	13	1.2
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD13	13	1.2
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	7	1.2
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	7	1.2
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	7	1.2
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	7	1.2
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	7	1.2
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	7	1.2
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	7	1.2
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	7	1.2
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	7	1.2
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	7	1.2
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	7	1.2
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	7	1.2
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	11	1.2
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	11	1.2
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	11	1.2
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	11	1.2
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG2	11	1.2
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG3	11	1.2
(1,2231)	1:101:A:PRO:HG2	1:102:A:LEU:HG	7	1.2
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB1	11	1.2
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB2	11	1.2
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB3	11	1.2
(1,2212)	1:98:A:ALA:HA	1:97:A:VAL:HB	4	1.2
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB1	8	1.2
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB2	8	1.2
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB3	8	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB1	8	1.2
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB2	8	1.2
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB3	8	1.2
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB1	8	1.2
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB2	8	1.2
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB3	8	1.2
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB1	11	1.2
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB2	11	1.2
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB3	11	1.2
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB1	12	1.2
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB2	12	1.2
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB3	12	1.2
(1,2137)	1:89:A:ALA:HA	1:91:A:SER:H	2	1.2
(1,2125)	1:86:A:ARG:HA	1:90:A:GLU:H	7	1.2
(1,2125)	1:86:A:ARG:HA	1:90:A:GLU:H	13	1.2
(1,2078)	1:83:A:ASP:H	1:80:A:ALA:HA	7	1.2
(1,2067)	1:82:A:MET:HB3	1:79:A:LYS:HA	1	1.2
(1,2067)	1:82:A:MET:HB3	1:79:A:LYS:HA	9	1.2
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD2	13	1.2
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD3	13	1.2
(1,2045)	1:79:A:LYS:H	1:78:A:LEU:HG	9	1.2
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD11	4	1.2
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD12	4	1.2
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD13	4	1.2
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD21	4	1.2
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD22	4	1.2
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD23	4	1.2
(1,2010)	1:75:A:THR:H	1:78:A:LEU:H	9	1.2
(1,1968)	1:70:A:SER:HB2	1:74:A:LEU:HG	13	1.2
(1,1968)	1:70:A:SER:HB3	1:74:A:LEU:HG	13	1.2
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD21	15	1.2
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD22	15	1.2
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD23	15	1.2
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE2	2	1.2
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE3	2	1.2
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE2	7	1.2
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE3	7	1.2
(1,1912)	1:64:A:LYS:H	1:63:A:LEU:HG	3	1.2
(1,1908)	1:64:A:LYS:H	1:61:A:ASP:H	2	1.2
(1,1908)	1:64:A:LYS:H	1:61:A:ASP:H	8	1.2
(1,1908)	1:64:A:LYS:H	1:61:A:ASP:H	11	1.2
(1,1899)	1:63:A:LEU:HB2	1:62:A:SER:HB2	12	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1897)	1:63:A:LEU:HG	1:60:A:GLN:HA	6	1.2
(1,1883)	1:61:A:ASP:HB2	1:62:A:SER:HA	1	1.2
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD11	11	1.2
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD12	11	1.2
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD13	11	1.2
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB2	14	1.2
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB3	14	1.2
(1,1824)	1:46:A:VAL:H	1:48:A:ASN:H	11	1.2
(1,1799)	1:43:A:ALA:HA	1:46:A:VAL:HB	14	1.2
(1,1792)	1:43:A:ALA:H	1:40:A:ARG:HA	13	1.2
(1,1792)	1:43:A:ALA:H	1:40:A:ARG:HA	15	1.2
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG21	4	1.2
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG22	4	1.2
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG23	4	1.2
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG21	5	1.2
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG22	5	1.2
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG23	5	1.2
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG21	9	1.2
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG22	9	1.2
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG23	9	1.2
(1,1748)	1:33:A:ALA:H	1:30:A:LYS:HA	13	1.2
(1,1662)	1:15:A:ILE:HG13	1:12:A:VAL:HA	9	1.2
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB2	6	1.2
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB3	6	1.2
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD11	13	1.2
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD12	13	1.2
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD13	13	1.2
(1,1639)	1:13:A:PHE:HB2	1:12:A:VAL:HA	12	1.2
(1,1639)	1:13:A:PHE:HB3	1:12:A:VAL:HA	12	1.2
(1,1625)	1:10:A:LEU:HA	1:13:A:PHE:H	7	1.2
(1,1625)	1:10:A:LEU:HA	1:13:A:PHE:H	11	1.2
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG21	7	1.2
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG22	7	1.2
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG23	7	1.2
(1,1560)	1:2:A:PHE:H	1:4:A:ILE:HG13	3	1.2
(1,1558)	1:2:A:PHE:HD1	1:4:A:ILE:HD11	15	1.2
(1,1558)	1:2:A:PHE:HD1	1:4:A:ILE:HD12	15	1.2
(1,1558)	1:2:A:PHE:HD1	1:4:A:ILE:HD13	15	1.2
(1,1558)	1:2:A:PHE:HD2	1:4:A:ILE:HD11	15	1.2
(1,1558)	1:2:A:PHE:HD2	1:4:A:ILE:HD12	15	1.2
(1,1558)	1:2:A:PHE:HD2	1:4:A:ILE:HD13	15	1.2
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD11	3	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD12	3	1.2
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD13	3	1.2
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD11	3	1.2
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD12	3	1.2
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD13	3	1.2
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD11	3	1.2
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD12	3	1.2
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD13	3	1.2
(1,1534)	1:97:A:VAL:H	1:98:A:ALA:HA	12	1.2
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB1	14	1.2
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB2	14	1.2
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB3	14	1.2
(1,1506)	1:86:A:ARG:HA	1:89:A:ALA:H	3	1.2
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD3	6	1.2
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD2	6	1.2
(1,1477)	1:75:A:THR:H	1:74:A:LEU:HG	14	1.2
(1,1470)	1:73:A:ASN:HB2	1:72:A:THR:H	6	1.2
(1,1470)	1:73:A:ASN:HB3	1:72:A:THR:H	6	1.2
(1,1447)	1:65:A:LYS:H	1:66:A:VAL:HB	6	1.2
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB1	4	1.2
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB2	4	1.2
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB3	4	1.2
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG21	3	1.2
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG22	3	1.2
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG23	3	1.2
(1,1325)	1:27:A:VAL:HB	1:24:A:ARG:HG2	13	1.2
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE1	10	1.2
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE2	10	1.2
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE1	10	1.2
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE2	10	1.2
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE1	10	1.2
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE2	10	1.2
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD11	4	1.19
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD12	4	1.19
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD13	4	1.19
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD11	14	1.19
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD12	14	1.19
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD13	14	1.19
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD11	8	1.19
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD12	8	1.19
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD13	8	1.19
(1,2819)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	15	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2819)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	15	1.19
(1,2808)	1:51:A:THR:HB	1:54:A:LEU:H	5	1.19
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD11	4	1.19
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD12	4	1.19
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD13	4	1.19
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD11	14	1.19
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD12	14	1.19
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD13	14	1.19
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD11	8	1.19
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD12	8	1.19
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD13	8	1.19
(1,2695)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	15	1.19
(1,2695)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	15	1.19
(1,2684)	1:51:A:THR:HB	1:54:A:LEU:H	5	1.19
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD11	4	1.19
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD12	4	1.19
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD13	4	1.19
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD11	14	1.19
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD12	14	1.19
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD13	14	1.19
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD11	8	1.19
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD12	8	1.19
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD13	8	1.19
(1,2571)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	15	1.19
(1,2571)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	15	1.19
(1,2560)	1:51:A:THR:HB	1:54:A:LEU:H	5	1.19
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD11	4	1.19
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD12	4	1.19
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD13	4	1.19
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD11	14	1.19
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD12	14	1.19
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD13	14	1.19
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD11	8	1.19
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD12	8	1.19
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD13	8	1.19
(1,2447)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	15	1.19
(1,2447)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	15	1.19
(1,2436)	1:51:A:THR:HB	1:54:A:LEU:H	5	1.19
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD11	4	1.19
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD12	4	1.19
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD13	4	1.19
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD11	14	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD12	14	1.19
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD13	14	1.19
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD11	8	1.19
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD12	8	1.19
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD13	8	1.19
(1,2323)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	15	1.19
(1,2323)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	15	1.19
(1,2312)	1:51:A:THR:HB	1:54:A:LEU:H	5	1.19
(1,2237)	1:102:A:LEU:H	1:103:A:GLU:HA	7	1.19
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE1	13	1.19
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE2	13	1.19
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE1	15	1.19
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE2	15	1.19
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD1	12	1.19
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD2	12	1.19
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG11	10	1.19
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG12	10	1.19
(1,2193)	1:96:A:TYR:H	1:97:A:VAL:HG13	10	1.19
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG11	5	1.19
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG12	5	1.19
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG13	5	1.19
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG21	5	1.19
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG22	5	1.19
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG23	5	1.19
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG11	7	1.19
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG12	7	1.19
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG13	7	1.19
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG21	7	1.19
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG22	7	1.19
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG23	7	1.19
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG11	14	1.19
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG12	14	1.19
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG13	14	1.19
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG21	14	1.19
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG22	14	1.19
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG23	14	1.19
(1,2094)	1:84:A:GLU:H	1:81:A:SER:HA	7	1.19
(1,2093)	1:84:A:GLU:HB2	1:81:A:SER:HB3	14	1.19
(1,2049)	1:79:A:LYS:HA	1:81:A:SER:H	15	1.19
(1,2045)	1:79:A:LYS:H	1:78:A:LEU:HG	13	1.19
(1,2042)	1:79:A:LYS:H	1:77:A:GLU:H	14	1.19
(1,2028)	1:77:A:GLU:HG3	1:78:A:LEU:H	15	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:70:A:SER:HB2	1:74:A:LEU:HG	3	1.19
(1,1968)	1:70:A:SER:HB3	1:74:A:LEU:HG	3	1.19
(1,1968)	1:70:A:SER:HB2	1:74:A:LEU:HG	9	1.19
(1,1968)	1:70:A:SER:HB3	1:74:A:LEU:HG	9	1.19
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG21	3	1.19
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG22	3	1.19
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG23	3	1.19
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG21	9	1.19
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG22	9	1.19
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG23	9	1.19
(1,1947)	1:67:A:GLU:HG2	1:68:A:LYS:H	13	1.19
(1,1947)	1:67:A:GLU:HG3	1:68:A:LYS:H	13	1.19
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD11	8	1.19
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD12	8	1.19
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD13	8	1.19
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD21	8	1.19
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD22	8	1.19
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD23	8	1.19
(1,1915)	1:64:A:LYS:H	1:67:A:GLU:H	13	1.19
(1,1915)	1:64:A:LYS:H	1:67:A:GLU:H	14	1.19
(1,1912)	1:64:A:LYS:H	1:63:A:LEU:HG	14	1.19
(1,1897)	1:63:A:LEU:HG	1:60:A:GLN:HA	5	1.19
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD1	2	1.19
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD2	2	1.19
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD1	5	1.19
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD2	5	1.19
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD1	5	1.19
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD2	5	1.19
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD1	12	1.19
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD2	12	1.19
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD1	12	1.19
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD2	12	1.19
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD1	15	1.19
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD2	15	1.19
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD1	15	1.19
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD2	15	1.19
(1,1889)	1:62:A:SER:H	1:60:A:GLN:HA	7	1.19
(1,1829)	1:47:A:GLN:HB2	1:48:A:ASN:H	12	1.19
(1,1829)	1:47:A:GLN:HB3	1:48:A:ASN:H	12	1.19
(1,1821)	1:46:A:VAL:HA	1:47:A:GLN:H	6	1.19
(1,1821)	1:46:A:VAL:HA	1:47:A:GLN:H	7	1.19
(1,1792)	1:43:A:ALA:H	1:40:A:ARG:HA	7	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG21	8	1.19
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG22	8	1.19
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG23	8	1.19
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB2	4	1.19
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB3	4	1.19
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB2	5	1.19
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB3	5	1.19
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB2	14	1.19
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB3	14	1.19
(1,1642)	1:13:A:PHE:HA	1:14:A:ILE:HA	11	1.19
(1,1642)	1:13:A:PHE:HA	1:14:A:ILE:HA	13	1.19
(1,1639)	1:13:A:PHE:HB2	1:12:A:VAL:HA	13	1.19
(1,1639)	1:13:A:PHE:HB3	1:12:A:VAL:HA	13	1.19
(1,1632)	1:12:A:VAL:HA	1:15:A:ILE:H	6	1.19
(1,1600)	1:6:A:PHE:HA	1:9:A:LEU:H	12	1.19
(1,1560)	1:2:A:PHE:H	1:4:A:ILE:HG13	14	1.19
(1,1546)	1:2:A:PHE:HD1	1:1:A:MET:HA	13	1.19
(1,1546)	1:2:A:PHE:HD2	1:1:A:MET:HA	13	1.19
(1,1540)	1:103:A:GLU:H	1:101:A:PRO:HA	6	1.19
(1,1533)	1:97:A:VAL:H	1:98:A:ALA:H	7	1.19
(1,1506)	1:86:A:ARG:HA	1:89:A:ALA:H	1	1.19
(1,1506)	1:86:A:ARG:HA	1:89:A:ALA:H	5	1.19
(1,1506)	1:86:A:ARG:HA	1:89:A:ALA:H	8	1.19
(1,1506)	1:86:A:ARG:HA	1:89:A:ALA:H	10	1.19
(1,1506)	1:86:A:ARG:HA	1:89:A:ALA:H	11	1.19
(1,1506)	1:86:A:ARG:HA	1:89:A:ALA:H	15	1.19
(1,1477)	1:75:A:THR:H	1:74:A:LEU:HG	4	1.19
(1,1470)	1:73:A:ASN:HB2	1:72:A:THR:H	8	1.19
(1,1470)	1:73:A:ASN:HB3	1:72:A:THR:H	8	1.19
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD2	15	1.19
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD3	15	1.19
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD21	2	1.19
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD22	2	1.19
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD23	2	1.19
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE21	8	1.19
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE22	8	1.19
(1,1412)	1:47:A:GLN:H	1:43:A:ALA:HA	6	1.19
(1,1350)	1:35:A:TRP:HZ3	1:32:A:VAL:HA	3	1.19
(1,1350)	1:35:A:TRP:HZ3	1:32:A:VAL:HA	6	1.19
(1,1350)	1:35:A:TRP:HZ3	1:32:A:VAL:HA	7	1.19
(1,1350)	1:35:A:TRP:HZ3	1:32:A:VAL:HA	10	1.19
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG21	2	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG22	2	1.19
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG23	2	1.19
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG21	11	1.19
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG22	11	1.19
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG23	11	1.19
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB2	5	1.19
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	5	1.19
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB2	5	1.19
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	5	1.19
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB2	5	1.19
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	5	1.19
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB2	15	1.19
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	15	1.19
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB2	15	1.19
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	15	1.19
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB2	15	1.19
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	15	1.19
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG21	11	1.19
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG22	11	1.19
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG23	11	1.19
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG21	11	1.19
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG22	11	1.19
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG23	11	1.19
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG11	11	1.19
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG12	11	1.19
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG13	11	1.19
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG11	11	1.19
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG12	11	1.19
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG13	11	1.19
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB2	9	1.19
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB3	9	1.19
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG11	15	1.19
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG12	15	1.19
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG13	15	1.19
(1,893)	1:65:A:LYS:HB2	1:68:A:LYS:H	10	1.19
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG21	11	1.18
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG22	11	1.18
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG23	11	1.18
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG21	11	1.18
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG22	11	1.18
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG23	11	1.18
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	15	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	15	1.18
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	15	1.18
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	15	1.18
(1,2820)	1:56:A:LEU:HB3	1:51:A:THR:H	8	1.18
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG2	7	1.18
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG3	7	1.18
(1,2808)	1:51:A:THR:HB	1:54:A:LEU:H	3	1.18
(1,2808)	1:51:A:THR:HB	1:54:A:LEU:H	4	1.18
(1,2808)	1:51:A:THR:HB	1:54:A:LEU:H	6	1.18
(1,2801)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	5	1.18
(1,2801)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	5	1.18
(1,2801)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	5	1.18
(1,2800)	1:49:A:GLU:HA	1:54:A:LEU:H	5	1.18
(1,2800)	1:49:A:GLU:HA	1:54:A:LEU:H	15	1.18
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG21	11	1.18
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG22	11	1.18
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG23	11	1.18
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG21	11	1.18
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG22	11	1.18
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG23	11	1.18
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	15	1.18
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	15	1.18
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	15	1.18
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	15	1.18
(1,2696)	1:56:A:LEU:HB3	1:51:A:THR:H	8	1.18
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG2	7	1.18
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG3	7	1.18
(1,2684)	1:51:A:THR:HB	1:54:A:LEU:H	3	1.18
(1,2684)	1:51:A:THR:HB	1:54:A:LEU:H	4	1.18
(1,2684)	1:51:A:THR:HB	1:54:A:LEU:H	6	1.18
(1,2677)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	5	1.18
(1,2677)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	5	1.18
(1,2677)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	5	1.18
(1,2676)	1:49:A:GLU:HA	1:54:A:LEU:H	5	1.18
(1,2676)	1:49:A:GLU:HA	1:54:A:LEU:H	15	1.18
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG21	11	1.18
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG22	11	1.18
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG23	11	1.18
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG21	11	1.18
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG22	11	1.18
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG23	11	1.18
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	15	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	15	1.18
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	15	1.18
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	15	1.18
(1,2572)	1:56:A:LEU:HB3	1:51:A:THR:H	8	1.18
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG2	7	1.18
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG3	7	1.18
(1,2560)	1:51:A:THR:HB	1:54:A:LEU:H	3	1.18
(1,2560)	1:51:A:THR:HB	1:54:A:LEU:H	4	1.18
(1,2560)	1:51:A:THR:HB	1:54:A:LEU:H	6	1.18
(1,2553)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	5	1.18
(1,2553)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	5	1.18
(1,2553)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	5	1.18
(1,2552)	1:49:A:GLU:HA	1:54:A:LEU:H	5	1.18
(1,2552)	1:49:A:GLU:HA	1:54:A:LEU:H	15	1.18
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG21	11	1.18
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG22	11	1.18
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG23	11	1.18
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG21	11	1.18
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG22	11	1.18
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG23	11	1.18
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	15	1.18
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	15	1.18
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	15	1.18
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	15	1.18
(1,2448)	1:56:A:LEU:HB3	1:51:A:THR:H	8	1.18
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG2	7	1.18
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG3	7	1.18
(1,2436)	1:51:A:THR:HB	1:54:A:LEU:H	3	1.18
(1,2436)	1:51:A:THR:HB	1:54:A:LEU:H	4	1.18
(1,2436)	1:51:A:THR:HB	1:54:A:LEU:H	6	1.18
(1,2429)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	5	1.18
(1,2429)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	5	1.18
(1,2429)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	5	1.18
(1,2428)	1:49:A:GLU:HA	1:54:A:LEU:H	5	1.18
(1,2428)	1:49:A:GLU:HA	1:54:A:LEU:H	15	1.18
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG21	11	1.18
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG22	11	1.18
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG23	11	1.18
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG21	11	1.18
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG22	11	1.18
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG23	11	1.18
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	15	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	15	1.18
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	15	1.18
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	15	1.18
(1,2324)	1:56:A:LEU:HB3	1:51:A:THR:H	8	1.18
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG2	7	1.18
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG3	7	1.18
(1,2312)	1:51:A:THR:HB	1:54:A:LEU:H	3	1.18
(1,2312)	1:51:A:THR:HB	1:54:A:LEU:H	4	1.18
(1,2312)	1:51:A:THR:HB	1:54:A:LEU:H	6	1.18
(1,2305)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	5	1.18
(1,2305)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	5	1.18
(1,2305)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	5	1.18
(1,2304)	1:49:A:GLU:HA	1:54:A:LEU:H	5	1.18
(1,2304)	1:49:A:GLU:HA	1:54:A:LEU:H	15	1.18
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB1	1	1.18
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB2	1	1.18
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB3	1	1.18
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB1	1	1.18
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB2	1	1.18
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB3	1	1.18
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB1	3	1.18
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB2	3	1.18
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB3	3	1.18
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB1	5	1.18
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB2	5	1.18
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB3	5	1.18
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB1	5	1.18
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB2	5	1.18
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB3	5	1.18
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB1	5	1.18
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB2	5	1.18
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB3	5	1.18
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG11	6	1.18
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG12	6	1.18
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG13	6	1.18
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG21	6	1.18
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG22	6	1.18
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG23	6	1.18
(1,2137)	1:89:A:ALA:HA	1:91:A:SER:H	4	1.18
(1,2137)	1:89:A:ALA:HA	1:91:A:SER:H	10	1.18
(1,2093)	1:84:A:GLU:HB2	1:81:A:SER:HB3	2	1.18
(1,2071)	1:82:A:MET:H	1:83:A:ASP:HB2	2	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2067)	1:82:A:MET:HB3	1:79:A:LYS:HA	3	1.18
(1,2067)	1:82:A:MET:HB3	1:79:A:LYS:HA	10	1.18
(1,2067)	1:82:A:MET:HB3	1:79:A:LYS:HA	12	1.18
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD2	10	1.18
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD3	10	1.18
(1,2049)	1:79:A:LYS:HA	1:81:A:SER:H	14	1.18
(1,2010)	1:75:A:THR:H	1:78:A:LEU:H	3	1.18
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD11	10	1.18
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD12	10	1.18
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD13	10	1.18
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD21	10	1.18
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD22	10	1.18
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD23	10	1.18
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD21	9	1.18
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD22	9	1.18
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD23	9	1.18
(1,1915)	1:64:A:LYS:H	1:67:A:GLU:H	3	1.18
(1,1915)	1:64:A:LYS:H	1:67:A:GLU:H	4	1.18
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD21	15	1.18
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD22	15	1.18
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD23	15	1.18
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD11	15	1.18
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD12	15	1.18
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD13	15	1.18
(1,1912)	1:64:A:LYS:H	1:63:A:LEU:HG	4	1.18
(1,1912)	1:64:A:LYS:H	1:63:A:LEU:HG	12	1.18
(1,1906)	1:63:A:LEU:HA	1:66:A:VAL:H	10	1.18
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD1	9	1.18
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD2	9	1.18
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD1	6	1.18
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD2	6	1.18
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD1	6	1.18
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD2	6	1.18
(1,1887)	1:61:A:ASP:HA	1:64:A:LYS:H	2	1.18
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD11	12	1.18
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD12	12	1.18
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD13	12	1.18
(1,1863)	1:55:A:LYS:HA	1:54:A:LEU:H	14	1.18
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB2	2	1.18
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB3	2	1.18
(1,1834)	1:48:A:ASN:HB3	1:49:A:GLU:H	7	1.18
(1,1834)	1:48:A:ASN:HB2	1:49:A:GLU:H	7	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1821)	1:46:A:VAL:HA	1:47:A:GLN:H	4	1.18
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG11	6	1.18
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG12	6	1.18
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG13	6	1.18
(1,1792)	1:43:A:ALA:H	1:40:A:ARG:HA	12	1.18
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG21	12	1.18
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG22	12	1.18
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG23	12	1.18
(1,1785)	1:42:A:LEU:H	1:39:A:LEU:HA	10	1.18
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG21	2	1.18
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG22	2	1.18
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG23	2	1.18
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG21	2	1.18
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG22	2	1.18
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG23	2	1.18
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD21	2	1.18
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD22	2	1.18
(1,1694)	1:21:A:GLY:H	1:17:A:LEU:HD23	2	1.18
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB2	10	1.18
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB3	10	1.18
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD1	12	1.18
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD2	12	1.18
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD21	15	1.18
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD22	15	1.18
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD23	15	1.18
(1,1632)	1:12:A:VAL:HA	1:15:A:ILE:H	5	1.18
(1,1625)	1:10:A:LEU:HA	1:13:A:PHE:H	8	1.18
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG21	3	1.18
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG22	3	1.18
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG23	3	1.18
(1,1560)	1:2:A:PHE:H	1:4:A:ILE:HG13	5	1.18
(1,1528)	1:96:A:TYR:H	1:94:A:ARG:HA	2	1.18
(1,1526)	1:95:A:SER:HA	1:94:A:ARG:HG2	2	1.18
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB1	1	1.18
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB2	1	1.18
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB3	1	1.18
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB1	6	1.18
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB2	6	1.18
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB3	6	1.18
(1,1506)	1:86:A:ARG:HA	1:89:A:ALA:H	2	1.18
(1,1506)	1:86:A:ARG:HA	1:89:A:ALA:H	4	1.18
(1,1506)	1:86:A:ARG:HA	1:89:A:ALA:H	6	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:86:A:ARG:HA	1:89:A:ALA:H	7	1.18
(1,1506)	1:86:A:ARG:HA	1:89:A:ALA:H	12	1.18
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD3	8	1.18
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD2	8	1.18
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB1	11	1.18
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB2	11	1.18
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB3	11	1.18
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD2	13	1.18
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD3	13	1.18
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE21	9	1.18
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE22	9	1.18
(1,1412)	1:47:A:GLN:H	1:43:A:ALA:HA	7	1.18
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG21	6	1.18
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG22	6	1.18
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG23	6	1.18
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG21	13	1.18
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG22	13	1.18
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG23	13	1.18
(1,1350)	1:35:A:TRP:HZ3	1:32:A:VAL:HA	9	1.18
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB2	7	1.18
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB3	7	1.18
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD11	6	1.17
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD12	6	1.17
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD13	6	1.17
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD11	8	1.17
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD12	8	1.17
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD13	8	1.17
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG21	13	1.17
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG22	13	1.17
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG23	13	1.17
(1,2845)	1:71:A:LEU:H	1:68:A:LYS:HG2	15	1.17
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD21	13	1.17
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD22	13	1.17
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD23	13	1.17
(1,2808)	1:51:A:THR:HB	1:54:A:LEU:H	1	1.17
(1,2808)	1:51:A:THR:HB	1:54:A:LEU:H	7	1.17
(1,2808)	1:51:A:THR:HB	1:54:A:LEU:H	8	1.17
(1,2802)	1:50:A:LEU:H	1:53:A:GLU:H	12	1.17
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG21	10	1.17
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG22	10	1.17
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG23	10	1.17
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG21	10	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG22	10	1.17
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG23	10	1.17
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG21	11	1.17
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG22	11	1.17
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG23	11	1.17
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD11	6	1.17
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD12	6	1.17
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD13	6	1.17
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD11	8	1.17
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD12	8	1.17
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD13	8	1.17
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG21	13	1.17
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG22	13	1.17
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG23	13	1.17
(1,2721)	1:71:A:LEU:H	1:68:A:LYS:HG2	15	1.17
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD21	13	1.17
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD22	13	1.17
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD23	13	1.17
(1,2684)	1:51:A:THR:HB	1:54:A:LEU:H	1	1.17
(1,2684)	1:51:A:THR:HB	1:54:A:LEU:H	7	1.17
(1,2684)	1:51:A:THR:HB	1:54:A:LEU:H	8	1.17
(1,2678)	1:50:A:LEU:H	1:53:A:GLU:H	12	1.17
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG21	10	1.17
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG22	10	1.17
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG23	10	1.17
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG21	10	1.17
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG22	10	1.17
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG23	10	1.17
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG21	11	1.17
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG22	11	1.17
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG23	11	1.17
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD11	6	1.17
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD12	6	1.17
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD13	6	1.17
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD11	8	1.17
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD12	8	1.17
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD13	8	1.17
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG21	13	1.17
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG22	13	1.17
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG23	13	1.17
(1,2597)	1:71:A:LEU:H	1:68:A:LYS:HG2	15	1.17
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD21	13	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD22	13	1.17
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD23	13	1.17
(1,2560)	1:51:A:THR:HB	1:54:A:LEU:H	1	1.17
(1,2560)	1:51:A:THR:HB	1:54:A:LEU:H	7	1.17
(1,2560)	1:51:A:THR:HB	1:54:A:LEU:H	8	1.17
(1,2554)	1:50:A:LEU:H	1:53:A:GLU:H	12	1.17
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG21	10	1.17
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG22	10	1.17
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG23	10	1.17
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG21	10	1.17
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG22	10	1.17
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG23	10	1.17
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG21	11	1.17
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG22	11	1.17
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG23	11	1.17
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD11	6	1.17
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD12	6	1.17
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD13	6	1.17
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD11	8	1.17
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD12	8	1.17
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD13	8	1.17
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG21	13	1.17
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG22	13	1.17
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG23	13	1.17
(1,2473)	1:71:A:LEU:H	1:68:A:LYS:HG2	15	1.17
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD21	13	1.17
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD22	13	1.17
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD23	13	1.17
(1,2436)	1:51:A:THR:HB	1:54:A:LEU:H	1	1.17
(1,2436)	1:51:A:THR:HB	1:54:A:LEU:H	7	1.17
(1,2436)	1:51:A:THR:HB	1:54:A:LEU:H	8	1.17
(1,2430)	1:50:A:LEU:H	1:53:A:GLU:H	12	1.17
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG21	10	1.17
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG22	10	1.17
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG23	10	1.17
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG21	10	1.17
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG22	10	1.17
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG23	10	1.17
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG21	11	1.17
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG22	11	1.17
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG23	11	1.17
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD11	6	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD12	6	1.17
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD13	6	1.17
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD11	8	1.17
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD12	8	1.17
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD13	8	1.17
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG21	13	1.17
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG22	13	1.17
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG23	13	1.17
(1,2349)	1:71:A:LEU:H	1:68:A:LYS:HG2	15	1.17
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD21	13	1.17
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD22	13	1.17
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD23	13	1.17
(1,2312)	1:51:A:THR:HB	1:54:A:LEU:H	1	1.17
(1,2312)	1:51:A:THR:HB	1:54:A:LEU:H	7	1.17
(1,2312)	1:51:A:THR:HB	1:54:A:LEU:H	8	1.17
(1,2306)	1:50:A:LEU:H	1:53:A:GLU:H	12	1.17
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG21	10	1.17
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG22	10	1.17
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG23	10	1.17
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG21	10	1.17
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG22	10	1.17
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG23	10	1.17
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG21	11	1.17
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG22	11	1.17
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG23	11	1.17
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB1	13	1.17
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB2	13	1.17
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB3	13	1.17
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB1	13	1.17
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB2	13	1.17
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB3	13	1.17
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB1	15	1.17
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB2	15	1.17
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB3	15	1.17
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB1	15	1.17
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB2	15	1.17
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB3	15	1.17
(1,2215)	1:98:A:ALA:H	1:99:A:ASN:HA	1	1.17
(1,2215)	1:98:A:ALA:H	1:99:A:ASN:HA	12	1.17
(1,2215)	1:98:A:ALA:H	1:99:A:ASN:HA	13	1.17
(1,2215)	1:98:A:ALA:H	1:99:A:ASN:HA	15	1.17
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG11	9	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG12	9	1.17
(1,2214)	1:98:A:ALA:H	1:97:A:VAL:HG13	9	1.17
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE1	1	1.17
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE2	1	1.17
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB1	1	1.17
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB2	1	1.17
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB3	1	1.17
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG11	2	1.17
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG12	2	1.17
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG13	2	1.17
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG21	2	1.17
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG22	2	1.17
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG23	2	1.17
(1,2107)	1:84:A:GLU:HA	1:87:A:GLN:H	7	1.17
(1,2094)	1:84:A:GLU:H	1:81:A:SER:HA	14	1.17
(1,2067)	1:82:A:MET:HB3	1:79:A:LYS:HA	4	1.17
(1,2067)	1:82:A:MET:HB3	1:79:A:LYS:HA	6	1.17
(1,2067)	1:82:A:MET:HB3	1:79:A:LYS:HA	15	1.17
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD2	15	1.17
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD3	15	1.17
(1,2049)	1:79:A:LYS:HA	1:81:A:SER:H	12	1.17
(1,2045)	1:79:A:LYS:H	1:78:A:LEU:HG	8	1.17
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG21	4	1.17
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG22	4	1.17
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG23	4	1.17
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG21	14	1.17
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG22	14	1.17
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG23	14	1.17
(1,1947)	1:67:A:GLU:HG2	1:68:A:LYS:H	9	1.17
(1,1947)	1:67:A:GLU:HG3	1:68:A:LYS:H	9	1.17
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG21	5	1.17
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG22	5	1.17
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG23	5	1.17
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD21	4	1.17
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD22	4	1.17
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD23	4	1.17
(1,1908)	1:64:A:LYS:H	1:61:A:ASP:H	1	1.17
(1,1908)	1:64:A:LYS:H	1:61:A:ASP:H	6	1.17
(1,1908)	1:64:A:LYS:H	1:61:A:ASP:H	13	1.17
(1,1897)	1:63:A:LEU:HG	1:60:A:GLN:HA	13	1.17
(1,1882)	1:61:A:ASP:H	1:60:A:GLN:HB2	11	1.17
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG11	13	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG12	13	1.17
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG13	13	1.17
(1,1799)	1:43:A:ALA:HA	1:46:A:VAL:HB	6	1.17
(1,1792)	1:43:A:ALA:H	1:40:A:ARG:HA	1	1.17
(1,1792)	1:43:A:ALA:H	1:40:A:ARG:HA	3	1.17
(1,1792)	1:43:A:ALA:H	1:40:A:ARG:HA	5	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB2	1	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB3	1	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB2	3	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB3	3	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB2	4	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB3	4	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB2	5	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB3	5	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB2	6	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB3	6	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB2	7	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB3	7	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB2	8	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB3	8	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB2	9	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB3	9	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB2	10	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB3	10	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB2	11	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB3	11	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB2	13	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB3	13	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB2	14	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB3	14	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB2	15	1.17
(1,1706)	1:23:A:GLN:H	1:22:A:PRO:HB3	15	1.17
(1,1625)	1:10:A:LEU:HA	1:13:A:PHE:H	3	1.17
(1,1560)	1:2:A:PHE:H	1:4:A:ILE:HG13	7	1.17
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD11	5	1.17
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD12	5	1.17
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD13	5	1.17
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD11	5	1.17
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD12	5	1.17
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD13	5	1.17
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD11	5	1.17
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD12	5	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD13	5	1.17
(1,1540)	1:103:A:GLU:H	1:101:A:PRO:HA	10	1.17
(1,1534)	1:97:A:VAL:H	1:98:A:ALA:HA	11	1.17
(1,1528)	1:96:A:TYR:H	1:94:A:ARG:HA	6	1.17
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB1	3	1.17
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB2	3	1.17
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB3	3	1.17
(1,1506)	1:86:A:ARG:HA	1:89:A:ALA:H	9	1.17
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB1	13	1.17
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB2	13	1.17
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB3	13	1.17
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD3	3	1.17
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD2	3	1.17
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD2	5	1.17
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD3	5	1.17
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG2	13	1.17
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG3	13	1.17
(1,1425)	1:48:A:ASN:HA	1:51:A:THR:H	12	1.17
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG11	13	1.17
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG12	13	1.17
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG13	13	1.17
(1,1414)	1:47:A:GLN:H	1:44:A:THR:HB	15	1.17
(1,1403)	1:45:A:THR:HB	1:41:A:SER:HA	4	1.17
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG21	1	1.17
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG22	1	1.17
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG23	1	1.17
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG21	11	1.17
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG22	11	1.17
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG23	11	1.17
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB2	12	1.17
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB3	12	1.17
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB2	15	1.17
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB3	15	1.17
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB2	2	1.17
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB3	2	1.17
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB2	4	1.17
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB3	4	1.17
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB2	10	1.17
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB3	10	1.17
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB2	14	1.17
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB3	14	1.17
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG11	12	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG12	12	1.17
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG13	12	1.17
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	10	1.16
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	10	1.16
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	10	1.16
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	10	1.16
(1,2820)	1:56:A:LEU:HB3	1:51:A:THR:H	12	1.16
(1,2819)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	4	1.16
(1,2819)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	4	1.16
(1,2819)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	7	1.16
(1,2819)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	7	1.16
(1,2819)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	8	1.16
(1,2819)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	8	1.16
(1,2819)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	10	1.16
(1,2819)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	10	1.16
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG2	1	1.16
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG3	1	1.16
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG2	2	1.16
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG3	2	1.16
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG2	6	1.16
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG3	6	1.16
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG2	13	1.16
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG3	13	1.16
(1,2808)	1:51:A:THR:HB	1:54:A:LEU:H	9	1.16
(1,2808)	1:51:A:THR:HB	1:54:A:LEU:H	12	1.16
(1,2808)	1:51:A:THR:HB	1:54:A:LEU:H	13	1.16
(1,2808)	1:51:A:THR:HB	1:54:A:LEU:H	14	1.16
(1,2800)	1:49:A:GLU:HA	1:54:A:LEU:H	4	1.16
(1,2798)	1:49:A:GLU:HA	1:53:A:GLU:H	6	1.16
(1,2798)	1:49:A:GLU:HA	1:53:A:GLU:H	7	1.16
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	10	1.16
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	10	1.16
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	10	1.16
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	10	1.16
(1,2696)	1:56:A:LEU:HB3	1:51:A:THR:H	12	1.16
(1,2695)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	4	1.16
(1,2695)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	4	1.16
(1,2695)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	7	1.16
(1,2695)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	7	1.16
(1,2695)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	8	1.16
(1,2695)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	8	1.16
(1,2695)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	10	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2695)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	10	1.16
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG2	1	1.16
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG3	1	1.16
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG2	2	1.16
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG3	2	1.16
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG2	6	1.16
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG3	6	1.16
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG2	13	1.16
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG3	13	1.16
(1,2684)	1:51:A:THR:HB	1:54:A:LEU:H	9	1.16
(1,2684)	1:51:A:THR:HB	1:54:A:LEU:H	12	1.16
(1,2684)	1:51:A:THR:HB	1:54:A:LEU:H	13	1.16
(1,2684)	1:51:A:THR:HB	1:54:A:LEU:H	14	1.16
(1,2676)	1:49:A:GLU:HA	1:54:A:LEU:H	4	1.16
(1,2674)	1:49:A:GLU:HA	1:53:A:GLU:H	6	1.16
(1,2674)	1:49:A:GLU:HA	1:53:A:GLU:H	7	1.16
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	10	1.16
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	10	1.16
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	10	1.16
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	10	1.16
(1,2572)	1:56:A:LEU:HB3	1:51:A:THR:H	12	1.16
(1,2571)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	4	1.16
(1,2571)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	4	1.16
(1,2571)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	7	1.16
(1,2571)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	7	1.16
(1,2571)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	8	1.16
(1,2571)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	8	1.16
(1,2571)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	10	1.16
(1,2571)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	10	1.16
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG2	1	1.16
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG3	1	1.16
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG2	2	1.16
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG3	2	1.16
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG2	6	1.16
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG3	6	1.16
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG2	13	1.16
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG3	13	1.16
(1,2560)	1:51:A:THR:HB	1:54:A:LEU:H	9	1.16
(1,2560)	1:51:A:THR:HB	1:54:A:LEU:H	12	1.16
(1,2560)	1:51:A:THR:HB	1:54:A:LEU:H	13	1.16
(1,2560)	1:51:A:THR:HB	1:54:A:LEU:H	14	1.16
(1,2552)	1:49:A:GLU:HA	1:54:A:LEU:H	4	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2550)	1:49:A:GLU:HA	1:53:A:GLU:H	6	1.16
(1,2550)	1:49:A:GLU:HA	1:53:A:GLU:H	7	1.16
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	10	1.16
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	10	1.16
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	10	1.16
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	10	1.16
(1,2448)	1:56:A:LEU:HB3	1:51:A:THR:H	12	1.16
(1,2447)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	4	1.16
(1,2447)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	4	1.16
(1,2447)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	7	1.16
(1,2447)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	7	1.16
(1,2447)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	8	1.16
(1,2447)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	8	1.16
(1,2447)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	10	1.16
(1,2447)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	10	1.16
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG2	1	1.16
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG3	1	1.16
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG2	2	1.16
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG3	2	1.16
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG2	6	1.16
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG3	6	1.16
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG2	13	1.16
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG3	13	1.16
(1,2436)	1:51:A:THR:HB	1:54:A:LEU:H	9	1.16
(1,2436)	1:51:A:THR:HB	1:54:A:LEU:H	12	1.16
(1,2436)	1:51:A:THR:HB	1:54:A:LEU:H	13	1.16
(1,2436)	1:51:A:THR:HB	1:54:A:LEU:H	14	1.16
(1,2428)	1:49:A:GLU:HA	1:54:A:LEU:H	4	1.16
(1,2426)	1:49:A:GLU:HA	1:53:A:GLU:H	6	1.16
(1,2426)	1:49:A:GLU:HA	1:53:A:GLU:H	7	1.16
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	10	1.16
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	10	1.16
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	10	1.16
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	10	1.16
(1,2324)	1:56:A:LEU:HB3	1:51:A:THR:H	12	1.16
(1,2323)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	4	1.16
(1,2323)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	4	1.16
(1,2323)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	7	1.16
(1,2323)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	7	1.16
(1,2323)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	8	1.16
(1,2323)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	8	1.16
(1,2323)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	10	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2323)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	10	1.16
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG2	1	1.16
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG3	1	1.16
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG2	2	1.16
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG3	2	1.16
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG2	6	1.16
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG3	6	1.16
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG2	13	1.16
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG3	13	1.16
(1,2312)	1:51:A:THR:HB	1:54:A:LEU:H	9	1.16
(1,2312)	1:51:A:THR:HB	1:54:A:LEU:H	12	1.16
(1,2312)	1:51:A:THR:HB	1:54:A:LEU:H	13	1.16
(1,2312)	1:51:A:THR:HB	1:54:A:LEU:H	14	1.16
(1,2304)	1:49:A:GLU:HA	1:54:A:LEU:H	4	1.16
(1,2302)	1:49:A:GLU:HA	1:53:A:GLU:H	6	1.16
(1,2302)	1:49:A:GLU:HA	1:53:A:GLU:H	7	1.16
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB1	4	1.16
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB2	4	1.16
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB3	4	1.16
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD1	13	1.16
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD2	13	1.16
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD1	15	1.16
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD2	15	1.16
(1,2137)	1:89:A:ALA:HA	1:91:A:SER:H	5	1.16
(1,2137)	1:89:A:ALA:HA	1:91:A:SER:H	11	1.16
(1,2093)	1:84:A:GLU:HB2	1:81:A:SER:HB3	11	1.16
(1,2049)	1:79:A:LYS:HA	1:81:A:SER:H	10	1.16
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD11	3	1.16
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD12	3	1.16
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD13	3	1.16
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD21	3	1.16
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD22	3	1.16
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD23	3	1.16
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD11	9	1.16
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD12	9	1.16
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD13	9	1.16
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD21	9	1.16
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD22	9	1.16
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD23	9	1.16
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD11	13	1.16
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD12	13	1.16
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD13	13	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD21	13	1.16
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD22	13	1.16
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD23	13	1.16
(1,2010)	1:75:A:THR:H	1:78:A:LEU:H	8	1.16
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG21	13	1.16
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG22	13	1.16
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG23	13	1.16
(1,1960)	1:69:A:ALA:HA	1:72:A:THR:H	15	1.16
(1,1920)	1:65:A:LYS:H	1:63:A:LEU:H	14	1.16
(1,1915)	1:64:A:LYS:H	1:67:A:GLU:H	9	1.16
(1,1898)	1:63:A:LEU:H	1:61:A:ASP:H	14	1.16
(1,1889)	1:62:A:SER:H	1:60:A:GLN:HA	11	1.16
(1,1889)	1:62:A:SER:H	1:60:A:GLN:HA	14	1.16
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD11	5	1.16
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD12	5	1.16
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD13	5	1.16
(1,1821)	1:46:A:VAL:HA	1:47:A:GLN:H	3	1.16
(1,1821)	1:46:A:VAL:HA	1:47:A:GLN:H	10	1.16
(1,1816)	1:45:A:THR:H	1:48:A:ASN:H	14	1.16
(1,1785)	1:42:A:LEU:H	1:39:A:LEU:HA	5	1.16
(1,1785)	1:42:A:LEU:H	1:39:A:LEU:HA	8	1.16
(1,1701)	1:22:A:PRO:HD2	1:21:A:GLY:H	1	1.16
(1,1701)	1:22:A:PRO:HD3	1:21:A:GLY:H	1	1.16
(1,1701)	1:22:A:PRO:HD2	1:21:A:GLY:H	5	1.16
(1,1701)	1:22:A:PRO:HD3	1:21:A:GLY:H	5	1.16
(1,1701)	1:22:A:PRO:HD2	1:21:A:GLY:H	6	1.16
(1,1701)	1:22:A:PRO:HD3	1:21:A:GLY:H	6	1.16
(1,1642)	1:13:A:PHE:HA	1:14:A:ILE:HA	1	1.16
(1,1642)	1:13:A:PHE:HA	1:14:A:ILE:HA	12	1.16
(1,1625)	1:10:A:LEU:HA	1:13:A:PHE:H	15	1.16
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB1	7	1.16
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB2	7	1.16
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB3	7	1.16
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB1	12	1.16
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB2	12	1.16
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB3	12	1.16
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB1	13	1.16
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB2	13	1.16
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB3	13	1.16
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB1	15	1.16
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB2	15	1.16
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB3	15	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:86:A:ARG:HA	1:89:A:ALA:H	13	1.16
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD3	9	1.16
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD2	9	1.16
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB1	4	1.16
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB2	4	1.16
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB3	4	1.16
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB1	14	1.16
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB2	14	1.16
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB3	14	1.16
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD21	11	1.16
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD22	11	1.16
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD23	11	1.16
(1,1403)	1:45:A:THR:HB	1:41:A:SER:HA	1	1.16
(1,1403)	1:45:A:THR:HB	1:41:A:SER:HA	3	1.16
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG21	7	1.16
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG22	7	1.16
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG23	7	1.16
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG21	14	1.16
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG22	14	1.16
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG23	14	1.16
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG21	2	1.16
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG22	2	1.16
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG23	2	1.16
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB1	4	1.16
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB2	4	1.16
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB3	4	1.16
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG11	1	1.16
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG12	1	1.16
(1,1316)	1:24:A:ARG:HG2	1:27:A:VAL:HG13	1	1.16
(1,904)	1:74:A:LEU:H	1:70:A:SER:HA	13	1.16
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD11	12	1.15
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD12	12	1.15
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD13	12	1.15
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD21	12	1.15
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD22	12	1.15
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD23	12	1.15
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG21	3	1.15
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG22	3	1.15
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG23	3	1.15
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG21	9	1.15
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG22	9	1.15
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG23	9	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD21	3	1.15
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD22	3	1.15
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD23	3	1.15
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD21	4	1.15
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD22	4	1.15
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD23	4	1.15
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD21	9	1.15
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD22	9	1.15
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD23	9	1.15
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD21	14	1.15
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD22	14	1.15
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD23	14	1.15
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	12	1.15
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	12	1.15
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	12	1.15
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	12	1.15
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	12	1.15
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	12	1.15
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	12	1.15
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	12	1.15
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	12	1.15
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	12	1.15
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	12	1.15
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	12	1.15
(1,2820)	1:56:A:LEU:HB3	1:51:A:THR:H	9	1.15
(1,2820)	1:56:A:LEU:HB3	1:51:A:THR:H	13	1.15
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG2	5	1.15
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG3	5	1.15
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG2	8	1.15
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG3	8	1.15
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG2	9	1.15
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG3	9	1.15
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	12	1.15
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	12	1.15
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	12	1.15
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	12	1.15
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	12	1.15
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	12	1.15
(1,2801)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	6	1.15
(1,2801)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	6	1.15
(1,2801)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	6	1.15
(1,2800)	1:49:A:GLU:HA	1:54:A:LEU:H	3	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2800)	1:49:A:GLU:HA	1:54:A:LEU:H	6	1.15
(1,2798)	1:49:A:GLU:HA	1:53:A:GLU:H	3	1.15
(1,2790)	1:48:A:ASN:HD22	1:44:A:THR:HG21	11	1.15
(1,2790)	1:48:A:ASN:HD22	1:44:A:THR:HG22	11	1.15
(1,2790)	1:48:A:ASN:HD22	1:44:A:THR:HG23	11	1.15
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD21	13	1.15
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD22	13	1.15
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD23	13	1.15
(1,2752)	1:20:A:LEU:HD11	1:24:A:ARG:H	2	1.15
(1,2752)	1:20:A:LEU:HD12	1:24:A:ARG:H	2	1.15
(1,2752)	1:20:A:LEU:HD13	1:24:A:ARG:H	2	1.15
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG21	3	1.15
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG22	3	1.15
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG23	3	1.15
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG21	9	1.15
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG22	9	1.15
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG23	9	1.15
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD21	3	1.15
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD22	3	1.15
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD23	3	1.15
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD21	4	1.15
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD22	4	1.15
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD23	4	1.15
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD21	9	1.15
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD22	9	1.15
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD23	9	1.15
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD21	14	1.15
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD22	14	1.15
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD23	14	1.15
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	12	1.15
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	12	1.15
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	12	1.15
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	12	1.15
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	12	1.15
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	12	1.15
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	12	1.15
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	12	1.15
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	12	1.15
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	12	1.15
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	12	1.15
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	12	1.15
(1,2696)	1:56:A:LEU:HB3	1:51:A:THR:H	9	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2696)	1:56:A:LEU:HB3	1:51:A:THR:H	13	1.15
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG2	5	1.15
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG3	5	1.15
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG2	8	1.15
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG3	8	1.15
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG2	9	1.15
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG3	9	1.15
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	12	1.15
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	12	1.15
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	12	1.15
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	12	1.15
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	12	1.15
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	12	1.15
(1,2677)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	6	1.15
(1,2677)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	6	1.15
(1,2677)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	6	1.15
(1,2676)	1:49:A:GLU:HA	1:54:A:LEU:H	3	1.15
(1,2676)	1:49:A:GLU:HA	1:54:A:LEU:H	6	1.15
(1,2674)	1:49:A:GLU:HA	1:53:A:GLU:H	3	1.15
(1,2666)	1:48:A:ASN:HD22	1:44:A:THR:HG21	11	1.15
(1,2666)	1:48:A:ASN:HD22	1:44:A:THR:HG22	11	1.15
(1,2666)	1:48:A:ASN:HD22	1:44:A:THR:HG23	11	1.15
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD21	13	1.15
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD22	13	1.15
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD23	13	1.15
(1,2628)	1:20:A:LEU:HD11	1:24:A:ARG:H	2	1.15
(1,2628)	1:20:A:LEU:HD12	1:24:A:ARG:H	2	1.15
(1,2628)	1:20:A:LEU:HD13	1:24:A:ARG:H	2	1.15
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG21	3	1.15
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG22	3	1.15
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG23	3	1.15
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG21	9	1.15
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG22	9	1.15
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG23	9	1.15
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD21	3	1.15
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD22	3	1.15
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD23	3	1.15
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD21	4	1.15
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD22	4	1.15
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD23	4	1.15
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD21	9	1.15
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD22	9	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD23	9	1.15
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD21	14	1.15
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD22	14	1.15
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD23	14	1.15
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	12	1.15
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	12	1.15
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	12	1.15
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	12	1.15
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	12	1.15
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	12	1.15
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	12	1.15
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	12	1.15
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	12	1.15
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	12	1.15
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	12	1.15
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	12	1.15
(1,2572)	1:56:A:LEU:HB3	1:51:A:THR:H	9	1.15
(1,2572)	1:56:A:LEU:HB3	1:51:A:THR:H	13	1.15
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG2	5	1.15
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG3	5	1.15
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG2	8	1.15
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG3	8	1.15
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG2	9	1.15
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG3	9	1.15
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	12	1.15
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	12	1.15
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	12	1.15
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	12	1.15
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	12	1.15
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	12	1.15
(1,2553)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	6	1.15
(1,2553)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	6	1.15
(1,2553)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	6	1.15
(1,2552)	1:49:A:GLU:HA	1:54:A:LEU:H	3	1.15
(1,2552)	1:49:A:GLU:HA	1:54:A:LEU:H	6	1.15
(1,2550)	1:49:A:GLU:HA	1:53:A:GLU:H	3	1.15
(1,2542)	1:48:A:ASN:HD22	1:44:A:THR:HG21	11	1.15
(1,2542)	1:48:A:ASN:HD22	1:44:A:THR:HG22	11	1.15
(1,2542)	1:48:A:ASN:HD22	1:44:A:THR:HG23	11	1.15
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD21	13	1.15
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD22	13	1.15
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD23	13	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2504)	1:20:A:LEU:HD11	1:24:A:ARG:H	2	1.15
(1,2504)	1:20:A:LEU:HD12	1:24:A:ARG:H	2	1.15
(1,2504)	1:20:A:LEU:HD13	1:24:A:ARG:H	2	1.15
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG21	3	1.15
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG22	3	1.15
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG23	3	1.15
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG21	9	1.15
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG22	9	1.15
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG23	9	1.15
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD21	3	1.15
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD22	3	1.15
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD23	3	1.15
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD21	4	1.15
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD22	4	1.15
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD23	4	1.15
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD21	9	1.15
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD22	9	1.15
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD23	9	1.15
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD21	14	1.15
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD22	14	1.15
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD23	14	1.15
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	12	1.15
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	12	1.15
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	12	1.15
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	12	1.15
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	12	1.15
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	12	1.15
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	12	1.15
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	12	1.15
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	12	1.15
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	12	1.15
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	12	1.15
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	12	1.15
(1,2448)	1:56:A:LEU:HB3	1:51:A:THR:H	9	1.15
(1,2448)	1:56:A:LEU:HB3	1:51:A:THR:H	13	1.15
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG2	5	1.15
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG3	5	1.15
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG2	8	1.15
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG3	8	1.15
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG2	9	1.15
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG3	9	1.15
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	12	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	12	1.15
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	12	1.15
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	12	1.15
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	12	1.15
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	12	1.15
(1,2429)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	6	1.15
(1,2429)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	6	1.15
(1,2429)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	6	1.15
(1,2428)	1:49:A:GLU:HA	1:54:A:LEU:H	3	1.15
(1,2428)	1:49:A:GLU:HA	1:54:A:LEU:H	6	1.15
(1,2426)	1:49:A:GLU:HA	1:53:A:GLU:H	3	1.15
(1,2418)	1:48:A:ASN:HD22	1:44:A:THR:HG21	11	1.15
(1,2418)	1:48:A:ASN:HD22	1:44:A:THR:HG22	11	1.15
(1,2418)	1:48:A:ASN:HD22	1:44:A:THR:HG23	11	1.15
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD21	13	1.15
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD22	13	1.15
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD23	13	1.15
(1,2380)	1:20:A:LEU:HD11	1:24:A:ARG:H	2	1.15
(1,2380)	1:20:A:LEU:HD12	1:24:A:ARG:H	2	1.15
(1,2380)	1:20:A:LEU:HD13	1:24:A:ARG:H	2	1.15
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG21	3	1.15
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG22	3	1.15
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG23	3	1.15
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG21	9	1.15
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG22	9	1.15
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG23	9	1.15
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD21	3	1.15
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD22	3	1.15
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD23	3	1.15
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD21	4	1.15
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD22	4	1.15
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD23	4	1.15
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD21	9	1.15
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD22	9	1.15
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD23	9	1.15
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD21	14	1.15
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD22	14	1.15
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD23	14	1.15
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	12	1.15
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	12	1.15
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	12	1.15
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	12	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	12	1.15
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	12	1.15
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	12	1.15
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	12	1.15
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	12	1.15
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	12	1.15
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	12	1.15
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	12	1.15
(1,2324)	1:56:A:LEU:HB3	1:51:A:THR:H	9	1.15
(1,2324)	1:56:A:LEU:HB3	1:51:A:THR:H	13	1.15
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG2	5	1.15
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG3	5	1.15
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG2	8	1.15
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG3	8	1.15
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG2	9	1.15
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG3	9	1.15
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	12	1.15
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	12	1.15
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	12	1.15
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	12	1.15
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	12	1.15
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	12	1.15
(1,2305)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	6	1.15
(1,2305)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	6	1.15
(1,2305)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	6	1.15
(1,2304)	1:49:A:GLU:HA	1:54:A:LEU:H	3	1.15
(1,2304)	1:49:A:GLU:HA	1:54:A:LEU:H	6	1.15
(1,2302)	1:49:A:GLU:HA	1:53:A:GLU:H	3	1.15
(1,2294)	1:48:A:ASN:HD22	1:44:A:THR:HG21	11	1.15
(1,2294)	1:48:A:ASN:HD22	1:44:A:THR:HG22	11	1.15
(1,2294)	1:48:A:ASN:HD22	1:44:A:THR:HG23	11	1.15
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD21	13	1.15
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD22	13	1.15
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD23	13	1.15
(1,2256)	1:20:A:LEU:HD11	1:24:A:ARG:H	2	1.15
(1,2256)	1:20:A:LEU:HD12	1:24:A:ARG:H	2	1.15
(1,2256)	1:20:A:LEU:HD13	1:24:A:ARG:H	2	1.15
(1,2241)	1:103:A:GLU:HB2	1:102:A:LEU:HG	5	1.15
(1,2241)	1:103:A:GLU:HB3	1:102:A:LEU:HG	5	1.15
(1,2225)	1:101:A:PRO:HD2	1:98:A:ALA:H	2	1.15
(1,2225)	1:101:A:PRO:HD3	1:98:A:ALA:H	2	1.15
(1,2218)	1:99:A:ASN:H	1:97:A:VAL:H	11	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD1	1	1.15
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD2	1	1.15
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB1	13	1.15
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB2	13	1.15
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB3	13	1.15
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB1	15	1.15
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB2	15	1.15
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB3	15	1.15
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB2	3	1.15
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB3	3	1.15
(1,2094)	1:84:A:GLU:H	1:81:A:SER:HA	12	1.15
(1,2078)	1:83:A:ASP:H	1:80:A:ALA:HA	12	1.15
(1,2072)	1:82:A:MET:HA	1:85:A:LEU:HB3	7	1.15
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD11	7	1.15
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD12	7	1.15
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD13	7	1.15
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD11	7	1.15
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD12	7	1.15
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD13	7	1.15
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD21	7	1.15
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD22	7	1.15
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD23	7	1.15
(1,2049)	1:79:A:LYS:HA	1:81:A:SER:H	1	1.15
(1,2004)	1:74:A:LEU:HB2	1:75:A:THR:H	13	1.15
(1,2004)	1:74:A:LEU:HB3	1:75:A:THR:H	13	1.15
(1,1948)	1:67:A:GLU:HG3	1:70:A:SER:HB2	1	1.15
(1,1919)	1:65:A:LYS:H	1:62:A:SER:HA	5	1.15
(1,1919)	1:65:A:LYS:H	1:62:A:SER:HA	7	1.15
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD1	11	1.15
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD2	11	1.15
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD1	11	1.15
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD2	11	1.15
(1,1887)	1:61:A:ASP:HA	1:64:A:LYS:H	3	1.15
(1,1882)	1:61:A:ASP:H	1:60:A:GLN:HB2	14	1.15
(1,1863)	1:55:A:LYS:HA	1:54:A:LEU:H	2	1.15
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB2	8	1.15
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB3	8	1.15
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB2	9	1.15
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB3	9	1.15
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB2	13	1.15
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB3	13	1.15
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB2	11	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB3	11	1.15
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB2	12	1.15
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB3	12	1.15
(1,1834)	1:48:A:ASN:HB3	1:49:A:GLU:H	13	1.15
(1,1834)	1:48:A:ASN:HB2	1:49:A:GLU:H	13	1.15
(1,1821)	1:46:A:VAL:HA	1:47:A:GLN:H	5	1.15
(1,1821)	1:46:A:VAL:HA	1:47:A:GLN:H	13	1.15
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG21	10	1.15
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG22	10	1.15
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG23	10	1.15
(1,1785)	1:42:A:LEU:H	1:39:A:LEU:HA	9	1.15
(1,1701)	1:22:A:PRO:HD2	1:21:A:GLY:H	3	1.15
(1,1701)	1:22:A:PRO:HD3	1:21:A:GLY:H	3	1.15
(1,1701)	1:22:A:PRO:HD2	1:21:A:GLY:H	4	1.15
(1,1701)	1:22:A:PRO:HD3	1:21:A:GLY:H	4	1.15
(1,1701)	1:22:A:PRO:HD2	1:21:A:GLY:H	7	1.15
(1,1701)	1:22:A:PRO:HD3	1:21:A:GLY:H	7	1.15
(1,1701)	1:22:A:PRO:HD2	1:21:A:GLY:H	8	1.15
(1,1701)	1:22:A:PRO:HD3	1:21:A:GLY:H	8	1.15
(1,1701)	1:22:A:PRO:HD2	1:21:A:GLY:H	9	1.15
(1,1701)	1:22:A:PRO:HD3	1:21:A:GLY:H	9	1.15
(1,1701)	1:22:A:PRO:HD2	1:21:A:GLY:H	10	1.15
(1,1701)	1:22:A:PRO:HD3	1:21:A:GLY:H	10	1.15
(1,1701)	1:22:A:PRO:HD2	1:21:A:GLY:H	11	1.15
(1,1701)	1:22:A:PRO:HD3	1:21:A:GLY:H	11	1.15
(1,1701)	1:22:A:PRO:HD2	1:21:A:GLY:H	14	1.15
(1,1701)	1:22:A:PRO:HD3	1:21:A:GLY:H	14	1.15
(1,1701)	1:22:A:PRO:HD2	1:21:A:GLY:H	15	1.15
(1,1701)	1:22:A:PRO:HD3	1:21:A:GLY:H	15	1.15
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD21	7	1.15
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD22	7	1.15
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD23	7	1.15
(1,1546)	1:2:A:PHE:HD1	1:1:A:MET:HA	10	1.15
(1,1546)	1:2:A:PHE:HD2	1:1:A:MET:HA	10	1.15
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB1	8	1.15
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB2	8	1.15
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB3	8	1.15
(1,1426)	1:50:A:LEU:H	1:51:A:THR:HA	15	1.15
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG11	14	1.15
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG12	14	1.15
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG13	14	1.15
(1,1396)	1:44:A:THR:H	1:42:A:LEU:HA	15	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG21	4	1.15
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG22	4	1.15
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG23	4	1.15
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG21	1	1.15
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG22	1	1.15
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG23	1	1.15
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB1	5	1.15
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB2	5	1.15
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB3	5	1.15
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG21	5	1.15
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG22	5	1.15
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG23	5	1.15
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG21	6	1.15
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG22	6	1.15
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG23	6	1.15
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG21	14	1.15
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG22	14	1.15
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG23	14	1.15
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG21	9	1.15
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG22	9	1.15
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG23	9	1.15
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG21	12	1.15
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG22	12	1.15
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG23	12	1.15
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB2	8	1.15
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB3	8	1.15
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB2	13	1.15
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB3	13	1.15
(1,904)	1:74:A:LEU:H	1:70:A:SER:HA	3	1.15
(1,904)	1:74:A:LEU:H	1:70:A:SER:HA	9	1.15
(1,904)	1:74:A:LEU:H	1:70:A:SER:HA	14	1.15
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD11	15	1.14
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD12	15	1.14
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD13	15	1.14
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG21	4	1.14
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG22	4	1.14
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG23	4	1.14
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG21	14	1.14
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG22	14	1.14
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG23	14	1.14
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG21	7	1.14
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG22	7	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG23	7	1.14
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG21	7	1.14
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG22	7	1.14
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG23	7	1.14
(1,2820)	1:56:A:LEU:HB3	1:51:A:THR:H	1	1.14
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG2	3	1.14
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG3	3	1.14
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG2	4	1.14
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG3	4	1.14
(1,2801)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	7	1.14
(1,2801)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	7	1.14
(1,2801)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	7	1.14
(1,2800)	1:49:A:GLU:HA	1:54:A:LEU:H	7	1.14
(1,2798)	1:49:A:GLU:HA	1:53:A:GLU:H	4	1.14
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG21	11	1.14
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG22	11	1.14
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG23	11	1.14
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG21	12	1.14
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG22	12	1.14
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG23	12	1.14
(1,2779)	1:45:A:THR:HA	1:50:A:LEU:H	15	1.14
(1,2758)	1:21:A:GLY:H	1:24:A:ARG:H	2	1.14
(1,2758)	1:21:A:GLY:H	1:24:A:ARG:H	12	1.14
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD11	15	1.14
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD12	15	1.14
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD13	15	1.14
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG21	4	1.14
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG22	4	1.14
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG23	4	1.14
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG21	14	1.14
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG22	14	1.14
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG23	14	1.14
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG21	7	1.14
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG22	7	1.14
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG23	7	1.14
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG21	7	1.14
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG22	7	1.14
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG23	7	1.14
(1,2696)	1:56:A:LEU:HB3	1:51:A:THR:H	1	1.14
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG2	3	1.14
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG3	3	1.14
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG2	4	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG3	4	1.14
(1,2677)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	7	1.14
(1,2677)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	7	1.14
(1,2677)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	7	1.14
(1,2676)	1:49:A:GLU:HA	1:54:A:LEU:H	7	1.14
(1,2674)	1:49:A:GLU:HA	1:53:A:GLU:H	4	1.14
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG21	11	1.14
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG22	11	1.14
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG23	11	1.14
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG21	12	1.14
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG22	12	1.14
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG23	12	1.14
(1,2655)	1:45:A:THR:HA	1:50:A:LEU:H	15	1.14
(1,2634)	1:21:A:GLY:H	1:24:A:ARG:H	2	1.14
(1,2634)	1:21:A:GLY:H	1:24:A:ARG:H	12	1.14
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD11	15	1.14
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD12	15	1.14
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD13	15	1.14
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG21	4	1.14
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG22	4	1.14
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG23	4	1.14
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG21	14	1.14
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG22	14	1.14
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG23	14	1.14
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG21	7	1.14
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG22	7	1.14
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG23	7	1.14
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG21	7	1.14
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG22	7	1.14
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG23	7	1.14
(1,2572)	1:56:A:LEU:HB3	1:51:A:THR:H	1	1.14
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG2	3	1.14
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG3	3	1.14
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG2	4	1.14
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG3	4	1.14
(1,2553)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	7	1.14
(1,2553)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	7	1.14
(1,2553)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	7	1.14
(1,2552)	1:49:A:GLU:HA	1:54:A:LEU:H	7	1.14
(1,2550)	1:49:A:GLU:HA	1:53:A:GLU:H	4	1.14
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG21	11	1.14
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG22	11	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG23	11	1.14
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG21	12	1.14
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG22	12	1.14
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG23	12	1.14
(1,2531)	1:45:A:THR:HA	1:50:A:LEU:H	15	1.14
(1,2510)	1:21:A:GLY:H	1:24:A:ARG:H	2	1.14
(1,2510)	1:21:A:GLY:H	1:24:A:ARG:H	12	1.14
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD11	15	1.14
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD12	15	1.14
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD13	15	1.14
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG21	4	1.14
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG22	4	1.14
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG23	4	1.14
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG21	14	1.14
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG22	14	1.14
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG23	14	1.14
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG21	7	1.14
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG22	7	1.14
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG23	7	1.14
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG21	7	1.14
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG22	7	1.14
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG23	7	1.14
(1,2448)	1:56:A:LEU:HB3	1:51:A:THR:H	1	1.14
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG2	3	1.14
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG3	3	1.14
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG2	4	1.14
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG3	4	1.14
(1,2429)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	7	1.14
(1,2429)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	7	1.14
(1,2429)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	7	1.14
(1,2428)	1:49:A:GLU:HA	1:54:A:LEU:H	7	1.14
(1,2426)	1:49:A:GLU:HA	1:53:A:GLU:H	4	1.14
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG21	11	1.14
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG22	11	1.14
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG23	11	1.14
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG21	12	1.14
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG22	12	1.14
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG23	12	1.14
(1,2407)	1:45:A:THR:HA	1:50:A:LEU:H	15	1.14
(1,2386)	1:21:A:GLY:H	1:24:A:ARG:H	2	1.14
(1,2386)	1:21:A:GLY:H	1:24:A:ARG:H	12	1.14
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD11	15	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD12	15	1.14
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD13	15	1.14
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG21	4	1.14
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG22	4	1.14
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG23	4	1.14
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG21	14	1.14
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG22	14	1.14
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG23	14	1.14
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG21	7	1.14
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG22	7	1.14
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG23	7	1.14
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG21	7	1.14
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG22	7	1.14
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG23	7	1.14
(1,2324)	1:56:A:LEU:HB3	1:51:A:THR:H	1	1.14
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG2	3	1.14
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG3	3	1.14
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG2	4	1.14
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG3	4	1.14
(1,2305)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	7	1.14
(1,2305)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	7	1.14
(1,2305)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	7	1.14
(1,2304)	1:49:A:GLU:HA	1:54:A:LEU:H	7	1.14
(1,2302)	1:49:A:GLU:HA	1:53:A:GLU:H	4	1.14
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG21	11	1.14
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG22	11	1.14
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG23	11	1.14
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG21	12	1.14
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG22	12	1.14
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG23	12	1.14
(1,2283)	1:45:A:THR:HA	1:50:A:LEU:H	15	1.14
(1,2262)	1:21:A:GLY:H	1:24:A:ARG:H	2	1.14
(1,2262)	1:21:A:GLY:H	1:24:A:ARG:H	12	1.14
(1,2213)	1:98:A:ALA:H	1:97:A:VAL:HB	14	1.14
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB2	8	1.14
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB3	8	1.14
(1,2164)	1:93:A:LYS:HG3	1:97:A:VAL:HB	12	1.14
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB1	11	1.14
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB2	11	1.14
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB3	11	1.14
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB1	11	1.14
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB2	11	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB3	11	1.14
(1,2106)	1:84:A:GLU:HA	1:87:A:GLN:HE21	11	1.14
(1,2094)	1:84:A:GLU:H	1:81:A:SER:HA	3	1.14
(1,2094)	1:84:A:GLU:H	1:81:A:SER:HA	5	1.14
(1,2094)	1:84:A:GLU:H	1:81:A:SER:HA	10	1.14
(1,2094)	1:84:A:GLU:H	1:81:A:SER:HA	11	1.14
(1,2078)	1:83:A:ASP:H	1:80:A:ALA:HA	1	1.14
(1,2078)	1:83:A:ASP:H	1:80:A:ALA:HA	10	1.14
(1,2078)	1:83:A:ASP:H	1:80:A:ALA:HA	14	1.14
(1,2078)	1:83:A:ASP:H	1:80:A:ALA:HA	15	1.14
(1,2071)	1:82:A:MET:H	1:83:A:ASP:HB2	8	1.14
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD2	3	1.14
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD3	3	1.14
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB1	11	1.14
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB2	11	1.14
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB3	11	1.14
(1,2026)	1:77:A:GLU:HG2	1:78:A:LEU:H	15	1.14
(1,1957)	1:68:A:LYS:HA	1:71:A:LEU:H	6	1.14
(1,1957)	1:68:A:LYS:HA	1:71:A:LEU:H	8	1.14
(1,1947)	1:67:A:GLU:HG2	1:68:A:LYS:H	3	1.14
(1,1947)	1:67:A:GLU:HG3	1:68:A:LYS:H	3	1.14
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD11	5	1.14
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD12	5	1.14
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD13	5	1.14
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD21	5	1.14
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD22	5	1.14
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD23	5	1.14
(1,1908)	1:64:A:LYS:H	1:61:A:ASP:H	12	1.14
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD1	7	1.14
(1,1872)	1:60:A:GLN:H	1:59:A:PHE:HD2	7	1.14
(1,1866)	1:56:A:LEU:HB2	1:60:A:GLN:HE21	1	1.14
(1,1866)	1:56:A:LEU:HB2	1:60:A:GLN:HE21	9	1.14
(1,1864)	1:55:A:LYS:H	1:54:A:LEU:HB2	14	1.14
(1,1863)	1:55:A:LYS:HA	1:54:A:LEU:H	10	1.14
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB2	1	1.14
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB3	1	1.14
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG21	7	1.14
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG22	7	1.14
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG23	7	1.14
(1,1792)	1:43:A:ALA:H	1:40:A:ARG:HA	4	1.14
(1,1792)	1:43:A:ALA:H	1:40:A:ARG:HA	6	1.14
(1,1771)	1:38:A:ALA:H	1:36:A:ILE:HA	11	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB2	11	1.14
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB3	11	1.14
(1,1564)	1:3:A:ASP:HB2	1:4:A:ILE:HA	15	1.14
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE1	10	1.14
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE2	10	1.14
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE3	10	1.14
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE1	10	1.14
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE2	10	1.14
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE3	10	1.14
(1,1546)	1:2:A:PHE:HD1	1:1:A:MET:HA	12	1.14
(1,1546)	1:2:A:PHE:HD2	1:1:A:MET:HA	12	1.14
(1,1540)	1:103:A:GLU:H	1:101:A:PRO:HA	8	1.14
(1,1528)	1:96:A:TYR:H	1:94:A:ARG:HA	7	1.14
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB1	6	1.14
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB2	6	1.14
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB3	6	1.14
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB1	9	1.14
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB2	9	1.14
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB3	9	1.14
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB1	15	1.14
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB2	15	1.14
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB3	15	1.14
(1,1477)	1:75:A:THR:H	1:74:A:LEU:HG	1	1.14
(1,1477)	1:75:A:THR:H	1:74:A:LEU:HG	12	1.14
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB1	10	1.14
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB2	10	1.14
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB3	10	1.14
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB1	3	1.14
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB2	3	1.14
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB3	3	1.14
(1,1403)	1:45:A:THR:HB	1:41:A:SER:HA	12	1.14
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG2	2	1.14
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG3	2	1.14
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB1	8	1.14
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB2	8	1.14
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB3	8	1.14
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB1	13	1.14
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB2	13	1.14
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB3	13	1.14
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB1	14	1.14
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB2	14	1.14
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB3	14	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB1	15	1.14
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB2	15	1.14
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB3	15	1.14
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG21	1	1.14
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG22	1	1.14
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG23	1	1.14
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG21	3	1.14
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG22	3	1.14
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG23	3	1.14
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG21	4	1.14
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG22	4	1.14
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG23	4	1.14
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG21	10	1.14
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG22	10	1.14
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG23	10	1.14
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG21	15	1.14
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG22	15	1.14
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG23	15	1.14
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB2	1	1.14
(1,1253)	1:10:A:LEU:H	1:7:A:SER:HB3	1	1.14
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG21	3	1.14
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG22	3	1.14
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG23	3	1.14
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG21	3	1.14
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG22	3	1.14
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG23	3	1.14
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG21	3	1.14
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG22	3	1.14
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG23	3	1.14
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG21	9	1.14
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG22	9	1.14
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG23	9	1.14
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG21	9	1.14
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG22	9	1.14
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG23	9	1.14
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG21	9	1.14
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG22	9	1.14
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG23	9	1.14
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	10	1.13
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	10	1.13
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	10	1.13
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	10	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	10	1.13
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	10	1.13
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	10	1.13
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	10	1.13
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	10	1.13
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	10	1.13
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	10	1.13
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	10	1.13
(1,2830)	1:57:A:GLN:HE21	1:55:A:LYS:HA	1	1.13
(1,2830)	1:57:A:GLN:HE21	1:55:A:LYS:HA	8	1.13
(1,2830)	1:57:A:GLN:HE21	1:55:A:LYS:HA	9	1.13
(1,2830)	1:57:A:GLN:HE21	1:55:A:LYS:HA	13	1.13
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	15	1.13
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	15	1.13
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	15	1.13
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	15	1.13
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	15	1.13
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	15	1.13
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	11	1.13
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	11	1.13
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	11	1.13
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	11	1.13
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	11	1.13
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	11	1.13
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	7	1.13
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	7	1.13
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	7	1.13
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	7	1.13
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG2	10	1.13
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG3	10	1.13
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG21	2	1.13
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG22	2	1.13
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG23	2	1.13
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG21	5	1.13
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG22	5	1.13
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG23	5	1.13
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD21	4	1.13
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD22	4	1.13
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD23	4	1.13
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD21	5	1.13
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD22	5	1.13
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD23	5	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD21	6	1.13
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD22	6	1.13
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD23	6	1.13
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD21	7	1.13
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD22	7	1.13
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD23	7	1.13
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD21	10	1.13
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD22	10	1.13
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD23	10	1.13
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD21	14	1.13
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD22	14	1.13
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD23	14	1.13
(1,2752)	1:20:A:LEU:HD11	1:24:A:ARG:H	12	1.13
(1,2752)	1:20:A:LEU:HD12	1:24:A:ARG:H	12	1.13
(1,2752)	1:20:A:LEU:HD13	1:24:A:ARG:H	12	1.13
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	10	1.13
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	10	1.13
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	10	1.13
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	10	1.13
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	10	1.13
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	10	1.13
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	10	1.13
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	10	1.13
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	10	1.13
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	10	1.13
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	10	1.13
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	10	1.13
(1,2706)	1:57:A:GLN:HE21	1:55:A:LYS:HA	1	1.13
(1,2706)	1:57:A:GLN:HE21	1:55:A:LYS:HA	8	1.13
(1,2706)	1:57:A:GLN:HE21	1:55:A:LYS:HA	9	1.13
(1,2706)	1:57:A:GLN:HE21	1:55:A:LYS:HA	13	1.13
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	15	1.13
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	15	1.13
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	15	1.13
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	15	1.13
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	15	1.13
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	15	1.13
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	11	1.13
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	11	1.13
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	11	1.13
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	11	1.13
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	11	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	11	1.13
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	7	1.13
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	7	1.13
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	7	1.13
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	7	1.13
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG2	10	1.13
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG3	10	1.13
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG21	2	1.13
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG22	2	1.13
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG23	2	1.13
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG21	5	1.13
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG22	5	1.13
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG23	5	1.13
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD21	4	1.13
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD22	4	1.13
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD23	4	1.13
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD21	5	1.13
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD22	5	1.13
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD23	5	1.13
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD21	6	1.13
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD22	6	1.13
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD23	6	1.13
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD21	7	1.13
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD22	7	1.13
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD23	7	1.13
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD21	10	1.13
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD22	10	1.13
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD23	10	1.13
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD21	14	1.13
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD22	14	1.13
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD23	14	1.13
(1,2628)	1:20:A:LEU:HD11	1:24:A:ARG:H	12	1.13
(1,2628)	1:20:A:LEU:HD12	1:24:A:ARG:H	12	1.13
(1,2628)	1:20:A:LEU:HD13	1:24:A:ARG:H	12	1.13
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	10	1.13
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	10	1.13
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	10	1.13
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	10	1.13
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	10	1.13
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	10	1.13
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	10	1.13
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	10	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	10	1.13
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	10	1.13
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	10	1.13
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	10	1.13
(1,2582)	1:57:A:GLN:HE21	1:55:A:LYS:HA	1	1.13
(1,2582)	1:57:A:GLN:HE21	1:55:A:LYS:HA	8	1.13
(1,2582)	1:57:A:GLN:HE21	1:55:A:LYS:HA	9	1.13
(1,2582)	1:57:A:GLN:HE21	1:55:A:LYS:HA	13	1.13
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	15	1.13
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	15	1.13
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	15	1.13
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	15	1.13
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	15	1.13
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	15	1.13
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	11	1.13
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	11	1.13
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	11	1.13
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	11	1.13
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	11	1.13
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	11	1.13
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	7	1.13
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	7	1.13
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	7	1.13
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	7	1.13
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG2	10	1.13
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG3	10	1.13
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG21	2	1.13
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG22	2	1.13
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG23	2	1.13
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG21	5	1.13
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG22	5	1.13
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG23	5	1.13
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD21	4	1.13
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD22	4	1.13
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD23	4	1.13
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD21	5	1.13
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD22	5	1.13
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD23	5	1.13
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD21	6	1.13
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD22	6	1.13
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD23	6	1.13
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD21	7	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD22	7	1.13
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD23	7	1.13
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD21	10	1.13
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD22	10	1.13
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD23	10	1.13
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD21	14	1.13
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD22	14	1.13
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD23	14	1.13
(1,2504)	1:20:A:LEU:HD11	1:24:A:ARG:H	12	1.13
(1,2504)	1:20:A:LEU:HD12	1:24:A:ARG:H	12	1.13
(1,2504)	1:20:A:LEU:HD13	1:24:A:ARG:H	12	1.13
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	10	1.13
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	10	1.13
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	10	1.13
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	10	1.13
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	10	1.13
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	10	1.13
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	10	1.13
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	10	1.13
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	10	1.13
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	10	1.13
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	10	1.13
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	10	1.13
(1,2458)	1:57:A:GLN:HE21	1:55:A:LYS:HA	1	1.13
(1,2458)	1:57:A:GLN:HE21	1:55:A:LYS:HA	8	1.13
(1,2458)	1:57:A:GLN:HE21	1:55:A:LYS:HA	9	1.13
(1,2458)	1:57:A:GLN:HE21	1:55:A:LYS:HA	13	1.13
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	15	1.13
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	15	1.13
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	15	1.13
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	15	1.13
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	15	1.13
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	15	1.13
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	11	1.13
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	11	1.13
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	11	1.13
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	11	1.13
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	11	1.13
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	11	1.13
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	7	1.13
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	7	1.13
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	7	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	7	1.13
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG2	10	1.13
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG3	10	1.13
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG21	2	1.13
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG22	2	1.13
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG23	2	1.13
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG21	5	1.13
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG22	5	1.13
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG23	5	1.13
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD21	4	1.13
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD22	4	1.13
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD23	4	1.13
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD21	5	1.13
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD22	5	1.13
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD23	5	1.13
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD21	6	1.13
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD22	6	1.13
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD23	6	1.13
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD21	7	1.13
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD22	7	1.13
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD23	7	1.13
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD21	10	1.13
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD22	10	1.13
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD23	10	1.13
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD21	14	1.13
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD22	14	1.13
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD23	14	1.13
(1,2380)	1:20:A:LEU:HD11	1:24:A:ARG:H	12	1.13
(1,2380)	1:20:A:LEU:HD12	1:24:A:ARG:H	12	1.13
(1,2380)	1:20:A:LEU:HD13	1:24:A:ARG:H	12	1.13
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	10	1.13
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	10	1.13
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	10	1.13
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	10	1.13
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	10	1.13
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	10	1.13
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	10	1.13
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	10	1.13
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	10	1.13
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	10	1.13
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	10	1.13
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	10	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2334)	1:57:A:GLN:HE21	1:55:A:LYS:HA	1	1.13
(1,2334)	1:57:A:GLN:HE21	1:55:A:LYS:HA	8	1.13
(1,2334)	1:57:A:GLN:HE21	1:55:A:LYS:HA	9	1.13
(1,2334)	1:57:A:GLN:HE21	1:55:A:LYS:HA	13	1.13
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	15	1.13
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	15	1.13
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	15	1.13
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	15	1.13
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	15	1.13
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	15	1.13
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	11	1.13
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	11	1.13
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	11	1.13
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	11	1.13
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	11	1.13
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	11	1.13
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	7	1.13
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	7	1.13
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	7	1.13
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	7	1.13
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG2	10	1.13
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG3	10	1.13
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG21	2	1.13
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG22	2	1.13
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG23	2	1.13
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG21	5	1.13
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG22	5	1.13
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG23	5	1.13
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD21	4	1.13
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD22	4	1.13
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD23	4	1.13
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD21	5	1.13
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD22	5	1.13
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD23	5	1.13
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD21	6	1.13
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD22	6	1.13
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD23	6	1.13
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD21	7	1.13
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD22	7	1.13
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD23	7	1.13
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD21	10	1.13
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD22	10	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD23	10	1.13
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD21	14	1.13
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD22	14	1.13
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD23	14	1.13
(1,2256)	1:20:A:LEU:HD11	1:24:A:ARG:H	12	1.13
(1,2256)	1:20:A:LEU:HD12	1:24:A:ARG:H	12	1.13
(1,2256)	1:20:A:LEU:HD13	1:24:A:ARG:H	12	1.13
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE2	6	1.13
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE3	6	1.13
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE1	4	1.13
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE2	4	1.13
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE3	4	1.13
(1,2094)	1:84:A:GLU:H	1:81:A:SER:HA	1	1.13
(1,2094)	1:84:A:GLU:H	1:81:A:SER:HA	2	1.13
(1,2094)	1:84:A:GLU:H	1:81:A:SER:HA	4	1.13
(1,2094)	1:84:A:GLU:H	1:81:A:SER:HA	8	1.13
(1,2094)	1:84:A:GLU:H	1:81:A:SER:HA	9	1.13
(1,2094)	1:84:A:GLU:H	1:81:A:SER:HA	13	1.13
(1,2094)	1:84:A:GLU:H	1:81:A:SER:HA	15	1.13
(1,2078)	1:83:A:ASP:H	1:80:A:ALA:HA	5	1.13
(1,2067)	1:82:A:MET:HB3	1:79:A:LYS:HA	14	1.13
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD2	1	1.13
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD3	1	1.13
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD2	4	1.13
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD3	4	1.13
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD2	5	1.13
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD3	5	1.13
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD2	9	1.13
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD3	9	1.13
(1,2049)	1:79:A:LYS:HA	1:81:A:SER:H	5	1.13
(1,2045)	1:79:A:LYS:H	1:78:A:LEU:HG	6	1.13
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB1	10	1.13
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB2	10	1.13
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB3	10	1.13
(1,1986)	1:73:A:ASN:H	1:72:A:THR:HB	15	1.13
(1,1947)	1:67:A:GLU:HG2	1:68:A:LYS:H	4	1.13
(1,1947)	1:67:A:GLU:HG3	1:68:A:LYS:H	4	1.13
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG21	2	1.13
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG22	2	1.13
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG23	2	1.13
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG21	14	1.13
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG22	14	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG23	14	1.13
(1,1919)	1:65:A:LYS:H	1:62:A:SER:HA	10	1.13
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD21	5	1.13
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD22	5	1.13
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD23	5	1.13
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD11	5	1.13
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD12	5	1.13
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD13	5	1.13
(1,1908)	1:64:A:LYS:H	1:61:A:ASP:H	9	1.13
(1,1889)	1:62:A:SER:H	1:60:A:GLN:HA	12	1.13
(1,1887)	1:61:A:ASP:HA	1:64:A:LYS:H	4	1.13
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB2	15	1.13
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB3	15	1.13
(1,1838)	1:50:A:LEU:HA	1:51:A:THR:H	12	1.13
(1,1834)	1:48:A:ASN:HB3	1:49:A:GLU:H	1	1.13
(1,1834)	1:48:A:ASN:HB2	1:49:A:GLU:H	1	1.13
(1,1834)	1:48:A:ASN:HB3	1:49:A:GLU:H	12	1.13
(1,1834)	1:48:A:ASN:HB2	1:49:A:GLU:H	12	1.13
(1,1824)	1:46:A:VAL:H	1:48:A:ASN:H	10	1.13
(1,1816)	1:45:A:THR:H	1:48:A:ASN:H	1	1.13
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG11	14	1.13
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG12	14	1.13
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG13	14	1.13
(1,1800)	1:44:A:THR:H	1:40:A:ARG:HA	3	1.13
(1,1800)	1:44:A:THR:H	1:40:A:ARG:HA	8	1.13
(1,1800)	1:44:A:THR:H	1:40:A:ARG:HA	9	1.13
(1,1800)	1:44:A:THR:H	1:40:A:ARG:HA	11	1.13
(1,1771)	1:38:A:ALA:H	1:36:A:ILE:HA	4	1.13
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG21	9	1.13
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG22	9	1.13
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG23	9	1.13
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD21	3	1.13
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD22	3	1.13
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD23	3	1.13
(1,1632)	1:12:A:VAL:HA	1:15:A:ILE:H	13	1.13
(1,1625)	1:10:A:LEU:HA	1:13:A:PHE:H	12	1.13
(1,1598)	1:6:A:PHE:HD1	1:9:A:LEU:HB3	3	1.13
(1,1598)	1:6:A:PHE:HD2	1:9:A:LEU:HB3	3	1.13
(1,1575)	1:4:A:ILE:HG13	1:3:A:ASP:HA	2	1.13
(1,1575)	1:4:A:ILE:HG12	1:3:A:ASP:HA	2	1.13
(1,1575)	1:4:A:ILE:HG13	1:3:A:ASP:HA	4	1.13
(1,1575)	1:4:A:ILE:HG12	1:3:A:ASP:HA	4	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1575)	1:4:A:ILE:HG13	1:3:A:ASP:HA	8	1.13
(1,1575)	1:4:A:ILE:HG12	1:3:A:ASP:HA	8	1.13
(1,1575)	1:4:A:ILE:HG13	1:3:A:ASP:HA	12	1.13
(1,1575)	1:4:A:ILE:HG12	1:3:A:ASP:HA	12	1.13
(1,1570)	1:3:A:ASP:HA	1:5:A:GLY:H	7	1.13
(1,1560)	1:2:A:PHE:H	1:4:A:ILE:HG13	2	1.13
(1,1560)	1:2:A:PHE:H	1:4:A:ILE:HG13	4	1.13
(1,1546)	1:2:A:PHE:HD1	1:1:A:MET:HA	2	1.13
(1,1546)	1:2:A:PHE:HD2	1:1:A:MET:HA	2	1.13
(1,1546)	1:2:A:PHE:HD1	1:1:A:MET:HA	6	1.13
(1,1546)	1:2:A:PHE:HD2	1:1:A:MET:HA	6	1.13
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD1	12	1.13
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD2	12	1.13
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB1	1	1.13
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB2	1	1.13
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB3	1	1.13
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB1	2	1.13
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB2	2	1.13
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB3	2	1.13
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB1	4	1.13
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB2	4	1.13
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB3	4	1.13
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB1	7	1.13
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB2	7	1.13
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB3	7	1.13
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB1	12	1.13
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB2	12	1.13
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB3	12	1.13
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD3	13	1.13
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD2	13	1.13
(1,1477)	1:75:A:THR:H	1:74:A:LEU:HG	2	1.13
(1,1477)	1:75:A:THR:H	1:74:A:LEU:HG	10	1.13
(1,1477)	1:75:A:THR:H	1:74:A:LEU:HG	11	1.13
(1,1470)	1:73:A:ASN:HB2	1:72:A:THR:H	1	1.13
(1,1470)	1:73:A:ASN:HB3	1:72:A:THR:H	1	1.13
(1,1470)	1:73:A:ASN:HB2	1:72:A:THR:H	12	1.13
(1,1470)	1:73:A:ASN:HB3	1:72:A:THR:H	12	1.13
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG21	6	1.13
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG22	6	1.13
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG23	6	1.13
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG21	14	1.13
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG22	14	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG23	14	1.13
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB1	12	1.13
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB2	12	1.13
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB3	12	1.13
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG11	13	1.13
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG12	13	1.13
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG13	13	1.13
(1,1325)	1:27:A:VAL:HB	1:24:A:ARG:HG2	12	1.13
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG21	7	1.13
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG22	7	1.13
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG23	7	1.13
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG21	8	1.13
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG22	8	1.13
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG23	8	1.13
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG21	4	1.13
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG22	4	1.13
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG23	4	1.13
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG21	5	1.13
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG22	5	1.13
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG23	5	1.13
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG21	6	1.13
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG22	6	1.13
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG23	6	1.13
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG21	10	1.13
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG22	10	1.13
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG23	10	1.13
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG21	2	1.13
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG22	2	1.13
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG23	2	1.13
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG21	9	1.13
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG22	9	1.13
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG23	9	1.13
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG21	9	1.13
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG22	9	1.13
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG23	9	1.13
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG11	9	1.13
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG12	9	1.13
(1,1272)	1:13:A:PHE:HD1	1:12:A:VAL:HG13	9	1.13
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG11	9	1.13
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG12	9	1.13
(1,1272)	1:13:A:PHE:HD2	1:12:A:VAL:HG13	9	1.13
(1,904)	1:74:A:LEU:H	1:70:A:SER:HA	4	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD11	13	1.12
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD12	13	1.12
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD13	13	1.12
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG21	15	1.12
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG22	15	1.12
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG23	15	1.12
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG21	15	1.12
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG22	15	1.12
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG23	15	1.12
(1,2819)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	3	1.12
(1,2819)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	3	1.12
(1,2819)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	13	1.12
(1,2819)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	13	1.12
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD21	14	1.12
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD22	14	1.12
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD23	14	1.12
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB2	10	1.12
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB3	10	1.12
(1,2798)	1:49:A:GLU:HA	1:53:A:GLU:H	5	1.12
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG21	3	1.12
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG22	3	1.12
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG23	3	1.12
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG21	4	1.12
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG22	4	1.12
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG23	4	1.12
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG21	8	1.12
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG22	8	1.12
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG23	8	1.12
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG21	9	1.12
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG22	9	1.12
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG23	9	1.12
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG21	14	1.12
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG22	14	1.12
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG23	14	1.12
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD21	3	1.12
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD22	3	1.12
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD23	3	1.12
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD21	4	1.12
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD22	4	1.12
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD23	4	1.12
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD21	1	1.12
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD22	1	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD23	1	1.12
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD21	3	1.12
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD22	3	1.12
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD23	3	1.12
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD21	8	1.12
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD22	8	1.12
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD23	8	1.12
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD21	9	1.12
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD22	9	1.12
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD23	9	1.12
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD21	15	1.12
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD22	15	1.12
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD23	15	1.12
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD11	13	1.12
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD12	13	1.12
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD13	13	1.12
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG21	15	1.12
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG22	15	1.12
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG23	15	1.12
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG21	15	1.12
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG22	15	1.12
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG23	15	1.12
(1,2695)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	3	1.12
(1,2695)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	3	1.12
(1,2695)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	13	1.12
(1,2695)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	13	1.12
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD21	14	1.12
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD22	14	1.12
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD23	14	1.12
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB2	10	1.12
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB3	10	1.12
(1,2674)	1:49:A:GLU:HA	1:53:A:GLU:H	5	1.12
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG21	3	1.12
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG22	3	1.12
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG23	3	1.12
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG21	4	1.12
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG22	4	1.12
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG23	4	1.12
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG21	8	1.12
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG22	8	1.12
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG23	8	1.12
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG21	9	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG22	9	1.12
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG23	9	1.12
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG21	14	1.12
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG22	14	1.12
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG23	14	1.12
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD21	3	1.12
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD22	3	1.12
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD23	3	1.12
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD21	4	1.12
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD22	4	1.12
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD23	4	1.12
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD21	1	1.12
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD22	1	1.12
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD23	1	1.12
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD21	3	1.12
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD22	3	1.12
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD23	3	1.12
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD21	8	1.12
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD22	8	1.12
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD23	8	1.12
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD21	9	1.12
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD22	9	1.12
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD23	9	1.12
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD21	15	1.12
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD22	15	1.12
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD23	15	1.12
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD11	13	1.12
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD12	13	1.12
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD13	13	1.12
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG21	15	1.12
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG22	15	1.12
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG23	15	1.12
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG21	15	1.12
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG22	15	1.12
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG23	15	1.12
(1,2571)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	3	1.12
(1,2571)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	3	1.12
(1,2571)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	13	1.12
(1,2571)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	13	1.12
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD21	14	1.12
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD22	14	1.12
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD23	14	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB2	10	1.12
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB3	10	1.12
(1,2550)	1:49:A:GLU:HA	1:53:A:GLU:H	5	1.12
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG21	3	1.12
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG22	3	1.12
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG23	3	1.12
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG21	4	1.12
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG22	4	1.12
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG23	4	1.12
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG21	8	1.12
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG22	8	1.12
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG23	8	1.12
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG21	9	1.12
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG22	9	1.12
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG23	9	1.12
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG21	14	1.12
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG22	14	1.12
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG23	14	1.12
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD21	3	1.12
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD22	3	1.12
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD23	3	1.12
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD21	4	1.12
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD22	4	1.12
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD23	4	1.12
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD21	1	1.12
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD22	1	1.12
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD23	1	1.12
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD21	3	1.12
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD22	3	1.12
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD23	3	1.12
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD21	8	1.12
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD22	8	1.12
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD23	8	1.12
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD21	9	1.12
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD22	9	1.12
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD23	9	1.12
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD21	15	1.12
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD22	15	1.12
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD23	15	1.12
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD11	13	1.12
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD12	13	1.12
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD13	13	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG21	15	1.12
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG22	15	1.12
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG23	15	1.12
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG21	15	1.12
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG22	15	1.12
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG23	15	1.12
(1,2447)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	3	1.12
(1,2447)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	3	1.12
(1,2447)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	13	1.12
(1,2447)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	13	1.12
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD21	14	1.12
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD22	14	1.12
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD23	14	1.12
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB2	10	1.12
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB3	10	1.12
(1,2426)	1:49:A:GLU:HA	1:53:A:GLU:H	5	1.12
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG21	3	1.12
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG22	3	1.12
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG23	3	1.12
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG21	4	1.12
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG22	4	1.12
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG23	4	1.12
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG21	8	1.12
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG22	8	1.12
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG23	8	1.12
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG21	9	1.12
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG22	9	1.12
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG23	9	1.12
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG21	14	1.12
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG22	14	1.12
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG23	14	1.12
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD21	3	1.12
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD22	3	1.12
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD23	3	1.12
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD21	4	1.12
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD22	4	1.12
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD23	4	1.12
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD21	1	1.12
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD22	1	1.12
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD23	1	1.12
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD21	3	1.12
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD22	3	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD23	3	1.12
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD21	8	1.12
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD22	8	1.12
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD23	8	1.12
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD21	9	1.12
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD22	9	1.12
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD23	9	1.12
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD21	15	1.12
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD22	15	1.12
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD23	15	1.12
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD11	13	1.12
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD12	13	1.12
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD13	13	1.12
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG21	15	1.12
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG22	15	1.12
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG23	15	1.12
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG21	15	1.12
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG22	15	1.12
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG23	15	1.12
(1,2323)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	3	1.12
(1,2323)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	3	1.12
(1,2323)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	13	1.12
(1,2323)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	13	1.12
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD21	14	1.12
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD22	14	1.12
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD23	14	1.12
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB2	10	1.12
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB3	10	1.12
(1,2302)	1:49:A:GLU:HA	1:53:A:GLU:H	5	1.12
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG21	3	1.12
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG22	3	1.12
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG23	3	1.12
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG21	4	1.12
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG22	4	1.12
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG23	4	1.12
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG21	8	1.12
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG22	8	1.12
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG23	8	1.12
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG21	9	1.12
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG22	9	1.12
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG23	9	1.12
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG21	14	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG22	14	1.12
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG23	14	1.12
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD21	3	1.12
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD22	3	1.12
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD23	3	1.12
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD21	4	1.12
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD22	4	1.12
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD23	4	1.12
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD21	1	1.12
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD22	1	1.12
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD23	1	1.12
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD21	3	1.12
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD22	3	1.12
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD23	3	1.12
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD21	8	1.12
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD22	8	1.12
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD23	8	1.12
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD21	9	1.12
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD22	9	1.12
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD23	9	1.12
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD21	15	1.12
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD22	15	1.12
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD23	15	1.12
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB1	12	1.12
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB2	12	1.12
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB3	12	1.12
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB1	1	1.12
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB2	1	1.12
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB3	1	1.12
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB1	1	1.12
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB2	1	1.12
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB3	1	1.12
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB1	1	1.12
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB2	1	1.12
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB3	1	1.12
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE1	2	1.12
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE2	2	1.12
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE1	5	1.12
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE2	5	1.12
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE1	6	1.12
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE2	6	1.12
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE1	8	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE2	8	1.12
(1,2116)	1:86:A:ARG:HB3	1:83:A:ASP:HA	7	1.12
(1,2094)	1:84:A:GLU:H	1:81:A:SER:HA	6	1.12
(1,2093)	1:84:A:GLU:HB2	1:81:A:SER:HB3	9	1.12
(1,2093)	1:84:A:GLU:HB2	1:81:A:SER:HB3	10	1.12
(1,2078)	1:83:A:ASP:H	1:80:A:ALA:HA	3	1.12
(1,2078)	1:83:A:ASP:H	1:80:A:ALA:HA	4	1.12
(1,2078)	1:83:A:ASP:H	1:80:A:ALA:HA	11	1.12
(1,2071)	1:82:A:MET:H	1:83:A:ASP:HB2	1	1.12
(1,2071)	1:82:A:MET:H	1:83:A:ASP:HB2	5	1.12
(1,2071)	1:82:A:MET:H	1:83:A:ASP:HB2	7	1.12
(1,2071)	1:82:A:MET:H	1:83:A:ASP:HB2	14	1.12
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD2	11	1.12
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD3	11	1.12
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD2	14	1.12
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD3	14	1.12
(1,2049)	1:79:A:LYS:HA	1:81:A:SER:H	11	1.12
(1,2010)	1:75:A:THR:H	1:78:A:LEU:H	6	1.12
(1,1977)	1:71:A:LEU:HB3	1:72:A:THR:H	13	1.12
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG21	8	1.12
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG22	8	1.12
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG23	8	1.12
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE2	7	1.12
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE3	7	1.12
(1,1947)	1:67:A:GLU:HG2	1:68:A:LYS:H	14	1.12
(1,1947)	1:67:A:GLU:HG3	1:68:A:LYS:H	14	1.12
(1,1915)	1:64:A:LYS:H	1:67:A:GLU:H	15	1.12
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD21	8	1.12
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD22	8	1.12
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD23	8	1.12
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD11	8	1.12
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD12	8	1.12
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD13	8	1.12
(1,1901)	1:63:A:LEU:H	1:62:A:SER:HB2	11	1.12
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD1	13	1.12
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD2	13	1.12
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD11	2	1.12
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD12	2	1.12
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD13	2	1.12
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD11	2	1.12
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD12	2	1.12
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD13	2	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD11	6	1.12
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD12	6	1.12
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD13	6	1.12
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB2	4	1.12
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB3	4	1.12
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB2	5	1.12
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB3	5	1.12
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB2	8	1.12
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB3	8	1.12
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB2	9	1.12
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB3	9	1.12
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB2	13	1.12
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB3	13	1.12
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB2	14	1.12
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB3	14	1.12
(1,1840)	1:51:A:THR:HA	1:50:A:LEU:HA	12	1.12
(1,1821)	1:46:A:VAL:HA	1:47:A:GLN:H	2	1.12
(1,1821)	1:46:A:VAL:HA	1:47:A:GLN:H	11	1.12
(1,1821)	1:46:A:VAL:HA	1:47:A:GLN:H	14	1.12
(1,1800)	1:44:A:THR:H	1:40:A:ARG:HA	4	1.12
(1,1800)	1:44:A:THR:H	1:40:A:ARG:HA	6	1.12
(1,1799)	1:43:A:ALA:HA	1:46:A:VAL:HB	13	1.12
(1,1792)	1:43:A:ALA:H	1:40:A:ARG:HA	8	1.12
(1,1785)	1:42:A:LEU:H	1:39:A:LEU:HA	13	1.12
(1,1785)	1:42:A:LEU:H	1:39:A:LEU:HA	15	1.12
(1,1771)	1:38:A:ALA:H	1:36:A:ILE:HA	2	1.12
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB1	11	1.12
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB2	11	1.12
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB3	11	1.12
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB2	2	1.12
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB3	2	1.12
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB2	11	1.12
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB3	11	1.12
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD2	11	1.12
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD3	11	1.12
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD2	12	1.12
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD3	12	1.12
(1,1575)	1:4:A:ILE:HG13	1:3:A:ASP:HA	1	1.12
(1,1575)	1:4:A:ILE:HG12	1:3:A:ASP:HA	1	1.12
(1,1575)	1:4:A:ILE:HG13	1:3:A:ASP:HA	6	1.12
(1,1575)	1:4:A:ILE:HG12	1:3:A:ASP:HA	6	1.12
(1,1575)	1:4:A:ILE:HG13	1:3:A:ASP:HA	9	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1575)	1:4:A:ILE:HG12	1:3:A:ASP:HA	9	1.12
(1,1575)	1:4:A:ILE:HG13	1:3:A:ASP:HA	10	1.12
(1,1575)	1:4:A:ILE:HG12	1:3:A:ASP:HA	10	1.12
(1,1575)	1:4:A:ILE:HG13	1:3:A:ASP:HA	14	1.12
(1,1575)	1:4:A:ILE:HG12	1:3:A:ASP:HA	14	1.12
(1,1560)	1:2:A:PHE:H	1:4:A:ILE:HG13	6	1.12
(1,1560)	1:2:A:PHE:H	1:4:A:ILE:HG13	10	1.12
(1,1546)	1:2:A:PHE:HD1	1:1:A:MET:HA	4	1.12
(1,1546)	1:2:A:PHE:HD2	1:1:A:MET:HA	4	1.12
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB1	9	1.12
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB2	9	1.12
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB3	9	1.12
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB1	8	1.12
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB2	8	1.12
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB3	8	1.12
(1,1470)	1:73:A:ASN:HB2	1:72:A:THR:H	2	1.12
(1,1470)	1:73:A:ASN:HB3	1:72:A:THR:H	2	1.12
(1,1470)	1:73:A:ASN:HB2	1:72:A:THR:H	7	1.12
(1,1470)	1:73:A:ASN:HB3	1:72:A:THR:H	7	1.12
(1,1470)	1:73:A:ASN:HB2	1:72:A:THR:H	10	1.12
(1,1470)	1:73:A:ASN:HB3	1:72:A:THR:H	10	1.12
(1,1432)	1:56:A:LEU:HB2	1:60:A:GLN:HB2	15	1.12
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE21	13	1.12
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE22	13	1.12
(1,1397)	1:44:A:THR:HG21	1:43:A:ALA:HB1	8	1.12
(1,1397)	1:44:A:THR:HG21	1:43:A:ALA:HB2	8	1.12
(1,1397)	1:44:A:THR:HG21	1:43:A:ALA:HB3	8	1.12
(1,1397)	1:44:A:THR:HG22	1:43:A:ALA:HB1	8	1.12
(1,1397)	1:44:A:THR:HG22	1:43:A:ALA:HB2	8	1.12
(1,1397)	1:44:A:THR:HG22	1:43:A:ALA:HB3	8	1.12
(1,1397)	1:44:A:THR:HG23	1:43:A:ALA:HB1	8	1.12
(1,1397)	1:44:A:THR:HG23	1:43:A:ALA:HB2	8	1.12
(1,1397)	1:44:A:THR:HG23	1:43:A:ALA:HB3	8	1.12
(1,1397)	1:44:A:THR:HG21	1:43:A:ALA:HB1	9	1.12
(1,1397)	1:44:A:THR:HG21	1:43:A:ALA:HB2	9	1.12
(1,1397)	1:44:A:THR:HG21	1:43:A:ALA:HB3	9	1.12
(1,1397)	1:44:A:THR:HG22	1:43:A:ALA:HB1	9	1.12
(1,1397)	1:44:A:THR:HG22	1:43:A:ALA:HB2	9	1.12
(1,1397)	1:44:A:THR:HG22	1:43:A:ALA:HB3	9	1.12
(1,1397)	1:44:A:THR:HG23	1:43:A:ALA:HB1	9	1.12
(1,1397)	1:44:A:THR:HG23	1:43:A:ALA:HB2	9	1.12
(1,1397)	1:44:A:THR:HG23	1:43:A:ALA:HB3	9	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1396)	1:44:A:THR:H	1:42:A:LEU:HA	4	1.12
(1,1385)	1:41:A:SER:HA	1:44:A:THR:HB	2	1.12
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG11	4	1.12
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG12	4	1.12
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG13	4	1.12
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG11	5	1.12
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG12	5	1.12
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG13	5	1.12
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG11	8	1.12
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG12	8	1.12
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG13	8	1.12
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG11	14	1.12
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG12	14	1.12
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG13	14	1.12
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG11	15	1.12
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG12	15	1.12
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG13	15	1.12
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG21	1	1.12
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG22	1	1.12
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG23	1	1.12
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG21	14	1.12
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG22	14	1.12
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG23	14	1.12
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG21	13	1.12
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG22	13	1.12
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG23	13	1.12
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG21	13	1.12
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG22	13	1.12
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG23	13	1.12
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG21	13	1.12
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG22	13	1.12
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG23	13	1.12
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD11	3	1.11
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD12	3	1.11
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD13	3	1.11
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD11	4	1.11
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD12	4	1.11
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD13	4	1.11
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD11	9	1.11
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD12	9	1.11
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD13	9	1.11
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD11	14	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD12	14	1.11
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD13	14	1.11
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG21	10	1.11
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG22	10	1.11
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG23	10	1.11
(1,2826)	1:57:A:GLN:H	1:54:A:LEU:HA	11	1.11
(1,2826)	1:57:A:GLN:H	1:54:A:LEU:HA	12	1.11
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG21	6	1.11
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG22	6	1.11
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG23	6	1.11
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG21	6	1.11
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG22	6	1.11
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG23	6	1.11
(1,2819)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	1	1.11
(1,2819)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	1	1.11
(1,2819)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	9	1.11
(1,2819)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	9	1.11
(1,2819)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	14	1.11
(1,2819)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	14	1.11
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG2	15	1.11
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG3	15	1.11
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG21	1	1.11
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG22	1	1.11
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG23	1	1.11
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG21	6	1.11
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG22	6	1.11
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG23	6	1.11
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG21	7	1.11
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG22	7	1.11
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG23	7	1.11
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG21	13	1.11
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG22	13	1.11
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG23	13	1.11
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG21	14	1.11
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG22	14	1.11
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG23	14	1.11
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG21	14	1.11
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG22	14	1.11
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG23	14	1.11
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD21	11	1.11
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD22	11	1.11
(1,2754)	1:20:A:LEU:HA	1:25:A:LEU:HD23	11	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD11	3	1.11
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD12	3	1.11
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD13	3	1.11
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD11	4	1.11
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD12	4	1.11
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD13	4	1.11
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD11	9	1.11
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD12	9	1.11
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD13	9	1.11
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD11	14	1.11
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD12	14	1.11
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD13	14	1.11
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG21	10	1.11
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG22	10	1.11
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG23	10	1.11
(1,2702)	1:57:A:GLN:H	1:54:A:LEU:HA	11	1.11
(1,2702)	1:57:A:GLN:H	1:54:A:LEU:HA	12	1.11
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG21	6	1.11
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG22	6	1.11
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG23	6	1.11
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG21	6	1.11
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG22	6	1.11
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG23	6	1.11
(1,2695)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	1	1.11
(1,2695)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	1	1.11
(1,2695)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	9	1.11
(1,2695)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	9	1.11
(1,2695)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	14	1.11
(1,2695)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	14	1.11
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG2	15	1.11
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG3	15	1.11
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG21	1	1.11
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG22	1	1.11
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG23	1	1.11
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG21	6	1.11
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG22	6	1.11
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG23	6	1.11
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG21	7	1.11
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG22	7	1.11
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG23	7	1.11
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG21	13	1.11
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG22	13	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG23	13	1.11
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG21	14	1.11
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG22	14	1.11
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG23	14	1.11
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG21	14	1.11
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG22	14	1.11
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG23	14	1.11
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD21	11	1.11
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD22	11	1.11
(1,2630)	1:20:A:LEU:HA	1:25:A:LEU:HD23	11	1.11
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD11	3	1.11
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD12	3	1.11
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD13	3	1.11
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD11	4	1.11
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD12	4	1.11
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD13	4	1.11
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD11	9	1.11
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD12	9	1.11
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD13	9	1.11
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD11	14	1.11
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD12	14	1.11
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD13	14	1.11
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG21	10	1.11
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG22	10	1.11
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG23	10	1.11
(1,2578)	1:57:A:GLN:H	1:54:A:LEU:HA	11	1.11
(1,2578)	1:57:A:GLN:H	1:54:A:LEU:HA	12	1.11
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG21	6	1.11
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG22	6	1.11
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG23	6	1.11
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG21	6	1.11
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG22	6	1.11
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG23	6	1.11
(1,2571)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	1	1.11
(1,2571)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	1	1.11
(1,2571)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	9	1.11
(1,2571)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	9	1.11
(1,2571)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	14	1.11
(1,2571)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	14	1.11
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG2	15	1.11
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG3	15	1.11
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG21	1	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG22	1	1.11
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG23	1	1.11
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG21	6	1.11
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG22	6	1.11
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG23	6	1.11
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG21	7	1.11
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG22	7	1.11
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG23	7	1.11
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG21	13	1.11
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG22	13	1.11
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG23	13	1.11
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG21	14	1.11
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG22	14	1.11
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG23	14	1.11
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG21	14	1.11
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG22	14	1.11
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG23	14	1.11
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD21	11	1.11
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD22	11	1.11
(1,2506)	1:20:A:LEU:HA	1:25:A:LEU:HD23	11	1.11
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD11	3	1.11
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD12	3	1.11
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD13	3	1.11
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD11	4	1.11
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD12	4	1.11
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD13	4	1.11
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD11	9	1.11
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD12	9	1.11
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD13	9	1.11
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD11	14	1.11
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD12	14	1.11
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD13	14	1.11
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG21	10	1.11
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG22	10	1.11
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG23	10	1.11
(1,2454)	1:57:A:GLN:H	1:54:A:LEU:HA	11	1.11
(1,2454)	1:57:A:GLN:H	1:54:A:LEU:HA	12	1.11
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG21	6	1.11
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG22	6	1.11
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG23	6	1.11
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG21	6	1.11
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG22	6	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG23	6	1.11
(1,2447)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	1	1.11
(1,2447)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	1	1.11
(1,2447)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	9	1.11
(1,2447)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	9	1.11
(1,2447)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	14	1.11
(1,2447)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	14	1.11
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG2	15	1.11
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG3	15	1.11
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG21	1	1.11
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG22	1	1.11
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG23	1	1.11
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG21	6	1.11
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG22	6	1.11
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG23	6	1.11
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG21	7	1.11
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG22	7	1.11
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG23	7	1.11
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG21	13	1.11
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG22	13	1.11
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG23	13	1.11
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG21	14	1.11
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG22	14	1.11
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG23	14	1.11
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG21	14	1.11
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG22	14	1.11
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG23	14	1.11
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD21	11	1.11
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD22	11	1.11
(1,2382)	1:20:A:LEU:HA	1:25:A:LEU:HD23	11	1.11
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD11	3	1.11
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD12	3	1.11
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD13	3	1.11
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD11	4	1.11
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD12	4	1.11
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD13	4	1.11
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD11	9	1.11
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD12	9	1.11
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD13	9	1.11
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD11	14	1.11
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD12	14	1.11
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD13	14	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG21	10	1.11
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG22	10	1.11
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG23	10	1.11
(1,2330)	1:57:A:GLN:H	1:54:A:LEU:HA	11	1.11
(1,2330)	1:57:A:GLN:H	1:54:A:LEU:HA	12	1.11
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG21	6	1.11
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG22	6	1.11
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG23	6	1.11
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG21	6	1.11
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG22	6	1.11
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG23	6	1.11
(1,2323)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	1	1.11
(1,2323)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	1	1.11
(1,2323)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	9	1.11
(1,2323)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	9	1.11
(1,2323)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	14	1.11
(1,2323)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	14	1.11
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG2	15	1.11
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG3	15	1.11
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG21	1	1.11
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG22	1	1.11
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG23	1	1.11
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG21	6	1.11
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG22	6	1.11
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG23	6	1.11
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG21	7	1.11
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG22	7	1.11
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG23	7	1.11
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG21	13	1.11
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG22	13	1.11
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG23	13	1.11
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG21	14	1.11
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG22	14	1.11
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG23	14	1.11
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG21	14	1.11
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG22	14	1.11
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG23	14	1.11
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD21	11	1.11
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD22	11	1.11
(1,2258)	1:20:A:LEU:HA	1:25:A:LEU:HD23	11	1.11
(1,2106)	1:84:A:GLU:HA	1:87:A:GLN:HE21	9	1.11
(1,2093)	1:84:A:GLU:HB2	1:81:A:SER:HB3	4	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2093)	1:84:A:GLU:HB2	1:81:A:SER:HB3	5	1.11
(1,2078)	1:83:A:ASP:H	1:80:A:ALA:HA	2	1.11
(1,2078)	1:83:A:ASP:H	1:80:A:ALA:HA	9	1.11
(1,2078)	1:83:A:ASP:H	1:80:A:ALA:HA	13	1.11
(1,2004)	1:74:A:LEU:HB2	1:75:A:THR:H	9	1.11
(1,2004)	1:74:A:LEU:HB3	1:75:A:THR:H	9	1.11
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG21	7	1.11
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG22	7	1.11
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG23	7	1.11
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG21	10	1.11
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG22	10	1.11
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG23	10	1.11
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG21	15	1.11
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG22	15	1.11
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG23	15	1.11
(1,1958)	1:69:A:ALA:H	1:65:A:LYS:HE2	10	1.11
(1,1958)	1:69:A:ALA:H	1:65:A:LYS:HE3	10	1.11
(1,1955)	1:68:A:LYS:HG2	1:69:A:ALA:H	15	1.11
(1,1919)	1:65:A:LYS:H	1:62:A:SER:HA	3	1.11
(1,1919)	1:65:A:LYS:H	1:62:A:SER:HA	4	1.11
(1,1919)	1:65:A:LYS:H	1:62:A:SER:HA	14	1.11
(1,1915)	1:64:A:LYS:H	1:67:A:GLU:H	1	1.11
(1,1915)	1:64:A:LYS:H	1:67:A:GLU:H	2	1.11
(1,1887)	1:61:A:ASP:HA	1:64:A:LYS:H	6	1.11
(1,1887)	1:61:A:ASP:HA	1:64:A:LYS:H	8	1.11
(1,1887)	1:61:A:ASP:HA	1:64:A:LYS:H	15	1.11
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB2	3	1.11
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB3	3	1.11
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB2	7	1.11
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB3	7	1.11
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB2	1	1.11
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB3	1	1.11
(1,1821)	1:46:A:VAL:HA	1:47:A:GLN:H	8	1.11
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG21	14	1.11
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG22	14	1.11
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG23	14	1.11
(1,1816)	1:45:A:THR:H	1:48:A:ASN:H	11	1.11
(1,1805)	1:45:A:THR:H	1:42:A:LEU:HA	15	1.11
(1,1792)	1:43:A:ALA:H	1:40:A:ARG:HA	9	1.11
(1,1792)	1:43:A:ALA:H	1:40:A:ARG:HA	10	1.11
(1,1792)	1:43:A:ALA:H	1:40:A:ARG:HA	11	1.11
(1,1785)	1:42:A:LEU:H	1:39:A:LEU:HA	7	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1785)	1:42:A:LEU:H	1:39:A:LEU:HA	12	1.11
(1,1785)	1:42:A:LEU:H	1:39:A:LEU:HA	14	1.11
(1,1771)	1:38:A:ALA:H	1:36:A:ILE:HA	1	1.11
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB1	1	1.11
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB2	1	1.11
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB3	1	1.11
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG21	2	1.11
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG22	2	1.11
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG23	2	1.11
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG21	7	1.11
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG22	7	1.11
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG23	7	1.11
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG21	15	1.11
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG22	15	1.11
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG23	15	1.11
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB2	3	1.11
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB3	3	1.11
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB2	4	1.11
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB3	4	1.11
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB2	5	1.11
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB3	5	1.11
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB2	6	1.11
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB3	6	1.11
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB2	7	1.11
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB3	7	1.11
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB2	8	1.11
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB3	8	1.11
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB2	9	1.11
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB3	9	1.11
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB2	10	1.11
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB3	10	1.11
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB2	13	1.11
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB3	13	1.11
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB2	14	1.11
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB3	14	1.11
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB2	15	1.11
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB3	15	1.11
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD2	4	1.11
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD3	4	1.11
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD2	5	1.11
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD3	5	1.11
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD2	7	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD3	7	1.11
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD2	8	1.11
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD3	8	1.11
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD2	10	1.11
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD3	10	1.11
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD2	14	1.11
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD3	14	1.11
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD2	15	1.11
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD3	15	1.11
(1,1701)	1:22:A:PRO:HD2	1:21:A:GLY:H	13	1.11
(1,1701)	1:22:A:PRO:HD3	1:21:A:GLY:H	13	1.11
(1,1653)	1:14:A:ILE:HA	1:13:A:PHE:HD1	11	1.11
(1,1653)	1:14:A:ILE:HA	1:13:A:PHE:HD2	11	1.11
(1,1644)	1:13:A:PHE:HA	1:16:A:GLY:H	13	1.11
(1,1609)	1:8:A:GLU:H	1:4:A:ILE:HG21	12	1.11
(1,1609)	1:8:A:GLU:H	1:4:A:ILE:HG22	12	1.11
(1,1609)	1:8:A:GLU:H	1:4:A:ILE:HG23	12	1.11
(1,1605)	1:8:A:GLU:HB2	1:4:A:ILE:HB	5	1.11
(1,1604)	1:8:A:GLU:HB2	1:4:A:ILE:HA	15	1.11
(1,1584)	1:4:A:ILE:HD11	1:8:A:GLU:HB2	7	1.11
(1,1584)	1:4:A:ILE:HD12	1:8:A:GLU:HB2	7	1.11
(1,1584)	1:4:A:ILE:HD13	1:8:A:GLU:HB2	7	1.11
(1,1575)	1:4:A:ILE:HG13	1:3:A:ASP:HA	3	1.11
(1,1575)	1:4:A:ILE:HG12	1:3:A:ASP:HA	3	1.11
(1,1570)	1:3:A:ASP:HA	1:5:A:GLY:H	13	1.11
(1,1564)	1:3:A:ASP:HB2	1:4:A:ILE:HA	13	1.11
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE1	14	1.11
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE2	14	1.11
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE3	14	1.11
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE1	14	1.11
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE2	14	1.11
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE3	14	1.11
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB1	2	1.11
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB2	2	1.11
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB3	2	1.11
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB1	4	1.11
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB2	4	1.11
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB3	4	1.11
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB1	5	1.11
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB2	5	1.11
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB3	5	1.11
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB1	10	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB2	10	1.11
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB3	10	1.11
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB1	11	1.11
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB2	11	1.11
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB3	11	1.11
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB1	10	1.11
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB2	10	1.11
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB3	10	1.11
(1,1477)	1:75:A:THR:H	1:74:A:LEU:HG	5	1.11
(1,1470)	1:73:A:ASN:HB2	1:72:A:THR:H	5	1.11
(1,1470)	1:73:A:ASN:HB3	1:72:A:THR:H	5	1.11
(1,1470)	1:73:A:ASN:HB2	1:72:A:THR:H	11	1.11
(1,1470)	1:73:A:ASN:HB3	1:72:A:THR:H	11	1.11
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG2	15	1.11
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG3	15	1.11
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG21	14	1.11
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG22	14	1.11
(1,1417)	1:47:A:GLN:HE21	1:44:A:THR:HG23	14	1.11
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG21	14	1.11
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG22	14	1.11
(1,1417)	1:47:A:GLN:HE22	1:44:A:THR:HG23	14	1.11
(1,1397)	1:44:A:THR:HG21	1:43:A:ALA:HB1	2	1.11
(1,1397)	1:44:A:THR:HG21	1:43:A:ALA:HB2	2	1.11
(1,1397)	1:44:A:THR:HG21	1:43:A:ALA:HB3	2	1.11
(1,1397)	1:44:A:THR:HG22	1:43:A:ALA:HB1	2	1.11
(1,1397)	1:44:A:THR:HG22	1:43:A:ALA:HB2	2	1.11
(1,1397)	1:44:A:THR:HG22	1:43:A:ALA:HB3	2	1.11
(1,1397)	1:44:A:THR:HG23	1:43:A:ALA:HB1	2	1.11
(1,1397)	1:44:A:THR:HG23	1:43:A:ALA:HB2	2	1.11
(1,1397)	1:44:A:THR:HG23	1:43:A:ALA:HB3	2	1.11
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG21	14	1.11
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG22	14	1.11
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG23	14	1.11
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD11	13	1.11
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD12	13	1.11
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD13	13	1.11
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG21	2	1.11
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG22	2	1.11
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG23	2	1.11
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB2	6	1.11
(1,1280)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	6	1.11
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB2	6	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1280)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	6	1.11
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB2	6	1.11
(1,1280)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	6	1.11
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE1	1	1.11
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE2	1	1.11
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE1	1	1.11
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE2	1	1.11
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE1	1	1.11
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE2	1	1.11
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD11	9	1.11
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD12	9	1.11
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD13	9	1.11
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD1	12	1.11
(1,1252)	1:9:A:LEU:HG	1:13:A:PHE:HD2	12	1.11
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG21	4	1.11
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG22	4	1.11
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG23	4	1.11
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG21	4	1.11
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG22	4	1.11
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG23	4	1.11
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG21	4	1.11
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG22	4	1.11
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG23	4	1.11
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG21	14	1.11
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG22	14	1.11
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG23	14	1.11
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG21	14	1.11
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG22	14	1.11
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG23	14	1.11
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG21	14	1.11
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG22	14	1.11
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG23	14	1.11
(1,897)	1:63:A:LEU:H	1:62:A:SER:HB3	12	1.11
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD11	2	1.1
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD12	2	1.1
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD13	2	1.1
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD11	7	1.1
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD12	7	1.1
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD13	7	1.1
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD11	10	1.1
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD12	10	1.1
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD13	10	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD11	11	1.1
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD12	11	1.1
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD13	11	1.1
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD11	12	1.1
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD12	12	1.1
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD13	12	1.1
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG21	1	1.1
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG22	1	1.1
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG23	1	1.1
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG21	2	1.1
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG22	2	1.1
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG23	2	1.1
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG21	11	1.1
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG22	11	1.1
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG23	11	1.1
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG21	12	1.1
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG22	12	1.1
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG23	12	1.1
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	2	1.1
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	2	1.1
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	2	1.1
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	2	1.1
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	2	1.1
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	2	1.1
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	2	1.1
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	2	1.1
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	2	1.1
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	2	1.1
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	2	1.1
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	2	1.1
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	2	1.1
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	2	1.1
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	2	1.1
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	2	1.1
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	2	1.1
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	2	1.1
(1,2826)	1:57:A:GLN:H	1:54:A:LEU:HA	10	1.1
(1,2819)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	6	1.1
(1,2819)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	6	1.1
(1,2800)	1:49:A:GLU:HA	1:54:A:LEU:H	11	1.1
(1,2790)	1:48:A:ASN:HD22	1:44:A:THR:HG21	10	1.1
(1,2790)	1:48:A:ASN:HD22	1:44:A:THR:HG22	10	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2790)	1:48:A:ASN:HD22	1:44:A:THR:HG23	10	1.1
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD21	12	1.1
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD22	12	1.1
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD23	12	1.1
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD11	2	1.1
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD12	2	1.1
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD13	2	1.1
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD11	7	1.1
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD12	7	1.1
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD13	7	1.1
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD11	10	1.1
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD12	10	1.1
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD13	10	1.1
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD11	11	1.1
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD12	11	1.1
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD13	11	1.1
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD11	12	1.1
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD12	12	1.1
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD13	12	1.1
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG21	1	1.1
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG22	1	1.1
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG23	1	1.1
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG21	2	1.1
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG22	2	1.1
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG23	2	1.1
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG21	11	1.1
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG22	11	1.1
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG23	11	1.1
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG21	12	1.1
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG22	12	1.1
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG23	12	1.1
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	2	1.1
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	2	1.1
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	2	1.1
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	2	1.1
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	2	1.1
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	2	1.1
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	2	1.1
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	2	1.1
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	2	1.1
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	2	1.1
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	2	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	2	1.1
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	2	1.1
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	2	1.1
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	2	1.1
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	2	1.1
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	2	1.1
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	2	1.1
(1,2702)	1:57:A:GLN:H	1:54:A:LEU:HA	10	1.1
(1,2695)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	6	1.1
(1,2695)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	6	1.1
(1,2676)	1:49:A:GLU:HA	1:54:A:LEU:H	11	1.1
(1,2666)	1:48:A:ASN:HD22	1:44:A:THR:HG21	10	1.1
(1,2666)	1:48:A:ASN:HD22	1:44:A:THR:HG22	10	1.1
(1,2666)	1:48:A:ASN:HD22	1:44:A:THR:HG23	10	1.1
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD21	12	1.1
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD22	12	1.1
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD23	12	1.1
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD11	2	1.1
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD12	2	1.1
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD13	2	1.1
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD11	7	1.1
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD12	7	1.1
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD13	7	1.1
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD11	10	1.1
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD12	10	1.1
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD13	10	1.1
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD11	11	1.1
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD12	11	1.1
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD13	11	1.1
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD11	12	1.1
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD12	12	1.1
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD13	12	1.1
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG21	1	1.1
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG22	1	1.1
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG23	1	1.1
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG21	2	1.1
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG22	2	1.1
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG23	2	1.1
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG21	11	1.1
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG22	11	1.1
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG23	11	1.1
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG21	12	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG22	12	1.1
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG23	12	1.1
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	2	1.1
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	2	1.1
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	2	1.1
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	2	1.1
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	2	1.1
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	2	1.1
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	2	1.1
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	2	1.1
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	2	1.1
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	2	1.1
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	2	1.1
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	2	1.1
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	2	1.1
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	2	1.1
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	2	1.1
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	2	1.1
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	2	1.1
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	2	1.1
(1,2578)	1:57:A:GLN:H	1:54:A:LEU:HA	10	1.1
(1,2571)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	6	1.1
(1,2571)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	6	1.1
(1,2552)	1:49:A:GLU:HA	1:54:A:LEU:H	11	1.1
(1,2542)	1:48:A:ASN:HD22	1:44:A:THR:HG21	10	1.1
(1,2542)	1:48:A:ASN:HD22	1:44:A:THR:HG22	10	1.1
(1,2542)	1:48:A:ASN:HD22	1:44:A:THR:HG23	10	1.1
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD21	12	1.1
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD22	12	1.1
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD23	12	1.1
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD11	2	1.1
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD12	2	1.1
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD13	2	1.1
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD11	7	1.1
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD12	7	1.1
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD13	7	1.1
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD11	10	1.1
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD12	10	1.1
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD13	10	1.1
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD11	11	1.1
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD12	11	1.1
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD13	11	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD11	12	1.1
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD12	12	1.1
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD13	12	1.1
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG21	1	1.1
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG22	1	1.1
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG23	1	1.1
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG21	2	1.1
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG22	2	1.1
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG23	2	1.1
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG21	11	1.1
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG22	11	1.1
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG23	11	1.1
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG21	12	1.1
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG22	12	1.1
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG23	12	1.1
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	2	1.1
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	2	1.1
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	2	1.1
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	2	1.1
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	2	1.1
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	2	1.1
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	2	1.1
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	2	1.1
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	2	1.1
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	2	1.1
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	2	1.1
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	2	1.1
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	2	1.1
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	2	1.1
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	2	1.1
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	2	1.1
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	2	1.1
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	2	1.1
(1,2454)	1:57:A:GLN:H	1:54:A:LEU:HA	10	1.1
(1,2447)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	6	1.1
(1,2447)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	6	1.1
(1,2428)	1:49:A:GLU:HA	1:54:A:LEU:H	11	1.1
(1,2418)	1:48:A:ASN:HD22	1:44:A:THR:HG21	10	1.1
(1,2418)	1:48:A:ASN:HD22	1:44:A:THR:HG22	10	1.1
(1,2418)	1:48:A:ASN:HD22	1:44:A:THR:HG23	10	1.1
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD21	12	1.1
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD22	12	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD23	12	1.1
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD11	2	1.1
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD12	2	1.1
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD13	2	1.1
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD11	7	1.1
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD12	7	1.1
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD13	7	1.1
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD11	10	1.1
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD12	10	1.1
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD13	10	1.1
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD11	11	1.1
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD12	11	1.1
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD13	11	1.1
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD11	12	1.1
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD12	12	1.1
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD13	12	1.1
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG21	1	1.1
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG22	1	1.1
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG23	1	1.1
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG21	2	1.1
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG22	2	1.1
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG23	2	1.1
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG21	11	1.1
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG22	11	1.1
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG23	11	1.1
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG21	12	1.1
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG22	12	1.1
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG23	12	1.1
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	2	1.1
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	2	1.1
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	2	1.1
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	2	1.1
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	2	1.1
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	2	1.1
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	2	1.1
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	2	1.1
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	2	1.1
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	2	1.1
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	2	1.1
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	2	1.1
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	2	1.1
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	2	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	2	1.1
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	2	1.1
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	2	1.1
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	2	1.1
(1,2330)	1:57:A:GLN:H	1:54:A:LEU:HA	10	1.1
(1,2323)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	6	1.1
(1,2323)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	6	1.1
(1,2304)	1:49:A:GLU:HA	1:54:A:LEU:H	11	1.1
(1,2294)	1:48:A:ASN:HD22	1:44:A:THR:HG21	10	1.1
(1,2294)	1:48:A:ASN:HD22	1:44:A:THR:HG22	10	1.1
(1,2294)	1:48:A:ASN:HD22	1:44:A:THR:HG23	10	1.1
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD21	12	1.1
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD22	12	1.1
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD23	12	1.1
(1,2232)	1:101:A:PRO:HA	1:102:A:LEU:HG	5	1.1
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB1	1	1.1
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB2	1	1.1
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB3	1	1.1
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB1	13	1.1
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB2	13	1.1
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB3	13	1.1
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB1	15	1.1
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB2	15	1.1
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB3	15	1.1
(1,2216)	1:98:A:ALA:HA	1:100:A:ASP:H	12	1.1
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB1	12	1.1
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB2	12	1.1
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB3	12	1.1
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB1	12	1.1
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB2	12	1.1
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB3	12	1.1
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB1	12	1.1
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB2	12	1.1
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB3	12	1.1
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB1	13	1.1
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB2	13	1.1
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB3	13	1.1
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB1	13	1.1
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB2	13	1.1
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB3	13	1.1
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB1	13	1.1
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB2	13	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB3	13	1.1
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB1	1	1.1
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB2	1	1.1
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB3	1	1.1
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB1	1	1.1
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB2	1	1.1
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB3	1	1.1
(1,2093)	1:84:A:GLU:HB2	1:81:A:SER:HB3	1	1.1
(1,2093)	1:84:A:GLU:HB2	1:81:A:SER:HB3	12	1.1
(1,2078)	1:83:A:ASP:H	1:80:A:ALA:HA	6	1.1
(1,2078)	1:83:A:ASP:H	1:80:A:ALA:HA	8	1.1
(1,2067)	1:82:A:MET:HB3	1:79:A:LYS:HA	8	1.1
(1,2049)	1:79:A:LYS:HA	1:81:A:SER:H	2	1.1
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD11	8	1.1
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD12	8	1.1
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD13	8	1.1
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD21	8	1.1
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD22	8	1.1
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD23	8	1.1
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG21	5	1.1
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG22	5	1.1
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG23	5	1.1
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG21	6	1.1
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG22	6	1.1
(1,1964)	1:70:A:SER:HA	1:72:A:THR:HG23	6	1.1
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG21	9	1.1
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG22	9	1.1
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG23	9	1.1
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD2	1	1.1
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD3	1	1.1
(1,1919)	1:65:A:LYS:H	1:62:A:SER:HA	8	1.1
(1,1919)	1:65:A:LYS:H	1:62:A:SER:HA	15	1.1
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD21	7	1.1
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD22	7	1.1
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD23	7	1.1
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD11	7	1.1
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD12	7	1.1
(1,1913)	1:64:A:LYS:H	1:63:A:LEU:HD13	7	1.1
(1,1882)	1:61:A:ASP:H	1:60:A:GLN:HB2	10	1.1
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD1	11	1.1
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD2	11	1.1
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG2	14	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG3	14	1.1
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB2	6	1.1
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB3	6	1.1
(1,1821)	1:46:A:VAL:HA	1:47:A:GLN:H	9	1.1
(1,1821)	1:46:A:VAL:HA	1:47:A:GLN:H	12	1.1
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG21	13	1.1
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG22	13	1.1
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG23	13	1.1
(1,1816)	1:45:A:THR:H	1:48:A:ASN:H	13	1.1
(1,1805)	1:45:A:THR:H	1:42:A:LEU:HA	7	1.1
(1,1805)	1:45:A:THR:H	1:42:A:LEU:HA	14	1.1
(1,1800)	1:44:A:THR:H	1:40:A:ARG:HA	5	1.1
(1,1800)	1:44:A:THR:H	1:40:A:ARG:HA	7	1.1
(1,1800)	1:44:A:THR:H	1:40:A:ARG:HA	12	1.1
(1,1800)	1:44:A:THR:H	1:40:A:ARG:HA	13	1.1
(1,1758)	1:35:A:TRP:H	1:37:A:ARG:H	12	1.1
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG21	3	1.1
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG22	3	1.1
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG23	3	1.1
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG21	4	1.1
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG22	4	1.1
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG23	4	1.1
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG21	8	1.1
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG22	8	1.1
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG23	8	1.1
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG21	10	1.1
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG22	10	1.1
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG23	10	1.1
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG21	14	1.1
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG22	14	1.1
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG23	14	1.1
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB2	12	1.1
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB3	12	1.1
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD2	2	1.1
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD3	2	1.1
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD2	3	1.1
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD3	3	1.1
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD2	6	1.1
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD3	6	1.1
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD2	9	1.1
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD3	9	1.1
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD1	15	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD2	15	1.1
(1,1579)	1:4:A:ILE:HG12	1:5:A:GLY:H	11	1.1
(1,1579)	1:4:A:ILE:HG13	1:5:A:GLY:H	11	1.1
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB1	11	1.1
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB2	11	1.1
(1,1515)	1:91:A:SER:H	1:89:A:ALA:HB3	11	1.1
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB1	1	1.1
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB2	1	1.1
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB3	1	1.1
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB1	10	1.1
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB2	10	1.1
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB3	10	1.1
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB1	14	1.1
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB2	14	1.1
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB3	14	1.1
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB1	3	1.1
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB2	3	1.1
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB3	3	1.1
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB1	8	1.1
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB2	8	1.1
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB3	8	1.1
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB1	11	1.1
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB2	11	1.1
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB3	11	1.1
(1,1477)	1:75:A:THR:H	1:74:A:LEU:HG	7	1.1
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG21	13	1.1
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG22	13	1.1
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG23	13	1.1
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG21	7	1.1
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG22	7	1.1
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG23	7	1.1
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG11	12	1.1
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG12	12	1.1
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG13	12	1.1
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG21	9	1.1
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG22	9	1.1
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG23	9	1.1
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG21	11	1.1
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG22	11	1.1
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG23	11	1.1
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD11	12	1.1
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD12	12	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD13	12	1.1
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG21	7	1.1
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG22	7	1.1
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG23	7	1.1
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG21	8	1.1
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG22	8	1.1
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG23	8	1.1
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG21	4	1.1
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG22	4	1.1
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG23	4	1.1
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG21	10	1.1
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG22	10	1.1
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG23	10	1.1
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG21	6	1.1
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG22	6	1.1
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG23	6	1.1
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG21	6	1.1
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG22	6	1.1
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG23	6	1.1
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG21	6	1.1
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG22	6	1.1
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG23	6	1.1
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD11	1	1.09
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD12	1	1.09
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD13	1	1.09
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD11	5	1.09
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD12	5	1.09
(1,2859)	1:74:A:LEU:HA	1:71:A:LEU:HD13	5	1.09
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	15	1.09
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	15	1.09
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	15	1.09
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	15	1.09
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	15	1.09
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	15	1.09
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	15	1.09
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	15	1.09
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	15	1.09
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	15	1.09
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	15	1.09
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	15	1.09
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG21	3	1.09
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG22	3	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG23	3	1.09
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG21	3	1.09
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG22	3	1.09
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG23	3	1.09
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	11	1.09
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	11	1.09
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	11	1.09
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	11	1.09
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	11	1.09
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	11	1.09
(1,2808)	1:51:A:THR:HB	1:54:A:LEU:H	2	1.09
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD11	2	1.09
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD12	2	1.09
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD13	2	1.09
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD21	2	1.09
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD22	2	1.09
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD23	2	1.09
(1,2801)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	10	1.09
(1,2801)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	10	1.09
(1,2801)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	10	1.09
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	13	1.09
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	13	1.09
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	13	1.09
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	13	1.09
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	13	1.09
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	13	1.09
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD11	1	1.09
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD12	1	1.09
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD13	1	1.09
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD11	5	1.09
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD12	5	1.09
(1,2735)	1:74:A:LEU:HA	1:71:A:LEU:HD13	5	1.09
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	15	1.09
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	15	1.09
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	15	1.09
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	15	1.09
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	15	1.09
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	15	1.09
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	15	1.09
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	15	1.09
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	15	1.09
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	15	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	15	1.09
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	15	1.09
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG21	3	1.09
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG22	3	1.09
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG23	3	1.09
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG21	3	1.09
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG22	3	1.09
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG23	3	1.09
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	11	1.09
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	11	1.09
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	11	1.09
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	11	1.09
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	11	1.09
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	11	1.09
(1,2684)	1:51:A:THR:HB	1:54:A:LEU:H	2	1.09
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD11	2	1.09
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD12	2	1.09
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD13	2	1.09
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD21	2	1.09
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD22	2	1.09
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD23	2	1.09
(1,2677)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	10	1.09
(1,2677)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	10	1.09
(1,2677)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	10	1.09
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	13	1.09
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	13	1.09
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	13	1.09
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	13	1.09
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	13	1.09
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	13	1.09
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD11	1	1.09
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD12	1	1.09
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD13	1	1.09
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD11	5	1.09
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD12	5	1.09
(1,2611)	1:74:A:LEU:HA	1:71:A:LEU:HD13	5	1.09
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	15	1.09
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	15	1.09
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	15	1.09
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	15	1.09
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	15	1.09
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	15	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	15	1.09
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	15	1.09
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	15	1.09
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	15	1.09
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	15	1.09
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	15	1.09
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG21	3	1.09
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG22	3	1.09
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG23	3	1.09
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG21	3	1.09
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG22	3	1.09
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG23	3	1.09
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	11	1.09
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	11	1.09
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	11	1.09
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	11	1.09
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	11	1.09
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	11	1.09
(1,2560)	1:51:A:THR:HB	1:54:A:LEU:H	2	1.09
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD11	2	1.09
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD12	2	1.09
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD13	2	1.09
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD21	2	1.09
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD22	2	1.09
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD23	2	1.09
(1,2553)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	10	1.09
(1,2553)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	10	1.09
(1,2553)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	10	1.09
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	13	1.09
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	13	1.09
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	13	1.09
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	13	1.09
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	13	1.09
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	13	1.09
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD11	1	1.09
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD12	1	1.09
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD13	1	1.09
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD11	5	1.09
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD12	5	1.09
(1,2487)	1:74:A:LEU:HA	1:71:A:LEU:HD13	5	1.09
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	15	1.09
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	15	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	15	1.09
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	15	1.09
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	15	1.09
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	15	1.09
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	15	1.09
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	15	1.09
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	15	1.09
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	15	1.09
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	15	1.09
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	15	1.09
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG21	3	1.09
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG22	3	1.09
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG23	3	1.09
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG21	3	1.09
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG22	3	1.09
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG23	3	1.09
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	11	1.09
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	11	1.09
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	11	1.09
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	11	1.09
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	11	1.09
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	11	1.09
(1,2436)	1:51:A:THR:HB	1:54:A:LEU:H	2	1.09
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD11	2	1.09
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD12	2	1.09
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD13	2	1.09
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD21	2	1.09
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD22	2	1.09
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD23	2	1.09
(1,2429)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	10	1.09
(1,2429)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	10	1.09
(1,2429)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	10	1.09
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	13	1.09
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	13	1.09
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	13	1.09
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	13	1.09
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	13	1.09
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	13	1.09
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD11	1	1.09
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD12	1	1.09
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD13	1	1.09
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD11	5	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD12	5	1.09
(1,2363)	1:74:A:LEU:HA	1:71:A:LEU:HD13	5	1.09
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	15	1.09
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	15	1.09
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	15	1.09
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	15	1.09
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	15	1.09
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	15	1.09
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	15	1.09
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	15	1.09
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	15	1.09
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	15	1.09
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	15	1.09
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	15	1.09
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG21	3	1.09
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG22	3	1.09
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG23	3	1.09
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG21	3	1.09
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG22	3	1.09
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG23	3	1.09
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	11	1.09
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	11	1.09
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	11	1.09
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	11	1.09
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	11	1.09
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	11	1.09
(1,2312)	1:51:A:THR:HB	1:54:A:LEU:H	2	1.09
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD11	2	1.09
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD12	2	1.09
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD13	2	1.09
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD21	2	1.09
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD22	2	1.09
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD23	2	1.09
(1,2305)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	10	1.09
(1,2305)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	10	1.09
(1,2305)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	10	1.09
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	13	1.09
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	13	1.09
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	13	1.09
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	13	1.09
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	13	1.09
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	13	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2243)	1:103:A:GLU:H	1:102:A:LEU:HB3	4	1.09
(1,2212)	1:98:A:ALA:HA	1:97:A:VAL:HB	6	1.09
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB1	15	1.09
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB2	15	1.09
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB3	15	1.09
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB1	15	1.09
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB2	15	1.09
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB3	15	1.09
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB1	15	1.09
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB2	15	1.09
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB3	15	1.09
(1,2197)	1:96:A:TYR:HA	1:100:A:ASP:H	8	1.09
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB1	15	1.09
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB2	15	1.09
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB3	15	1.09
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB1	15	1.09
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB2	15	1.09
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB3	15	1.09
(1,2093)	1:84:A:GLU:HB2	1:81:A:SER:HB3	3	1.09
(1,2071)	1:82:A:MET:H	1:83:A:ASP:HB2	6	1.09
(1,2042)	1:79:A:LYS:H	1:77:A:GLU:H	15	1.09
(1,2004)	1:74:A:LEU:HB2	1:75:A:THR:H	3	1.09
(1,2004)	1:74:A:LEU:HB3	1:75:A:THR:H	3	1.09
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG21	4	1.09
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG22	4	1.09
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG23	4	1.09
(1,1919)	1:65:A:LYS:H	1:62:A:SER:HA	13	1.09
(1,1915)	1:64:A:LYS:H	1:67:A:GLU:H	12	1.09
(1,1901)	1:63:A:LEU:H	1:62:A:SER:HB2	1	1.09
(1,1899)	1:63:A:LEU:HB2	1:62:A:SER:HB2	2	1.09
(1,1863)	1:55:A:LYS:HA	1:54:A:LEU:H	13	1.09
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG21	1	1.09
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG22	1	1.09
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG23	1	1.09
(1,1836)	1:48:A:ASN:HA	1:52:A:GLN:HE21	2	1.09
(1,1821)	1:46:A:VAL:HA	1:47:A:GLN:H	1	1.09
(1,1816)	1:45:A:THR:H	1:48:A:ASN:H	4	1.09
(1,1816)	1:45:A:THR:H	1:48:A:ASN:H	7	1.09
(1,1805)	1:45:A:THR:H	1:42:A:LEU:HA	3	1.09
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG11	10	1.09
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG12	10	1.09
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG13	10	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:44:A:THR:H	1:40:A:ARG:HA	2	1.09
(1,1799)	1:43:A:ALA:HA	1:46:A:VAL:HB	7	1.09
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG21	10	1.09
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG22	10	1.09
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG23	10	1.09
(1,1785)	1:42:A:LEU:H	1:39:A:LEU:HA	6	1.09
(1,1762)	1:36:A:ILE:H	1:33:A:ALA:HA	11	1.09
(1,1758)	1:35:A:TRP:H	1:37:A:ARG:H	8	1.09
(1,1758)	1:35:A:TRP:H	1:37:A:ARG:H	13	1.09
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG21	5	1.09
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG22	5	1.09
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG23	5	1.09
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG21	6	1.09
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG22	6	1.09
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG23	6	1.09
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG21	13	1.09
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG22	13	1.09
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG23	13	1.09
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB2	1	1.09
(1,1721)	1:27:A:VAL:H	1:26:A:PRO:HB3	1	1.09
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD2	13	1.09
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD3	13	1.09
(1,1603)	1:6:A:PHE:HA	1:10:A:LEU:H	7	1.09
(1,1575)	1:4:A:ILE:HG13	1:3:A:ASP:HA	5	1.09
(1,1575)	1:4:A:ILE:HG12	1:3:A:ASP:HA	5	1.09
(1,1570)	1:3:A:ASP:HA	1:5:A:GLY:H	15	1.09
(1,1569)	1:3:A:ASP:H	1:5:A:GLY:H	12	1.09
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD11	15	1.09
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD12	15	1.09
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD13	15	1.09
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD11	15	1.09
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD12	15	1.09
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD13	15	1.09
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD1	13	1.09
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD2	13	1.09
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD1	15	1.09
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD2	15	1.09
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB1	2	1.09
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB2	2	1.09
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB3	2	1.09
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB1	3	1.09
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB2	3	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB3	3	1.09
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB1	7	1.09
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB2	7	1.09
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB3	7	1.09
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB1	5	1.09
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB2	5	1.09
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB3	5	1.09
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB1	3	1.09
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB2	3	1.09
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB3	3	1.09
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB1	5	1.09
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB2	5	1.09
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB3	5	1.09
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG21	9	1.09
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG22	9	1.09
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG23	9	1.09
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG21	10	1.09
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG22	10	1.09
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG23	10	1.09
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG11	7	1.09
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG12	7	1.09
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG13	7	1.09
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG11	10	1.09
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG12	10	1.09
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG13	10	1.09
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG21	3	1.09
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG22	3	1.09
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG23	3	1.09
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG21	15	1.09
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG22	15	1.09
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG23	15	1.09
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG21	7	1.09
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG22	7	1.09
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG23	7	1.09
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG21	8	1.09
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG22	8	1.09
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG23	8	1.09
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG21	14	1.09
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG22	14	1.09
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG23	14	1.09
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG21	15	1.09
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG22	15	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG23	15	1.09
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG21	6	1.08
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG22	6	1.08
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG23	6	1.08
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG21	7	1.08
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG22	7	1.08
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG23	7	1.08
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG21	8	1.08
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG22	8	1.08
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG23	8	1.08
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD21	15	1.08
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD22	15	1.08
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD23	15	1.08
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	7	1.08
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	7	1.08
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	7	1.08
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	7	1.08
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	7	1.08
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	7	1.08
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	14	1.08
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	14	1.08
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	14	1.08
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	14	1.08
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	14	1.08
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	14	1.08
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	14	1.08
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	14	1.08
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	14	1.08
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	14	1.08
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	14	1.08
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	14	1.08
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG21	5	1.08
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG22	5	1.08
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG23	5	1.08
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG21	5	1.08
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG22	5	1.08
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG23	5	1.08
(1,2820)	1:56:A:LEU:HB3	1:51:A:THR:H	14	1.08
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG21	11	1.08
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG22	11	1.08
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG23	11	1.08
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG21	5	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG22	5	1.08
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG23	5	1.08
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG21	8	1.08
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG22	8	1.08
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG23	8	1.08
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG21	9	1.08
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG22	9	1.08
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG23	9	1.08
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	12	1.08
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	12	1.08
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	12	1.08
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	12	1.08
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	12	1.08
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	12	1.08
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	2	1.08
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	2	1.08
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	2	1.08
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	12	1.08
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	12	1.08
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	12	1.08
(1,2747)	1:17:A:LEU:H	1:22:A:PRO:HA	12	1.08
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG21	6	1.08
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG22	6	1.08
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG23	6	1.08
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG21	7	1.08
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG22	7	1.08
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG23	7	1.08
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG21	8	1.08
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG22	8	1.08
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG23	8	1.08
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD21	15	1.08
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD22	15	1.08
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD23	15	1.08
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	7	1.08
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	7	1.08
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	7	1.08
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	7	1.08
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	7	1.08
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	7	1.08
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	14	1.08
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	14	1.08
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	14	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	14	1.08
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	14	1.08
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	14	1.08
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	14	1.08
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	14	1.08
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	14	1.08
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	14	1.08
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	14	1.08
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	14	1.08
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG21	5	1.08
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG22	5	1.08
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG23	5	1.08
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG21	5	1.08
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG22	5	1.08
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG23	5	1.08
(1,2696)	1:56:A:LEU:HB3	1:51:A:THR:H	14	1.08
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG21	11	1.08
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG22	11	1.08
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG23	11	1.08
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG21	5	1.08
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG22	5	1.08
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG23	5	1.08
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG21	8	1.08
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG22	8	1.08
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG23	8	1.08
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG21	9	1.08
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG22	9	1.08
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG23	9	1.08
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	12	1.08
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	12	1.08
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	12	1.08
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	12	1.08
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	12	1.08
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	12	1.08
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	2	1.08
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	2	1.08
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	2	1.08
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	12	1.08
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	12	1.08
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	12	1.08
(1,2623)	1:17:A:LEU:H	1:22:A:PRO:HA	12	1.08
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG21	6	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG22	6	1.08
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG23	6	1.08
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG21	7	1.08
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG22	7	1.08
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG23	7	1.08
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG21	8	1.08
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG22	8	1.08
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG23	8	1.08
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD21	15	1.08
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD22	15	1.08
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD23	15	1.08
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	7	1.08
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	7	1.08
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	7	1.08
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	7	1.08
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	7	1.08
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	7	1.08
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	14	1.08
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	14	1.08
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	14	1.08
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	14	1.08
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	14	1.08
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	14	1.08
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	14	1.08
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	14	1.08
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	14	1.08
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	14	1.08
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	14	1.08
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	14	1.08
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG21	5	1.08
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG22	5	1.08
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG23	5	1.08
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG21	5	1.08
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG22	5	1.08
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG23	5	1.08
(1,2572)	1:56:A:LEU:HB3	1:51:A:THR:H	14	1.08
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG21	11	1.08
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG22	11	1.08
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG23	11	1.08
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG21	5	1.08
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG22	5	1.08
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG23	5	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG21	8	1.08
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG22	8	1.08
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG23	8	1.08
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG21	9	1.08
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG22	9	1.08
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG23	9	1.08
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	12	1.08
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	12	1.08
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	12	1.08
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	12	1.08
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	12	1.08
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	12	1.08
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	2	1.08
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	2	1.08
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	2	1.08
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	12	1.08
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	12	1.08
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	12	1.08
(1,2499)	1:17:A:LEU:H	1:22:A:PRO:HA	12	1.08
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG21	6	1.08
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG22	6	1.08
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG23	6	1.08
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG21	7	1.08
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG22	7	1.08
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG23	7	1.08
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG21	8	1.08
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG22	8	1.08
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG23	8	1.08
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD21	15	1.08
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD22	15	1.08
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD23	15	1.08
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	7	1.08
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	7	1.08
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	7	1.08
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	7	1.08
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	7	1.08
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	7	1.08
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	14	1.08
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	14	1.08
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	14	1.08
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	14	1.08
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	14	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	14	1.08
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	14	1.08
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	14	1.08
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	14	1.08
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	14	1.08
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	14	1.08
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	14	1.08
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG21	5	1.08
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG22	5	1.08
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG23	5	1.08
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG21	5	1.08
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG22	5	1.08
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG23	5	1.08
(1,2448)	1:56:A:LEU:HB3	1:51:A:THR:H	14	1.08
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG21	11	1.08
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG22	11	1.08
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG23	11	1.08
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG21	5	1.08
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG22	5	1.08
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG23	5	1.08
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG21	8	1.08
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG22	8	1.08
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG23	8	1.08
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG21	9	1.08
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG22	9	1.08
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG23	9	1.08
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	12	1.08
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	12	1.08
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	12	1.08
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	12	1.08
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	12	1.08
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	12	1.08
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	2	1.08
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	2	1.08
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	2	1.08
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	12	1.08
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	12	1.08
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	12	1.08
(1,2375)	1:17:A:LEU:H	1:22:A:PRO:HA	12	1.08
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG21	6	1.08
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG22	6	1.08
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG23	6	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG21	7	1.08
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG22	7	1.08
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG23	7	1.08
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG21	8	1.08
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG22	8	1.08
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG23	8	1.08
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD21	15	1.08
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD22	15	1.08
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD23	15	1.08
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	7	1.08
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	7	1.08
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	7	1.08
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	7	1.08
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	7	1.08
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	7	1.08
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	14	1.08
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	14	1.08
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	14	1.08
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	14	1.08
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	14	1.08
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	14	1.08
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	14	1.08
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	14	1.08
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	14	1.08
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	14	1.08
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	14	1.08
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	14	1.08
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG21	5	1.08
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG22	5	1.08
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG23	5	1.08
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG21	5	1.08
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG22	5	1.08
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG23	5	1.08
(1,2324)	1:56:A:LEU:HB3	1:51:A:THR:H	14	1.08
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG21	11	1.08
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG22	11	1.08
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG23	11	1.08
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG21	5	1.08
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG22	5	1.08
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG23	5	1.08
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG21	8	1.08
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG22	8	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG23	8	1.08
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG21	9	1.08
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG22	9	1.08
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG23	9	1.08
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	12	1.08
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	12	1.08
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	12	1.08
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	12	1.08
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	12	1.08
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	12	1.08
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	2	1.08
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	2	1.08
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	2	1.08
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	12	1.08
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	12	1.08
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	12	1.08
(1,2251)	1:17:A:LEU:H	1:22:A:PRO:HA	12	1.08
(1,2232)	1:101:A:PRO:HA	1:102:A:LEU:HG	6	1.08
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB1	11	1.08
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB2	11	1.08
(1,2209)	1:97:A:VAL:HG21	1:98:A:ALA:HB3	11	1.08
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB1	11	1.08
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB2	11	1.08
(1,2209)	1:97:A:VAL:HG22	1:98:A:ALA:HB3	11	1.08
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB1	11	1.08
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB2	11	1.08
(1,2209)	1:97:A:VAL:HG23	1:98:A:ALA:HB3	11	1.08
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG11	4	1.08
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG12	4	1.08
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG13	4	1.08
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG21	4	1.08
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG22	4	1.08
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG23	4	1.08
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB2	6	1.08
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB3	6	1.08
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB1	5	1.08
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB2	5	1.08
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB3	5	1.08
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB1	5	1.08
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB2	5	1.08
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB3	5	1.08
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB1	8	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB2	8	1.08
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB3	8	1.08
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB1	8	1.08
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB2	8	1.08
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB3	8	1.08
(1,2127)	1:87:A:GLN:HE21	1:83:A:ASP:HB3	1	1.08
(1,2127)	1:87:A:GLN:HE21	1:83:A:ASP:HB3	6	1.08
(1,2093)	1:84:A:GLU:HB2	1:81:A:SER:HB3	13	1.08
(1,2093)	1:84:A:GLU:HB2	1:81:A:SER:HB3	15	1.08
(1,2071)	1:82:A:MET:H	1:83:A:ASP:HB2	3	1.08
(1,2071)	1:82:A:MET:H	1:83:A:ASP:HB2	15	1.08
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD2	8	1.08
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD3	8	1.08
(1,2042)	1:79:A:LYS:H	1:77:A:GLU:H	7	1.08
(1,1974)	1:71:A:LEU:H	1:72:A:THR:HB	5	1.08
(1,1974)	1:71:A:LEU:H	1:72:A:THR:HB	7	1.08
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG21	11	1.08
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG22	11	1.08
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG23	11	1.08
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG21	3	1.08
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG22	3	1.08
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG23	3	1.08
(1,1919)	1:65:A:LYS:H	1:62:A:SER:HA	1	1.08
(1,1919)	1:65:A:LYS:H	1:62:A:SER:HA	6	1.08
(1,1919)	1:65:A:LYS:H	1:62:A:SER:HA	11	1.08
(1,1919)	1:65:A:LYS:H	1:62:A:SER:HA	12	1.08
(1,1901)	1:63:A:LEU:H	1:62:A:SER:HB2	9	1.08
(1,1901)	1:63:A:LEU:H	1:62:A:SER:HB2	14	1.08
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD11	15	1.08
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD12	15	1.08
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD13	15	1.08
(1,1863)	1:55:A:LYS:HA	1:54:A:LEU:H	1	1.08
(1,1863)	1:55:A:LYS:HA	1:54:A:LEU:H	8	1.08
(1,1863)	1:55:A:LYS:HA	1:54:A:LEU:H	9	1.08
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB2	10	1.08
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB3	10	1.08
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG21	2	1.08
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG22	2	1.08
(1,1835)	1:48:A:ASN:HA	1:51:A:THR:HG23	2	1.08
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG21	9	1.08
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG22	9	1.08
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG23	9	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG21	11	1.08
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG22	11	1.08
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG23	11	1.08
(1,1800)	1:44:A:THR:H	1:40:A:ARG:HA	1	1.08
(1,1792)	1:43:A:ALA:H	1:40:A:ARG:HA	2	1.08
(1,1762)	1:36:A:ILE:H	1:33:A:ALA:HA	2	1.08
(1,1762)	1:36:A:ILE:H	1:33:A:ALA:HA	3	1.08
(1,1762)	1:36:A:ILE:H	1:33:A:ALA:HA	6	1.08
(1,1762)	1:36:A:ILE:H	1:33:A:ALA:HA	7	1.08
(1,1762)	1:36:A:ILE:H	1:33:A:ALA:HA	9	1.08
(1,1762)	1:36:A:ILE:H	1:33:A:ALA:HA	10	1.08
(1,1758)	1:35:A:TRP:H	1:37:A:ARG:H	3	1.08
(1,1758)	1:35:A:TRP:H	1:37:A:ARG:H	14	1.08
(1,1758)	1:35:A:TRP:H	1:37:A:ARG:H	15	1.08
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG21	11	1.08
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG22	11	1.08
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG23	11	1.08
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG21	12	1.08
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG22	12	1.08
(1,1739)	1:30:A:LYS:H	1:29:A:VAL:HG23	12	1.08
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD21	8	1.08
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD22	8	1.08
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD23	8	1.08
(1,1632)	1:12:A:VAL:HA	1:15:A:ILE:H	8	1.08
(1,1598)	1:6:A:PHE:HD1	1:9:A:LEU:HB3	7	1.08
(1,1598)	1:6:A:PHE:HD2	1:9:A:LEU:HB3	7	1.08
(1,1597)	1:6:A:PHE:HA	1:9:A:LEU:HB2	7	1.08
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD11	13	1.08
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD12	13	1.08
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD13	13	1.08
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD11	13	1.08
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD12	13	1.08
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD13	13	1.08
(1,1551)	1:2:A:PHE:HD1	1:3:A:ASP:H	8	1.08
(1,1551)	1:2:A:PHE:HD2	1:3:A:ASP:H	8	1.08
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB1	4	1.08
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB2	4	1.08
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB3	4	1.08
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB1	5	1.08
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB2	5	1.08
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB3	5	1.08
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB1	7	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB2	7	1.08
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB3	7	1.08
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB2	8	1.08
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB3	8	1.08
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG11	6	1.08
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG12	6	1.08
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG13	6	1.08
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG11	2	1.08
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG12	2	1.08
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG13	2	1.08
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG11	9	1.08
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG12	9	1.08
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG13	9	1.08
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG21	3	1.08
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG22	3	1.08
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG23	3	1.08
(1,1251)	1:9:A:LEU:HD11	1:11:A:LEU:H	1	1.08
(1,1251)	1:9:A:LEU:HD12	1:11:A:LEU:H	1	1.08
(1,1251)	1:9:A:LEU:HD13	1:11:A:LEU:H	1	1.08
(1,1251)	1:9:A:LEU:HD21	1:11:A:LEU:H	1	1.08
(1,1251)	1:9:A:LEU:HD22	1:11:A:LEU:H	1	1.08
(1,1251)	1:9:A:LEU:HD23	1:11:A:LEU:H	1	1.08
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG21	8	1.08
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG22	8	1.08
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG23	8	1.08
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG21	8	1.08
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG22	8	1.08
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG23	8	1.08
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG21	8	1.08
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG22	8	1.08
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG23	8	1.08
(1,897)	1:63:A:LEU:H	1:62:A:SER:HB3	6	1.08
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	6	1.07
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	6	1.07
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	6	1.07
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	6	1.07
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	6	1.07
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	6	1.07
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	6	1.07
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	6	1.07
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	6	1.07
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	8	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	8	1.07
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	8	1.07
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	8	1.07
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	8	1.07
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	8	1.07
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	8	1.07
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	8	1.07
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	8	1.07
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG21	5	1.07
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG22	5	1.07
(1,2846)	1:71:A:LEU:HG	1:72:A:THR:HG23	5	1.07
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB2	1	1.07
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB3	1	1.07
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB2	7	1.07
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB3	7	1.07
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD11	13	1.07
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD12	13	1.07
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD13	13	1.07
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD21	13	1.07
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD22	13	1.07
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD23	13	1.07
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	11	1.07
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	11	1.07
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	11	1.07
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	11	1.07
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	11	1.07
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	11	1.07
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	11	1.07
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	11	1.07
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	11	1.07
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	11	1.07
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	11	1.07
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	11	1.07
(1,2830)	1:57:A:GLN:HE21	1:55:A:LYS:HA	3	1.07
(1,2830)	1:57:A:GLN:HE21	1:55:A:LYS:HA	5	1.07
(1,2830)	1:57:A:GLN:HE21	1:55:A:LYS:HA	6	1.07
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	8	1.07
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	8	1.07
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	8	1.07
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	8	1.07
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	8	1.07
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	8	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG21	4	1.07
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG22	4	1.07
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG23	4	1.07
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG21	4	1.07
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG22	4	1.07
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG23	4	1.07
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG21	9	1.07
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG22	9	1.07
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG23	9	1.07
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG21	9	1.07
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG22	9	1.07
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG23	9	1.07
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG21	13	1.07
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG22	13	1.07
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG23	13	1.07
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG21	13	1.07
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG22	13	1.07
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG23	13	1.07
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	2	1.07
(1,2824)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	2	1.07
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	2	1.07
(1,2824)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	2	1.07
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG2	12	1.07
(1,2817)	1:55:A:LYS:H	1:52:A:GLN:HG3	12	1.07
(1,2801)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	2	1.07
(1,2801)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	2	1.07
(1,2801)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	2	1.07
(1,2801)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	3	1.07
(1,2801)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	3	1.07
(1,2801)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	3	1.07
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG21	10	1.07
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG22	10	1.07
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG23	10	1.07
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG21	2	1.07
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG22	2	1.07
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG23	2	1.07
(1,2779)	1:45:A:THR:HA	1:50:A:LEU:H	10	1.07
(1,2752)	1:20:A:LEU:HD11	1:24:A:ARG:H	1	1.07
(1,2752)	1:20:A:LEU:HD12	1:24:A:ARG:H	1	1.07
(1,2752)	1:20:A:LEU:HD13	1:24:A:ARG:H	1	1.07
(1,2752)	1:20:A:LEU:HD11	1:24:A:ARG:H	9	1.07
(1,2752)	1:20:A:LEU:HD12	1:24:A:ARG:H	9	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2752)	1:20:A:LEU:HD13	1:24:A:ARG:H	9	1.07
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	6	1.07
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	6	1.07
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	6	1.07
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	6	1.07
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	6	1.07
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	6	1.07
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	6	1.07
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	6	1.07
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	6	1.07
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	8	1.07
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	8	1.07
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	8	1.07
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	8	1.07
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	8	1.07
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	8	1.07
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	8	1.07
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	8	1.07
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	8	1.07
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG21	5	1.07
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG22	5	1.07
(1,2722)	1:71:A:LEU:HG	1:72:A:THR:HG23	5	1.07
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB2	1	1.07
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB3	1	1.07
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB2	7	1.07
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB3	7	1.07
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD11	13	1.07
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD12	13	1.07
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD13	13	1.07
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD21	13	1.07
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD22	13	1.07
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD23	13	1.07
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	11	1.07
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	11	1.07
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	11	1.07
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	11	1.07
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	11	1.07
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	11	1.07
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	11	1.07
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	11	1.07
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	11	1.07
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	11	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	11	1.07
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	11	1.07
(1,2706)	1:57:A:GLN:HE21	1:55:A:LYS:HA	3	1.07
(1,2706)	1:57:A:GLN:HE21	1:55:A:LYS:HA	5	1.07
(1,2706)	1:57:A:GLN:HE21	1:55:A:LYS:HA	6	1.07
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	8	1.07
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	8	1.07
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	8	1.07
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	8	1.07
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	8	1.07
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	8	1.07
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG21	4	1.07
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG22	4	1.07
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG23	4	1.07
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG21	4	1.07
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG22	4	1.07
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG23	4	1.07
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG21	9	1.07
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG22	9	1.07
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG23	9	1.07
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG21	9	1.07
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG22	9	1.07
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG23	9	1.07
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG21	13	1.07
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG22	13	1.07
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG23	13	1.07
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG21	13	1.07
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG22	13	1.07
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG23	13	1.07
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	2	1.07
(1,2700)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	2	1.07
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	2	1.07
(1,2700)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	2	1.07
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG2	12	1.07
(1,2693)	1:55:A:LYS:H	1:52:A:GLN:HG3	12	1.07
(1,2677)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	2	1.07
(1,2677)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	2	1.07
(1,2677)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	2	1.07
(1,2677)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	3	1.07
(1,2677)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	3	1.07
(1,2677)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	3	1.07
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG21	10	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG22	10	1.07
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG23	10	1.07
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG21	2	1.07
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG22	2	1.07
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG23	2	1.07
(1,2655)	1:45:A:THR:HA	1:50:A:LEU:H	10	1.07
(1,2628)	1:20:A:LEU:HD11	1:24:A:ARG:H	1	1.07
(1,2628)	1:20:A:LEU:HD12	1:24:A:ARG:H	1	1.07
(1,2628)	1:20:A:LEU:HD13	1:24:A:ARG:H	1	1.07
(1,2628)	1:20:A:LEU:HD11	1:24:A:ARG:H	9	1.07
(1,2628)	1:20:A:LEU:HD12	1:24:A:ARG:H	9	1.07
(1,2628)	1:20:A:LEU:HD13	1:24:A:ARG:H	9	1.07
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	6	1.07
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	6	1.07
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	6	1.07
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	6	1.07
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	6	1.07
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	6	1.07
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	6	1.07
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	6	1.07
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	6	1.07
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	8	1.07
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	8	1.07
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	8	1.07
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	8	1.07
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	8	1.07
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	8	1.07
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	8	1.07
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	8	1.07
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	8	1.07
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG21	5	1.07
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG22	5	1.07
(1,2598)	1:71:A:LEU:HG	1:72:A:THR:HG23	5	1.07
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB2	1	1.07
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB3	1	1.07
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB2	7	1.07
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB3	7	1.07
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD11	13	1.07
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD12	13	1.07
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD13	13	1.07
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD21	13	1.07
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD22	13	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD23	13	1.07
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	11	1.07
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	11	1.07
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	11	1.07
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	11	1.07
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	11	1.07
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	11	1.07
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	11	1.07
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	11	1.07
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	11	1.07
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	11	1.07
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	11	1.07
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	11	1.07
(1,2582)	1:57:A:GLN:HE21	1:55:A:LYS:HA	3	1.07
(1,2582)	1:57:A:GLN:HE21	1:55:A:LYS:HA	5	1.07
(1,2582)	1:57:A:GLN:HE21	1:55:A:LYS:HA	6	1.07
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	8	1.07
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	8	1.07
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	8	1.07
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	8	1.07
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	8	1.07
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	8	1.07
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG21	4	1.07
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG22	4	1.07
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG23	4	1.07
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG21	4	1.07
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG22	4	1.07
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG23	4	1.07
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG21	9	1.07
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG22	9	1.07
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG23	9	1.07
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG21	9	1.07
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG22	9	1.07
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG23	9	1.07
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG21	13	1.07
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG22	13	1.07
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG23	13	1.07
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG21	13	1.07
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG22	13	1.07
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG23	13	1.07
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	2	1.07
(1,2576)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	2	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	2	1.07
(1,2576)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	2	1.07
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG2	12	1.07
(1,2569)	1:55:A:LYS:H	1:52:A:GLN:HG3	12	1.07
(1,2553)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	2	1.07
(1,2553)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	2	1.07
(1,2553)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	2	1.07
(1,2553)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	3	1.07
(1,2553)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	3	1.07
(1,2553)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	3	1.07
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG21	10	1.07
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG22	10	1.07
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG23	10	1.07
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG21	2	1.07
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG22	2	1.07
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG23	2	1.07
(1,2531)	1:45:A:THR:HA	1:50:A:LEU:H	10	1.07
(1,2504)	1:20:A:LEU:HD11	1:24:A:ARG:H	1	1.07
(1,2504)	1:20:A:LEU:HD12	1:24:A:ARG:H	1	1.07
(1,2504)	1:20:A:LEU:HD13	1:24:A:ARG:H	1	1.07
(1,2504)	1:20:A:LEU:HD11	1:24:A:ARG:H	9	1.07
(1,2504)	1:20:A:LEU:HD12	1:24:A:ARG:H	9	1.07
(1,2504)	1:20:A:LEU:HD13	1:24:A:ARG:H	9	1.07
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	6	1.07
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	6	1.07
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	6	1.07
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	6	1.07
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	6	1.07
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	6	1.07
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	6	1.07
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	6	1.07
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	6	1.07
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	8	1.07
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	8	1.07
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	8	1.07
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	8	1.07
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	8	1.07
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	8	1.07
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	8	1.07
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	8	1.07
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	8	1.07
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG21	5	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG22	5	1.07
(1,2474)	1:71:A:LEU:HG	1:72:A:THR:HG23	5	1.07
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB2	1	1.07
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB3	1	1.07
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB2	7	1.07
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB3	7	1.07
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD11	13	1.07
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD12	13	1.07
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD13	13	1.07
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD21	13	1.07
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD22	13	1.07
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD23	13	1.07
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	11	1.07
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	11	1.07
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	11	1.07
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	11	1.07
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	11	1.07
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	11	1.07
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	11	1.07
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	11	1.07
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	11	1.07
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	11	1.07
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	11	1.07
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	11	1.07
(1,2458)	1:57:A:GLN:HE21	1:55:A:LYS:HA	3	1.07
(1,2458)	1:57:A:GLN:HE21	1:55:A:LYS:HA	5	1.07
(1,2458)	1:57:A:GLN:HE21	1:55:A:LYS:HA	6	1.07
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	8	1.07
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	8	1.07
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	8	1.07
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	8	1.07
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	8	1.07
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	8	1.07
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG21	4	1.07
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG22	4	1.07
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG23	4	1.07
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG21	4	1.07
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG22	4	1.07
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG23	4	1.07
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG21	9	1.07
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG22	9	1.07
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG23	9	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG21	9	1.07
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG22	9	1.07
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG23	9	1.07
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG21	13	1.07
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG22	13	1.07
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG23	13	1.07
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG21	13	1.07
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG22	13	1.07
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG23	13	1.07
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	2	1.07
(1,2452)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	2	1.07
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	2	1.07
(1,2452)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	2	1.07
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG2	12	1.07
(1,2445)	1:55:A:LYS:H	1:52:A:GLN:HG3	12	1.07
(1,2429)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	2	1.07
(1,2429)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	2	1.07
(1,2429)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	2	1.07
(1,2429)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	3	1.07
(1,2429)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	3	1.07
(1,2429)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	3	1.07
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG21	10	1.07
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG22	10	1.07
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG23	10	1.07
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG21	2	1.07
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG22	2	1.07
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG23	2	1.07
(1,2407)	1:45:A:THR:HA	1:50:A:LEU:H	10	1.07
(1,2380)	1:20:A:LEU:HD11	1:24:A:ARG:H	1	1.07
(1,2380)	1:20:A:LEU:HD12	1:24:A:ARG:H	1	1.07
(1,2380)	1:20:A:LEU:HD13	1:24:A:ARG:H	1	1.07
(1,2380)	1:20:A:LEU:HD11	1:24:A:ARG:H	9	1.07
(1,2380)	1:20:A:LEU:HD12	1:24:A:ARG:H	9	1.07
(1,2380)	1:20:A:LEU:HD13	1:24:A:ARG:H	9	1.07
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	6	1.07
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	6	1.07
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	6	1.07
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	6	1.07
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	6	1.07
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	6	1.07
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	6	1.07
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	6	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	6	1.07
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	8	1.07
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	8	1.07
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	8	1.07
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	8	1.07
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	8	1.07
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	8	1.07
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	8	1.07
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	8	1.07
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	8	1.07
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG21	5	1.07
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG22	5	1.07
(1,2350)	1:71:A:LEU:HG	1:72:A:THR:HG23	5	1.07
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB2	1	1.07
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB3	1	1.07
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB2	7	1.07
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB3	7	1.07
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD11	13	1.07
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD12	13	1.07
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD13	13	1.07
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD21	13	1.07
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD22	13	1.07
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD23	13	1.07
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	11	1.07
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	11	1.07
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	11	1.07
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	11	1.07
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	11	1.07
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	11	1.07
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	11	1.07
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	11	1.07
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	11	1.07
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	11	1.07
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	11	1.07
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	11	1.07
(1,2334)	1:57:A:GLN:HE21	1:55:A:LYS:HA	3	1.07
(1,2334)	1:57:A:GLN:HE21	1:55:A:LYS:HA	5	1.07
(1,2334)	1:57:A:GLN:HE21	1:55:A:LYS:HA	6	1.07
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	8	1.07
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	8	1.07
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	8	1.07
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	8	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	8	1.07
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	8	1.07
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG21	4	1.07
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG22	4	1.07
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG23	4	1.07
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG21	4	1.07
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG22	4	1.07
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG23	4	1.07
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG21	9	1.07
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG22	9	1.07
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG23	9	1.07
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG21	9	1.07
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG22	9	1.07
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG23	9	1.07
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG21	13	1.07
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG22	13	1.07
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG23	13	1.07
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG21	13	1.07
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG22	13	1.07
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG23	13	1.07
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	2	1.07
(1,2328)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	2	1.07
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	2	1.07
(1,2328)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	2	1.07
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG2	12	1.07
(1,2321)	1:55:A:LYS:H	1:52:A:GLN:HG3	12	1.07
(1,2305)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	2	1.07
(1,2305)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	2	1.07
(1,2305)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	2	1.07
(1,2305)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	3	1.07
(1,2305)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	3	1.07
(1,2305)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	3	1.07
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG21	10	1.07
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG22	10	1.07
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG23	10	1.07
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG21	2	1.07
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG22	2	1.07
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG23	2	1.07
(1,2283)	1:45:A:THR:HA	1:50:A:LEU:H	10	1.07
(1,2256)	1:20:A:LEU:HD11	1:24:A:ARG:H	1	1.07
(1,2256)	1:20:A:LEU:HD12	1:24:A:ARG:H	1	1.07
(1,2256)	1:20:A:LEU:HD13	1:24:A:ARG:H	1	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2256)	1:20:A:LEU:HD11	1:24:A:ARG:H	9	1.07
(1,2256)	1:20:A:LEU:HD12	1:24:A:ARG:H	9	1.07
(1,2256)	1:20:A:LEU:HD13	1:24:A:ARG:H	9	1.07
(1,2212)	1:98:A:ALA:HA	1:97:A:VAL:HB	5	1.07
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB1	3	1.07
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB2	3	1.07
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB3	3	1.07
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB1	3	1.07
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB2	3	1.07
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB3	3	1.07
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB1	12	1.07
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB2	12	1.07
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB3	12	1.07
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB1	12	1.07
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB2	12	1.07
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB3	12	1.07
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE1	3	1.07
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE2	3	1.07
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE3	3	1.07
(1,2127)	1:87:A:GLN:HE21	1:83:A:ASP:HB3	8	1.07
(1,2120)	1:86:A:ARG:HA	1:87:A:GLN:H	14	1.07
(1,2071)	1:82:A:MET:H	1:83:A:ASP:HB2	9	1.07
(1,2071)	1:82:A:MET:H	1:83:A:ASP:HB2	10	1.07
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD11	6	1.07
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD12	6	1.07
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD13	6	1.07
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD21	6	1.07
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD22	6	1.07
(1,2044)	1:79:A:LYS:H	1:78:A:LEU:HD23	6	1.07
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB1	8	1.07
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB2	8	1.07
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB3	8	1.07
(1,1990)	1:73:A:ASN:H	1:72:A:THR:HA	3	1.07
(1,1990)	1:73:A:ASN:H	1:72:A:THR:HA	4	1.07
(1,1990)	1:73:A:ASN:H	1:72:A:THR:HA	9	1.07
(1,1990)	1:73:A:ASN:H	1:72:A:THR:HA	14	1.07
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD21	13	1.07
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD22	13	1.07
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD23	13	1.07
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG21	11	1.07
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG22	11	1.07
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG23	11	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1863)	1:55:A:LYS:HA	1:54:A:LEU:H	4	1.07
(1,1863)	1:55:A:LYS:HA	1:54:A:LEU:H	5	1.07
(1,1863)	1:55:A:LYS:HA	1:54:A:LEU:H	7	1.07
(1,1863)	1:55:A:LYS:HA	1:54:A:LEU:H	12	1.07
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG21	13	1.07
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG22	13	1.07
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG23	13	1.07
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG21	13	1.07
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG22	13	1.07
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG23	13	1.07
(1,1836)	1:48:A:ASN:HA	1:52:A:GLN:HE21	10	1.07
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG21	5	1.07
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG22	5	1.07
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG23	5	1.07
(1,1816)	1:45:A:THR:H	1:48:A:ASN:H	6	1.07
(1,1815)	1:45:A:THR:HA	1:48:A:ASN:H	2	1.07
(1,1805)	1:45:A:THR:H	1:42:A:LEU:HA	1	1.07
(1,1805)	1:45:A:THR:H	1:42:A:LEU:HA	13	1.07
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG21	11	1.07
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG22	11	1.07
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG23	11	1.07
(1,1762)	1:36:A:ILE:H	1:33:A:ALA:HA	1	1.07
(1,1732)	1:29:A:VAL:HA	1:30:A:LYS:H	2	1.07
(1,1732)	1:29:A:VAL:HA	1:30:A:LYS:H	3	1.07
(1,1732)	1:29:A:VAL:HA	1:30:A:LYS:H	4	1.07
(1,1732)	1:29:A:VAL:HA	1:30:A:LYS:H	5	1.07
(1,1732)	1:29:A:VAL:HA	1:30:A:LYS:H	6	1.07
(1,1732)	1:29:A:VAL:HA	1:30:A:LYS:H	7	1.07
(1,1732)	1:29:A:VAL:HA	1:30:A:LYS:H	8	1.07
(1,1732)	1:29:A:VAL:HA	1:30:A:LYS:H	9	1.07
(1,1732)	1:29:A:VAL:HA	1:30:A:LYS:H	10	1.07
(1,1732)	1:29:A:VAL:HA	1:30:A:LYS:H	11	1.07
(1,1732)	1:29:A:VAL:HA	1:30:A:LYS:H	12	1.07
(1,1732)	1:29:A:VAL:HA	1:30:A:LYS:H	13	1.07
(1,1732)	1:29:A:VAL:HA	1:30:A:LYS:H	14	1.07
(1,1732)	1:29:A:VAL:HA	1:30:A:LYS:H	15	1.07
(1,1701)	1:22:A:PRO:HD2	1:21:A:GLY:H	12	1.07
(1,1701)	1:22:A:PRO:HD3	1:21:A:GLY:H	12	1.07
(1,1662)	1:15:A:ILE:HG13	1:12:A:VAL:HA	12	1.07
(1,1632)	1:12:A:VAL:HA	1:15:A:ILE:H	3	1.07
(1,1627)	1:11:A:LEU:HA	1:12:A:VAL:H	1	1.07
(1,1627)	1:11:A:LEU:HA	1:12:A:VAL:H	2	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1627)	1:11:A:LEU:HA	1:12:A:VAL:H	3	1.07
(1,1627)	1:11:A:LEU:HA	1:12:A:VAL:H	4	1.07
(1,1627)	1:11:A:LEU:HA	1:12:A:VAL:H	5	1.07
(1,1627)	1:11:A:LEU:HA	1:12:A:VAL:H	6	1.07
(1,1627)	1:11:A:LEU:HA	1:12:A:VAL:H	7	1.07
(1,1627)	1:11:A:LEU:HA	1:12:A:VAL:H	8	1.07
(1,1627)	1:11:A:LEU:HA	1:12:A:VAL:H	9	1.07
(1,1627)	1:11:A:LEU:HA	1:12:A:VAL:H	10	1.07
(1,1627)	1:11:A:LEU:HA	1:12:A:VAL:H	11	1.07
(1,1627)	1:11:A:LEU:HA	1:12:A:VAL:H	12	1.07
(1,1627)	1:11:A:LEU:HA	1:12:A:VAL:H	14	1.07
(1,1627)	1:11:A:LEU:HA	1:12:A:VAL:H	15	1.07
(1,1622)	1:10:A:LEU:HA	1:11:A:LEU:H	1	1.07
(1,1622)	1:10:A:LEU:HA	1:11:A:LEU:H	2	1.07
(1,1622)	1:10:A:LEU:HA	1:11:A:LEU:H	4	1.07
(1,1622)	1:10:A:LEU:HA	1:11:A:LEU:H	7	1.07
(1,1622)	1:10:A:LEU:HA	1:11:A:LEU:H	8	1.07
(1,1622)	1:10:A:LEU:HA	1:11:A:LEU:H	9	1.07
(1,1622)	1:10:A:LEU:HA	1:11:A:LEU:H	10	1.07
(1,1622)	1:10:A:LEU:HA	1:11:A:LEU:H	14	1.07
(1,1575)	1:4:A:ILE:HG13	1:3:A:ASP:HA	7	1.07
(1,1575)	1:4:A:ILE:HG12	1:3:A:ASP:HA	7	1.07
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB1	9	1.07
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB2	9	1.07
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB3	9	1.07
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB2	7	1.07
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB3	7	1.07
(1,1471)	1:73:A:ASN:H	1:74:A:LEU:HA	4	1.07
(1,1471)	1:73:A:ASN:H	1:74:A:LEU:HA	14	1.07
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD11	11	1.07
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD12	11	1.07
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD13	11	1.07
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG11	7	1.07
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG12	7	1.07
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG13	7	1.07
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG21	7	1.07
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG22	7	1.07
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG23	7	1.07
(1,1403)	1:45:A:THR:HB	1:41:A:SER:HA	7	1.07
(1,1397)	1:44:A:THR:HG21	1:43:A:ALA:HB1	5	1.07
(1,1397)	1:44:A:THR:HG21	1:43:A:ALA:HB2	5	1.07
(1,1397)	1:44:A:THR:HG21	1:43:A:ALA:HB3	5	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:44:A:THR:HG22	1:43:A:ALA:HB1	5	1.07
(1,1397)	1:44:A:THR:HG22	1:43:A:ALA:HB2	5	1.07
(1,1397)	1:44:A:THR:HG22	1:43:A:ALA:HB3	5	1.07
(1,1397)	1:44:A:THR:HG23	1:43:A:ALA:HB1	5	1.07
(1,1397)	1:44:A:THR:HG23	1:43:A:ALA:HB2	5	1.07
(1,1397)	1:44:A:THR:HG23	1:43:A:ALA:HB3	5	1.07
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB3	2	1.07
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB3	2	1.07
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB3	2	1.07
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB3	2	1.07
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB3	2	1.07
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB3	2	1.07
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB2	2	1.07
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB2	2	1.07
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB2	2	1.07
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB2	2	1.07
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB2	2	1.07
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB2	2	1.07
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB3	11	1.07
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB3	11	1.07
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB3	11	1.07
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB3	11	1.07
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB3	11	1.07
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB3	11	1.07
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB2	11	1.07
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB2	11	1.07
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB2	11	1.07
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB2	11	1.07
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB2	11	1.07
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB2	11	1.07
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG21	4	1.07
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG22	4	1.07
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG23	4	1.07
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG11	3	1.07
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG12	3	1.07
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG13	3	1.07
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG11	6	1.07
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG12	6	1.07
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG13	6	1.07
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG11	11	1.07
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG12	11	1.07
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG13	11	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD11	12	1.07
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD12	12	1.07
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD13	12	1.07
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD21	12	1.07
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD22	12	1.07
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD23	12	1.07
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG21	12	1.07
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG22	12	1.07
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG23	12	1.07
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG21	11	1.07
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG22	11	1.07
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG23	11	1.07
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD11	12	1.07
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD12	12	1.07
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD13	12	1.07
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD11	13	1.07
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD12	13	1.07
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD13	13	1.07
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB2	4	1.07
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB3	4	1.07
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB2	10	1.07
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB3	10	1.07
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD11	13	1.07
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD12	13	1.07
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD13	13	1.07
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD21	13	1.07
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD22	13	1.07
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD23	13	1.07
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD11	13	1.07
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD12	13	1.07
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD13	13	1.07
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD21	13	1.07
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD22	13	1.07
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD23	13	1.07
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD11	7	1.06
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD12	7	1.06
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD13	7	1.06
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD21	7	1.06
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD22	7	1.06
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD23	7	1.06
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD11	8	1.06
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD12	8	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD13	8	1.06
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB2	9	1.06
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB3	9	1.06
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB2	10	1.06
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB3	10	1.06
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB2	13	1.06
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB3	13	1.06
(1,2830)	1:57:A:GLN:HE21	1:55:A:LYS:HA	4	1.06
(1,2830)	1:57:A:GLN:HE21	1:55:A:LYS:HA	7	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	4	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	4	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	4	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	4	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	4	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	4	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	5	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	5	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	5	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	5	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	5	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	5	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	9	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	9	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	9	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	9	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	9	1.06
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	9	1.06
(1,2826)	1:57:A:GLN:H	1:54:A:LEU:HA	8	1.06
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG21	1	1.06
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG22	1	1.06
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG23	1	1.06
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG21	1	1.06
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG22	1	1.06
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG23	1	1.06
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG21	8	1.06
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG22	8	1.06
(1,2825)	1:57:A:GLN:HE21	1:51:A:THR:HG23	8	1.06
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG21	8	1.06
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG22	8	1.06
(1,2825)	1:57:A:GLN:HE22	1:51:A:THR:HG23	8	1.06
(1,2801)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	4	1.06
(1,2801)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	4	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2801)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	4	1.06
(1,2801)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	8	1.06
(1,2801)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	8	1.06
(1,2801)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	8	1.06
(1,2801)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	9	1.06
(1,2801)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	9	1.06
(1,2801)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	9	1.06
(1,2779)	1:45:A:THR:HA	1:50:A:LEU:H	8	1.06
(1,2779)	1:45:A:THR:HA	1:50:A:LEU:H	9	1.06
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	1	1.06
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	1	1.06
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	1	1.06
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	9	1.06
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	9	1.06
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	9	1.06
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	13	1.06
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	13	1.06
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	13	1.06
(1,2752)	1:20:A:LEU:HD11	1:24:A:ARG:H	3	1.06
(1,2752)	1:20:A:LEU:HD12	1:24:A:ARG:H	3	1.06
(1,2752)	1:20:A:LEU:HD13	1:24:A:ARG:H	3	1.06
(1,2752)	1:20:A:LEU:HD11	1:24:A:ARG:H	4	1.06
(1,2752)	1:20:A:LEU:HD12	1:24:A:ARG:H	4	1.06
(1,2752)	1:20:A:LEU:HD13	1:24:A:ARG:H	4	1.06
(1,2752)	1:20:A:LEU:HD11	1:24:A:ARG:H	5	1.06
(1,2752)	1:20:A:LEU:HD12	1:24:A:ARG:H	5	1.06
(1,2752)	1:20:A:LEU:HD13	1:24:A:ARG:H	5	1.06
(1,2752)	1:20:A:LEU:HD11	1:24:A:ARG:H	6	1.06
(1,2752)	1:20:A:LEU:HD12	1:24:A:ARG:H	6	1.06
(1,2752)	1:20:A:LEU:HD13	1:24:A:ARG:H	6	1.06
(1,2752)	1:20:A:LEU:HD11	1:24:A:ARG:H	7	1.06
(1,2752)	1:20:A:LEU:HD12	1:24:A:ARG:H	7	1.06
(1,2752)	1:20:A:LEU:HD13	1:24:A:ARG:H	7	1.06
(1,2752)	1:20:A:LEU:HD11	1:24:A:ARG:H	8	1.06
(1,2752)	1:20:A:LEU:HD12	1:24:A:ARG:H	8	1.06
(1,2752)	1:20:A:LEU:HD13	1:24:A:ARG:H	8	1.06
(1,2752)	1:20:A:LEU:HD11	1:24:A:ARG:H	10	1.06
(1,2752)	1:20:A:LEU:HD12	1:24:A:ARG:H	10	1.06
(1,2752)	1:20:A:LEU:HD13	1:24:A:ARG:H	10	1.06
(1,2752)	1:20:A:LEU:HD11	1:24:A:ARG:H	11	1.06
(1,2752)	1:20:A:LEU:HD12	1:24:A:ARG:H	11	1.06
(1,2752)	1:20:A:LEU:HD13	1:24:A:ARG:H	11	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2752)	1:20:A:LEU:HD11	1:24:A:ARG:H	14	1.06
(1,2752)	1:20:A:LEU:HD12	1:24:A:ARG:H	14	1.06
(1,2752)	1:20:A:LEU:HD13	1:24:A:ARG:H	14	1.06
(1,2752)	1:20:A:LEU:HD11	1:24:A:ARG:H	15	1.06
(1,2752)	1:20:A:LEU:HD12	1:24:A:ARG:H	15	1.06
(1,2752)	1:20:A:LEU:HD13	1:24:A:ARG:H	15	1.06
(1,2748)	1:17:A:LEU:HA	1:24:A:ARG:HE	13	1.06
(1,2747)	1:17:A:LEU:H	1:22:A:PRO:HA	2	1.06
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD11	8	1.06
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD12	8	1.06
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD13	8	1.06
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB2	9	1.06
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB3	9	1.06
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB2	10	1.06
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB3	10	1.06
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB2	13	1.06
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB3	13	1.06
(1,2706)	1:57:A:GLN:HE21	1:55:A:LYS:HA	4	1.06
(1,2706)	1:57:A:GLN:HE21	1:55:A:LYS:HA	7	1.06
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	4	1.06
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	4	1.06
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	4	1.06
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	4	1.06
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	4	1.06
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	4	1.06
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	5	1.06
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	5	1.06
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	5	1.06
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	5	1.06
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	5	1.06
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	5	1.06
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	9	1.06
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	9	1.06
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	9	1.06
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	9	1.06
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	9	1.06
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	9	1.06
(1,2702)	1:57:A:GLN:H	1:54:A:LEU:HA	8	1.06
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG21	1	1.06
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG22	1	1.06
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG23	1	1.06
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG21	1	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG22	1	1.06
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG23	1	1.06
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG21	8	1.06
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG22	8	1.06
(1,2701)	1:57:A:GLN:HE21	1:51:A:THR:HG23	8	1.06
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG21	8	1.06
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG22	8	1.06
(1,2701)	1:57:A:GLN:HE22	1:51:A:THR:HG23	8	1.06
(1,2677)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	4	1.06
(1,2677)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	4	1.06
(1,2677)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	4	1.06
(1,2677)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	8	1.06
(1,2677)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	8	1.06
(1,2677)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	8	1.06
(1,2677)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	9	1.06
(1,2677)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	9	1.06
(1,2677)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	9	1.06
(1,2655)	1:45:A:THR:HA	1:50:A:LEU:H	8	1.06
(1,2655)	1:45:A:THR:HA	1:50:A:LEU:H	9	1.06
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	1	1.06
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	1	1.06
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	1	1.06
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	9	1.06
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	9	1.06
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	9	1.06
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	13	1.06
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	13	1.06
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	13	1.06
(1,2628)	1:20:A:LEU:HD11	1:24:A:ARG:H	3	1.06
(1,2628)	1:20:A:LEU:HD12	1:24:A:ARG:H	3	1.06
(1,2628)	1:20:A:LEU:HD13	1:24:A:ARG:H	3	1.06
(1,2628)	1:20:A:LEU:HD11	1:24:A:ARG:H	4	1.06
(1,2628)	1:20:A:LEU:HD12	1:24:A:ARG:H	4	1.06
(1,2628)	1:20:A:LEU:HD13	1:24:A:ARG:H	4	1.06
(1,2628)	1:20:A:LEU:HD11	1:24:A:ARG:H	5	1.06
(1,2628)	1:20:A:LEU:HD12	1:24:A:ARG:H	5	1.06
(1,2628)	1:20:A:LEU:HD13	1:24:A:ARG:H	5	1.06
(1,2628)	1:20:A:LEU:HD11	1:24:A:ARG:H	6	1.06
(1,2628)	1:20:A:LEU:HD12	1:24:A:ARG:H	6	1.06
(1,2628)	1:20:A:LEU:HD13	1:24:A:ARG:H	6	1.06
(1,2628)	1:20:A:LEU:HD11	1:24:A:ARG:H	7	1.06
(1,2628)	1:20:A:LEU:HD12	1:24:A:ARG:H	7	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2628)	1:20:A:LEU:HD13	1:24:A:ARG:H	7	1.06
(1,2628)	1:20:A:LEU:HD11	1:24:A:ARG:H	8	1.06
(1,2628)	1:20:A:LEU:HD12	1:24:A:ARG:H	8	1.06
(1,2628)	1:20:A:LEU:HD13	1:24:A:ARG:H	8	1.06
(1,2628)	1:20:A:LEU:HD11	1:24:A:ARG:H	10	1.06
(1,2628)	1:20:A:LEU:HD12	1:24:A:ARG:H	10	1.06
(1,2628)	1:20:A:LEU:HD13	1:24:A:ARG:H	10	1.06
(1,2628)	1:20:A:LEU:HD11	1:24:A:ARG:H	11	1.06
(1,2628)	1:20:A:LEU:HD12	1:24:A:ARG:H	11	1.06
(1,2628)	1:20:A:LEU:HD13	1:24:A:ARG:H	11	1.06
(1,2628)	1:20:A:LEU:HD11	1:24:A:ARG:H	14	1.06
(1,2628)	1:20:A:LEU:HD12	1:24:A:ARG:H	14	1.06
(1,2628)	1:20:A:LEU:HD13	1:24:A:ARG:H	14	1.06
(1,2628)	1:20:A:LEU:HD11	1:24:A:ARG:H	15	1.06
(1,2628)	1:20:A:LEU:HD12	1:24:A:ARG:H	15	1.06
(1,2628)	1:20:A:LEU:HD13	1:24:A:ARG:H	15	1.06
(1,2624)	1:17:A:LEU:HA	1:24:A:ARG:HE	13	1.06
(1,2623)	1:17:A:LEU:H	1:22:A:PRO:HA	2	1.06
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD11	8	1.06
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD12	8	1.06
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD13	8	1.06
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB2	9	1.06
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB3	9	1.06
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB2	10	1.06
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB3	10	1.06
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB2	13	1.06
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB3	13	1.06
(1,2582)	1:57:A:GLN:HE21	1:55:A:LYS:HA	4	1.06
(1,2582)	1:57:A:GLN:HE21	1:55:A:LYS:HA	7	1.06
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	4	1.06
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	4	1.06
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	4	1.06
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	4	1.06
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	4	1.06
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	4	1.06
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	5	1.06
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	5	1.06
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	5	1.06
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	5	1.06
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	5	1.06
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	5	1.06
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	9	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	9	1.06
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	9	1.06
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	9	1.06
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	9	1.06
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	9	1.06
(1,2578)	1:57:A:GLN:H	1:54:A:LEU:HA	8	1.06
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG21	1	1.06
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG22	1	1.06
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG23	1	1.06
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG21	1	1.06
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG22	1	1.06
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG23	1	1.06
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG21	8	1.06
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG22	8	1.06
(1,2577)	1:57:A:GLN:HE21	1:51:A:THR:HG23	8	1.06
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG21	8	1.06
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG22	8	1.06
(1,2577)	1:57:A:GLN:HE22	1:51:A:THR:HG23	8	1.06
(1,2553)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	4	1.06
(1,2553)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	4	1.06
(1,2553)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	4	1.06
(1,2553)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	8	1.06
(1,2553)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	8	1.06
(1,2553)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	8	1.06
(1,2553)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	9	1.06
(1,2553)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	9	1.06
(1,2553)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	9	1.06
(1,2531)	1:45:A:THR:HA	1:50:A:LEU:H	8	1.06
(1,2531)	1:45:A:THR:HA	1:50:A:LEU:H	9	1.06
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	1	1.06
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	1	1.06
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	1	1.06
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	9	1.06
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	9	1.06
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	9	1.06
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	13	1.06
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	13	1.06
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	13	1.06
(1,2504)	1:20:A:LEU:HD11	1:24:A:ARG:H	3	1.06
(1,2504)	1:20:A:LEU:HD12	1:24:A:ARG:H	3	1.06
(1,2504)	1:20:A:LEU:HD13	1:24:A:ARG:H	3	1.06
(1,2504)	1:20:A:LEU:HD11	1:24:A:ARG:H	4	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2504)	1:20:A:LEU:HD12	1:24:A:ARG:H	4	1.06
(1,2504)	1:20:A:LEU:HD13	1:24:A:ARG:H	4	1.06
(1,2504)	1:20:A:LEU:HD11	1:24:A:ARG:H	5	1.06
(1,2504)	1:20:A:LEU:HD12	1:24:A:ARG:H	5	1.06
(1,2504)	1:20:A:LEU:HD13	1:24:A:ARG:H	5	1.06
(1,2504)	1:20:A:LEU:HD11	1:24:A:ARG:H	6	1.06
(1,2504)	1:20:A:LEU:HD12	1:24:A:ARG:H	6	1.06
(1,2504)	1:20:A:LEU:HD13	1:24:A:ARG:H	6	1.06
(1,2504)	1:20:A:LEU:HD11	1:24:A:ARG:H	7	1.06
(1,2504)	1:20:A:LEU:HD12	1:24:A:ARG:H	7	1.06
(1,2504)	1:20:A:LEU:HD13	1:24:A:ARG:H	7	1.06
(1,2504)	1:20:A:LEU:HD11	1:24:A:ARG:H	8	1.06
(1,2504)	1:20:A:LEU:HD12	1:24:A:ARG:H	8	1.06
(1,2504)	1:20:A:LEU:HD13	1:24:A:ARG:H	8	1.06
(1,2504)	1:20:A:LEU:HD11	1:24:A:ARG:H	10	1.06
(1,2504)	1:20:A:LEU:HD12	1:24:A:ARG:H	10	1.06
(1,2504)	1:20:A:LEU:HD13	1:24:A:ARG:H	10	1.06
(1,2504)	1:20:A:LEU:HD11	1:24:A:ARG:H	11	1.06
(1,2504)	1:20:A:LEU:HD12	1:24:A:ARG:H	11	1.06
(1,2504)	1:20:A:LEU:HD13	1:24:A:ARG:H	11	1.06
(1,2504)	1:20:A:LEU:HD11	1:24:A:ARG:H	14	1.06
(1,2504)	1:20:A:LEU:HD12	1:24:A:ARG:H	14	1.06
(1,2504)	1:20:A:LEU:HD13	1:24:A:ARG:H	14	1.06
(1,2504)	1:20:A:LEU:HD11	1:24:A:ARG:H	15	1.06
(1,2504)	1:20:A:LEU:HD12	1:24:A:ARG:H	15	1.06
(1,2504)	1:20:A:LEU:HD13	1:24:A:ARG:H	15	1.06
(1,2500)	1:17:A:LEU:HA	1:24:A:ARG:HE	13	1.06
(1,2499)	1:17:A:LEU:H	1:22:A:PRO:HA	2	1.06
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD11	8	1.06
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD12	8	1.06
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD13	8	1.06
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB2	9	1.06
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB3	9	1.06
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB2	10	1.06
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB3	10	1.06
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB2	13	1.06
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB3	13	1.06
(1,2458)	1:57:A:GLN:HE21	1:55:A:LYS:HA	4	1.06
(1,2458)	1:57:A:GLN:HE21	1:55:A:LYS:HA	7	1.06
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	4	1.06
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	4	1.06
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	4	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	4	1.06
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	4	1.06
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	4	1.06
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	5	1.06
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	5	1.06
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	5	1.06
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	5	1.06
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	5	1.06
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	5	1.06
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	9	1.06
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	9	1.06
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	9	1.06
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	9	1.06
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	9	1.06
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	9	1.06
(1,2454)	1:57:A:GLN:H	1:54:A:LEU:HA	8	1.06
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG21	1	1.06
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG22	1	1.06
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG23	1	1.06
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG21	1	1.06
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG22	1	1.06
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG23	1	1.06
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG21	8	1.06
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG22	8	1.06
(1,2453)	1:57:A:GLN:HE21	1:51:A:THR:HG23	8	1.06
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG21	8	1.06
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG22	8	1.06
(1,2453)	1:57:A:GLN:HE22	1:51:A:THR:HG23	8	1.06
(1,2429)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	4	1.06
(1,2429)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	4	1.06
(1,2429)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	4	1.06
(1,2429)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	8	1.06
(1,2429)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	8	1.06
(1,2429)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	8	1.06
(1,2429)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	9	1.06
(1,2429)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	9	1.06
(1,2429)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	9	1.06
(1,2407)	1:45:A:THR:HA	1:50:A:LEU:H	8	1.06
(1,2407)	1:45:A:THR:HA	1:50:A:LEU:H	9	1.06
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	1	1.06
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	1	1.06
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	1	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	9	1.06
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	9	1.06
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	9	1.06
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	13	1.06
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	13	1.06
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	13	1.06
(1,2380)	1:20:A:LEU:HD11	1:24:A:ARG:H	3	1.06
(1,2380)	1:20:A:LEU:HD12	1:24:A:ARG:H	3	1.06
(1,2380)	1:20:A:LEU:HD13	1:24:A:ARG:H	3	1.06
(1,2380)	1:20:A:LEU:HD11	1:24:A:ARG:H	4	1.06
(1,2380)	1:20:A:LEU:HD12	1:24:A:ARG:H	4	1.06
(1,2380)	1:20:A:LEU:HD13	1:24:A:ARG:H	4	1.06
(1,2380)	1:20:A:LEU:HD11	1:24:A:ARG:H	5	1.06
(1,2380)	1:20:A:LEU:HD12	1:24:A:ARG:H	5	1.06
(1,2380)	1:20:A:LEU:HD13	1:24:A:ARG:H	5	1.06
(1,2380)	1:20:A:LEU:HD11	1:24:A:ARG:H	6	1.06
(1,2380)	1:20:A:LEU:HD12	1:24:A:ARG:H	6	1.06
(1,2380)	1:20:A:LEU:HD13	1:24:A:ARG:H	6	1.06
(1,2380)	1:20:A:LEU:HD11	1:24:A:ARG:H	7	1.06
(1,2380)	1:20:A:LEU:HD12	1:24:A:ARG:H	7	1.06
(1,2380)	1:20:A:LEU:HD13	1:24:A:ARG:H	7	1.06
(1,2380)	1:20:A:LEU:HD11	1:24:A:ARG:H	8	1.06
(1,2380)	1:20:A:LEU:HD12	1:24:A:ARG:H	8	1.06
(1,2380)	1:20:A:LEU:HD13	1:24:A:ARG:H	8	1.06
(1,2380)	1:20:A:LEU:HD11	1:24:A:ARG:H	10	1.06
(1,2380)	1:20:A:LEU:HD12	1:24:A:ARG:H	10	1.06
(1,2380)	1:20:A:LEU:HD13	1:24:A:ARG:H	10	1.06
(1,2380)	1:20:A:LEU:HD11	1:24:A:ARG:H	11	1.06
(1,2380)	1:20:A:LEU:HD12	1:24:A:ARG:H	11	1.06
(1,2380)	1:20:A:LEU:HD13	1:24:A:ARG:H	11	1.06
(1,2380)	1:20:A:LEU:HD11	1:24:A:ARG:H	14	1.06
(1,2380)	1:20:A:LEU:HD12	1:24:A:ARG:H	14	1.06
(1,2380)	1:20:A:LEU:HD13	1:24:A:ARG:H	14	1.06
(1,2380)	1:20:A:LEU:HD11	1:24:A:ARG:H	15	1.06
(1,2380)	1:20:A:LEU:HD12	1:24:A:ARG:H	15	1.06
(1,2380)	1:20:A:LEU:HD13	1:24:A:ARG:H	15	1.06
(1,2376)	1:17:A:LEU:HA	1:24:A:ARG:HE	13	1.06
(1,2375)	1:17:A:LEU:H	1:22:A:PRO:HA	2	1.06
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD11	8	1.06
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD12	8	1.06
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD13	8	1.06
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB2	9	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB3	9	1.06
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB2	10	1.06
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB3	10	1.06
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB2	13	1.06
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB3	13	1.06
(1,2334)	1:57:A:GLN:HE21	1:55:A:LYS:HA	4	1.06
(1,2334)	1:57:A:GLN:HE21	1:55:A:LYS:HA	7	1.06
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	4	1.06
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	4	1.06
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	4	1.06
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	4	1.06
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	4	1.06
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	4	1.06
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	5	1.06
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	5	1.06
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	5	1.06
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	5	1.06
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	5	1.06
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	5	1.06
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	9	1.06
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	9	1.06
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	9	1.06
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	9	1.06
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	9	1.06
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	9	1.06
(1,2330)	1:57:A:GLN:H	1:54:A:LEU:HA	8	1.06
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG21	1	1.06
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG22	1	1.06
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG23	1	1.06
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG21	1	1.06
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG22	1	1.06
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG23	1	1.06
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG21	8	1.06
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG22	8	1.06
(1,2329)	1:57:A:GLN:HE21	1:51:A:THR:HG23	8	1.06
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG21	8	1.06
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG22	8	1.06
(1,2329)	1:57:A:GLN:HE22	1:51:A:THR:HG23	8	1.06
(1,2305)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	4	1.06
(1,2305)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	4	1.06
(1,2305)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	4	1.06
(1,2305)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	8	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2305)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	8	1.06
(1,2305)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	8	1.06
(1,2305)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	9	1.06
(1,2305)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	9	1.06
(1,2305)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	9	1.06
(1,2283)	1:45:A:THR:HA	1:50:A:LEU:H	8	1.06
(1,2283)	1:45:A:THR:HA	1:50:A:LEU:H	9	1.06
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	1	1.06
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	1	1.06
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	1	1.06
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	9	1.06
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	9	1.06
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	9	1.06
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	13	1.06
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	13	1.06
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	13	1.06
(1,2256)	1:20:A:LEU:HD11	1:24:A:ARG:H	3	1.06
(1,2256)	1:20:A:LEU:HD12	1:24:A:ARG:H	3	1.06
(1,2256)	1:20:A:LEU:HD13	1:24:A:ARG:H	3	1.06
(1,2256)	1:20:A:LEU:HD11	1:24:A:ARG:H	4	1.06
(1,2256)	1:20:A:LEU:HD12	1:24:A:ARG:H	4	1.06
(1,2256)	1:20:A:LEU:HD13	1:24:A:ARG:H	4	1.06
(1,2256)	1:20:A:LEU:HD11	1:24:A:ARG:H	5	1.06
(1,2256)	1:20:A:LEU:HD12	1:24:A:ARG:H	5	1.06
(1,2256)	1:20:A:LEU:HD13	1:24:A:ARG:H	5	1.06
(1,2256)	1:20:A:LEU:HD11	1:24:A:ARG:H	6	1.06
(1,2256)	1:20:A:LEU:HD12	1:24:A:ARG:H	6	1.06
(1,2256)	1:20:A:LEU:HD13	1:24:A:ARG:H	6	1.06
(1,2256)	1:20:A:LEU:HD11	1:24:A:ARG:H	7	1.06
(1,2256)	1:20:A:LEU:HD12	1:24:A:ARG:H	7	1.06
(1,2256)	1:20:A:LEU:HD13	1:24:A:ARG:H	7	1.06
(1,2256)	1:20:A:LEU:HD11	1:24:A:ARG:H	8	1.06
(1,2256)	1:20:A:LEU:HD12	1:24:A:ARG:H	8	1.06
(1,2256)	1:20:A:LEU:HD13	1:24:A:ARG:H	8	1.06
(1,2256)	1:20:A:LEU:HD11	1:24:A:ARG:H	10	1.06
(1,2256)	1:20:A:LEU:HD12	1:24:A:ARG:H	10	1.06
(1,2256)	1:20:A:LEU:HD13	1:24:A:ARG:H	10	1.06
(1,2256)	1:20:A:LEU:HD11	1:24:A:ARG:H	11	1.06
(1,2256)	1:20:A:LEU:HD12	1:24:A:ARG:H	11	1.06
(1,2256)	1:20:A:LEU:HD13	1:24:A:ARG:H	11	1.06
(1,2256)	1:20:A:LEU:HD11	1:24:A:ARG:H	14	1.06
(1,2256)	1:20:A:LEU:HD12	1:24:A:ARG:H	14	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2256)	1:20:A:LEU:HD13	1:24:A:ARG:H	14	1.06
(1,2256)	1:20:A:LEU:HD11	1:24:A:ARG:H	15	1.06
(1,2256)	1:20:A:LEU:HD12	1:24:A:ARG:H	15	1.06
(1,2256)	1:20:A:LEU:HD13	1:24:A:ARG:H	15	1.06
(1,2252)	1:17:A:LEU:HA	1:24:A:ARG:HE	13	1.06
(1,2251)	1:17:A:LEU:H	1:22:A:PRO:HA	2	1.06
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB1	7	1.06
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB2	7	1.06
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB3	7	1.06
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE1	9	1.06
(1,2204)	1:97:A:VAL:H	1:96:A:TYR:HE2	9	1.06
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE1	4	1.06
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE2	4	1.06
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD11	4	1.06
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD12	4	1.06
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD13	4	1.06
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD11	4	1.06
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD12	4	1.06
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD13	4	1.06
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB2	7	1.06
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB3	7	1.06
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB2	10	1.06
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB3	10	1.06
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB1	4	1.06
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB2	4	1.06
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB3	4	1.06
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB1	4	1.06
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB2	4	1.06
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB3	4	1.06
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB1	7	1.06
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB2	7	1.06
(1,2154)	1:92:A:MET:HG2	1:89:A:ALA:HB3	7	1.06
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB1	7	1.06
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB2	7	1.06
(1,2154)	1:92:A:MET:HG3	1:89:A:ALA:HB3	7	1.06
(1,2120)	1:86:A:ARG:HA	1:87:A:GLN:H	1	1.06
(1,2120)	1:86:A:ARG:HA	1:87:A:GLN:H	2	1.06
(1,2120)	1:86:A:ARG:HA	1:87:A:GLN:H	3	1.06
(1,2120)	1:86:A:ARG:HA	1:87:A:GLN:H	4	1.06
(1,2120)	1:86:A:ARG:HA	1:87:A:GLN:H	5	1.06
(1,2120)	1:86:A:ARG:HA	1:87:A:GLN:H	6	1.06
(1,2120)	1:86:A:ARG:HA	1:87:A:GLN:H	7	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2120)	1:86:A:ARG:HA	1:87:A:GLN:H	8	1.06
(1,2120)	1:86:A:ARG:HA	1:87:A:GLN:H	9	1.06
(1,2120)	1:86:A:ARG:HA	1:87:A:GLN:H	10	1.06
(1,2120)	1:86:A:ARG:HA	1:87:A:GLN:H	11	1.06
(1,2120)	1:86:A:ARG:HA	1:87:A:GLN:H	12	1.06
(1,2120)	1:86:A:ARG:HA	1:87:A:GLN:H	13	1.06
(1,2120)	1:86:A:ARG:HA	1:87:A:GLN:H	15	1.06
(1,2093)	1:84:A:GLU:HB2	1:81:A:SER:HB3	6	1.06
(1,2093)	1:84:A:GLU:HB2	1:81:A:SER:HB3	8	1.06
(1,2071)	1:82:A:MET:H	1:83:A:ASP:HB2	13	1.06
(1,2053)	1:80:A:ALA:HA	1:81:A:SER:H	3	1.06
(1,2053)	1:80:A:ALA:HA	1:81:A:SER:H	4	1.06
(1,2053)	1:80:A:ALA:HA	1:81:A:SER:H	6	1.06
(1,2053)	1:80:A:ALA:HA	1:81:A:SER:H	8	1.06
(1,2053)	1:80:A:ALA:HA	1:81:A:SER:H	9	1.06
(1,2053)	1:80:A:ALA:HA	1:81:A:SER:H	13	1.06
(1,2053)	1:80:A:ALA:HA	1:81:A:SER:H	14	1.06
(1,2053)	1:80:A:ALA:HA	1:81:A:SER:H	15	1.06
(1,1990)	1:73:A:ASN:H	1:72:A:THR:HA	13	1.06
(1,1974)	1:71:A:LEU:H	1:72:A:THR:HB	1	1.06
(1,1974)	1:71:A:LEU:H	1:72:A:THR:HB	11	1.06
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG21	1	1.06
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG22	1	1.06
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG23	1	1.06
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG21	2	1.06
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG22	2	1.06
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG23	2	1.06
(1,1936)	1:66:A:VAL:HA	1:69:A:ALA:H	3	1.06
(1,1927)	1:65:A:LYS:H	1:64:A:LYS:HA	5	1.06
(1,1927)	1:65:A:LYS:H	1:64:A:LYS:HA	6	1.06
(1,1927)	1:65:A:LYS:H	1:64:A:LYS:HA	8	1.06
(1,1919)	1:65:A:LYS:H	1:62:A:SER:HA	9	1.06
(1,1885)	1:61:A:ASP:H	1:62:A:SER:HB3	5	1.06
(1,1863)	1:55:A:LYS:HA	1:54:A:LEU:H	3	1.06
(1,1845)	1:51:A:THR:HB	1:52:A:GLN:H	14	1.06
(1,1827)	1:47:A:GLN:HA	1:46:A:VAL:HB	5	1.06
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG21	15	1.06
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG22	15	1.06
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG23	15	1.06
(1,1816)	1:45:A:THR:H	1:48:A:ASN:H	3	1.06
(1,1805)	1:45:A:THR:H	1:42:A:LEU:HA	5	1.06
(1,1800)	1:44:A:THR:H	1:40:A:ARG:HA	14	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1797)	1:43:A:ALA:H	1:42:A:LEU:HA	5	1.06
(1,1758)	1:35:A:TRP:H	1:37:A:ARG:H	4	1.06
(1,1758)	1:35:A:TRP:H	1:37:A:ARG:H	5	1.06
(1,1758)	1:35:A:TRP:H	1:37:A:ARG:H	6	1.06
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD1	8	1.06
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD2	8	1.06
(1,1641)	1:13:A:PHE:H	1:12:A:VAL:HA	1	1.06
(1,1641)	1:13:A:PHE:H	1:12:A:VAL:HA	2	1.06
(1,1641)	1:13:A:PHE:H	1:12:A:VAL:HA	4	1.06
(1,1641)	1:13:A:PHE:H	1:12:A:VAL:HA	8	1.06
(1,1641)	1:13:A:PHE:H	1:12:A:VAL:HA	9	1.06
(1,1641)	1:13:A:PHE:H	1:12:A:VAL:HA	10	1.06
(1,1641)	1:13:A:PHE:H	1:12:A:VAL:HA	14	1.06
(1,1627)	1:11:A:LEU:HA	1:12:A:VAL:H	13	1.06
(1,1622)	1:10:A:LEU:HA	1:11:A:LEU:H	3	1.06
(1,1622)	1:10:A:LEU:HA	1:11:A:LEU:H	5	1.06
(1,1622)	1:10:A:LEU:HA	1:11:A:LEU:H	6	1.06
(1,1622)	1:10:A:LEU:HA	1:11:A:LEU:H	11	1.06
(1,1622)	1:10:A:LEU:HA	1:11:A:LEU:H	12	1.06
(1,1622)	1:10:A:LEU:HA	1:11:A:LEU:H	15	1.06
(1,1605)	1:8:A:GLU:HB2	1:4:A:ILE:HB	6	1.06
(1,1526)	1:95:A:SER:HA	1:94:A:ARG:HG2	6	1.06
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB1	6	1.06
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB2	6	1.06
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB3	6	1.06
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB1	15	1.06
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB2	15	1.06
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB3	15	1.06
(1,1471)	1:73:A:ASN:H	1:74:A:LEU:HA	3	1.06
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB1	9	1.06
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB2	9	1.06
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB3	9	1.06
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD2	7	1.06
(1,1456)	1:69:A:ALA:H	1:68:A:LYS:HD3	7	1.06
(1,1453)	1:67:A:GLU:HG2	1:70:A:SER:H	6	1.06
(1,1453)	1:67:A:GLU:HG3	1:70:A:SER:H	6	1.06
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD11	7	1.06
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD12	7	1.06
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD13	7	1.06
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB2	1	1.06
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB3	1	1.06
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB2	9	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB3	9	1.06
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG21	3	1.06
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG22	3	1.06
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG23	3	1.06
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG21	6	1.06
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG22	6	1.06
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG23	6	1.06
(1,1323)	1:26:A:PRO:HB2	1:30:A:LYS:HG2	12	1.06
(1,1323)	1:26:A:PRO:HB3	1:30:A:LYS:HG2	12	1.06
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG21	9	1.06
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG22	9	1.06
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG23	9	1.06
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD11	11	1.06
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD12	11	1.06
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD13	11	1.06
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG21	5	1.06
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG22	5	1.06
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG23	5	1.06
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG21	5	1.06
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG22	5	1.06
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG23	5	1.06
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG21	6	1.06
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG22	6	1.06
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG23	6	1.06
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG21	6	1.06
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG22	6	1.06
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG23	6	1.06
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB2	1	1.06
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB3	1	1.06
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB2	2	1.06
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB3	2	1.06
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB2	14	1.06
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB3	14	1.06
(1,932)	1:9:A:LEU:HD11	1:13:A:PHE:HE1	15	1.06
(1,932)	1:9:A:LEU:HD11	1:13:A:PHE:HE2	15	1.06
(1,932)	1:9:A:LEU:HD12	1:13:A:PHE:HE1	15	1.06
(1,932)	1:9:A:LEU:HD12	1:13:A:PHE:HE2	15	1.06
(1,932)	1:9:A:LEU:HD13	1:13:A:PHE:HE1	15	1.06
(1,932)	1:9:A:LEU:HD13	1:13:A:PHE:HE2	15	1.06
(1,932)	1:9:A:LEU:HD21	1:13:A:PHE:HE1	15	1.06
(1,932)	1:9:A:LEU:HD21	1:13:A:PHE:HE2	15	1.06
(1,932)	1:9:A:LEU:HD22	1:13:A:PHE:HE1	15	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:9:A:LEU:HD22	1:13:A:PHE:HE2	15	1.06
(1,932)	1:9:A:LEU:HD23	1:13:A:PHE:HE1	15	1.06
(1,932)	1:9:A:LEU:HD23	1:13:A:PHE:HE2	15	1.06
(1,897)	1:63:A:LEU:H	1:62:A:SER:HB3	8	1.06
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD11	15	1.05
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD12	15	1.05
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD13	15	1.05
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD21	15	1.05
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD22	15	1.05
(2,238)	1:49:A:GLU:H	1:54:A:LEU:HD23	15	1.05
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	6	1.05
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	6	1.05
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	6	1.05
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	6	1.05
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	6	1.05
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	6	1.05
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD11	6	1.05
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD12	6	1.05
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD13	6	1.05
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	7	1.05
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	7	1.05
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	7	1.05
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	7	1.05
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	7	1.05
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	7	1.05
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB2	8	1.05
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB3	8	1.05
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB2	14	1.05
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB3	14	1.05
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD11	10	1.05
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD12	10	1.05
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD13	10	1.05
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD21	10	1.05
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD22	10	1.05
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD23	10	1.05
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	14	1.05
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	14	1.05
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	14	1.05
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	14	1.05
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	14	1.05
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	14	1.05
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	14	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	14	1.05
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	14	1.05
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	14	1.05
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	14	1.05
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	14	1.05
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	11	1.05
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	11	1.05
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	11	1.05
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	11	1.05
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	11	1.05
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	11	1.05
(1,2830)	1:57:A:GLN:HE21	1:55:A:LYS:HA	15	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	1	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	1	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	1	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	1	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	1	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	1	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	3	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	3	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	3	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	3	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	3	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	3	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	6	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	6	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	6	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	6	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	6	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	6	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	13	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	13	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	13	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	13	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	13	1.05
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	13	1.05
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	5	1.05
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	5	1.05
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	5	1.05
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	5	1.05
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	5	1.05
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	5	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2820)	1:56:A:LEU:HB3	1:51:A:THR:H	15	1.05
(1,2818)	1:55:A:LYS:HG2	1:54:A:LEU:H	10	1.05
(1,2818)	1:55:A:LYS:HG3	1:54:A:LEU:H	10	1.05
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB2	2	1.05
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB3	2	1.05
(1,2798)	1:49:A:GLU:HA	1:53:A:GLU:H	10	1.05
(1,2794)	1:49:A:GLU:HA	1:47:A:GLN:H	12	1.05
(1,2794)	1:49:A:GLU:HA	1:47:A:GLN:H	15	1.05
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG21	11	1.05
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG22	11	1.05
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG23	11	1.05
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG21	11	1.05
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG22	11	1.05
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG23	11	1.05
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD21	2	1.05
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD22	2	1.05
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD23	2	1.05
(1,2779)	1:45:A:THR:HA	1:50:A:LEU:H	11	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	3	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	3	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	3	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	4	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	4	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	4	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	5	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	5	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	5	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	6	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	6	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	6	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	7	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	7	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	7	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	8	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	8	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	8	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	10	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	10	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	10	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	11	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	11	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	11	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	14	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	14	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	14	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	15	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	15	1.05
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	15	1.05
(1,2758)	1:21:A:GLY:H	1:24:A:ARG:H	3	1.05
(1,2758)	1:21:A:GLY:H	1:24:A:ARG:H	4	1.05
(1,2758)	1:21:A:GLY:H	1:24:A:ARG:H	5	1.05
(1,2758)	1:21:A:GLY:H	1:24:A:ARG:H	7	1.05
(1,2758)	1:21:A:GLY:H	1:24:A:ARG:H	8	1.05
(1,2758)	1:21:A:GLY:H	1:24:A:ARG:H	9	1.05
(1,2758)	1:21:A:GLY:H	1:24:A:ARG:H	10	1.05
(1,2758)	1:21:A:GLY:H	1:24:A:ARG:H	11	1.05
(1,2758)	1:21:A:GLY:H	1:24:A:ARG:H	15	1.05
(1,2752)	1:20:A:LEU:HD11	1:24:A:ARG:H	13	1.05
(1,2752)	1:20:A:LEU:HD12	1:24:A:ARG:H	13	1.05
(1,2752)	1:20:A:LEU:HD13	1:24:A:ARG:H	13	1.05
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	6	1.05
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	6	1.05
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	6	1.05
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	6	1.05
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	6	1.05
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	6	1.05
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD11	6	1.05
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD12	6	1.05
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD13	6	1.05
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	7	1.05
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	7	1.05
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	7	1.05
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	7	1.05
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	7	1.05
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	7	1.05
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB2	8	1.05
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB3	8	1.05
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB2	14	1.05
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB3	14	1.05
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD11	10	1.05
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD12	10	1.05
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD13	10	1.05
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD21	10	1.05
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD22	10	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD23	10	1.05
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	14	1.05
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	14	1.05
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	14	1.05
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	14	1.05
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	14	1.05
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	14	1.05
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	14	1.05
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	14	1.05
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	14	1.05
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	14	1.05
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	14	1.05
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	14	1.05
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	11	1.05
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	11	1.05
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	11	1.05
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	11	1.05
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	11	1.05
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	11	1.05
(1,2706)	1:57:A:GLN:HE21	1:55:A:LYS:HA	15	1.05
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	1	1.05
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	1	1.05
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	1	1.05
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	1	1.05
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	1	1.05
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	1	1.05
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	3	1.05
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	3	1.05
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	3	1.05
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	3	1.05
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	3	1.05
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	3	1.05
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	6	1.05
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	6	1.05
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	6	1.05
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	6	1.05
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	6	1.05
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	6	1.05
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	13	1.05
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	13	1.05
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	13	1.05
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	13	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	13	1.05
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	13	1.05
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	5	1.05
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	5	1.05
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	5	1.05
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	5	1.05
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	5	1.05
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	5	1.05
(1,2696)	1:56:A:LEU:HB3	1:51:A:THR:H	15	1.05
(1,2694)	1:55:A:LYS:HG2	1:54:A:LEU:H	10	1.05
(1,2694)	1:55:A:LYS:HG3	1:54:A:LEU:H	10	1.05
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB2	2	1.05
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB3	2	1.05
(1,2674)	1:49:A:GLU:HA	1:53:A:GLU:H	10	1.05
(1,2670)	1:49:A:GLU:HA	1:47:A:GLN:H	12	1.05
(1,2670)	1:49:A:GLU:HA	1:47:A:GLN:H	15	1.05
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG21	11	1.05
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG22	11	1.05
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG23	11	1.05
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG21	11	1.05
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG22	11	1.05
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG23	11	1.05
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD21	2	1.05
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD22	2	1.05
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD23	2	1.05
(1,2655)	1:45:A:THR:HA	1:50:A:LEU:H	11	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	3	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	3	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	3	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	4	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	4	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	4	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	5	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	5	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	5	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	6	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	6	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	6	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	7	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	7	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	7	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	8	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	8	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	8	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	10	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	10	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	10	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	11	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	11	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	11	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	14	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	14	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	14	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	15	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	15	1.05
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	15	1.05
(1,2634)	1:21:A:GLY:H	1:24:A:ARG:H	3	1.05
(1,2634)	1:21:A:GLY:H	1:24:A:ARG:H	4	1.05
(1,2634)	1:21:A:GLY:H	1:24:A:ARG:H	5	1.05
(1,2634)	1:21:A:GLY:H	1:24:A:ARG:H	7	1.05
(1,2634)	1:21:A:GLY:H	1:24:A:ARG:H	8	1.05
(1,2634)	1:21:A:GLY:H	1:24:A:ARG:H	9	1.05
(1,2634)	1:21:A:GLY:H	1:24:A:ARG:H	10	1.05
(1,2634)	1:21:A:GLY:H	1:24:A:ARG:H	11	1.05
(1,2634)	1:21:A:GLY:H	1:24:A:ARG:H	15	1.05
(1,2628)	1:20:A:LEU:HD11	1:24:A:ARG:H	13	1.05
(1,2628)	1:20:A:LEU:HD12	1:24:A:ARG:H	13	1.05
(1,2628)	1:20:A:LEU:HD13	1:24:A:ARG:H	13	1.05
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	6	1.05
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	6	1.05
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	6	1.05
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	6	1.05
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	6	1.05
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	6	1.05
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD11	6	1.05
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD12	6	1.05
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD13	6	1.05
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	7	1.05
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	7	1.05
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	7	1.05
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	7	1.05
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	7	1.05
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	7	1.05
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB2	8	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB3	8	1.05
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB2	14	1.05
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB3	14	1.05
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD11	10	1.05
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD12	10	1.05
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD13	10	1.05
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD21	10	1.05
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD22	10	1.05
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD23	10	1.05
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	14	1.05
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	14	1.05
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	14	1.05
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	14	1.05
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	14	1.05
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	14	1.05
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	14	1.05
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	14	1.05
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	14	1.05
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	14	1.05
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	14	1.05
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	14	1.05
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	11	1.05
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	11	1.05
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	11	1.05
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	11	1.05
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	11	1.05
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	11	1.05
(1,2582)	1:57:A:GLN:HE21	1:55:A:LYS:HA	15	1.05
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	1	1.05
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	1	1.05
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	1	1.05
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	1	1.05
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	1	1.05
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	1	1.05
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	3	1.05
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	3	1.05
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	3	1.05
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	3	1.05
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	3	1.05
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	3	1.05
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	6	1.05
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	6	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	6	1.05
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	6	1.05
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	6	1.05
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	6	1.05
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	13	1.05
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	13	1.05
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	13	1.05
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	13	1.05
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	13	1.05
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	13	1.05
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	5	1.05
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	5	1.05
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	5	1.05
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	5	1.05
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	5	1.05
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	5	1.05
(1,2572)	1:56:A:LEU:HB3	1:51:A:THR:H	15	1.05
(1,2570)	1:55:A:LYS:HG2	1:54:A:LEU:H	10	1.05
(1,2570)	1:55:A:LYS:HG3	1:54:A:LEU:H	10	1.05
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB2	2	1.05
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB3	2	1.05
(1,2550)	1:49:A:GLU:HA	1:53:A:GLU:H	10	1.05
(1,2546)	1:49:A:GLU:HA	1:47:A:GLN:H	12	1.05
(1,2546)	1:49:A:GLU:HA	1:47:A:GLN:H	15	1.05
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG21	11	1.05
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG22	11	1.05
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG23	11	1.05
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG21	11	1.05
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG22	11	1.05
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG23	11	1.05
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD21	2	1.05
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD22	2	1.05
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD23	2	1.05
(1,2531)	1:45:A:THR:HA	1:50:A:LEU:H	11	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	3	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	3	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	3	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	4	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	4	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	4	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	5	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	5	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	5	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	6	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	6	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	6	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	7	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	7	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	7	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	8	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	8	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	8	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	10	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	10	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	10	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	11	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	11	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	11	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	14	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	14	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	14	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	15	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	15	1.05
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	15	1.05
(1,2510)	1:21:A:GLY:H	1:24:A:ARG:H	3	1.05
(1,2510)	1:21:A:GLY:H	1:24:A:ARG:H	4	1.05
(1,2510)	1:21:A:GLY:H	1:24:A:ARG:H	5	1.05
(1,2510)	1:21:A:GLY:H	1:24:A:ARG:H	7	1.05
(1,2510)	1:21:A:GLY:H	1:24:A:ARG:H	8	1.05
(1,2510)	1:21:A:GLY:H	1:24:A:ARG:H	9	1.05
(1,2510)	1:21:A:GLY:H	1:24:A:ARG:H	10	1.05
(1,2510)	1:21:A:GLY:H	1:24:A:ARG:H	11	1.05
(1,2510)	1:21:A:GLY:H	1:24:A:ARG:H	15	1.05
(1,2504)	1:20:A:LEU:HD11	1:24:A:ARG:H	13	1.05
(1,2504)	1:20:A:LEU:HD12	1:24:A:ARG:H	13	1.05
(1,2504)	1:20:A:LEU:HD13	1:24:A:ARG:H	13	1.05
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	6	1.05
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	6	1.05
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	6	1.05
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	6	1.05
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	6	1.05
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	6	1.05
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD11	6	1.05
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD12	6	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD13	6	1.05
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	7	1.05
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	7	1.05
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	7	1.05
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	7	1.05
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	7	1.05
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	7	1.05
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB2	8	1.05
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB3	8	1.05
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB2	14	1.05
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB3	14	1.05
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD11	10	1.05
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD12	10	1.05
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD13	10	1.05
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD21	10	1.05
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD22	10	1.05
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD23	10	1.05
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	14	1.05
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	14	1.05
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	14	1.05
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	14	1.05
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	14	1.05
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	14	1.05
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	14	1.05
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	14	1.05
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	14	1.05
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	14	1.05
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	14	1.05
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	14	1.05
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	11	1.05
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	11	1.05
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	11	1.05
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	11	1.05
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	11	1.05
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	11	1.05
(1,2458)	1:57:A:GLN:HE21	1:55:A:LYS:HA	15	1.05
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	1	1.05
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	1	1.05
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	1	1.05
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	1	1.05
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	1	1.05
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	1	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	3	1.05
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	3	1.05
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	3	1.05
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	3	1.05
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	3	1.05
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	3	1.05
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	6	1.05
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	6	1.05
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	6	1.05
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	6	1.05
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	6	1.05
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	6	1.05
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	13	1.05
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	13	1.05
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	13	1.05
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	13	1.05
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	13	1.05
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	13	1.05
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	5	1.05
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	5	1.05
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	5	1.05
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	5	1.05
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	5	1.05
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	5	1.05
(1,2448)	1:56:A:LEU:HB3	1:51:A:THR:H	15	1.05
(1,2446)	1:55:A:LYS:HG2	1:54:A:LEU:H	10	1.05
(1,2446)	1:55:A:LYS:HG3	1:54:A:LEU:H	10	1.05
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB2	2	1.05
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB3	2	1.05
(1,2426)	1:49:A:GLU:HA	1:53:A:GLU:H	10	1.05
(1,2422)	1:49:A:GLU:HA	1:47:A:GLN:H	12	1.05
(1,2422)	1:49:A:GLU:HA	1:47:A:GLN:H	15	1.05
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG21	11	1.05
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG22	11	1.05
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG23	11	1.05
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG21	11	1.05
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG22	11	1.05
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG23	11	1.05
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD21	2	1.05
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD22	2	1.05
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD23	2	1.05
(1,2407)	1:45:A:THR:HA	1:50:A:LEU:H	11	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	3	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	3	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	3	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	4	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	4	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	4	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	5	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	5	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	5	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	6	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	6	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	6	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	7	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	7	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	7	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	8	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	8	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	8	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	10	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	10	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	10	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	11	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	11	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	11	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	14	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	14	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	14	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	15	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	15	1.05
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	15	1.05
(1,2386)	1:21:A:GLY:H	1:24:A:ARG:H	3	1.05
(1,2386)	1:21:A:GLY:H	1:24:A:ARG:H	4	1.05
(1,2386)	1:21:A:GLY:H	1:24:A:ARG:H	5	1.05
(1,2386)	1:21:A:GLY:H	1:24:A:ARG:H	7	1.05
(1,2386)	1:21:A:GLY:H	1:24:A:ARG:H	8	1.05
(1,2386)	1:21:A:GLY:H	1:24:A:ARG:H	9	1.05
(1,2386)	1:21:A:GLY:H	1:24:A:ARG:H	10	1.05
(1,2386)	1:21:A:GLY:H	1:24:A:ARG:H	11	1.05
(1,2386)	1:21:A:GLY:H	1:24:A:ARG:H	15	1.05
(1,2380)	1:20:A:LEU:HD11	1:24:A:ARG:H	13	1.05
(1,2380)	1:20:A:LEU:HD12	1:24:A:ARG:H	13	1.05
(1,2380)	1:20:A:LEU:HD13	1:24:A:ARG:H	13	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	6	1.05
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	6	1.05
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	6	1.05
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	6	1.05
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	6	1.05
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	6	1.05
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD11	6	1.05
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD12	6	1.05
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD13	6	1.05
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	7	1.05
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	7	1.05
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	7	1.05
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	7	1.05
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	7	1.05
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	7	1.05
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB2	8	1.05
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB3	8	1.05
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB2	14	1.05
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB3	14	1.05
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD11	10	1.05
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD12	10	1.05
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD13	10	1.05
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD21	10	1.05
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD22	10	1.05
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD23	10	1.05
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	14	1.05
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	14	1.05
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	14	1.05
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	14	1.05
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	14	1.05
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	14	1.05
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	14	1.05
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	14	1.05
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	14	1.05
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	14	1.05
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	14	1.05
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	14	1.05
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	11	1.05
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	11	1.05
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	11	1.05
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	11	1.05
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	11	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	11	1.05
(1,2334)	1:57:A:GLN:HE21	1:55:A:LYS:HA	15	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	1	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	1	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	1	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	1	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	1	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	1	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	3	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	3	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	3	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	3	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	3	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	3	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	6	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	6	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	6	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	6	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	6	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	6	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	13	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	13	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	13	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	13	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	13	1.05
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	13	1.05
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	5	1.05
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	5	1.05
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	5	1.05
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	5	1.05
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	5	1.05
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	5	1.05
(1,2324)	1:56:A:LEU:HB3	1:51:A:THR:H	15	1.05
(1,2322)	1:55:A:LYS:HG2	1:54:A:LEU:H	10	1.05
(1,2322)	1:55:A:LYS:HG3	1:54:A:LEU:H	10	1.05
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB2	2	1.05
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB3	2	1.05
(1,2302)	1:49:A:GLU:HA	1:53:A:GLU:H	10	1.05
(1,2298)	1:49:A:GLU:HA	1:47:A:GLN:H	12	1.05
(1,2298)	1:49:A:GLU:HA	1:47:A:GLN:H	15	1.05
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG21	11	1.05
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG22	11	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG23	11	1.05
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG21	11	1.05
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG22	11	1.05
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG23	11	1.05
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD21	2	1.05
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD22	2	1.05
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD23	2	1.05
(1,2283)	1:45:A:THR:HA	1:50:A:LEU:H	11	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	3	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	3	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	3	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	4	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	4	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	4	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	5	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	5	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	5	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	6	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	6	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	6	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	7	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	7	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	7	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	8	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	8	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	8	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	10	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	10	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	10	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	11	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	11	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	11	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	14	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	14	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	14	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	15	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	15	1.05
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	15	1.05
(1,2262)	1:21:A:GLY:H	1:24:A:ARG:H	3	1.05
(1,2262)	1:21:A:GLY:H	1:24:A:ARG:H	4	1.05
(1,2262)	1:21:A:GLY:H	1:24:A:ARG:H	5	1.05
(1,2262)	1:21:A:GLY:H	1:24:A:ARG:H	7	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2262)	1:21:A:GLY:H	1:24:A:ARG:H	8	1.05
(1,2262)	1:21:A:GLY:H	1:24:A:ARG:H	9	1.05
(1,2262)	1:21:A:GLY:H	1:24:A:ARG:H	10	1.05
(1,2262)	1:21:A:GLY:H	1:24:A:ARG:H	11	1.05
(1,2262)	1:21:A:GLY:H	1:24:A:ARG:H	15	1.05
(1,2256)	1:20:A:LEU:HD11	1:24:A:ARG:H	13	1.05
(1,2256)	1:20:A:LEU:HD12	1:24:A:ARG:H	13	1.05
(1,2256)	1:20:A:LEU:HD13	1:24:A:ARG:H	13	1.05
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB1	4	1.05
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB2	4	1.05
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB3	4	1.05
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB1	4	1.05
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB2	4	1.05
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB3	4	1.05
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE1	7	1.05
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE2	7	1.05
(1,2184)	1:96:A:TYR:H	1:95:A:SER:HA	9	1.05
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB1	12	1.05
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB2	12	1.05
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB3	12	1.05
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB1	12	1.05
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB2	12	1.05
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB3	12	1.05
(1,2136)	1:89:A:ALA:HA	1:90:A:GLU:H	13	1.05
(1,2136)	1:89:A:ALA:HA	1:90:A:GLU:H	14	1.05
(1,2135)	1:89:A:ALA:H	1:88:A:ALA:HA	1	1.05
(1,2135)	1:89:A:ALA:H	1:88:A:ALA:HA	2	1.05
(1,2135)	1:89:A:ALA:H	1:88:A:ALA:HA	3	1.05
(1,2135)	1:89:A:ALA:H	1:88:A:ALA:HA	4	1.05
(1,2135)	1:89:A:ALA:H	1:88:A:ALA:HA	5	1.05
(1,2135)	1:89:A:ALA:H	1:88:A:ALA:HA	6	1.05
(1,2135)	1:89:A:ALA:H	1:88:A:ALA:HA	7	1.05
(1,2135)	1:89:A:ALA:H	1:88:A:ALA:HA	8	1.05
(1,2135)	1:89:A:ALA:H	1:88:A:ALA:HA	9	1.05
(1,2135)	1:89:A:ALA:H	1:88:A:ALA:HA	10	1.05
(1,2135)	1:89:A:ALA:H	1:88:A:ALA:HA	11	1.05
(1,2135)	1:89:A:ALA:H	1:88:A:ALA:HA	12	1.05
(1,2135)	1:89:A:ALA:H	1:88:A:ALA:HA	13	1.05
(1,2135)	1:89:A:ALA:H	1:88:A:ALA:HA	14	1.05
(1,2135)	1:89:A:ALA:H	1:88:A:ALA:HA	15	1.05
(1,2088)	1:83:A:ASP:HA	1:86:A:ARG:H	6	1.05
(1,2088)	1:83:A:ASP:HA	1:86:A:ARG:H	13	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2053)	1:80:A:ALA:HA	1:81:A:SER:H	1	1.05
(1,2053)	1:80:A:ALA:HA	1:81:A:SER:H	2	1.05
(1,2053)	1:80:A:ALA:HA	1:81:A:SER:H	5	1.05
(1,2053)	1:80:A:ALA:HA	1:81:A:SER:H	10	1.05
(1,2053)	1:80:A:ALA:HA	1:81:A:SER:H	11	1.05
(1,2053)	1:80:A:ALA:HA	1:81:A:SER:H	12	1.05
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD2	2	1.05
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD3	2	1.05
(1,2016)	1:76:A:PRO:HA	1:77:A:GLU:H	3	1.05
(1,2016)	1:76:A:PRO:HA	1:77:A:GLU:H	9	1.05
(1,2016)	1:76:A:PRO:HA	1:77:A:GLU:H	13	1.05
(1,1974)	1:71:A:LEU:H	1:72:A:THR:HB	2	1.05
(1,1974)	1:71:A:LEU:H	1:72:A:THR:HB	10	1.05
(1,1974)	1:71:A:LEU:H	1:72:A:THR:HB	12	1.05
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB3	3	1.05
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB2	3	1.05
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB3	9	1.05
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB2	9	1.05
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG21	12	1.05
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG22	12	1.05
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG23	12	1.05
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD11	3	1.05
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD12	3	1.05
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD13	3	1.05
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD21	3	1.05
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD22	3	1.05
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD23	3	1.05
(1,1936)	1:66:A:VAL:HA	1:69:A:ALA:H	13	1.05
(1,1936)	1:66:A:VAL:HA	1:69:A:ALA:H	14	1.05
(1,1927)	1:65:A:LYS:H	1:64:A:LYS:HA	1	1.05
(1,1927)	1:65:A:LYS:H	1:64:A:LYS:HA	2	1.05
(1,1927)	1:65:A:LYS:H	1:64:A:LYS:HA	3	1.05
(1,1927)	1:65:A:LYS:H	1:64:A:LYS:HA	7	1.05
(1,1927)	1:65:A:LYS:H	1:64:A:LYS:HA	9	1.05
(1,1927)	1:65:A:LYS:H	1:64:A:LYS:HA	10	1.05
(1,1927)	1:65:A:LYS:H	1:64:A:LYS:HA	11	1.05
(1,1927)	1:65:A:LYS:H	1:64:A:LYS:HA	12	1.05
(1,1927)	1:65:A:LYS:H	1:64:A:LYS:HA	13	1.05
(1,1927)	1:65:A:LYS:H	1:64:A:LYS:HA	15	1.05
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD11	2	1.05
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD12	2	1.05
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD13	2	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1874)	1:60:A:GLN:HA	1:61:A:ASP:H	2	1.05
(1,1874)	1:60:A:GLN:HA	1:61:A:ASP:H	3	1.05
(1,1874)	1:60:A:GLN:HA	1:61:A:ASP:H	4	1.05
(1,1874)	1:60:A:GLN:HA	1:61:A:ASP:H	7	1.05
(1,1874)	1:60:A:GLN:HA	1:61:A:ASP:H	13	1.05
(1,1874)	1:60:A:GLN:HA	1:61:A:ASP:H	15	1.05
(1,1866)	1:56:A:LEU:HB2	1:60:A:GLN:HE21	14	1.05
(1,1863)	1:55:A:LYS:HA	1:54:A:LEU:H	6	1.05
(1,1863)	1:55:A:LYS:HA	1:54:A:LEU:H	15	1.05
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG21	6	1.05
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG22	6	1.05
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG23	6	1.05
(1,1816)	1:45:A:THR:H	1:48:A:ASN:H	10	1.05
(1,1815)	1:45:A:THR:HA	1:48:A:ASN:H	10	1.05
(1,1805)	1:45:A:THR:H	1:42:A:LEU:HA	6	1.05
(1,1797)	1:43:A:ALA:H	1:42:A:LEU:HA	1	1.05
(1,1797)	1:43:A:ALA:H	1:42:A:LEU:HA	2	1.05
(1,1797)	1:43:A:ALA:H	1:42:A:LEU:HA	3	1.05
(1,1797)	1:43:A:ALA:H	1:42:A:LEU:HA	4	1.05
(1,1797)	1:43:A:ALA:H	1:42:A:LEU:HA	6	1.05
(1,1797)	1:43:A:ALA:H	1:42:A:LEU:HA	7	1.05
(1,1797)	1:43:A:ALA:H	1:42:A:LEU:HA	8	1.05
(1,1797)	1:43:A:ALA:H	1:42:A:LEU:HA	9	1.05
(1,1797)	1:43:A:ALA:H	1:42:A:LEU:HA	10	1.05
(1,1797)	1:43:A:ALA:H	1:42:A:LEU:HA	11	1.05
(1,1797)	1:43:A:ALA:H	1:42:A:LEU:HA	12	1.05
(1,1797)	1:43:A:ALA:H	1:42:A:LEU:HA	13	1.05
(1,1797)	1:43:A:ALA:H	1:42:A:LEU:HA	14	1.05
(1,1797)	1:43:A:ALA:H	1:42:A:LEU:HA	15	1.05
(1,1762)	1:36:A:ILE:H	1:33:A:ALA:HA	8	1.05
(1,1762)	1:36:A:ILE:H	1:33:A:ALA:HA	12	1.05
(1,1762)	1:36:A:ILE:H	1:33:A:ALA:HA	13	1.05
(1,1680)	1:17:A:LEU:HA	1:18:A:VAL:H	12	1.05
(1,1656)	1:14:A:ILE:H	1:13:A:PHE:HA	9	1.05
(1,1656)	1:14:A:ILE:H	1:13:A:PHE:HA	10	1.05
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD1	3	1.05
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD2	3	1.05
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD1	7	1.05
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD2	7	1.05
(1,1641)	1:13:A:PHE:H	1:12:A:VAL:HA	3	1.05
(1,1641)	1:13:A:PHE:H	1:12:A:VAL:HA	5	1.05
(1,1641)	1:13:A:PHE:H	1:12:A:VAL:HA	6	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1641)	1:13:A:PHE:H	1:12:A:VAL:HA	7	1.05
(1,1641)	1:13:A:PHE:H	1:12:A:VAL:HA	11	1.05
(1,1641)	1:13:A:PHE:H	1:12:A:VAL:HA	15	1.05
(1,1632)	1:12:A:VAL:HA	1:15:A:ILE:H	1	1.05
(1,1603)	1:6:A:PHE:HA	1:10:A:LEU:H	3	1.05
(1,1598)	1:6:A:PHE:HD1	1:9:A:LEU:HB3	8	1.05
(1,1598)	1:6:A:PHE:HD2	1:9:A:LEU:HB3	8	1.05
(1,1551)	1:2:A:PHE:HD1	1:3:A:ASP:H	2	1.05
(1,1551)	1:2:A:PHE:HD2	1:3:A:ASP:H	2	1.05
(1,1551)	1:2:A:PHE:HD1	1:3:A:ASP:H	6	1.05
(1,1551)	1:2:A:PHE:HD2	1:3:A:ASP:H	6	1.05
(1,1551)	1:2:A:PHE:HD1	1:3:A:ASP:H	10	1.05
(1,1551)	1:2:A:PHE:HD2	1:3:A:ASP:H	10	1.05
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB1	12	1.05
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB2	12	1.05
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB3	12	1.05
(1,1477)	1:75:A:THR:H	1:74:A:LEU:HG	15	1.05
(1,1471)	1:73:A:ASN:H	1:74:A:LEU:HA	9	1.05
(1,1453)	1:67:A:GLU:HG2	1:70:A:SER:H	8	1.05
(1,1453)	1:67:A:GLU:HG3	1:70:A:SER:H	8	1.05
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD21	12	1.05
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD22	12	1.05
(1,1433)	1:57:A:GLN:H	1:56:A:LEU:HD23	12	1.05
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB2	13	1.05
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB3	13	1.05
(1,1414)	1:47:A:GLN:H	1:44:A:THR:HB	12	1.05
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG11	1	1.05
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG12	1	1.05
(1,1341)	1:34:A:GLY:H	1:32:A:VAL:HG13	1	1.05
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD11	11	1.05
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD12	11	1.05
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD13	11	1.05
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD21	11	1.05
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD22	11	1.05
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD23	11	1.05
(1,1288)	1:16:A:GLY:H	1:17:A:LEU:HD21	12	1.05
(1,1288)	1:16:A:GLY:H	1:17:A:LEU:HD22	12	1.05
(1,1288)	1:16:A:GLY:H	1:17:A:LEU:HD23	12	1.05
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG21	1	1.05
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG22	1	1.05
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG23	1	1.05
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	8	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	8	1.04
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	8	1.04
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	8	1.04
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	8	1.04
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	8	1.04
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD21	5	1.04
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD22	5	1.04
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD23	5	1.04
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD21	7	1.04
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD22	7	1.04
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD23	7	1.04
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	4	1.04
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	4	1.04
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	4	1.04
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	4	1.04
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	4	1.04
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	4	1.04
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	4	1.04
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	4	1.04
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	4	1.04
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	5	1.04
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	5	1.04
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	5	1.04
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	5	1.04
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	5	1.04
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	5	1.04
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	5	1.04
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	5	1.04
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	5	1.04
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	7	1.04
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	7	1.04
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	7	1.04
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	7	1.04
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	7	1.04
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	7	1.04
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	7	1.04
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	7	1.04
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	7	1.04
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	14	1.04
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	14	1.04
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	14	1.04
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	14	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	14	1.04
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	14	1.04
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	14	1.04
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	14	1.04
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	14	1.04
(1,2854)	1:72:A:THR:HA	1:79:A:LYS:HA	8	1.04
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	5	1.04
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	5	1.04
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	5	1.04
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	5	1.04
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	5	1.04
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	5	1.04
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD11	1	1.04
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD12	1	1.04
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD13	1	1.04
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD21	1	1.04
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD22	1	1.04
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD23	1	1.04
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD11	9	1.04
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD12	9	1.04
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD13	9	1.04
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD21	9	1.04
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD22	9	1.04
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD23	9	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	3	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	3	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	3	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	3	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	3	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	3	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	3	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	3	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	3	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	3	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	3	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	3	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	4	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	4	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	4	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	4	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	4	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	4	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	4	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	4	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	4	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	4	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	4	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	4	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	5	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	5	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	5	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	5	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	5	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	5	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	5	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	5	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	5	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	5	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	5	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	5	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	6	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	6	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	6	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	6	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	6	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	6	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	6	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	6	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	6	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	6	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	6	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	6	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	8	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	8	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	8	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	8	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	8	1.04
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	8	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	8	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	8	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	8	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	8	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	8	1.04
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	8	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	9	1.04
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	9	1.04
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	9	1.04
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	9	1.04
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	9	1.04
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	9	1.04
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	13	1.04
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	13	1.04
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	13	1.04
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	13	1.04
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	13	1.04
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	13	1.04
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	15	1.04
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	15	1.04
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	15	1.04
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	15	1.04
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	15	1.04
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	15	1.04
(1,2826)	1:57:A:GLN:H	1:54:A:LEU:HA	9	1.04
(1,2826)	1:57:A:GLN:H	1:54:A:LEU:HA	13	1.04
(1,2826)	1:57:A:GLN:H	1:54:A:LEU:HA	14	1.04
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	4	1.04
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	4	1.04
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	4	1.04
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	4	1.04
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	4	1.04
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	4	1.04
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	7	1.04
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	7	1.04
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	7	1.04
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	7	1.04
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	7	1.04
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	7	1.04
(1,2820)	1:56:A:LEU:HB3	1:51:A:THR:H	7	1.04
(1,2818)	1:55:A:LYS:HG2	1:54:A:LEU:H	14	1.04
(1,2818)	1:55:A:LYS:HG3	1:54:A:LEU:H	14	1.04
(1,2801)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	1	1.04
(1,2801)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	1	1.04
(1,2801)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	1	1.04
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD21	6	1.04
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD22	6	1.04
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD23	6	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2779)	1:45:A:THR:HA	1:50:A:LEU:H	5	1.04
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	11	1.04
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	11	1.04
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	11	1.04
(1,2758)	1:21:A:GLY:H	1:24:A:ARG:H	1	1.04
(1,2758)	1:21:A:GLY:H	1:24:A:ARG:H	6	1.04
(1,2758)	1:21:A:GLY:H	1:24:A:ARG:H	14	1.04
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD21	1	1.04
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD22	1	1.04
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD23	1	1.04
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD21	9	1.04
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD22	9	1.04
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD23	9	1.04
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD21	11	1.04
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD22	11	1.04
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD23	11	1.04
(1,2748)	1:17:A:LEU:HA	1:24:A:ARG:HE	1	1.04
(1,2748)	1:17:A:LEU:HA	1:24:A:ARG:HE	9	1.04
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	8	1.04
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	8	1.04
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	8	1.04
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	8	1.04
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	8	1.04
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	8	1.04
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD21	5	1.04
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD22	5	1.04
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD23	5	1.04
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD21	7	1.04
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD22	7	1.04
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD23	7	1.04
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	4	1.04
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	4	1.04
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	4	1.04
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	4	1.04
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	4	1.04
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	4	1.04
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	4	1.04
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	4	1.04
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	4	1.04
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	5	1.04
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	5	1.04
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	5	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	5	1.04
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	5	1.04
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	5	1.04
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	5	1.04
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	5	1.04
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	5	1.04
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	7	1.04
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	7	1.04
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	7	1.04
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	7	1.04
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	7	1.04
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	7	1.04
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	7	1.04
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	7	1.04
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	7	1.04
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	14	1.04
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	14	1.04
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	14	1.04
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	14	1.04
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	14	1.04
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	14	1.04
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	14	1.04
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	14	1.04
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	14	1.04
(1,2730)	1:72:A:THR:HA	1:79:A:LYS:HA	8	1.04
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	5	1.04
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	5	1.04
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	5	1.04
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	5	1.04
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	5	1.04
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	5	1.04
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD11	1	1.04
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD12	1	1.04
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD13	1	1.04
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD21	1	1.04
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD22	1	1.04
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD23	1	1.04
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD11	9	1.04
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD12	9	1.04
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD13	9	1.04
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD21	9	1.04
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD22	9	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD23	9	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	3	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	3	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	3	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	3	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	3	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	3	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	3	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	3	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	3	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	3	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	3	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	3	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	4	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	4	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	4	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	4	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	4	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	4	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	4	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	4	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	4	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	4	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	4	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	4	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	5	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	5	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	5	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	5	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	5	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	5	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	5	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	5	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	5	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	5	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	5	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	5	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	6	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	6	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	6	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	6	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	6	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	6	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	6	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	6	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	6	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	6	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	6	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	6	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	8	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	8	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	8	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	8	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	8	1.04
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	8	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	8	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	8	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	8	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	8	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	8	1.04
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	8	1.04
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	9	1.04
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	9	1.04
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	9	1.04
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	9	1.04
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	9	1.04
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	9	1.04
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	13	1.04
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	13	1.04
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	13	1.04
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	13	1.04
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	13	1.04
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	13	1.04
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	15	1.04
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	15	1.04
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	15	1.04
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	15	1.04
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	15	1.04
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	15	1.04
(1,2702)	1:57:A:GLN:H	1:54:A:LEU:HA	9	1.04
(1,2702)	1:57:A:GLN:H	1:54:A:LEU:HA	13	1.04
(1,2702)	1:57:A:GLN:H	1:54:A:LEU:HA	14	1.04
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	4	1.04
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	4	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	4	1.04
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	4	1.04
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	4	1.04
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	4	1.04
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	7	1.04
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	7	1.04
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	7	1.04
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	7	1.04
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	7	1.04
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	7	1.04
(1,2696)	1:56:A:LEU:HB3	1:51:A:THR:H	7	1.04
(1,2694)	1:55:A:LYS:HG2	1:54:A:LEU:H	14	1.04
(1,2694)	1:55:A:LYS:HG3	1:54:A:LEU:H	14	1.04
(1,2677)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	1	1.04
(1,2677)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	1	1.04
(1,2677)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	1	1.04
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD21	6	1.04
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD22	6	1.04
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD23	6	1.04
(1,2655)	1:45:A:THR:HA	1:50:A:LEU:H	5	1.04
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	11	1.04
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	11	1.04
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	11	1.04
(1,2634)	1:21:A:GLY:H	1:24:A:ARG:H	1	1.04
(1,2634)	1:21:A:GLY:H	1:24:A:ARG:H	6	1.04
(1,2634)	1:21:A:GLY:H	1:24:A:ARG:H	14	1.04
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD21	1	1.04
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD22	1	1.04
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD23	1	1.04
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD21	9	1.04
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD22	9	1.04
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD23	9	1.04
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD21	11	1.04
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD22	11	1.04
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD23	11	1.04
(1,2624)	1:17:A:LEU:HA	1:24:A:ARG:HE	1	1.04
(1,2624)	1:17:A:LEU:HA	1:24:A:ARG:HE	9	1.04
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	8	1.04
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	8	1.04
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	8	1.04
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	8	1.04
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	8	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	8	1.04
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD21	5	1.04
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD22	5	1.04
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD23	5	1.04
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD21	7	1.04
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD22	7	1.04
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD23	7	1.04
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	4	1.04
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	4	1.04
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	4	1.04
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	4	1.04
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	4	1.04
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	4	1.04
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	4	1.04
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	4	1.04
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	4	1.04
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	5	1.04
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	5	1.04
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	5	1.04
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	5	1.04
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	5	1.04
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	5	1.04
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	5	1.04
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	5	1.04
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	5	1.04
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	7	1.04
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	7	1.04
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	7	1.04
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	7	1.04
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	7	1.04
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	7	1.04
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	7	1.04
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	7	1.04
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	7	1.04
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	14	1.04
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	14	1.04
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	14	1.04
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	14	1.04
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	14	1.04
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	14	1.04
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	14	1.04
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	14	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	14	1.04
(1,2606)	1:72:A:THR:HA	1:79:A:LYS:HA	8	1.04
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	5	1.04
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	5	1.04
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	5	1.04
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	5	1.04
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	5	1.04
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	5	1.04
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD11	1	1.04
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD12	1	1.04
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD13	1	1.04
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD21	1	1.04
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD22	1	1.04
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD23	1	1.04
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD11	9	1.04
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD12	9	1.04
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD13	9	1.04
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD21	9	1.04
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD22	9	1.04
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD23	9	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	3	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	3	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	3	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	3	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	3	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	3	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	3	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	3	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	3	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	3	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	3	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	3	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	4	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	4	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	4	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	4	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	4	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	4	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	4	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	4	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	4	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	4	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	4	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	4	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	5	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	5	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	5	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	5	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	5	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	5	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	5	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	5	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	5	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	5	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	5	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	5	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	6	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	6	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	6	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	6	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	6	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	6	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	6	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	6	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	6	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	6	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	6	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	6	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	8	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	8	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	8	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	8	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	8	1.04
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	8	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	8	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	8	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	8	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	8	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	8	1.04
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	8	1.04
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	9	1.04
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	9	1.04
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	9	1.04
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	9	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	9	1.04
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	9	1.04
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	13	1.04
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	13	1.04
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	13	1.04
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	13	1.04
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	13	1.04
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	13	1.04
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	15	1.04
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	15	1.04
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	15	1.04
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	15	1.04
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	15	1.04
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	15	1.04
(1,2578)	1:57:A:GLN:H	1:54:A:LEU:HA	9	1.04
(1,2578)	1:57:A:GLN:H	1:54:A:LEU:HA	13	1.04
(1,2578)	1:57:A:GLN:H	1:54:A:LEU:HA	14	1.04
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	4	1.04
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	4	1.04
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	4	1.04
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	4	1.04
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	4	1.04
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	4	1.04
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	7	1.04
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	7	1.04
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	7	1.04
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	7	1.04
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	7	1.04
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	7	1.04
(1,2572)	1:56:A:LEU:HB3	1:51:A:THR:H	7	1.04
(1,2570)	1:55:A:LYS:HG2	1:54:A:LEU:H	14	1.04
(1,2570)	1:55:A:LYS:HG3	1:54:A:LEU:H	14	1.04
(1,2553)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	1	1.04
(1,2553)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	1	1.04
(1,2553)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	1	1.04
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD21	6	1.04
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD22	6	1.04
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD23	6	1.04
(1,2531)	1:45:A:THR:HA	1:50:A:LEU:H	5	1.04
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	11	1.04
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	11	1.04
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	11	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2510)	1:21:A:GLY:H	1:24:A:ARG:H	1	1.04
(1,2510)	1:21:A:GLY:H	1:24:A:ARG:H	6	1.04
(1,2510)	1:21:A:GLY:H	1:24:A:ARG:H	14	1.04
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD21	1	1.04
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD22	1	1.04
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD23	1	1.04
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD21	9	1.04
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD22	9	1.04
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD23	9	1.04
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD21	11	1.04
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD22	11	1.04
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD23	11	1.04
(1,2500)	1:17:A:LEU:HA	1:24:A:ARG:HE	1	1.04
(1,2500)	1:17:A:LEU:HA	1:24:A:ARG:HE	9	1.04
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	8	1.04
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	8	1.04
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	8	1.04
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	8	1.04
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	8	1.04
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	8	1.04
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD21	5	1.04
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD22	5	1.04
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD23	5	1.04
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD21	7	1.04
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD22	7	1.04
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD23	7	1.04
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	4	1.04
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	4	1.04
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	4	1.04
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	4	1.04
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	4	1.04
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	4	1.04
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	4	1.04
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	4	1.04
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	4	1.04
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	5	1.04
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	5	1.04
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	5	1.04
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	5	1.04
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	5	1.04
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	5	1.04
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	5	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	5	1.04
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	5	1.04
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	7	1.04
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	7	1.04
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	7	1.04
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	7	1.04
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	7	1.04
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	7	1.04
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	7	1.04
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	7	1.04
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	7	1.04
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	14	1.04
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	14	1.04
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	14	1.04
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	14	1.04
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	14	1.04
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	14	1.04
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	14	1.04
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	14	1.04
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	14	1.04
(1,2482)	1:72:A:THR:HA	1:79:A:LYS:HA	8	1.04
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	5	1.04
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	5	1.04
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	5	1.04
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	5	1.04
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	5	1.04
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	5	1.04
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD11	1	1.04
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD12	1	1.04
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD13	1	1.04
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD21	1	1.04
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD22	1	1.04
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD23	1	1.04
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD11	9	1.04
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD12	9	1.04
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD13	9	1.04
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD21	9	1.04
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD22	9	1.04
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD23	9	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	3	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	3	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	3	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	3	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	3	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	3	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	3	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	3	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	3	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	3	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	3	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	3	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	4	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	4	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	4	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	4	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	4	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	4	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	4	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	4	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	4	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	4	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	4	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	4	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	5	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	5	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	5	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	5	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	5	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	5	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	5	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	5	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	5	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	5	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	5	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	5	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	6	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	6	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	6	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	6	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	6	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	6	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	6	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	6	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	6	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	6	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	6	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	6	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	8	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	8	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	8	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	8	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	8	1.04
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	8	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	8	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	8	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	8	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	8	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	8	1.04
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	8	1.04
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	9	1.04
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	9	1.04
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	9	1.04
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	9	1.04
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	9	1.04
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	9	1.04
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	13	1.04
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	13	1.04
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	13	1.04
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	13	1.04
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	13	1.04
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	13	1.04
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	15	1.04
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	15	1.04
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	15	1.04
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	15	1.04
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	15	1.04
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	15	1.04
(1,2454)	1:57:A:GLN:H	1:54:A:LEU:HA	9	1.04
(1,2454)	1:57:A:GLN:H	1:54:A:LEU:HA	13	1.04
(1,2454)	1:57:A:GLN:H	1:54:A:LEU:HA	14	1.04
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	4	1.04
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	4	1.04
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	4	1.04
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	4	1.04
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	4	1.04
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	4	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	7	1.04
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	7	1.04
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	7	1.04
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	7	1.04
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	7	1.04
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	7	1.04
(1,2448)	1:56:A:LEU:HB3	1:51:A:THR:H	7	1.04
(1,2446)	1:55:A:LYS:HG2	1:54:A:LEU:H	14	1.04
(1,2446)	1:55:A:LYS:HG3	1:54:A:LEU:H	14	1.04
(1,2429)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	1	1.04
(1,2429)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	1	1.04
(1,2429)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	1	1.04
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD21	6	1.04
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD22	6	1.04
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD23	6	1.04
(1,2407)	1:45:A:THR:HA	1:50:A:LEU:H	5	1.04
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	11	1.04
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	11	1.04
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	11	1.04
(1,2386)	1:21:A:GLY:H	1:24:A:ARG:H	1	1.04
(1,2386)	1:21:A:GLY:H	1:24:A:ARG:H	6	1.04
(1,2386)	1:21:A:GLY:H	1:24:A:ARG:H	14	1.04
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD21	1	1.04
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD22	1	1.04
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD23	1	1.04
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD21	9	1.04
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD22	9	1.04
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD23	9	1.04
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD21	11	1.04
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD22	11	1.04
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD23	11	1.04
(1,2376)	1:17:A:LEU:HA	1:24:A:ARG:HE	1	1.04
(1,2376)	1:17:A:LEU:HA	1:24:A:ARG:HE	9	1.04
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	8	1.04
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	8	1.04
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	8	1.04
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	8	1.04
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	8	1.04
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	8	1.04
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD21	5	1.04
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD22	5	1.04
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD23	5	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD21	7	1.04
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD22	7	1.04
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD23	7	1.04
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	4	1.04
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	4	1.04
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	4	1.04
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	4	1.04
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	4	1.04
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	4	1.04
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	4	1.04
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	4	1.04
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	4	1.04
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	5	1.04
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	5	1.04
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	5	1.04
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	5	1.04
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	5	1.04
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	5	1.04
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	5	1.04
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	5	1.04
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	5	1.04
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	7	1.04
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	7	1.04
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	7	1.04
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	7	1.04
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	7	1.04
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	7	1.04
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	7	1.04
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	7	1.04
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	7	1.04
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	14	1.04
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	14	1.04
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	14	1.04
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	14	1.04
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	14	1.04
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	14	1.04
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	14	1.04
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	14	1.04
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	14	1.04
(1,2358)	1:72:A:THR:HA	1:79:A:LYS:HA	8	1.04
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	5	1.04
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	5	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	5	1.04
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	5	1.04
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	5	1.04
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	5	1.04
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD11	1	1.04
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD12	1	1.04
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD13	1	1.04
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD21	1	1.04
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD22	1	1.04
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD23	1	1.04
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD11	9	1.04
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD12	9	1.04
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD13	9	1.04
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD21	9	1.04
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD22	9	1.04
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD23	9	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	3	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	3	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	3	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	3	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	3	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	3	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	3	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	3	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	3	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	3	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	3	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	3	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	4	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	4	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	4	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	4	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	4	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	4	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	4	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	4	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	4	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	4	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	4	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	4	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	5	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	5	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	5	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	5	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	5	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	5	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	5	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	5	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	5	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	5	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	5	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	5	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	6	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	6	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	6	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	6	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	6	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	6	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	6	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	6	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	6	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	6	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	6	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	6	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	8	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	8	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	8	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	8	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	8	1.04
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	8	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	8	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	8	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	8	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	8	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	8	1.04
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	8	1.04
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	9	1.04
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	9	1.04
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	9	1.04
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	9	1.04
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	9	1.04
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	9	1.04
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	13	1.04
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	13	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	13	1.04
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	13	1.04
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	13	1.04
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	13	1.04
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	15	1.04
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	15	1.04
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	15	1.04
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	15	1.04
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	15	1.04
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	15	1.04
(1,2330)	1:57:A:GLN:H	1:54:A:LEU:HA	9	1.04
(1,2330)	1:57:A:GLN:H	1:54:A:LEU:HA	13	1.04
(1,2330)	1:57:A:GLN:H	1:54:A:LEU:HA	14	1.04
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	4	1.04
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	4	1.04
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	4	1.04
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	4	1.04
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	4	1.04
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	4	1.04
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	7	1.04
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	7	1.04
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	7	1.04
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	7	1.04
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	7	1.04
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	7	1.04
(1,2324)	1:56:A:LEU:HB3	1:51:A:THR:H	7	1.04
(1,2322)	1:55:A:LYS:HG2	1:54:A:LEU:H	14	1.04
(1,2322)	1:55:A:LYS:HG3	1:54:A:LEU:H	14	1.04
(1,2305)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	1	1.04
(1,2305)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	1	1.04
(1,2305)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	1	1.04
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD21	6	1.04
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD22	6	1.04
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD23	6	1.04
(1,2283)	1:45:A:THR:HA	1:50:A:LEU:H	5	1.04
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	11	1.04
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	11	1.04
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	11	1.04
(1,2262)	1:21:A:GLY:H	1:24:A:ARG:H	1	1.04
(1,2262)	1:21:A:GLY:H	1:24:A:ARG:H	6	1.04
(1,2262)	1:21:A:GLY:H	1:24:A:ARG:H	14	1.04
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD21	1	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD22	1	1.04
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD23	1	1.04
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD21	9	1.04
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD22	9	1.04
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD23	9	1.04
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD21	11	1.04
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD22	11	1.04
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD23	11	1.04
(1,2252)	1:17:A:LEU:HA	1:24:A:ARG:HE	1	1.04
(1,2252)	1:17:A:LEU:HA	1:24:A:ARG:HE	9	1.04
(1,2240)	1:103:A:GLU:H	1:102:A:LEU:HA	9	1.04
(1,2234)	1:101:A:PRO:HD2	1:103:A:GLU:H	3	1.04
(1,2234)	1:101:A:PRO:HD3	1:103:A:GLU:H	3	1.04
(1,2216)	1:98:A:ALA:HA	1:100:A:ASP:H	1	1.04
(1,2216)	1:98:A:ALA:HA	1:100:A:ASP:H	13	1.04
(1,2216)	1:98:A:ALA:HA	1:100:A:ASP:H	15	1.04
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD1	9	1.04
(1,2202)	1:97:A:VAL:H	1:96:A:TYR:HD2	9	1.04
(1,2136)	1:89:A:ALA:HA	1:90:A:GLU:H	1	1.04
(1,2136)	1:89:A:ALA:HA	1:90:A:GLU:H	2	1.04
(1,2136)	1:89:A:ALA:HA	1:90:A:GLU:H	3	1.04
(1,2136)	1:89:A:ALA:HA	1:90:A:GLU:H	4	1.04
(1,2136)	1:89:A:ALA:HA	1:90:A:GLU:H	5	1.04
(1,2136)	1:89:A:ALA:HA	1:90:A:GLU:H	6	1.04
(1,2136)	1:89:A:ALA:HA	1:90:A:GLU:H	7	1.04
(1,2136)	1:89:A:ALA:HA	1:90:A:GLU:H	8	1.04
(1,2136)	1:89:A:ALA:HA	1:90:A:GLU:H	9	1.04
(1,2136)	1:89:A:ALA:HA	1:90:A:GLU:H	10	1.04
(1,2136)	1:89:A:ALA:HA	1:90:A:GLU:H	11	1.04
(1,2136)	1:89:A:ALA:HA	1:90:A:GLU:H	12	1.04
(1,2136)	1:89:A:ALA:HA	1:90:A:GLU:H	15	1.04
(1,2088)	1:83:A:ASP:HA	1:86:A:ARG:H	9	1.04
(1,2088)	1:83:A:ASP:HA	1:86:A:ARG:H	15	1.04
(1,2070)	1:82:A:MET:HA	1:83:A:ASP:H	6	1.04
(1,2070)	1:82:A:MET:HA	1:83:A:ASP:H	7	1.04
(1,2070)	1:82:A:MET:HA	1:83:A:ASP:H	8	1.04
(1,2042)	1:79:A:LYS:H	1:77:A:GLU:H	10	1.04
(1,2016)	1:76:A:PRO:HA	1:77:A:GLU:H	4	1.04
(1,2016)	1:76:A:PRO:HA	1:77:A:GLU:H	6	1.04
(1,2016)	1:76:A:PRO:HA	1:77:A:GLU:H	8	1.04
(1,2016)	1:76:A:PRO:HA	1:77:A:GLU:H	14	1.04
(1,2016)	1:76:A:PRO:HA	1:77:A:GLU:H	15	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2004)	1:74:A:LEU:HB2	1:75:A:THR:H	6	1.04
(1,2004)	1:74:A:LEU:HB3	1:75:A:THR:H	6	1.04
(1,1984)	1:73:A:ASN:H	1:71:A:LEU:HA	4	1.04
(1,1984)	1:73:A:ASN:H	1:71:A:LEU:HA	14	1.04
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB3	13	1.04
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB2	13	1.04
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG21	8	1.04
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG22	8	1.04
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG23	8	1.04
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD11	9	1.04
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD12	9	1.04
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD13	9	1.04
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD21	9	1.04
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD22	9	1.04
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD23	9	1.04
(1,1936)	1:66:A:VAL:HA	1:69:A:ALA:H	4	1.04
(1,1936)	1:66:A:VAL:HA	1:69:A:ALA:H	9	1.04
(1,1927)	1:65:A:LYS:H	1:64:A:LYS:HA	4	1.04
(1,1927)	1:65:A:LYS:H	1:64:A:LYS:HA	14	1.04
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD21	12	1.04
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD22	12	1.04
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD23	12	1.04
(1,1919)	1:65:A:LYS:H	1:62:A:SER:HA	2	1.04
(1,1915)	1:64:A:LYS:H	1:67:A:GLU:H	8	1.04
(1,1915)	1:64:A:LYS:H	1:67:A:GLU:H	11	1.04
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD1	5	1.04
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD2	5	1.04
(1,1887)	1:61:A:ASP:HA	1:64:A:LYS:H	1	1.04
(1,1887)	1:61:A:ASP:HA	1:64:A:LYS:H	13	1.04
(1,1882)	1:61:A:ASP:H	1:60:A:GLN:HB2	12	1.04
(1,1874)	1:60:A:GLN:HA	1:61:A:ASP:H	1	1.04
(1,1874)	1:60:A:GLN:HA	1:61:A:ASP:H	5	1.04
(1,1874)	1:60:A:GLN:HA	1:61:A:ASP:H	6	1.04
(1,1874)	1:60:A:GLN:HA	1:61:A:ASP:H	8	1.04
(1,1874)	1:60:A:GLN:HA	1:61:A:ASP:H	9	1.04
(1,1874)	1:60:A:GLN:HA	1:61:A:ASP:H	11	1.04
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG21	7	1.04
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG22	7	1.04
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG23	7	1.04
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG21	8	1.04
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG22	8	1.04
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG23	8	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG11	2	1.04
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG12	2	1.04
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG13	2	1.04
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG21	2	1.04
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG22	2	1.04
(1,1791)	1:42:A:LEU:HA	1:45:A:THR:HG23	2	1.04
(1,1762)	1:36:A:ILE:H	1:33:A:ALA:HA	4	1.04
(1,1762)	1:36:A:ILE:H	1:33:A:ALA:HA	5	1.04
(1,1762)	1:36:A:ILE:H	1:33:A:ALA:HA	14	1.04
(1,1762)	1:36:A:ILE:H	1:33:A:ALA:HA	15	1.04
(1,1758)	1:35:A:TRP:H	1:37:A:ARG:H	9	1.04
(1,1680)	1:17:A:LEU:HA	1:18:A:VAL:H	2	1.04
(1,1680)	1:17:A:LEU:HA	1:18:A:VAL:H	13	1.04
(1,1656)	1:14:A:ILE:H	1:13:A:PHE:HA	2	1.04
(1,1656)	1:14:A:ILE:H	1:13:A:PHE:HA	4	1.04
(1,1656)	1:14:A:ILE:H	1:13:A:PHE:HA	5	1.04
(1,1656)	1:14:A:ILE:H	1:13:A:PHE:HA	6	1.04
(1,1656)	1:14:A:ILE:H	1:13:A:PHE:HA	13	1.04
(1,1656)	1:14:A:ILE:H	1:13:A:PHE:HA	14	1.04
(1,1632)	1:12:A:VAL:HA	1:15:A:ILE:H	7	1.04
(1,1632)	1:12:A:VAL:HA	1:15:A:ILE:H	15	1.04
(1,1605)	1:8:A:GLU:HB2	1:4:A:ILE:HB	2	1.04
(1,1605)	1:8:A:GLU:HB2	1:4:A:ILE:HB	9	1.04
(1,1605)	1:8:A:GLU:HB2	1:4:A:ILE:HB	10	1.04
(1,1551)	1:2:A:PHE:HD1	1:3:A:ASP:H	4	1.04
(1,1551)	1:2:A:PHE:HD2	1:3:A:ASP:H	4	1.04
(1,1551)	1:2:A:PHE:HD1	1:3:A:ASP:H	7	1.04
(1,1551)	1:2:A:PHE:HD2	1:3:A:ASP:H	7	1.04
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE1	1	1.04
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE2	1	1.04
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE3	1	1.04
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE1	1	1.04
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE2	1	1.04
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE3	1	1.04
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE1	3	1.04
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE2	3	1.04
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE3	3	1.04
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE1	3	1.04
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE2	3	1.04
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE3	3	1.04
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE1	9	1.04
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE2	9	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE3	9	1.04
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE1	9	1.04
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE2	9	1.04
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE3	9	1.04
(1,1526)	1:95:A:SER:HA	1:94:A:ARG:HG2	3	1.04
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB1	13	1.04
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB2	13	1.04
(1,1503)	1:86:A:ARG:H	1:89:A:ALA:HB3	13	1.04
(1,1474)	1:73:A:ASN:H	1:75:A:THR:H	3	1.04
(1,1471)	1:73:A:ASN:H	1:74:A:LEU:HA	13	1.04
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB1	13	1.04
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB2	13	1.04
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB3	13	1.04
(1,1453)	1:67:A:GLU:HG2	1:70:A:SER:H	15	1.04
(1,1453)	1:67:A:GLU:HG3	1:70:A:SER:H	15	1.04
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG11	13	1.04
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG12	13	1.04
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG13	13	1.04
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD11	9	1.04
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD12	9	1.04
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD13	9	1.04
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD21	9	1.04
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD22	9	1.04
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD23	9	1.04
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD11	3	1.04
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD12	3	1.04
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD13	3	1.04
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD11	7	1.04
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD12	7	1.04
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD13	7	1.04
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD11	9	1.04
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD12	9	1.04
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD13	9	1.04
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD11	15	1.04
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD12	15	1.04
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD13	15	1.04
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG21	2	1.04
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG22	2	1.04
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG23	2	1.04
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG21	2	1.04
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG22	2	1.04
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG23	2	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG21	10	1.04
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG22	10	1.04
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG23	10	1.04
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG21	10	1.04
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG22	10	1.04
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG23	10	1.04
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	4	1.03
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	4	1.03
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	4	1.03
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	4	1.03
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	4	1.03
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	4	1.03
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	14	1.03
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	14	1.03
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	14	1.03
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	14	1.03
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	14	1.03
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	14	1.03
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD21	15	1.03
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD22	15	1.03
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD23	15	1.03
(1,2856)	1:73:A:ASN:H	1:71:A:LEU:H	6	1.03
(1,2856)	1:73:A:ASN:H	1:71:A:LEU:H	8	1.03
(1,2854)	1:72:A:THR:HA	1:79:A:LYS:HA	2	1.03
(1,2854)	1:72:A:THR:HA	1:79:A:LYS:HA	6	1.03
(1,2854)	1:72:A:THR:HA	1:79:A:LYS:HA	7	1.03
(1,2854)	1:72:A:THR:HA	1:79:A:LYS:HA	12	1.03
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD11	7	1.03
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD12	7	1.03
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD13	7	1.03
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	10	1.03
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	10	1.03
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	10	1.03
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	10	1.03
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD11	2	1.03
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD12	2	1.03
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD13	2	1.03
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD11	5	1.03
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD12	5	1.03
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD13	5	1.03
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD21	5	1.03
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD22	5	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD23	5	1.03
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	1	1.03
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	1	1.03
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	1	1.03
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	1	1.03
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	1	1.03
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	1	1.03
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	2	1.03
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	2	1.03
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	2	1.03
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	2	1.03
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	2	1.03
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	2	1.03
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	5	1.03
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	5	1.03
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	5	1.03
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	5	1.03
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	5	1.03
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	5	1.03
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	6	1.03
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	6	1.03
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	6	1.03
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	6	1.03
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	6	1.03
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	6	1.03
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	8	1.03
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	8	1.03
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	8	1.03
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	8	1.03
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	8	1.03
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	8	1.03
(1,2826)	1:57:A:GLN:H	1:54:A:LEU:HA	1	1.03
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	2	1.03
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	2	1.03
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	2	1.03
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	2	1.03
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	2	1.03
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	2	1.03
(1,2820)	1:56:A:LEU:HB3	1:51:A:THR:H	4	1.03
(1,2820)	1:56:A:LEU:HB3	1:51:A:THR:H	5	1.03
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD21	1	1.03
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD22	1	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD23	1	1.03
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD21	9	1.03
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD22	9	1.03
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD23	9	1.03
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB2	15	1.03
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB3	15	1.03
(1,2803)	1:50:A:LEU:H	1:54:A:LEU:HB3	14	1.03
(1,2801)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	13	1.03
(1,2801)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	13	1.03
(1,2801)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	13	1.03
(1,2800)	1:49:A:GLU:HA	1:54:A:LEU:H	2	1.03
(1,2796)	1:49:A:GLU:H	1:51:A:THR:HA	10	1.03
(1,2794)	1:49:A:GLU:HA	1:47:A:GLN:H	2	1.03
(1,2794)	1:49:A:GLU:HA	1:47:A:GLN:H	3	1.03
(1,2794)	1:49:A:GLU:HA	1:47:A:GLN:H	4	1.03
(1,2794)	1:49:A:GLU:HA	1:47:A:GLN:H	6	1.03
(1,2793)	1:49:A:GLU:H	1:44:A:THR:HA	2	1.03
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG21	10	1.03
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG22	10	1.03
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG23	10	1.03
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG21	10	1.03
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG22	10	1.03
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG23	10	1.03
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD21	5	1.03
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD22	5	1.03
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD23	5	1.03
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD21	11	1.03
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD22	11	1.03
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD23	11	1.03
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG2	4	1.03
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG3	4	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	1	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	1	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	1	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	3	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	3	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	3	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	4	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	4	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	4	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	5	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	5	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	5	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	6	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	6	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	6	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	7	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	7	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	7	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	8	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	8	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	8	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	9	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	9	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	9	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	10	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	10	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	10	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	14	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	14	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	14	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	15	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	15	1.03
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	15	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD21	3	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD22	3	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD23	3	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD21	4	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD22	4	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD23	4	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD21	5	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD22	5	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD23	5	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD21	6	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD22	6	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD23	6	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD21	7	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD22	7	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD23	7	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD21	8	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD22	8	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD23	8	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD21	10	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD22	10	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD23	10	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD21	14	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD22	14	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD23	14	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD21	15	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD22	15	1.03
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD23	15	1.03
(1,2748)	1:17:A:LEU:HA	1:24:A:ARG:HE	3	1.03
(1,2748)	1:17:A:LEU:HA	1:24:A:ARG:HE	4	1.03
(1,2748)	1:17:A:LEU:HA	1:24:A:ARG:HE	5	1.03
(1,2748)	1:17:A:LEU:HA	1:24:A:ARG:HE	6	1.03
(1,2748)	1:17:A:LEU:HA	1:24:A:ARG:HE	7	1.03
(1,2748)	1:17:A:LEU:HA	1:24:A:ARG:HE	8	1.03
(1,2748)	1:17:A:LEU:HA	1:24:A:ARG:HE	10	1.03
(1,2748)	1:17:A:LEU:HA	1:24:A:ARG:HE	11	1.03
(1,2748)	1:17:A:LEU:HA	1:24:A:ARG:HE	14	1.03
(1,2748)	1:17:A:LEU:HA	1:24:A:ARG:HE	15	1.03
(1,2747)	1:17:A:LEU:H	1:22:A:PRO:HA	9	1.03
(1,2747)	1:17:A:LEU:H	1:22:A:PRO:HA	13	1.03
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	4	1.03
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	4	1.03
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	4	1.03
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	4	1.03
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	4	1.03
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	4	1.03
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	14	1.03
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	14	1.03
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	14	1.03
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	14	1.03
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	14	1.03
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	14	1.03
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD21	15	1.03
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD22	15	1.03
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD23	15	1.03
(1,2732)	1:73:A:ASN:H	1:71:A:LEU:H	6	1.03
(1,2732)	1:73:A:ASN:H	1:71:A:LEU:H	8	1.03
(1,2730)	1:72:A:THR:HA	1:79:A:LYS:HA	2	1.03
(1,2730)	1:72:A:THR:HA	1:79:A:LYS:HA	6	1.03
(1,2730)	1:72:A:THR:HA	1:79:A:LYS:HA	7	1.03
(1,2730)	1:72:A:THR:HA	1:79:A:LYS:HA	12	1.03
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD11	7	1.03
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD12	7	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD13	7	1.03
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	10	1.03
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	10	1.03
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	10	1.03
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	10	1.03
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD11	2	1.03
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD12	2	1.03
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD13	2	1.03
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD11	5	1.03
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD12	5	1.03
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD13	5	1.03
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD21	5	1.03
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD22	5	1.03
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD23	5	1.03
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	1	1.03
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	1	1.03
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	1	1.03
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	1	1.03
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	1	1.03
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	1	1.03
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	2	1.03
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	2	1.03
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	2	1.03
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	2	1.03
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	2	1.03
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	2	1.03
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	5	1.03
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	5	1.03
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	5	1.03
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	5	1.03
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	5	1.03
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	5	1.03
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	6	1.03
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	6	1.03
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	6	1.03
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	6	1.03
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	6	1.03
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	6	1.03
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	8	1.03
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	8	1.03
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	8	1.03
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	8	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	8	1.03
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	8	1.03
(1,2702)	1:57:A:GLN:H	1:54:A:LEU:HA	1	1.03
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	2	1.03
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	2	1.03
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	2	1.03
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	2	1.03
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	2	1.03
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	2	1.03
(1,2696)	1:56:A:LEU:HB3	1:51:A:THR:H	4	1.03
(1,2696)	1:56:A:LEU:HB3	1:51:A:THR:H	5	1.03
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD21	1	1.03
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD22	1	1.03
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD23	1	1.03
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD21	9	1.03
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD22	9	1.03
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD23	9	1.03
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB2	15	1.03
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB3	15	1.03
(1,2679)	1:50:A:LEU:H	1:54:A:LEU:HB3	14	1.03
(1,2677)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	13	1.03
(1,2677)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	13	1.03
(1,2677)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	13	1.03
(1,2676)	1:49:A:GLU:HA	1:54:A:LEU:H	2	1.03
(1,2672)	1:49:A:GLU:H	1:51:A:THR:HA	10	1.03
(1,2670)	1:49:A:GLU:HA	1:47:A:GLN:H	2	1.03
(1,2670)	1:49:A:GLU:HA	1:47:A:GLN:H	3	1.03
(1,2670)	1:49:A:GLU:HA	1:47:A:GLN:H	4	1.03
(1,2670)	1:49:A:GLU:HA	1:47:A:GLN:H	6	1.03
(1,2669)	1:49:A:GLU:H	1:44:A:THR:HA	2	1.03
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG21	10	1.03
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG22	10	1.03
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG23	10	1.03
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG21	10	1.03
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG22	10	1.03
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG23	10	1.03
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD21	5	1.03
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD22	5	1.03
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD23	5	1.03
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD21	11	1.03
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD22	11	1.03
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD23	11	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG2	4	1.03
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG3	4	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	1	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	1	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	1	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	3	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	3	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	3	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	4	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	4	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	4	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	5	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	5	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	5	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	6	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	6	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	6	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	7	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	7	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	7	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	8	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	8	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	8	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	9	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	9	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	9	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	10	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	10	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	10	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	14	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	14	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	14	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	15	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	15	1.03
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	15	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD21	3	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD22	3	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD23	3	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD21	4	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD22	4	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD23	4	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD21	5	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD22	5	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD23	5	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD21	6	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD22	6	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD23	6	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD21	7	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD22	7	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD23	7	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD21	8	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD22	8	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD23	8	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD21	10	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD22	10	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD23	10	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD21	14	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD22	14	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD23	14	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD21	15	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD22	15	1.03
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD23	15	1.03
(1,2624)	1:17:A:LEU:HA	1:24:A:ARG:HE	3	1.03
(1,2624)	1:17:A:LEU:HA	1:24:A:ARG:HE	4	1.03
(1,2624)	1:17:A:LEU:HA	1:24:A:ARG:HE	5	1.03
(1,2624)	1:17:A:LEU:HA	1:24:A:ARG:HE	6	1.03
(1,2624)	1:17:A:LEU:HA	1:24:A:ARG:HE	7	1.03
(1,2624)	1:17:A:LEU:HA	1:24:A:ARG:HE	8	1.03
(1,2624)	1:17:A:LEU:HA	1:24:A:ARG:HE	10	1.03
(1,2624)	1:17:A:LEU:HA	1:24:A:ARG:HE	11	1.03
(1,2624)	1:17:A:LEU:HA	1:24:A:ARG:HE	14	1.03
(1,2624)	1:17:A:LEU:HA	1:24:A:ARG:HE	15	1.03
(1,2623)	1:17:A:LEU:H	1:22:A:PRO:HA	9	1.03
(1,2623)	1:17:A:LEU:H	1:22:A:PRO:HA	13	1.03
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	4	1.03
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	4	1.03
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	4	1.03
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	4	1.03
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	4	1.03
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	4	1.03
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	14	1.03
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	14	1.03
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	14	1.03
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	14	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	14	1.03
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	14	1.03
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD21	15	1.03
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD22	15	1.03
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD23	15	1.03
(1,2608)	1:73:A:ASN:H	1:71:A:LEU:H	6	1.03
(1,2608)	1:73:A:ASN:H	1:71:A:LEU:H	8	1.03
(1,2606)	1:72:A:THR:HA	1:79:A:LYS:HA	2	1.03
(1,2606)	1:72:A:THR:HA	1:79:A:LYS:HA	6	1.03
(1,2606)	1:72:A:THR:HA	1:79:A:LYS:HA	7	1.03
(1,2606)	1:72:A:THR:HA	1:79:A:LYS:HA	12	1.03
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD11	7	1.03
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD12	7	1.03
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD13	7	1.03
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	10	1.03
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	10	1.03
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	10	1.03
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	10	1.03
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD11	2	1.03
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD12	2	1.03
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD13	2	1.03
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD11	5	1.03
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD12	5	1.03
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD13	5	1.03
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD21	5	1.03
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD22	5	1.03
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD23	5	1.03
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	1	1.03
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	1	1.03
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	1	1.03
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	1	1.03
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	1	1.03
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	1	1.03
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	2	1.03
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	2	1.03
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	2	1.03
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	2	1.03
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	2	1.03
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	2	1.03
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	5	1.03
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	5	1.03
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	5	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	5	1.03
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	5	1.03
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	5	1.03
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	6	1.03
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	6	1.03
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	6	1.03
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	6	1.03
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	6	1.03
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	6	1.03
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	8	1.03
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	8	1.03
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	8	1.03
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	8	1.03
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	8	1.03
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	8	1.03
(1,2578)	1:57:A:GLN:H	1:54:A:LEU:HA	1	1.03
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	2	1.03
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	2	1.03
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	2	1.03
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	2	1.03
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	2	1.03
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	2	1.03
(1,2572)	1:56:A:LEU:HB3	1:51:A:THR:H	4	1.03
(1,2572)	1:56:A:LEU:HB3	1:51:A:THR:H	5	1.03
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD21	1	1.03
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD22	1	1.03
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD23	1	1.03
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD21	9	1.03
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD22	9	1.03
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD23	9	1.03
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB2	15	1.03
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB3	15	1.03
(1,2555)	1:50:A:LEU:H	1:54:A:LEU:HB3	14	1.03
(1,2553)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	13	1.03
(1,2553)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	13	1.03
(1,2553)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	13	1.03
(1,2552)	1:49:A:GLU:HA	1:54:A:LEU:H	2	1.03
(1,2548)	1:49:A:GLU:H	1:51:A:THR:HA	10	1.03
(1,2546)	1:49:A:GLU:HA	1:47:A:GLN:H	2	1.03
(1,2546)	1:49:A:GLU:HA	1:47:A:GLN:H	3	1.03
(1,2546)	1:49:A:GLU:HA	1:47:A:GLN:H	4	1.03
(1,2546)	1:49:A:GLU:HA	1:47:A:GLN:H	6	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2545)	1:49:A:GLU:H	1:44:A:THR:HA	2	1.03
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG21	10	1.03
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG22	10	1.03
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG23	10	1.03
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG21	10	1.03
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG22	10	1.03
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG23	10	1.03
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD21	5	1.03
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD22	5	1.03
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD23	5	1.03
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD21	11	1.03
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD22	11	1.03
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD23	11	1.03
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG2	4	1.03
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG3	4	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	1	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	1	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	1	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	3	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	3	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	3	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	4	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	4	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	4	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	5	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	5	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	5	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	6	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	6	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	6	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	7	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	7	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	7	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	8	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	8	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	8	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	9	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	9	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	9	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	10	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	10	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	10	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	14	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	14	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	14	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	15	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	15	1.03
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	15	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD21	3	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD22	3	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD23	3	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD21	4	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD22	4	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD23	4	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD21	5	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD22	5	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD23	5	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD21	6	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD22	6	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD23	6	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD21	7	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD22	7	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD23	7	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD21	8	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD22	8	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD23	8	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD21	10	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD22	10	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD23	10	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD21	14	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD22	14	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD23	14	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD21	15	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD22	15	1.03
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD23	15	1.03
(1,2500)	1:17:A:LEU:HA	1:24:A:ARG:HE	3	1.03
(1,2500)	1:17:A:LEU:HA	1:24:A:ARG:HE	4	1.03
(1,2500)	1:17:A:LEU:HA	1:24:A:ARG:HE	5	1.03
(1,2500)	1:17:A:LEU:HA	1:24:A:ARG:HE	6	1.03
(1,2500)	1:17:A:LEU:HA	1:24:A:ARG:HE	7	1.03
(1,2500)	1:17:A:LEU:HA	1:24:A:ARG:HE	8	1.03
(1,2500)	1:17:A:LEU:HA	1:24:A:ARG:HE	10	1.03
(1,2500)	1:17:A:LEU:HA	1:24:A:ARG:HE	11	1.03
(1,2500)	1:17:A:LEU:HA	1:24:A:ARG:HE	14	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2500)	1:17:A:LEU:HA	1:24:A:ARG:HE	15	1.03
(1,2499)	1:17:A:LEU:H	1:22:A:PRO:HA	9	1.03
(1,2499)	1:17:A:LEU:H	1:22:A:PRO:HA	13	1.03
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	4	1.03
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	4	1.03
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	4	1.03
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	4	1.03
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	4	1.03
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	4	1.03
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	14	1.03
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	14	1.03
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	14	1.03
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	14	1.03
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	14	1.03
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	14	1.03
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD21	15	1.03
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD22	15	1.03
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD23	15	1.03
(1,2484)	1:73:A:ASN:H	1:71:A:LEU:H	6	1.03
(1,2484)	1:73:A:ASN:H	1:71:A:LEU:H	8	1.03
(1,2482)	1:72:A:THR:HA	1:79:A:LYS:HA	2	1.03
(1,2482)	1:72:A:THR:HA	1:79:A:LYS:HA	6	1.03
(1,2482)	1:72:A:THR:HA	1:79:A:LYS:HA	7	1.03
(1,2482)	1:72:A:THR:HA	1:79:A:LYS:HA	12	1.03
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD11	7	1.03
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD12	7	1.03
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD13	7	1.03
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	10	1.03
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	10	1.03
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	10	1.03
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	10	1.03
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD11	2	1.03
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD12	2	1.03
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD13	2	1.03
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD11	5	1.03
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD12	5	1.03
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD13	5	1.03
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD21	5	1.03
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD22	5	1.03
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD23	5	1.03
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	1	1.03
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	1	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	1	1.03
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	1	1.03
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	1	1.03
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	1	1.03
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	2	1.03
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	2	1.03
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	2	1.03
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	2	1.03
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	2	1.03
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	2	1.03
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	5	1.03
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	5	1.03
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	5	1.03
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	5	1.03
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	5	1.03
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	5	1.03
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	6	1.03
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	6	1.03
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	6	1.03
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	6	1.03
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	6	1.03
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	6	1.03
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	8	1.03
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	8	1.03
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	8	1.03
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	8	1.03
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	8	1.03
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	8	1.03
(1,2454)	1:57:A:GLN:H	1:54:A:LEU:HA	1	1.03
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	2	1.03
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	2	1.03
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	2	1.03
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	2	1.03
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	2	1.03
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	2	1.03
(1,2448)	1:56:A:LEU:HB3	1:51:A:THR:H	4	1.03
(1,2448)	1:56:A:LEU:HB3	1:51:A:THR:H	5	1.03
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD21	1	1.03
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD22	1	1.03
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD23	1	1.03
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD21	9	1.03
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD22	9	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD23	9	1.03
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB2	15	1.03
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB3	15	1.03
(1,2431)	1:50:A:LEU:H	1:54:A:LEU:HB3	14	1.03
(1,2429)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	13	1.03
(1,2429)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	13	1.03
(1,2429)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	13	1.03
(1,2428)	1:49:A:GLU:HA	1:54:A:LEU:H	2	1.03
(1,2424)	1:49:A:GLU:H	1:51:A:THR:HA	10	1.03
(1,2422)	1:49:A:GLU:HA	1:47:A:GLN:H	2	1.03
(1,2422)	1:49:A:GLU:HA	1:47:A:GLN:H	3	1.03
(1,2422)	1:49:A:GLU:HA	1:47:A:GLN:H	4	1.03
(1,2422)	1:49:A:GLU:HA	1:47:A:GLN:H	6	1.03
(1,2421)	1:49:A:GLU:H	1:44:A:THR:HA	2	1.03
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG21	10	1.03
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG22	10	1.03
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG23	10	1.03
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG21	10	1.03
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG22	10	1.03
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG23	10	1.03
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD21	5	1.03
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD22	5	1.03
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD23	5	1.03
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD21	11	1.03
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD22	11	1.03
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD23	11	1.03
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG2	4	1.03
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG3	4	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	1	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	1	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	1	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	3	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	3	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	3	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	4	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	4	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	4	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	5	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	5	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	5	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	6	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	6	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	6	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	7	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	7	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	7	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	8	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	8	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	8	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	9	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	9	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	9	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	10	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	10	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	10	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	14	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	14	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	14	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	15	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	15	1.03
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	15	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD21	3	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD22	3	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD23	3	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD21	4	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD22	4	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD23	4	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD21	5	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD22	5	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD23	5	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD21	6	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD22	6	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD23	6	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD21	7	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD22	7	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD23	7	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD21	8	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD22	8	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD23	8	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD21	10	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD22	10	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD23	10	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD21	14	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD22	14	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD23	14	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD21	15	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD22	15	1.03
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD23	15	1.03
(1,2376)	1:17:A:LEU:HA	1:24:A:ARG:HE	3	1.03
(1,2376)	1:17:A:LEU:HA	1:24:A:ARG:HE	4	1.03
(1,2376)	1:17:A:LEU:HA	1:24:A:ARG:HE	5	1.03
(1,2376)	1:17:A:LEU:HA	1:24:A:ARG:HE	6	1.03
(1,2376)	1:17:A:LEU:HA	1:24:A:ARG:HE	7	1.03
(1,2376)	1:17:A:LEU:HA	1:24:A:ARG:HE	8	1.03
(1,2376)	1:17:A:LEU:HA	1:24:A:ARG:HE	10	1.03
(1,2376)	1:17:A:LEU:HA	1:24:A:ARG:HE	11	1.03
(1,2376)	1:17:A:LEU:HA	1:24:A:ARG:HE	14	1.03
(1,2376)	1:17:A:LEU:HA	1:24:A:ARG:HE	15	1.03
(1,2375)	1:17:A:LEU:H	1:22:A:PRO:HA	9	1.03
(1,2375)	1:17:A:LEU:H	1:22:A:PRO:HA	13	1.03
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	4	1.03
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	4	1.03
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	4	1.03
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	4	1.03
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	4	1.03
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	4	1.03
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	14	1.03
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	14	1.03
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	14	1.03
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	14	1.03
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	14	1.03
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	14	1.03
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD21	15	1.03
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD22	15	1.03
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD23	15	1.03
(1,2360)	1:73:A:ASN:H	1:71:A:LEU:H	6	1.03
(1,2360)	1:73:A:ASN:H	1:71:A:LEU:H	8	1.03
(1,2358)	1:72:A:THR:HA	1:79:A:LYS:HA	2	1.03
(1,2358)	1:72:A:THR:HA	1:79:A:LYS:HA	6	1.03
(1,2358)	1:72:A:THR:HA	1:79:A:LYS:HA	7	1.03
(1,2358)	1:72:A:THR:HA	1:79:A:LYS:HA	12	1.03
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD11	7	1.03
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD12	7	1.03
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD13	7	1.03
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	10	1.03
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	10	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	10	1.03
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	10	1.03
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD11	2	1.03
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD12	2	1.03
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD13	2	1.03
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD11	5	1.03
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD12	5	1.03
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD13	5	1.03
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD21	5	1.03
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD22	5	1.03
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD23	5	1.03
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	1	1.03
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	1	1.03
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	1	1.03
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	1	1.03
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	1	1.03
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	1	1.03
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	2	1.03
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	2	1.03
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	2	1.03
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	2	1.03
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	2	1.03
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	2	1.03
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	5	1.03
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	5	1.03
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	5	1.03
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	5	1.03
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	5	1.03
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	5	1.03
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	6	1.03
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	6	1.03
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	6	1.03
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	6	1.03
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	6	1.03
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	6	1.03
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	8	1.03
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	8	1.03
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	8	1.03
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	8	1.03
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	8	1.03
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	8	1.03
(1,2330)	1:57:A:GLN:H	1:54:A:LEU:HA	1	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	2	1.03
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	2	1.03
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	2	1.03
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	2	1.03
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	2	1.03
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	2	1.03
(1,2324)	1:56:A:LEU:HB3	1:51:A:THR:H	4	1.03
(1,2324)	1:56:A:LEU:HB3	1:51:A:THR:H	5	1.03
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD21	1	1.03
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD22	1	1.03
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD23	1	1.03
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD21	9	1.03
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD22	9	1.03
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD23	9	1.03
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB2	15	1.03
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB3	15	1.03
(1,2307)	1:50:A:LEU:H	1:54:A:LEU:HB3	14	1.03
(1,2305)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	13	1.03
(1,2305)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	13	1.03
(1,2305)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	13	1.03
(1,2304)	1:49:A:GLU:HA	1:54:A:LEU:H	2	1.03
(1,2300)	1:49:A:GLU:H	1:51:A:THR:HA	10	1.03
(1,2298)	1:49:A:GLU:HA	1:47:A:GLN:H	2	1.03
(1,2298)	1:49:A:GLU:HA	1:47:A:GLN:H	3	1.03
(1,2298)	1:49:A:GLU:HA	1:47:A:GLN:H	4	1.03
(1,2298)	1:49:A:GLU:HA	1:47:A:GLN:H	6	1.03
(1,2297)	1:49:A:GLU:H	1:44:A:THR:HA	2	1.03
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG21	10	1.03
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG22	10	1.03
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG23	10	1.03
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG21	10	1.03
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG22	10	1.03
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG23	10	1.03
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD21	5	1.03
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD22	5	1.03
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD23	5	1.03
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD21	11	1.03
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD22	11	1.03
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD23	11	1.03
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG2	4	1.03
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG3	4	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	1	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	1	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	1	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	3	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	3	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	3	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	4	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	4	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	4	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	5	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	5	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	5	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	6	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	6	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	6	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	7	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	7	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	7	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	8	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	8	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	8	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	9	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	9	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	9	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	10	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	10	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	10	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	14	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	14	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	14	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	15	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	15	1.03
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	15	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD21	3	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD22	3	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD23	3	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD21	4	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD22	4	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD23	4	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD21	5	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD22	5	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD23	5	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD21	6	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD22	6	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD23	6	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD21	7	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD22	7	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD23	7	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD21	8	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD22	8	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD23	8	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD21	10	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD22	10	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD23	10	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD21	14	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD22	14	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD23	14	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD21	15	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD22	15	1.03
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD23	15	1.03
(1,2252)	1:17:A:LEU:HA	1:24:A:ARG:HE	3	1.03
(1,2252)	1:17:A:LEU:HA	1:24:A:ARG:HE	4	1.03
(1,2252)	1:17:A:LEU:HA	1:24:A:ARG:HE	5	1.03
(1,2252)	1:17:A:LEU:HA	1:24:A:ARG:HE	6	1.03
(1,2252)	1:17:A:LEU:HA	1:24:A:ARG:HE	7	1.03
(1,2252)	1:17:A:LEU:HA	1:24:A:ARG:HE	8	1.03
(1,2252)	1:17:A:LEU:HA	1:24:A:ARG:HE	10	1.03
(1,2252)	1:17:A:LEU:HA	1:24:A:ARG:HE	11	1.03
(1,2252)	1:17:A:LEU:HA	1:24:A:ARG:HE	14	1.03
(1,2252)	1:17:A:LEU:HA	1:24:A:ARG:HE	15	1.03
(1,2251)	1:17:A:LEU:H	1:22:A:PRO:HA	9	1.03
(1,2251)	1:17:A:LEU:H	1:22:A:PRO:HA	13	1.03
(1,2245)	1:103:A:GLU:H	1:102:A:LEU:HB2	3	1.03
(1,2240)	1:103:A:GLU:H	1:102:A:LEU:HA	3	1.03
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB1	11	1.03
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB2	11	1.03
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB3	11	1.03
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB1	11	1.03
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB2	11	1.03
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB3	11	1.03
(1,2213)	1:98:A:ALA:H	1:97:A:VAL:HB	12	1.03
(1,2088)	1:83:A:ASP:HA	1:86:A:ARG:H	1	1.03
(1,2088)	1:83:A:ASP:HA	1:86:A:ARG:H	4	1.03
(1,2070)	1:82:A:MET:HA	1:83:A:ASP:H	1	1.03
(1,2070)	1:82:A:MET:HA	1:83:A:ASP:H	2	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2070)	1:82:A:MET:HA	1:83:A:ASP:H	3	1.03
(1,2070)	1:82:A:MET:HA	1:83:A:ASP:H	4	1.03
(1,2070)	1:82:A:MET:HA	1:83:A:ASP:H	5	1.03
(1,2070)	1:82:A:MET:HA	1:83:A:ASP:H	9	1.03
(1,2070)	1:82:A:MET:HA	1:83:A:ASP:H	10	1.03
(1,2070)	1:82:A:MET:HA	1:83:A:ASP:H	11	1.03
(1,2070)	1:82:A:MET:HA	1:83:A:ASP:H	12	1.03
(1,2070)	1:82:A:MET:HA	1:83:A:ASP:H	13	1.03
(1,2070)	1:82:A:MET:HA	1:83:A:ASP:H	14	1.03
(1,2070)	1:82:A:MET:HA	1:83:A:ASP:H	15	1.03
(1,2042)	1:79:A:LYS:H	1:77:A:GLU:H	1	1.03
(1,2042)	1:79:A:LYS:H	1:77:A:GLU:H	2	1.03
(1,2042)	1:79:A:LYS:H	1:77:A:GLU:H	12	1.03
(1,2016)	1:76:A:PRO:HA	1:77:A:GLU:H	1	1.03
(1,2016)	1:76:A:PRO:HA	1:77:A:GLU:H	2	1.03
(1,2016)	1:76:A:PRO:HA	1:77:A:GLU:H	5	1.03
(1,2016)	1:76:A:PRO:HA	1:77:A:GLU:H	7	1.03
(1,2016)	1:76:A:PRO:HA	1:77:A:GLU:H	10	1.03
(1,2016)	1:76:A:PRO:HA	1:77:A:GLU:H	11	1.03
(1,2016)	1:76:A:PRO:HA	1:77:A:GLU:H	12	1.03
(1,2004)	1:74:A:LEU:HB2	1:75:A:THR:H	8	1.03
(1,2004)	1:74:A:LEU:HB3	1:75:A:THR:H	8	1.03
(1,1974)	1:71:A:LEU:H	1:72:A:THR:HB	15	1.03
(1,1958)	1:69:A:ALA:H	1:65:A:LYS:HE2	6	1.03
(1,1958)	1:69:A:ALA:H	1:65:A:LYS:HE3	6	1.03
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD21	3	1.03
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD22	3	1.03
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD23	3	1.03
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG21	6	1.03
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG22	6	1.03
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG23	6	1.03
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD21	14	1.03
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD22	14	1.03
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD23	14	1.03
(1,1899)	1:63:A:LEU:HB2	1:62:A:SER:HB2	4	1.03
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD11	13	1.03
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD12	13	1.03
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD13	13	1.03
(1,1874)	1:60:A:GLN:HA	1:61:A:ASP:H	12	1.03
(1,1829)	1:47:A:GLN:HB2	1:48:A:ASN:H	11	1.03
(1,1829)	1:47:A:GLN:HB3	1:48:A:ASN:H	11	1.03
(1,1815)	1:45:A:THR:HA	1:48:A:ASN:H	11	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1805)	1:45:A:THR:H	1:42:A:LEU:HA	8	1.03
(1,1805)	1:45:A:THR:H	1:42:A:LEU:HA	9	1.03
(1,1785)	1:42:A:LEU:H	1:39:A:LEU:HA	3	1.03
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG21	9	1.03
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG22	9	1.03
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG23	9	1.03
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG21	9	1.03
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG22	9	1.03
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG23	9	1.03
(1,1771)	1:38:A:ALA:H	1:36:A:ILE:HA	8	1.03
(1,1771)	1:38:A:ALA:H	1:36:A:ILE:HA	13	1.03
(1,1771)	1:38:A:ALA:H	1:36:A:ILE:HA	15	1.03
(1,1758)	1:35:A:TRP:H	1:37:A:ARG:H	7	1.03
(1,1758)	1:35:A:TRP:H	1:37:A:ARG:H	10	1.03
(1,1708)	1:23:A:GLN:HA	1:24:A:ARG:H	1	1.03
(1,1708)	1:23:A:GLN:HA	1:24:A:ARG:H	2	1.03
(1,1708)	1:23:A:GLN:HA	1:24:A:ARG:H	3	1.03
(1,1708)	1:23:A:GLN:HA	1:24:A:ARG:H	4	1.03
(1,1708)	1:23:A:GLN:HA	1:24:A:ARG:H	5	1.03
(1,1708)	1:23:A:GLN:HA	1:24:A:ARG:H	7	1.03
(1,1708)	1:23:A:GLN:HA	1:24:A:ARG:H	8	1.03
(1,1708)	1:23:A:GLN:HA	1:24:A:ARG:H	9	1.03
(1,1708)	1:23:A:GLN:HA	1:24:A:ARG:H	10	1.03
(1,1708)	1:23:A:GLN:HA	1:24:A:ARG:H	11	1.03
(1,1708)	1:23:A:GLN:HA	1:24:A:ARG:H	12	1.03
(1,1708)	1:23:A:GLN:HA	1:24:A:ARG:H	13	1.03
(1,1708)	1:23:A:GLN:HA	1:24:A:ARG:H	15	1.03
(1,1701)	1:22:A:PRO:HD2	1:21:A:GLY:H	2	1.03
(1,1701)	1:22:A:PRO:HD3	1:21:A:GLY:H	2	1.03
(1,1680)	1:17:A:LEU:HA	1:18:A:VAL:H	1	1.03
(1,1680)	1:17:A:LEU:HA	1:18:A:VAL:H	3	1.03
(1,1680)	1:17:A:LEU:HA	1:18:A:VAL:H	4	1.03
(1,1680)	1:17:A:LEU:HA	1:18:A:VAL:H	5	1.03
(1,1680)	1:17:A:LEU:HA	1:18:A:VAL:H	6	1.03
(1,1680)	1:17:A:LEU:HA	1:18:A:VAL:H	7	1.03
(1,1680)	1:17:A:LEU:HA	1:18:A:VAL:H	8	1.03
(1,1680)	1:17:A:LEU:HA	1:18:A:VAL:H	10	1.03
(1,1680)	1:17:A:LEU:HA	1:18:A:VAL:H	14	1.03
(1,1680)	1:17:A:LEU:HA	1:18:A:VAL:H	15	1.03
(1,1641)	1:13:A:PHE:H	1:12:A:VAL:HA	12	1.03
(1,1632)	1:12:A:VAL:HA	1:15:A:ILE:H	11	1.03
(1,1630)	1:12:A:VAL:HB	1:9:A:LEU:HA	13	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1622)	1:10:A:LEU:HA	1:11:A:LEU:H	13	1.03
(1,1605)	1:8:A:GLU:HB2	1:4:A:ILE:HB	4	1.03
(1,1605)	1:8:A:GLU:HB2	1:4:A:ILE:HB	14	1.03
(1,1578)	1:4:A:ILE:HA	1:5:A:GLY:H	1	1.03
(1,1578)	1:4:A:ILE:HA	1:5:A:GLY:H	2	1.03
(1,1578)	1:4:A:ILE:HA	1:5:A:GLY:H	3	1.03
(1,1578)	1:4:A:ILE:HA	1:5:A:GLY:H	4	1.03
(1,1578)	1:4:A:ILE:HA	1:5:A:GLY:H	5	1.03
(1,1578)	1:4:A:ILE:HA	1:5:A:GLY:H	6	1.03
(1,1578)	1:4:A:ILE:HA	1:5:A:GLY:H	8	1.03
(1,1578)	1:4:A:ILE:HA	1:5:A:GLY:H	9	1.03
(1,1578)	1:4:A:ILE:HA	1:5:A:GLY:H	10	1.03
(1,1578)	1:4:A:ILE:HA	1:5:A:GLY:H	14	1.03
(1,1578)	1:4:A:ILE:HA	1:5:A:GLY:H	15	1.03
(1,1570)	1:3:A:ASP:HA	1:5:A:GLY:H	3	1.03
(1,1570)	1:3:A:ASP:HA	1:5:A:GLY:H	8	1.03
(1,1564)	1:3:A:ASP:HB2	1:4:A:ILE:HA	7	1.03
(1,1551)	1:2:A:PHE:HD1	1:3:A:ASP:H	5	1.03
(1,1551)	1:2:A:PHE:HD2	1:3:A:ASP:H	5	1.03
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE1	5	1.03
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE2	5	1.03
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE3	5	1.03
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE1	5	1.03
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE2	5	1.03
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE3	5	1.03
(1,1539)	1:102:A:LEU:HB2	1:101:A:PRO:HA	9	1.03
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD1	11	1.03
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD2	11	1.03
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB1	14	1.03
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB2	14	1.03
(1,1502)	1:86:A:ARG:H	1:88:A:ALA:HB3	14	1.03
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD3	1	1.03
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD2	1	1.03
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD3	12	1.03
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD2	12	1.03
(1,1474)	1:73:A:ASN:H	1:75:A:THR:H	9	1.03
(1,1474)	1:73:A:ASN:H	1:75:A:THR:H	13	1.03
(1,1474)	1:73:A:ASN:H	1:75:A:THR:H	14	1.03
(1,1453)	1:67:A:GLU:HG2	1:70:A:SER:H	5	1.03
(1,1453)	1:67:A:GLU:HG3	1:70:A:SER:H	5	1.03
(1,1414)	1:47:A:GLN:H	1:44:A:THR:HB	14	1.03
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG2	5	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1399)	1:44:A:THR:HB	1:47:A:GLN:HG3	5	1.03
(1,1385)	1:41:A:SER:HA	1:44:A:THR:HB	5	1.03
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG21	7	1.03
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG22	7	1.03
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG23	7	1.03
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG21	5	1.03
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG22	5	1.03
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG23	5	1.03
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA3	4	1.03
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA2	4	1.03
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG11	1	1.03
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG12	1	1.03
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG13	1	1.03
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG11	6	1.03
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG12	6	1.03
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG13	6	1.03
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD11	5	1.03
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD12	5	1.03
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD13	5	1.03
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD21	5	1.03
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD22	5	1.03
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD23	5	1.03
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG21	13	1.03
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG22	13	1.03
(1,1303)	1:18:A:VAL:H	1:19:A:VAL:HG23	13	1.03
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD11	8	1.03
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD12	8	1.03
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD13	8	1.03
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG21	4	1.03
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG22	4	1.03
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG23	4	1.03
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG21	4	1.03
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG22	4	1.03
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG23	4	1.03
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG21	14	1.03
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG22	14	1.03
(1,1274)	1:13:A:PHE:HD1	1:14:A:ILE:HG23	14	1.03
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG21	14	1.03
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG22	14	1.03
(1,1274)	1:13:A:PHE:HD2	1:14:A:ILE:HG23	14	1.03
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB2	6	1.03
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB3	6	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	3	1.02
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	3	1.02
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	3	1.02
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	3	1.02
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	3	1.02
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	3	1.02
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	9	1.02
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	9	1.02
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	9	1.02
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	9	1.02
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	9	1.02
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	9	1.02
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	13	1.02
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	13	1.02
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	13	1.02
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	13	1.02
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	13	1.02
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	13	1.02
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	15	1.02
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	15	1.02
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	15	1.02
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	15	1.02
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	15	1.02
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	15	1.02
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD21	1	1.02
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD22	1	1.02
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD23	1	1.02
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	2	1.02
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	2	1.02
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	2	1.02
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	2	1.02
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	2	1.02
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	2	1.02
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	2	1.02
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	2	1.02
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	2	1.02
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	10	1.02
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	10	1.02
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	10	1.02
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	10	1.02
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	10	1.02
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	10	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	10	1.02
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	10	1.02
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	10	1.02
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	11	1.02
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	11	1.02
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	11	1.02
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	11	1.02
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	11	1.02
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	11	1.02
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	11	1.02
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	11	1.02
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	11	1.02
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	12	1.02
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	12	1.02
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	12	1.02
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	12	1.02
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	12	1.02
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	12	1.02
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	12	1.02
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	12	1.02
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	12	1.02
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE1	6	1.02
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE2	6	1.02
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE3	6	1.02
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE1	6	1.02
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE2	6	1.02
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE3	6	1.02
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE1	6	1.02
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE2	6	1.02
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE3	6	1.02
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE1	8	1.02
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE2	8	1.02
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE3	8	1.02
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE1	8	1.02
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE2	8	1.02
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE3	8	1.02
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE1	8	1.02
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE2	8	1.02
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE3	8	1.02
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE1	15	1.02
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE2	15	1.02
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE3	15	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE1	15	1.02
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE2	15	1.02
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE3	15	1.02
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE1	15	1.02
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE2	15	1.02
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE3	15	1.02
(1,2854)	1:72:A:THR:HA	1:79:A:LYS:HA	1	1.02
(1,2854)	1:72:A:THR:HA	1:79:A:LYS:HA	3	1.02
(1,2854)	1:72:A:THR:HA	1:79:A:LYS:HA	4	1.02
(1,2854)	1:72:A:THR:HA	1:79:A:LYS:HA	5	1.02
(1,2854)	1:72:A:THR:HA	1:79:A:LYS:HA	9	1.02
(1,2854)	1:72:A:THR:HA	1:79:A:LYS:HA	10	1.02
(1,2854)	1:72:A:THR:HA	1:79:A:LYS:HA	11	1.02
(1,2854)	1:72:A:THR:HA	1:79:A:LYS:HA	13	1.02
(1,2854)	1:72:A:THR:HA	1:79:A:LYS:HA	14	1.02
(1,2854)	1:72:A:THR:HA	1:79:A:LYS:HA	15	1.02
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD11	1	1.02
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD12	1	1.02
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD13	1	1.02
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD11	5	1.02
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD12	5	1.02
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD13	5	1.02
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD11	10	1.02
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD12	10	1.02
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD13	10	1.02
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD11	11	1.02
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD12	11	1.02
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD13	11	1.02
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD11	12	1.02
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD12	12	1.02
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD13	12	1.02
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD21	1	1.02
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD22	1	1.02
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD23	1	1.02
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD21	2	1.02
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD22	2	1.02
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD23	2	1.02
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD21	10	1.02
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD22	10	1.02
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD23	10	1.02
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD21	11	1.02
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD22	11	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD23	11	1.02
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD21	12	1.02
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD22	12	1.02
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD23	12	1.02
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	2	1.02
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	2	1.02
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	2	1.02
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	2	1.02
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB2	5	1.02
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB3	5	1.02
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	9	1.02
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	9	1.02
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	9	1.02
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	9	1.02
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	9	1.02
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	9	1.02
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	9	1.02
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	9	1.02
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	9	1.02
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	9	1.02
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	9	1.02
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	9	1.02
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	3	1.02
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	3	1.02
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	3	1.02
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	3	1.02
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	3	1.02
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	3	1.02
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	4	1.02
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	4	1.02
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	4	1.02
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	4	1.02
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	4	1.02
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	4	1.02
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	7	1.02
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	7	1.02
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	7	1.02
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	7	1.02
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	7	1.02
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	7	1.02
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	3	1.02
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	3	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	3	1.02
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	3	1.02
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	3	1.02
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	3	1.02
(1,2820)	1:56:A:LEU:HB3	1:51:A:THR:H	3	1.02
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD21	8	1.02
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD22	8	1.02
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD23	8	1.02
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD21	11	1.02
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD22	11	1.02
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD23	11	1.02
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD21	13	1.02
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD22	13	1.02
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD23	13	1.02
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	14	1.02
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	14	1.02
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	14	1.02
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	14	1.02
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	14	1.02
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	14	1.02
(1,2803)	1:50:A:LEU:H	1:54:A:LEU:HB3	1	1.02
(1,2803)	1:50:A:LEU:H	1:54:A:LEU:HB3	9	1.02
(1,2801)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	14	1.02
(1,2801)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	14	1.02
(1,2801)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	14	1.02
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG21	1	1.02
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG22	1	1.02
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG23	1	1.02
(1,2794)	1:49:A:GLU:HA	1:47:A:GLN:H	5	1.02
(1,2794)	1:49:A:GLU:HA	1:47:A:GLN:H	7	1.02
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG21	10	1.02
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG22	10	1.02
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG23	10	1.02
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD21	7	1.02
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD22	7	1.02
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD23	7	1.02
(1,2779)	1:45:A:THR:HA	1:50:A:LEU:H	1	1.02
(1,2779)	1:45:A:THR:HA	1:50:A:LEU:H	2	1.02
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG2	2	1.02
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG3	2	1.02
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG2	7	1.02
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG3	7	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	13	1.02
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	13	1.02
(1,2769)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	13	1.02
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD21	2	1.02
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD22	2	1.02
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD23	2	1.02
(1,2747)	1:17:A:LEU:H	1:22:A:PRO:HA	11	1.02
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	3	1.02
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	3	1.02
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	3	1.02
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	3	1.02
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	3	1.02
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	3	1.02
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	9	1.02
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	9	1.02
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	9	1.02
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	9	1.02
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	9	1.02
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	9	1.02
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	13	1.02
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	13	1.02
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	13	1.02
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	13	1.02
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	13	1.02
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	13	1.02
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	15	1.02
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	15	1.02
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	15	1.02
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	15	1.02
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	15	1.02
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	15	1.02
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD21	1	1.02
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD22	1	1.02
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD23	1	1.02
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	2	1.02
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	2	1.02
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	2	1.02
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	2	1.02
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	2	1.02
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	2	1.02
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	2	1.02
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	2	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	2	1.02
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	10	1.02
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	10	1.02
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	10	1.02
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	10	1.02
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	10	1.02
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	10	1.02
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	10	1.02
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	10	1.02
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	10	1.02
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	11	1.02
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	11	1.02
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	11	1.02
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	11	1.02
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	11	1.02
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	11	1.02
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	11	1.02
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	11	1.02
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	11	1.02
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	12	1.02
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	12	1.02
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	12	1.02
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	12	1.02
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	12	1.02
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	12	1.02
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	12	1.02
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	12	1.02
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	12	1.02
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE1	6	1.02
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE2	6	1.02
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE3	6	1.02
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE1	6	1.02
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE2	6	1.02
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE3	6	1.02
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE1	6	1.02
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE2	6	1.02
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE3	6	1.02
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE1	8	1.02
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE2	8	1.02
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE3	8	1.02
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE1	8	1.02
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE2	8	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE3	8	1.02
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE1	8	1.02
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE2	8	1.02
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE3	8	1.02
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE1	15	1.02
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE2	15	1.02
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE3	15	1.02
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE1	15	1.02
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE2	15	1.02
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE3	15	1.02
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE1	15	1.02
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE2	15	1.02
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE3	15	1.02
(1,2730)	1:72:A:THR:HA	1:79:A:LYS:HA	1	1.02
(1,2730)	1:72:A:THR:HA	1:79:A:LYS:HA	3	1.02
(1,2730)	1:72:A:THR:HA	1:79:A:LYS:HA	4	1.02
(1,2730)	1:72:A:THR:HA	1:79:A:LYS:HA	5	1.02
(1,2730)	1:72:A:THR:HA	1:79:A:LYS:HA	9	1.02
(1,2730)	1:72:A:THR:HA	1:79:A:LYS:HA	10	1.02
(1,2730)	1:72:A:THR:HA	1:79:A:LYS:HA	11	1.02
(1,2730)	1:72:A:THR:HA	1:79:A:LYS:HA	13	1.02
(1,2730)	1:72:A:THR:HA	1:79:A:LYS:HA	14	1.02
(1,2730)	1:72:A:THR:HA	1:79:A:LYS:HA	15	1.02
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD11	1	1.02
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD12	1	1.02
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD13	1	1.02
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD11	5	1.02
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD12	5	1.02
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD13	5	1.02
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD11	10	1.02
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD12	10	1.02
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD13	10	1.02
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD11	11	1.02
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD12	11	1.02
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD13	11	1.02
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD11	12	1.02
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD12	12	1.02
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD13	12	1.02
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD21	1	1.02
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD22	1	1.02
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD23	1	1.02
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD21	2	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD22	2	1.02
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD23	2	1.02
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD21	10	1.02
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD22	10	1.02
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD23	10	1.02
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD21	11	1.02
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD22	11	1.02
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD23	11	1.02
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD21	12	1.02
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD22	12	1.02
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD23	12	1.02
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	2	1.02
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	2	1.02
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	2	1.02
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	2	1.02
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB2	5	1.02
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB3	5	1.02
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	9	1.02
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	9	1.02
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	9	1.02
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	9	1.02
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	9	1.02
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	9	1.02
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	9	1.02
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	9	1.02
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	9	1.02
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	9	1.02
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	9	1.02
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	9	1.02
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	3	1.02
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	3	1.02
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	3	1.02
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	3	1.02
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	3	1.02
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	3	1.02
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	4	1.02
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	4	1.02
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	4	1.02
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	4	1.02
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	4	1.02
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	4	1.02
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	7	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	7	1.02
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	7	1.02
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	7	1.02
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	7	1.02
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	7	1.02
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	3	1.02
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	3	1.02
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	3	1.02
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	3	1.02
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	3	1.02
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	3	1.02
(1,2696)	1:56:A:LEU:HB3	1:51:A:THR:H	3	1.02
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD21	8	1.02
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD22	8	1.02
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD23	8	1.02
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD21	11	1.02
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD22	11	1.02
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD23	11	1.02
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD21	13	1.02
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD22	13	1.02
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD23	13	1.02
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	14	1.02
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	14	1.02
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	14	1.02
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	14	1.02
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	14	1.02
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	14	1.02
(1,2679)	1:50:A:LEU:H	1:54:A:LEU:HB3	1	1.02
(1,2679)	1:50:A:LEU:H	1:54:A:LEU:HB3	9	1.02
(1,2677)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	14	1.02
(1,2677)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	14	1.02
(1,2677)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	14	1.02
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG21	1	1.02
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG22	1	1.02
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG23	1	1.02
(1,2670)	1:49:A:GLU:HA	1:47:A:GLN:H	5	1.02
(1,2670)	1:49:A:GLU:HA	1:47:A:GLN:H	7	1.02
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG21	10	1.02
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG22	10	1.02
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG23	10	1.02
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD21	7	1.02
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD22	7	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD23	7	1.02
(1,2655)	1:45:A:THR:HA	1:50:A:LEU:H	1	1.02
(1,2655)	1:45:A:THR:HA	1:50:A:LEU:H	2	1.02
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG2	2	1.02
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG3	2	1.02
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG2	7	1.02
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG3	7	1.02
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	13	1.02
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	13	1.02
(1,2645)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	13	1.02
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD21	2	1.02
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD22	2	1.02
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD23	2	1.02
(1,2623)	1:17:A:LEU:H	1:22:A:PRO:HA	11	1.02
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	3	1.02
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	3	1.02
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	3	1.02
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	3	1.02
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	3	1.02
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	3	1.02
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	9	1.02
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	9	1.02
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	9	1.02
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	9	1.02
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	9	1.02
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	9	1.02
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	13	1.02
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	13	1.02
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	13	1.02
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	13	1.02
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	13	1.02
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	13	1.02
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	15	1.02
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	15	1.02
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	15	1.02
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	15	1.02
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	15	1.02
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	15	1.02
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD21	1	1.02
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD22	1	1.02
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD23	1	1.02
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	2	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	2	1.02
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	2	1.02
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	2	1.02
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	2	1.02
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	2	1.02
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	2	1.02
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	2	1.02
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	2	1.02
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	10	1.02
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	10	1.02
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	10	1.02
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	10	1.02
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	10	1.02
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	10	1.02
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	10	1.02
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	10	1.02
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	10	1.02
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	11	1.02
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	11	1.02
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	11	1.02
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	11	1.02
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	11	1.02
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	11	1.02
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	11	1.02
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	11	1.02
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	11	1.02
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	12	1.02
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	12	1.02
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	12	1.02
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	12	1.02
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	12	1.02
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	12	1.02
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	12	1.02
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	12	1.02
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	12	1.02
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE1	6	1.02
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE2	6	1.02
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE3	6	1.02
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE1	6	1.02
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE2	6	1.02
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE3	6	1.02
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE1	6	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE2	6	1.02
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE3	6	1.02
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE1	8	1.02
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE2	8	1.02
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE3	8	1.02
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE1	8	1.02
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE2	8	1.02
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE3	8	1.02
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE1	8	1.02
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE2	8	1.02
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE3	8	1.02
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE1	15	1.02
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE2	15	1.02
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE3	15	1.02
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE1	15	1.02
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE2	15	1.02
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE3	15	1.02
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE1	15	1.02
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE2	15	1.02
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE3	15	1.02
(1,2606)	1:72:A:THR:HA	1:79:A:LYS:HA	1	1.02
(1,2606)	1:72:A:THR:HA	1:79:A:LYS:HA	3	1.02
(1,2606)	1:72:A:THR:HA	1:79:A:LYS:HA	4	1.02
(1,2606)	1:72:A:THR:HA	1:79:A:LYS:HA	5	1.02
(1,2606)	1:72:A:THR:HA	1:79:A:LYS:HA	9	1.02
(1,2606)	1:72:A:THR:HA	1:79:A:LYS:HA	10	1.02
(1,2606)	1:72:A:THR:HA	1:79:A:LYS:HA	11	1.02
(1,2606)	1:72:A:THR:HA	1:79:A:LYS:HA	13	1.02
(1,2606)	1:72:A:THR:HA	1:79:A:LYS:HA	14	1.02
(1,2606)	1:72:A:THR:HA	1:79:A:LYS:HA	15	1.02
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD11	1	1.02
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD12	1	1.02
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD13	1	1.02
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD11	5	1.02
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD12	5	1.02
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD13	5	1.02
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD11	10	1.02
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD12	10	1.02
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD13	10	1.02
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD11	11	1.02
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD12	11	1.02
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD13	11	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD11	12	1.02
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD12	12	1.02
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD13	12	1.02
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD21	1	1.02
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD22	1	1.02
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD23	1	1.02
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD21	2	1.02
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD22	2	1.02
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD23	2	1.02
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD21	10	1.02
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD22	10	1.02
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD23	10	1.02
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD21	11	1.02
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD22	11	1.02
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD23	11	1.02
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD21	12	1.02
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD22	12	1.02
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD23	12	1.02
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	2	1.02
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	2	1.02
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	2	1.02
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	2	1.02
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB2	5	1.02
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB3	5	1.02
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	9	1.02
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	9	1.02
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	9	1.02
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	9	1.02
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	9	1.02
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	9	1.02
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	9	1.02
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	9	1.02
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	9	1.02
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	9	1.02
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	9	1.02
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	9	1.02
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	3	1.02
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	3	1.02
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	3	1.02
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	3	1.02
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	3	1.02
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	3	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	4	1.02
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	4	1.02
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	4	1.02
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	4	1.02
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	4	1.02
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	4	1.02
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	7	1.02
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	7	1.02
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	7	1.02
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	7	1.02
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	7	1.02
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	7	1.02
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	3	1.02
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	3	1.02
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	3	1.02
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	3	1.02
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	3	1.02
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	3	1.02
(1,2572)	1:56:A:LEU:HB3	1:51:A:THR:H	3	1.02
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD21	8	1.02
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD22	8	1.02
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD23	8	1.02
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD21	11	1.02
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD22	11	1.02
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD23	11	1.02
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD21	13	1.02
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD22	13	1.02
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD23	13	1.02
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	14	1.02
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	14	1.02
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	14	1.02
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	14	1.02
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	14	1.02
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	14	1.02
(1,2555)	1:50:A:LEU:H	1:54:A:LEU:HB3	1	1.02
(1,2555)	1:50:A:LEU:H	1:54:A:LEU:HB3	9	1.02
(1,2553)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	14	1.02
(1,2553)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	14	1.02
(1,2553)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	14	1.02
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG21	1	1.02
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG22	1	1.02
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG23	1	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2546)	1:49:A:GLU:HA	1:47:A:GLN:H	5	1.02
(1,2546)	1:49:A:GLU:HA	1:47:A:GLN:H	7	1.02
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG21	10	1.02
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG22	10	1.02
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG23	10	1.02
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD21	7	1.02
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD22	7	1.02
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD23	7	1.02
(1,2531)	1:45:A:THR:HA	1:50:A:LEU:H	1	1.02
(1,2531)	1:45:A:THR:HA	1:50:A:LEU:H	2	1.02
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG2	2	1.02
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG3	2	1.02
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG2	7	1.02
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG3	7	1.02
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	13	1.02
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	13	1.02
(1,2521)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	13	1.02
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD21	2	1.02
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD22	2	1.02
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD23	2	1.02
(1,2499)	1:17:A:LEU:H	1:22:A:PRO:HA	11	1.02
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	3	1.02
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	3	1.02
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	3	1.02
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	3	1.02
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	3	1.02
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	3	1.02
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	9	1.02
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	9	1.02
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	9	1.02
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	9	1.02
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	9	1.02
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	9	1.02
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	13	1.02
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	13	1.02
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	13	1.02
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	13	1.02
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	13	1.02
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	13	1.02
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	15	1.02
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	15	1.02
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	15	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	15	1.02
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	15	1.02
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	15	1.02
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD21	1	1.02
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD22	1	1.02
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD23	1	1.02
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	2	1.02
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	2	1.02
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	2	1.02
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	2	1.02
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	2	1.02
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	2	1.02
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	2	1.02
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	2	1.02
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	2	1.02
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	10	1.02
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	10	1.02
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	10	1.02
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	10	1.02
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	10	1.02
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	10	1.02
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	10	1.02
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	10	1.02
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	10	1.02
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	11	1.02
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	11	1.02
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	11	1.02
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	11	1.02
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	11	1.02
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	11	1.02
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	11	1.02
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	11	1.02
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	11	1.02
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	12	1.02
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	12	1.02
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	12	1.02
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	12	1.02
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	12	1.02
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	12	1.02
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	12	1.02
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	12	1.02
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	12	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE1	6	1.02
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE2	6	1.02
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE3	6	1.02
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE1	6	1.02
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE2	6	1.02
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE3	6	1.02
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE1	6	1.02
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE2	6	1.02
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE3	6	1.02
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE1	8	1.02
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE2	8	1.02
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE3	8	1.02
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE1	8	1.02
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE2	8	1.02
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE3	8	1.02
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE1	8	1.02
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE2	8	1.02
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE3	8	1.02
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE1	15	1.02
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE2	15	1.02
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE3	15	1.02
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE1	15	1.02
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE2	15	1.02
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE3	15	1.02
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE1	15	1.02
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE2	15	1.02
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE3	15	1.02
(1,2482)	1:72:A:THR:HA	1:79:A:LYS:HA	1	1.02
(1,2482)	1:72:A:THR:HA	1:79:A:LYS:HA	3	1.02
(1,2482)	1:72:A:THR:HA	1:79:A:LYS:HA	4	1.02
(1,2482)	1:72:A:THR:HA	1:79:A:LYS:HA	5	1.02
(1,2482)	1:72:A:THR:HA	1:79:A:LYS:HA	9	1.02
(1,2482)	1:72:A:THR:HA	1:79:A:LYS:HA	10	1.02
(1,2482)	1:72:A:THR:HA	1:79:A:LYS:HA	11	1.02
(1,2482)	1:72:A:THR:HA	1:79:A:LYS:HA	13	1.02
(1,2482)	1:72:A:THR:HA	1:79:A:LYS:HA	14	1.02
(1,2482)	1:72:A:THR:HA	1:79:A:LYS:HA	15	1.02
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD11	1	1.02
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD12	1	1.02
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD13	1	1.02
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD11	5	1.02
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD12	5	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD13	5	1.02
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD11	10	1.02
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD12	10	1.02
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD13	10	1.02
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD11	11	1.02
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD12	11	1.02
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD13	11	1.02
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD11	12	1.02
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD12	12	1.02
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD13	12	1.02
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD21	1	1.02
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD22	1	1.02
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD23	1	1.02
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD21	2	1.02
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD22	2	1.02
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD23	2	1.02
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD21	10	1.02
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD22	10	1.02
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD23	10	1.02
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD21	11	1.02
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD22	11	1.02
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD23	11	1.02
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD21	12	1.02
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD22	12	1.02
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD23	12	1.02
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	2	1.02
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	2	1.02
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	2	1.02
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	2	1.02
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB2	5	1.02
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB3	5	1.02
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	9	1.02
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	9	1.02
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	9	1.02
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	9	1.02
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	9	1.02
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	9	1.02
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	9	1.02
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	9	1.02
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	9	1.02
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	9	1.02
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	9	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	9	1.02
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	3	1.02
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	3	1.02
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	3	1.02
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	3	1.02
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	3	1.02
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	3	1.02
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	4	1.02
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	4	1.02
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	4	1.02
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	4	1.02
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	4	1.02
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	4	1.02
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	7	1.02
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	7	1.02
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	7	1.02
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	7	1.02
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	7	1.02
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	7	1.02
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	3	1.02
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	3	1.02
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	3	1.02
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	3	1.02
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	3	1.02
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	3	1.02
(1,2448)	1:56:A:LEU:HB3	1:51:A:THR:H	3	1.02
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD21	8	1.02
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD22	8	1.02
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD23	8	1.02
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD21	11	1.02
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD22	11	1.02
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD23	11	1.02
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD21	13	1.02
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD22	13	1.02
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD23	13	1.02
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	14	1.02
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	14	1.02
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	14	1.02
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	14	1.02
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	14	1.02
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	14	1.02
(1,2431)	1:50:A:LEU:H	1:54:A:LEU:HB3	1	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2431)	1:50:A:LEU:H	1:54:A:LEU:HB3	9	1.02
(1,2429)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	14	1.02
(1,2429)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	14	1.02
(1,2429)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	14	1.02
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG21	1	1.02
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG22	1	1.02
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG23	1	1.02
(1,2422)	1:49:A:GLU:HA	1:47:A:GLN:H	5	1.02
(1,2422)	1:49:A:GLU:HA	1:47:A:GLN:H	7	1.02
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG21	10	1.02
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG22	10	1.02
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG23	10	1.02
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD21	7	1.02
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD22	7	1.02
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD23	7	1.02
(1,2407)	1:45:A:THR:HA	1:50:A:LEU:H	1	1.02
(1,2407)	1:45:A:THR:HA	1:50:A:LEU:H	2	1.02
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG2	2	1.02
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG3	2	1.02
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG2	7	1.02
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG3	7	1.02
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	13	1.02
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	13	1.02
(1,2397)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	13	1.02
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD21	2	1.02
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD22	2	1.02
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD23	2	1.02
(1,2375)	1:17:A:LEU:H	1:22:A:PRO:HA	11	1.02
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	3	1.02
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	3	1.02
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	3	1.02
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	3	1.02
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	3	1.02
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	3	1.02
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	9	1.02
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	9	1.02
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	9	1.02
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	9	1.02
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	9	1.02
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	9	1.02
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	13	1.02
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	13	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	13	1.02
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	13	1.02
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	13	1.02
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	13	1.02
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	15	1.02
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	15	1.02
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	15	1.02
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	15	1.02
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	15	1.02
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	15	1.02
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD21	1	1.02
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD22	1	1.02
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD23	1	1.02
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	2	1.02
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	2	1.02
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	2	1.02
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	2	1.02
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	2	1.02
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	2	1.02
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	2	1.02
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	2	1.02
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	2	1.02
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	10	1.02
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	10	1.02
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	10	1.02
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	10	1.02
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	10	1.02
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	10	1.02
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	10	1.02
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	10	1.02
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	10	1.02
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	11	1.02
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	11	1.02
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	11	1.02
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	11	1.02
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	11	1.02
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	11	1.02
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	11	1.02
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	11	1.02
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	11	1.02
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	12	1.02
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	12	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	12	1.02
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	12	1.02
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	12	1.02
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	12	1.02
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	12	1.02
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	12	1.02
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	12	1.02
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE1	6	1.02
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE2	6	1.02
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE3	6	1.02
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE1	6	1.02
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE2	6	1.02
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE3	6	1.02
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE1	6	1.02
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE2	6	1.02
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE3	6	1.02
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE1	8	1.02
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE2	8	1.02
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE3	8	1.02
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE1	8	1.02
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE2	8	1.02
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE3	8	1.02
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE1	8	1.02
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE2	8	1.02
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE3	8	1.02
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE1	15	1.02
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE2	15	1.02
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE3	15	1.02
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE1	15	1.02
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE2	15	1.02
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE3	15	1.02
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE1	15	1.02
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE2	15	1.02
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE3	15	1.02
(1,2358)	1:72:A:THR:HA	1:79:A:LYS:HA	1	1.02
(1,2358)	1:72:A:THR:HA	1:79:A:LYS:HA	3	1.02
(1,2358)	1:72:A:THR:HA	1:79:A:LYS:HA	4	1.02
(1,2358)	1:72:A:THR:HA	1:79:A:LYS:HA	5	1.02
(1,2358)	1:72:A:THR:HA	1:79:A:LYS:HA	9	1.02
(1,2358)	1:72:A:THR:HA	1:79:A:LYS:HA	10	1.02
(1,2358)	1:72:A:THR:HA	1:79:A:LYS:HA	11	1.02
(1,2358)	1:72:A:THR:HA	1:79:A:LYS:HA	13	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2358)	1:72:A:THR:HA	1:79:A:LYS:HA	14	1.02
(1,2358)	1:72:A:THR:HA	1:79:A:LYS:HA	15	1.02
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD11	1	1.02
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD12	1	1.02
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD13	1	1.02
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD11	5	1.02
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD12	5	1.02
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD13	5	1.02
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD11	10	1.02
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD12	10	1.02
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD13	10	1.02
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD11	11	1.02
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD12	11	1.02
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD13	11	1.02
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD11	12	1.02
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD12	12	1.02
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD13	12	1.02
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD21	1	1.02
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD22	1	1.02
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD23	1	1.02
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD21	2	1.02
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD22	2	1.02
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD23	2	1.02
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD21	10	1.02
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD22	10	1.02
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD23	10	1.02
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD21	11	1.02
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD22	11	1.02
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD23	11	1.02
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD21	12	1.02
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD22	12	1.02
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD23	12	1.02
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	2	1.02
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	2	1.02
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	2	1.02
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	2	1.02
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB2	5	1.02
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB3	5	1.02
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	9	1.02
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	9	1.02
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	9	1.02
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	9	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	9	1.02
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	9	1.02
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	9	1.02
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	9	1.02
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	9	1.02
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	9	1.02
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	9	1.02
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	9	1.02
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	3	1.02
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	3	1.02
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	3	1.02
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	3	1.02
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	3	1.02
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	3	1.02
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	4	1.02
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	4	1.02
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	4	1.02
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	4	1.02
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	4	1.02
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	4	1.02
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	7	1.02
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	7	1.02
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	7	1.02
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	7	1.02
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	7	1.02
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	7	1.02
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	3	1.02
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	3	1.02
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	3	1.02
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	3	1.02
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	3	1.02
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	3	1.02
(1,2324)	1:56:A:LEU:HB3	1:51:A:THR:H	3	1.02
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD21	8	1.02
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD22	8	1.02
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD23	8	1.02
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD21	11	1.02
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD22	11	1.02
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD23	11	1.02
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD21	13	1.02
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD22	13	1.02
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD23	13	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	14	1.02
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	14	1.02
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	14	1.02
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	14	1.02
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	14	1.02
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	14	1.02
(1,2307)	1:50:A:LEU:H	1:54:A:LEU:HB3	1	1.02
(1,2307)	1:50:A:LEU:H	1:54:A:LEU:HB3	9	1.02
(1,2305)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	14	1.02
(1,2305)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	14	1.02
(1,2305)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	14	1.02
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG21	1	1.02
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG22	1	1.02
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG23	1	1.02
(1,2298)	1:49:A:GLU:HA	1:47:A:GLN:H	5	1.02
(1,2298)	1:49:A:GLU:HA	1:47:A:GLN:H	7	1.02
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG21	10	1.02
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG22	10	1.02
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG23	10	1.02
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD21	7	1.02
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD22	7	1.02
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD23	7	1.02
(1,2283)	1:45:A:THR:HA	1:50:A:LEU:H	1	1.02
(1,2283)	1:45:A:THR:HA	1:50:A:LEU:H	2	1.02
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG2	2	1.02
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG3	2	1.02
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG2	7	1.02
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG3	7	1.02
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD21	13	1.02
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD22	13	1.02
(1,2273)	1:24:A:ARG:HB3	1:20:A:LEU:HD23	13	1.02
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD21	2	1.02
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD22	2	1.02
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD23	2	1.02
(1,2251)	1:17:A:LEU:H	1:22:A:PRO:HA	11	1.02
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD21	3	1.02
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD22	3	1.02
(1,2246)	1:103:A:GLU:H	1:102:A:LEU:HD23	3	1.02
(1,2240)	1:103:A:GLU:H	1:102:A:LEU:HA	7	1.02
(1,2213)	1:98:A:ALA:H	1:97:A:VAL:HB	11	1.02
(1,2212)	1:98:A:ALA:HA	1:97:A:VAL:HB	2	1.02
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE1	3	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE2	3	1.02
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB1	1	1.02
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB2	1	1.02
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB3	1	1.02
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB1	1	1.02
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB2	1	1.02
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB3	1	1.02
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB1	11	1.02
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB2	11	1.02
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB3	11	1.02
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB1	11	1.02
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB2	11	1.02
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB3	11	1.02
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB1	13	1.02
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB2	13	1.02
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB3	13	1.02
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB1	13	1.02
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB2	13	1.02
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB3	13	1.02
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB1	15	1.02
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB2	15	1.02
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB3	15	1.02
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB1	15	1.02
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB2	15	1.02
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB3	15	1.02
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG11	3	1.02
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG12	3	1.02
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG13	3	1.02
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG21	3	1.02
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG22	3	1.02
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG23	3	1.02
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG11	8	1.02
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG12	8	1.02
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG13	8	1.02
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG21	8	1.02
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG22	8	1.02
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG23	8	1.02
(1,2102)	1:84:A:GLU:HA	1:85:A:LEU:H	3	1.02
(1,2102)	1:84:A:GLU:HA	1:85:A:LEU:H	5	1.02
(1,2102)	1:84:A:GLU:HA	1:85:A:LEU:H	9	1.02
(1,2102)	1:84:A:GLU:HA	1:85:A:LEU:H	11	1.02
(1,2102)	1:84:A:GLU:HA	1:85:A:LEU:H	13	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2102)	1:84:A:GLU:HA	1:85:A:LEU:H	14	1.02
(1,2088)	1:83:A:ASP:HA	1:86:A:ARG:H	2	1.02
(1,2088)	1:83:A:ASP:HA	1:86:A:ARG:H	3	1.02
(1,2042)	1:79:A:LYS:H	1:77:A:GLU:H	11	1.02
(1,2036)	1:78:A:LEU:H	1:77:A:GLU:HB3	9	1.02
(1,2028)	1:77:A:GLU:HG3	1:78:A:LEU:H	5	1.02
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG2	6	1.02
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG3	6	1.02
(1,1990)	1:73:A:ASN:H	1:72:A:THR:HA	8	1.02
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB3	4	1.02
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB2	4	1.02
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB3	14	1.02
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB2	14	1.02
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE2	15	1.02
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE3	15	1.02
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD21	11	1.02
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD22	11	1.02
(1,1921)	1:65:A:LYS:H	1:63:A:LEU:HD23	11	1.02
(1,1915)	1:64:A:LYS:H	1:67:A:GLU:H	5	1.02
(1,1899)	1:63:A:LEU:HB2	1:62:A:SER:HB2	3	1.02
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD1	8	1.02
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD2	8	1.02
(1,1889)	1:62:A:SER:H	1:60:A:GLN:HA	13	1.02
(1,1887)	1:61:A:ASP:HA	1:64:A:LYS:H	14	1.02
(1,1873)	1:60:A:GLN:HG2	1:61:A:ASP:H	8	1.02
(1,1873)	1:60:A:GLN:HG3	1:61:A:ASP:H	8	1.02
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB2	2	1.02
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB3	2	1.02
(1,1829)	1:47:A:GLN:HB2	1:48:A:ASN:H	10	1.02
(1,1829)	1:47:A:GLN:HB3	1:48:A:ASN:H	10	1.02
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG21	4	1.02
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG22	4	1.02
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG23	4	1.02
(1,1815)	1:45:A:THR:HA	1:48:A:ASN:H	8	1.02
(1,1815)	1:45:A:THR:HA	1:48:A:ASN:H	9	1.02
(1,1807)	1:45:A:THR:H	1:44:A:THR:HA	8	1.02
(1,1807)	1:45:A:THR:H	1:44:A:THR:HA	9	1.02
(1,1807)	1:45:A:THR:H	1:44:A:THR:HA	15	1.02
(1,1805)	1:45:A:THR:H	1:42:A:LEU:HA	12	1.02
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG11	4	1.02
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG12	4	1.02
(1,1803)	1:44:A:THR:H	1:46:A:VAL:HG13	4	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB1	10	1.02
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB2	10	1.02
(1,1764)	1:37:A:ARG:HE	1:33:A:ALA:HB3	10	1.02
(1,1758)	1:35:A:TRP:H	1:37:A:ARG:H	2	1.02
(1,1708)	1:23:A:GLN:HA	1:24:A:ARG:H	6	1.02
(1,1708)	1:23:A:GLN:HA	1:24:A:ARG:H	14	1.02
(1,1680)	1:17:A:LEU:HA	1:18:A:VAL:H	9	1.02
(1,1680)	1:17:A:LEU:HA	1:18:A:VAL:H	11	1.02
(1,1651)	1:13:A:PHE:HE1	1:17:A:LEU:HG	1	1.02
(1,1651)	1:13:A:PHE:HE2	1:17:A:LEU:HG	1	1.02
(1,1641)	1:13:A:PHE:H	1:12:A:VAL:HA	13	1.02
(1,1605)	1:8:A:GLU:HB2	1:4:A:ILE:HB	1	1.02
(1,1605)	1:8:A:GLU:HB2	1:4:A:ILE:HB	3	1.02
(1,1578)	1:4:A:ILE:HA	1:5:A:GLY:H	7	1.02
(1,1578)	1:4:A:ILE:HA	1:5:A:GLY:H	13	1.02
(1,1574)	1:4:A:ILE:HB	1:3:A:ASP:HA	15	1.02
(1,1570)	1:3:A:ASP:HA	1:5:A:GLY:H	5	1.02
(1,1556)	1:2:A:PHE:H	1:4:A:ILE:HG12	13	1.02
(1,1551)	1:2:A:PHE:HD1	1:3:A:ASP:H	3	1.02
(1,1551)	1:2:A:PHE:HD2	1:3:A:ASP:H	3	1.02
(1,1551)	1:2:A:PHE:HD1	1:3:A:ASP:H	12	1.02
(1,1551)	1:2:A:PHE:HD2	1:3:A:ASP:H	12	1.02
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD3	10	1.02
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD2	10	1.02
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD3	11	1.02
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD2	11	1.02
(1,1453)	1:67:A:GLU:HG2	1:70:A:SER:H	7	1.02
(1,1453)	1:67:A:GLU:HG3	1:70:A:SER:H	7	1.02
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG2	8	1.02
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG3	8	1.02
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE21	14	1.02
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE22	14	1.02
(1,1414)	1:47:A:GLN:H	1:44:A:THR:HB	1	1.02
(1,1414)	1:47:A:GLN:H	1:44:A:THR:HB	13	1.02
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB3	7	1.02
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB3	7	1.02
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB3	7	1.02
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB3	7	1.02
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB3	7	1.02
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB3	7	1.02
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB2	7	1.02
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB2	7	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB2	7	1.02
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB2	7	1.02
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB2	7	1.02
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB2	7	1.02
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG21	6	1.02
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG22	6	1.02
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG23	6	1.02
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG21	8	1.02
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG22	8	1.02
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG23	8	1.02
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG21	13	1.02
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG22	13	1.02
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG23	13	1.02
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG21	15	1.02
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG22	15	1.02
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG23	15	1.02
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA3	11	1.02
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA2	11	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG11	3	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG12	3	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG13	3	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG11	4	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG12	4	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG13	4	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG11	5	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG12	5	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG13	5	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG11	7	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG12	7	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG13	7	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG11	8	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG12	8	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG13	8	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG11	9	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG12	9	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG13	9	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG11	10	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG12	10	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG13	10	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG11	15	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG12	15	1.02
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG13	15	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD11	3	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD12	3	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD13	3	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD21	3	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD22	3	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD23	3	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD11	6	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD12	6	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD13	6	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD21	6	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD22	6	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD23	6	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD11	7	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD12	7	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD13	7	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD21	7	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD22	7	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD23	7	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD11	8	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD12	8	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD13	8	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD21	8	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD22	8	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD23	8	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD11	15	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD12	15	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD13	15	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD21	15	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD22	15	1.02
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD23	15	1.02
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG21	13	1.02
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG22	13	1.02
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG23	13	1.02
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG21	5	1.02
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG22	5	1.02
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG23	5	1.02
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD21	2	1.01
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD22	2	1.01
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD23	2	1.01
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD21	10	1.01
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD22	10	1.01
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD23	10	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD21	11	1.01
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD22	11	1.01
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD23	11	1.01
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD21	12	1.01
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD22	12	1.01
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD23	12	1.01
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	1	1.01
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	1	1.01
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	1	1.01
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	1	1.01
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	1	1.01
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	1	1.01
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	1	1.01
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	1	1.01
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	1	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE1	1	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE2	1	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE3	1	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE1	1	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE2	1	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE3	1	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE1	1	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE2	1	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE3	1	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE1	2	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE2	2	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE3	2	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE1	2	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE2	2	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE3	2	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE1	2	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE2	2	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE3	2	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE1	3	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE2	3	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE3	3	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE1	3	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE2	3	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE3	3	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE1	3	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE2	3	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE3	3	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE1	4	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE2	4	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE3	4	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE1	4	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE2	4	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE3	4	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE1	4	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE2	4	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE3	4	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE1	5	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE2	5	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE3	5	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE1	5	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE2	5	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE3	5	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE1	5	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE2	5	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE3	5	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE1	9	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE2	9	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE3	9	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE1	9	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE2	9	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE3	9	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE1	9	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE2	9	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE3	9	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE1	10	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE2	10	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE3	10	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE1	10	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE2	10	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE3	10	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE1	10	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE2	10	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE3	10	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE1	11	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE2	11	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE3	11	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE1	11	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE2	11	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE3	11	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE1	11	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE2	11	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE3	11	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE1	12	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE2	12	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE3	12	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE1	12	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE2	12	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE3	12	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE1	12	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE2	12	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE3	12	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE1	13	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE2	13	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE3	13	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE1	13	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE2	13	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE3	13	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE1	13	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE2	13	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE3	13	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE1	14	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE2	14	1.01
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE3	14	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE1	14	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE2	14	1.01
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE3	14	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE1	14	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE2	14	1.01
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE3	14	1.01
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD11	2	1.01
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD12	2	1.01
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD13	2	1.01
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD11	11	1.01
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD12	11	1.01
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD13	11	1.01
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD11	12	1.01
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD12	12	1.01
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD13	12	1.01
(1,2848)	1:71:A:LEU:HB3	1:75:A:THR:H	3	1.01
(1,2848)	1:71:A:LEU:HB3	1:75:A:THR:H	6	1.01
(1,2848)	1:71:A:LEU:HB3	1:75:A:THR:H	8	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2848)	1:71:A:LEU:HB3	1:75:A:THR:H	9	1.01
(1,2848)	1:71:A:LEU:HB3	1:75:A:THR:H	13	1.01
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD11	4	1.01
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD12	4	1.01
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD13	4	1.01
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD11	14	1.01
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD12	14	1.01
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD13	14	1.01
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD21	5	1.01
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD22	5	1.01
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD23	5	1.01
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	1	1.01
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	1	1.01
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	1	1.01
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	1	1.01
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	9	1.01
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	9	1.01
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	9	1.01
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	9	1.01
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	14	1.01
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	14	1.01
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	14	1.01
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	14	1.01
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB2	4	1.01
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB3	4	1.01
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB2	6	1.01
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB3	6	1.01
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	10	1.01
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	10	1.01
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	10	1.01
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	10	1.01
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	10	1.01
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	10	1.01
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	14	1.01
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	14	1.01
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	14	1.01
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	14	1.01
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	14	1.01
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	14	1.01
(1,2826)	1:57:A:GLN:H	1:54:A:LEU:HA	15	1.01
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	6	1.01
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	6	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	6	1.01
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	6	1.01
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	6	1.01
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	6	1.01
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	10	1.01
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	10	1.01
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	10	1.01
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	10	1.01
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	10	1.01
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	10	1.01
(1,2820)	1:56:A:LEU:HB3	1:51:A:THR:H	6	1.01
(1,2818)	1:55:A:LYS:HG2	1:54:A:LEU:H	5	1.01
(1,2818)	1:55:A:LYS:HG3	1:54:A:LEU:H	5	1.01
(1,2818)	1:55:A:LYS:HG2	1:54:A:LEU:H	7	1.01
(1,2818)	1:55:A:LYS:HG3	1:54:A:LEU:H	7	1.01
(1,2803)	1:50:A:LEU:H	1:54:A:LEU:HB3	8	1.01
(1,2803)	1:50:A:LEU:H	1:54:A:LEU:HB3	13	1.01
(1,2798)	1:49:A:GLU:HA	1:53:A:GLU:H	2	1.01
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG21	11	1.01
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG22	11	1.01
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG23	11	1.01
(1,2779)	1:45:A:THR:HA	1:50:A:LEU:H	14	1.01
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG2	13	1.01
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG3	13	1.01
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD2	2	1.01
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD3	2	1.01
(1,2758)	1:21:A:GLY:H	1:24:A:ARG:H	13	1.01
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD21	2	1.01
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD22	2	1.01
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD23	2	1.01
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD21	11	1.01
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD22	11	1.01
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD23	11	1.01
(1,2747)	1:17:A:LEU:H	1:22:A:PRO:HA	3	1.01
(1,2747)	1:17:A:LEU:H	1:22:A:PRO:HA	4	1.01
(1,2747)	1:17:A:LEU:H	1:22:A:PRO:HA	5	1.01
(1,2747)	1:17:A:LEU:H	1:22:A:PRO:HA	6	1.01
(1,2747)	1:17:A:LEU:H	1:22:A:PRO:HA	7	1.01
(1,2747)	1:17:A:LEU:H	1:22:A:PRO:HA	8	1.01
(1,2747)	1:17:A:LEU:H	1:22:A:PRO:HA	10	1.01
(1,2747)	1:17:A:LEU:H	1:22:A:PRO:HA	14	1.01
(1,2747)	1:17:A:LEU:H	1:22:A:PRO:HA	15	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	11	1.01
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	11	1.01
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	11	1.01
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	11	1.01
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	11	1.01
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	11	1.01
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	11	1.01
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	11	1.01
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	11	1.01
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD21	2	1.01
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD22	2	1.01
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD23	2	1.01
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD21	10	1.01
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD22	10	1.01
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD23	10	1.01
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD21	11	1.01
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD22	11	1.01
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD23	11	1.01
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD21	12	1.01
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD22	12	1.01
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD23	12	1.01
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	1	1.01
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	1	1.01
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	1	1.01
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	1	1.01
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	1	1.01
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	1	1.01
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	1	1.01
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	1	1.01
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	1	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE1	1	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE2	1	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE3	1	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE1	1	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE2	1	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE3	1	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE1	1	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE2	1	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE3	1	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE1	2	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE2	2	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE3	2	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE1	2	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE2	2	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE3	2	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE1	2	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE2	2	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE3	2	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE1	3	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE2	3	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE3	3	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE1	3	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE2	3	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE3	3	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE1	3	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE2	3	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE3	3	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE1	4	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE2	4	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE3	4	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE1	4	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE2	4	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE3	4	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE1	4	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE2	4	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE3	4	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE1	5	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE2	5	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE3	5	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE1	5	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE2	5	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE3	5	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE1	5	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE2	5	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE3	5	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE1	9	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE2	9	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE3	9	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE1	9	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE2	9	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE3	9	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE1	9	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE2	9	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE3	9	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE1	10	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE2	10	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE3	10	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE1	10	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE2	10	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE3	10	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE1	10	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE2	10	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE3	10	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE1	11	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE2	11	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE3	11	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE1	11	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE2	11	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE3	11	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE1	11	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE2	11	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE3	11	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE1	12	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE2	12	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE3	12	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE1	12	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE2	12	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE3	12	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE1	12	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE2	12	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE3	12	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE1	13	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE2	13	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE3	13	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE1	13	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE2	13	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE3	13	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE1	13	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE2	13	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE3	13	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE1	14	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE2	14	1.01
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE3	14	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE1	14	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE2	14	1.01
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE3	14	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE1	14	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE2	14	1.01
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE3	14	1.01
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD11	2	1.01
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD12	2	1.01
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD13	2	1.01
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD11	11	1.01
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD12	11	1.01
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD13	11	1.01
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD11	12	1.01
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD12	12	1.01
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD13	12	1.01
(1,2724)	1:71:A:LEU:HB3	1:75:A:THR:H	3	1.01
(1,2724)	1:71:A:LEU:HB3	1:75:A:THR:H	6	1.01
(1,2724)	1:71:A:LEU:HB3	1:75:A:THR:H	8	1.01
(1,2724)	1:71:A:LEU:HB3	1:75:A:THR:H	9	1.01
(1,2724)	1:71:A:LEU:HB3	1:75:A:THR:H	13	1.01
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD11	4	1.01
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD12	4	1.01
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD13	4	1.01
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD11	14	1.01
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD12	14	1.01
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD13	14	1.01
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD21	5	1.01
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD22	5	1.01
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD23	5	1.01
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	1	1.01
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	1	1.01
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	1	1.01
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	1	1.01
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	9	1.01
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	9	1.01
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	9	1.01
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	9	1.01
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	14	1.01
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	14	1.01
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	14	1.01
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	14	1.01
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB2	4	1.01
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB3	4	1.01
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB2	6	1.01
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB3	6	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	10	1.01
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	10	1.01
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	10	1.01
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	10	1.01
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	10	1.01
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	10	1.01
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	14	1.01
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	14	1.01
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	14	1.01
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	14	1.01
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	14	1.01
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	14	1.01
(1,2702)	1:57:A:GLN:H	1:54:A:LEU:HA	15	1.01
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	6	1.01
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	6	1.01
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	6	1.01
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	6	1.01
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	6	1.01
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	6	1.01
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	10	1.01
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	10	1.01
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	10	1.01
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	10	1.01
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	10	1.01
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	10	1.01
(1,2696)	1:56:A:LEU:HB3	1:51:A:THR:H	6	1.01
(1,2694)	1:55:A:LYS:HG2	1:54:A:LEU:H	5	1.01
(1,2694)	1:55:A:LYS:HG3	1:54:A:LEU:H	5	1.01
(1,2694)	1:55:A:LYS:HG2	1:54:A:LEU:H	7	1.01
(1,2694)	1:55:A:LYS:HG3	1:54:A:LEU:H	7	1.01
(1,2679)	1:50:A:LEU:H	1:54:A:LEU:HB3	8	1.01
(1,2679)	1:50:A:LEU:H	1:54:A:LEU:HB3	13	1.01
(1,2674)	1:49:A:GLU:HA	1:53:A:GLU:H	2	1.01
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG21	11	1.01
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG22	11	1.01
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG23	11	1.01
(1,2655)	1:45:A:THR:HA	1:50:A:LEU:H	14	1.01
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG2	13	1.01
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG3	13	1.01
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD2	2	1.01
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD3	2	1.01
(1,2634)	1:21:A:GLY:H	1:24:A:ARG:H	13	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD21	2	1.01
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD22	2	1.01
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD23	2	1.01
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD21	11	1.01
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD22	11	1.01
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD23	11	1.01
(1,2623)	1:17:A:LEU:H	1:22:A:PRO:HA	3	1.01
(1,2623)	1:17:A:LEU:H	1:22:A:PRO:HA	4	1.01
(1,2623)	1:17:A:LEU:H	1:22:A:PRO:HA	5	1.01
(1,2623)	1:17:A:LEU:H	1:22:A:PRO:HA	6	1.01
(1,2623)	1:17:A:LEU:H	1:22:A:PRO:HA	7	1.01
(1,2623)	1:17:A:LEU:H	1:22:A:PRO:HA	8	1.01
(1,2623)	1:17:A:LEU:H	1:22:A:PRO:HA	10	1.01
(1,2623)	1:17:A:LEU:H	1:22:A:PRO:HA	14	1.01
(1,2623)	1:17:A:LEU:H	1:22:A:PRO:HA	15	1.01
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	11	1.01
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	11	1.01
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	11	1.01
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	11	1.01
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	11	1.01
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	11	1.01
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	11	1.01
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	11	1.01
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	11	1.01
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD21	2	1.01
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD22	2	1.01
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD23	2	1.01
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD21	10	1.01
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD22	10	1.01
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD23	10	1.01
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD21	11	1.01
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD22	11	1.01
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD23	11	1.01
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD21	12	1.01
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD22	12	1.01
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD23	12	1.01
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	1	1.01
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	1	1.01
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	1	1.01
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	1	1.01
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	1	1.01
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	1	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	1	1.01
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	1	1.01
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	1	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE1	1	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE2	1	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE3	1	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE1	1	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE2	1	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE3	1	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE1	1	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE2	1	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE3	1	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE1	2	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE2	2	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE3	2	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE1	2	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE2	2	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE3	2	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE1	2	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE2	2	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE3	2	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE1	3	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE2	3	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE3	3	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE1	3	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE2	3	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE3	3	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE1	3	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE2	3	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE3	3	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE1	4	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE2	4	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE3	4	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE1	4	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE2	4	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE3	4	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE1	4	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE2	4	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE3	4	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE1	5	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE2	5	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE3	5	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE1	5	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE2	5	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE3	5	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE1	5	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE2	5	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE3	5	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE1	9	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE2	9	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE3	9	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE1	9	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE2	9	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE3	9	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE1	9	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE2	9	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE3	9	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE1	10	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE2	10	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE3	10	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE1	10	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE2	10	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE3	10	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE1	10	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE2	10	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE3	10	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE1	11	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE2	11	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE3	11	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE1	11	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE2	11	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE3	11	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE1	11	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE2	11	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE3	11	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE1	12	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE2	12	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE3	12	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE1	12	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE2	12	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE3	12	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE1	12	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE2	12	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE3	12	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE1	13	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE2	13	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE3	13	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE1	13	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE2	13	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE3	13	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE1	13	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE2	13	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE3	13	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE1	14	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE2	14	1.01
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE3	14	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE1	14	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE2	14	1.01
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE3	14	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE1	14	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE2	14	1.01
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE3	14	1.01
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD11	2	1.01
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD12	2	1.01
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD13	2	1.01
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD11	11	1.01
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD12	11	1.01
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD13	11	1.01
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD11	12	1.01
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD12	12	1.01
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD13	12	1.01
(1,2600)	1:71:A:LEU:HB3	1:75:A:THR:H	3	1.01
(1,2600)	1:71:A:LEU:HB3	1:75:A:THR:H	6	1.01
(1,2600)	1:71:A:LEU:HB3	1:75:A:THR:H	8	1.01
(1,2600)	1:71:A:LEU:HB3	1:75:A:THR:H	9	1.01
(1,2600)	1:71:A:LEU:HB3	1:75:A:THR:H	13	1.01
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD11	4	1.01
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD12	4	1.01
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD13	4	1.01
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD11	14	1.01
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD12	14	1.01
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD13	14	1.01
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD21	5	1.01
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD22	5	1.01
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD23	5	1.01
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	1	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	1	1.01
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	1	1.01
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	1	1.01
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	9	1.01
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	9	1.01
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	9	1.01
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	9	1.01
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	14	1.01
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	14	1.01
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	14	1.01
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	14	1.01
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB2	4	1.01
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB3	4	1.01
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB2	6	1.01
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB3	6	1.01
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	10	1.01
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	10	1.01
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	10	1.01
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	10	1.01
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	10	1.01
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	10	1.01
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	14	1.01
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	14	1.01
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	14	1.01
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	14	1.01
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	14	1.01
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	14	1.01
(1,2578)	1:57:A:GLN:H	1:54:A:LEU:HA	15	1.01
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	6	1.01
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	6	1.01
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	6	1.01
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	6	1.01
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	6	1.01
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	6	1.01
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	10	1.01
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	10	1.01
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	10	1.01
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	10	1.01
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	10	1.01
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	10	1.01
(1,2572)	1:56:A:LEU:HB3	1:51:A:THR:H	6	1.01
(1,2570)	1:55:A:LYS:HG2	1:54:A:LEU:H	5	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2570)	1:55:A:LYS:HG3	1:54:A:LEU:H	5	1.01
(1,2570)	1:55:A:LYS:HG2	1:54:A:LEU:H	7	1.01
(1,2570)	1:55:A:LYS:HG3	1:54:A:LEU:H	7	1.01
(1,2555)	1:50:A:LEU:H	1:54:A:LEU:HB3	8	1.01
(1,2555)	1:50:A:LEU:H	1:54:A:LEU:HB3	13	1.01
(1,2550)	1:49:A:GLU:HA	1:53:A:GLU:H	2	1.01
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG21	11	1.01
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG22	11	1.01
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG23	11	1.01
(1,2531)	1:45:A:THR:HA	1:50:A:LEU:H	14	1.01
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG2	13	1.01
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG3	13	1.01
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD2	2	1.01
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD3	2	1.01
(1,2510)	1:21:A:GLY:H	1:24:A:ARG:H	13	1.01
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD21	2	1.01
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD22	2	1.01
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD23	2	1.01
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD21	11	1.01
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD22	11	1.01
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD23	11	1.01
(1,2499)	1:17:A:LEU:H	1:22:A:PRO:HA	3	1.01
(1,2499)	1:17:A:LEU:H	1:22:A:PRO:HA	4	1.01
(1,2499)	1:17:A:LEU:H	1:22:A:PRO:HA	5	1.01
(1,2499)	1:17:A:LEU:H	1:22:A:PRO:HA	6	1.01
(1,2499)	1:17:A:LEU:H	1:22:A:PRO:HA	7	1.01
(1,2499)	1:17:A:LEU:H	1:22:A:PRO:HA	8	1.01
(1,2499)	1:17:A:LEU:H	1:22:A:PRO:HA	10	1.01
(1,2499)	1:17:A:LEU:H	1:22:A:PRO:HA	14	1.01
(1,2499)	1:17:A:LEU:H	1:22:A:PRO:HA	15	1.01
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	11	1.01
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	11	1.01
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	11	1.01
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	11	1.01
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	11	1.01
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	11	1.01
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	11	1.01
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	11	1.01
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	11	1.01
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD21	2	1.01
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD22	2	1.01
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD23	2	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD21	10	1.01
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD22	10	1.01
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD23	10	1.01
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD21	11	1.01
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD22	11	1.01
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD23	11	1.01
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD21	12	1.01
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD22	12	1.01
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD23	12	1.01
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	1	1.01
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	1	1.01
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	1	1.01
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	1	1.01
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	1	1.01
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	1	1.01
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	1	1.01
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	1	1.01
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	1	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE1	1	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE2	1	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE3	1	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE1	1	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE2	1	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE3	1	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE1	1	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE2	1	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE3	1	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE1	2	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE2	2	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE3	2	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE1	2	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE2	2	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE3	2	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE1	2	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE2	2	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE3	2	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE1	3	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE2	3	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE3	3	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE1	3	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE2	3	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE3	3	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE1	3	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE2	3	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE3	3	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE1	4	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE2	4	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE3	4	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE1	4	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE2	4	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE3	4	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE1	4	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE2	4	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE3	4	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE1	5	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE2	5	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE3	5	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE1	5	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE2	5	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE3	5	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE1	5	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE2	5	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE3	5	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE1	9	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE2	9	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE3	9	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE1	9	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE2	9	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE3	9	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE1	9	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE2	9	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE3	9	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE1	10	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE2	10	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE3	10	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE1	10	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE2	10	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE3	10	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE1	10	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE2	10	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE3	10	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE1	11	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE2	11	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE3	11	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE1	11	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE2	11	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE3	11	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE1	11	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE2	11	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE3	11	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE1	12	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE2	12	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE3	12	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE1	12	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE2	12	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE3	12	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE1	12	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE2	12	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE3	12	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE1	13	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE2	13	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE3	13	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE1	13	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE2	13	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE3	13	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE1	13	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE2	13	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE3	13	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE1	14	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE2	14	1.01
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE3	14	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE1	14	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE2	14	1.01
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE3	14	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE1	14	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE2	14	1.01
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE3	14	1.01
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD11	2	1.01
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD12	2	1.01
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD13	2	1.01
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD11	11	1.01
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD12	11	1.01
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD13	11	1.01
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD11	12	1.01
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD12	12	1.01
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD13	12	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2476)	1:71:A:LEU:HB3	1:75:A:THR:H	3	1.01
(1,2476)	1:71:A:LEU:HB3	1:75:A:THR:H	6	1.01
(1,2476)	1:71:A:LEU:HB3	1:75:A:THR:H	8	1.01
(1,2476)	1:71:A:LEU:HB3	1:75:A:THR:H	9	1.01
(1,2476)	1:71:A:LEU:HB3	1:75:A:THR:H	13	1.01
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD11	4	1.01
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD12	4	1.01
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD13	4	1.01
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD11	14	1.01
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD12	14	1.01
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD13	14	1.01
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD21	5	1.01
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD22	5	1.01
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD23	5	1.01
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	1	1.01
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	1	1.01
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	1	1.01
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	1	1.01
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	9	1.01
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	9	1.01
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	9	1.01
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	9	1.01
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	14	1.01
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	14	1.01
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	14	1.01
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	14	1.01
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB2	4	1.01
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB3	4	1.01
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB2	6	1.01
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB3	6	1.01
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	10	1.01
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	10	1.01
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	10	1.01
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	10	1.01
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	10	1.01
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	10	1.01
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	14	1.01
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	14	1.01
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	14	1.01
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	14	1.01
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	14	1.01
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	14	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2454)	1:57:A:GLN:H	1:54:A:LEU:HA	15	1.01
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	6	1.01
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	6	1.01
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	6	1.01
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	6	1.01
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	6	1.01
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	6	1.01
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	10	1.01
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	10	1.01
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	10	1.01
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	10	1.01
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	10	1.01
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	10	1.01
(1,2448)	1:56:A:LEU:HB3	1:51:A:THR:H	6	1.01
(1,2446)	1:55:A:LYS:HG2	1:54:A:LEU:H	5	1.01
(1,2446)	1:55:A:LYS:HG3	1:54:A:LEU:H	5	1.01
(1,2446)	1:55:A:LYS:HG2	1:54:A:LEU:H	7	1.01
(1,2446)	1:55:A:LYS:HG3	1:54:A:LEU:H	7	1.01
(1,2431)	1:50:A:LEU:H	1:54:A:LEU:HB3	8	1.01
(1,2431)	1:50:A:LEU:H	1:54:A:LEU:HB3	13	1.01
(1,2426)	1:49:A:GLU:HA	1:53:A:GLU:H	2	1.01
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG21	11	1.01
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG22	11	1.01
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG23	11	1.01
(1,2407)	1:45:A:THR:HA	1:50:A:LEU:H	14	1.01
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG2	13	1.01
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG3	13	1.01
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD2	2	1.01
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD3	2	1.01
(1,2386)	1:21:A:GLY:H	1:24:A:ARG:H	13	1.01
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD21	2	1.01
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD22	2	1.01
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD23	2	1.01
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD21	11	1.01
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD22	11	1.01
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD23	11	1.01
(1,2375)	1:17:A:LEU:H	1:22:A:PRO:HA	3	1.01
(1,2375)	1:17:A:LEU:H	1:22:A:PRO:HA	4	1.01
(1,2375)	1:17:A:LEU:H	1:22:A:PRO:HA	5	1.01
(1,2375)	1:17:A:LEU:H	1:22:A:PRO:HA	6	1.01
(1,2375)	1:17:A:LEU:H	1:22:A:PRO:HA	7	1.01
(1,2375)	1:17:A:LEU:H	1:22:A:PRO:HA	8	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2375)	1:17:A:LEU:H	1:22:A:PRO:HA	10	1.01
(1,2375)	1:17:A:LEU:H	1:22:A:PRO:HA	14	1.01
(1,2375)	1:17:A:LEU:H	1:22:A:PRO:HA	15	1.01
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	11	1.01
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	11	1.01
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	11	1.01
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	11	1.01
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	11	1.01
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	11	1.01
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	11	1.01
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	11	1.01
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	11	1.01
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD21	2	1.01
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD22	2	1.01
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD23	2	1.01
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD21	10	1.01
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD22	10	1.01
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD23	10	1.01
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD21	11	1.01
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD22	11	1.01
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD23	11	1.01
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD21	12	1.01
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD22	12	1.01
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD23	12	1.01
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	1	1.01
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	1	1.01
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	1	1.01
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	1	1.01
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	1	1.01
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	1	1.01
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	1	1.01
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	1	1.01
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	1	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE1	1	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE2	1	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE3	1	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE1	1	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE2	1	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE3	1	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE1	1	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE2	1	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE3	1	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE1	2	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE2	2	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE3	2	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE1	2	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE2	2	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE3	2	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE1	2	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE2	2	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE3	2	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE1	3	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE2	3	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE3	3	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE1	3	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE2	3	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE3	3	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE1	3	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE2	3	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE3	3	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE1	4	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE2	4	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE3	4	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE1	4	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE2	4	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE3	4	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE1	4	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE2	4	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE3	4	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE1	5	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE2	5	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE3	5	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE1	5	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE2	5	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE3	5	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE1	5	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE2	5	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE3	5	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE1	9	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE2	9	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE3	9	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE1	9	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE2	9	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE3	9	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE1	9	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE2	9	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE3	9	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE1	10	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE2	10	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE3	10	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE1	10	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE2	10	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE3	10	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE1	10	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE2	10	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE3	10	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE1	11	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE2	11	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE3	11	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE1	11	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE2	11	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE3	11	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE1	11	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE2	11	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE3	11	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE1	12	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE2	12	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE3	12	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE1	12	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE2	12	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE3	12	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE1	12	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE2	12	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE3	12	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE1	13	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE2	13	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE3	13	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE1	13	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE2	13	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE3	13	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE1	13	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE2	13	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE3	13	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE1	14	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE2	14	1.01
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE3	14	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE1	14	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE2	14	1.01
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE3	14	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE1	14	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE2	14	1.01
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE3	14	1.01
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD11	2	1.01
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD12	2	1.01
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD13	2	1.01
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD11	11	1.01
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD12	11	1.01
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD13	11	1.01
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD11	12	1.01
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD12	12	1.01
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD13	12	1.01
(1,2352)	1:71:A:LEU:HB3	1:75:A:THR:H	3	1.01
(1,2352)	1:71:A:LEU:HB3	1:75:A:THR:H	6	1.01
(1,2352)	1:71:A:LEU:HB3	1:75:A:THR:H	8	1.01
(1,2352)	1:71:A:LEU:HB3	1:75:A:THR:H	9	1.01
(1,2352)	1:71:A:LEU:HB3	1:75:A:THR:H	13	1.01
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD11	4	1.01
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD12	4	1.01
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD13	4	1.01
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD11	14	1.01
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD12	14	1.01
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD13	14	1.01
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD21	5	1.01
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD22	5	1.01
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD23	5	1.01
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	1	1.01
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	1	1.01
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	1	1.01
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	1	1.01
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	9	1.01
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	9	1.01
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	9	1.01
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	9	1.01
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	14	1.01
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	14	1.01
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	14	1.01
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	14	1.01
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB2	4	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB3	4	1.01
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB2	6	1.01
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB3	6	1.01
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	10	1.01
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	10	1.01
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	10	1.01
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	10	1.01
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	10	1.01
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	10	1.01
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	14	1.01
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	14	1.01
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	14	1.01
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	14	1.01
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	14	1.01
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	14	1.01
(1,2330)	1:57:A:GLN:H	1:54:A:LEU:HA	15	1.01
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	6	1.01
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	6	1.01
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	6	1.01
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	6	1.01
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	6	1.01
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	6	1.01
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	10	1.01
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	10	1.01
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	10	1.01
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	10	1.01
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	10	1.01
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	10	1.01
(1,2324)	1:56:A:LEU:HB3	1:51:A:THR:H	6	1.01
(1,2322)	1:55:A:LYS:HG2	1:54:A:LEU:H	5	1.01
(1,2322)	1:55:A:LYS:HG3	1:54:A:LEU:H	5	1.01
(1,2322)	1:55:A:LYS:HG2	1:54:A:LEU:H	7	1.01
(1,2322)	1:55:A:LYS:HG3	1:54:A:LEU:H	7	1.01
(1,2307)	1:50:A:LEU:H	1:54:A:LEU:HB3	8	1.01
(1,2307)	1:50:A:LEU:H	1:54:A:LEU:HB3	13	1.01
(1,2302)	1:49:A:GLU:HA	1:53:A:GLU:H	2	1.01
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG21	11	1.01
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG22	11	1.01
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG23	11	1.01
(1,2283)	1:45:A:THR:HA	1:50:A:LEU:H	14	1.01
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG2	13	1.01
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG3	13	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD2	2	1.01
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD3	2	1.01
(1,2262)	1:21:A:GLY:H	1:24:A:ARG:H	13	1.01
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD21	2	1.01
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD22	2	1.01
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD23	2	1.01
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD21	11	1.01
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD22	11	1.01
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD23	11	1.01
(1,2251)	1:17:A:LEU:H	1:22:A:PRO:HA	3	1.01
(1,2251)	1:17:A:LEU:H	1:22:A:PRO:HA	4	1.01
(1,2251)	1:17:A:LEU:H	1:22:A:PRO:HA	5	1.01
(1,2251)	1:17:A:LEU:H	1:22:A:PRO:HA	6	1.01
(1,2251)	1:17:A:LEU:H	1:22:A:PRO:HA	7	1.01
(1,2251)	1:17:A:LEU:H	1:22:A:PRO:HA	8	1.01
(1,2251)	1:17:A:LEU:H	1:22:A:PRO:HA	10	1.01
(1,2251)	1:17:A:LEU:H	1:22:A:PRO:HA	14	1.01
(1,2251)	1:17:A:LEU:H	1:22:A:PRO:HA	15	1.01
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	11	1.01
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	11	1.01
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	11	1.01
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	11	1.01
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	11	1.01
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	11	1.01
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	11	1.01
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	11	1.01
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	11	1.01
(1,2243)	1:103:A:GLU:H	1:102:A:LEU:HB3	11	1.01
(1,2228)	1:101:A:PRO:HD2	1:100:A:ASP:H	5	1.01
(1,2228)	1:101:A:PRO:HD3	1:100:A:ASP:H	5	1.01
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE1	8	1.01
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE2	8	1.01
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE3	8	1.01
(1,2110)	1:85:A:LEU:HA	1:86:A:ARG:H	1	1.01
(1,2110)	1:85:A:LEU:HA	1:86:A:ARG:H	2	1.01
(1,2110)	1:85:A:LEU:HA	1:86:A:ARG:H	4	1.01
(1,2110)	1:85:A:LEU:HA	1:86:A:ARG:H	6	1.01
(1,2110)	1:85:A:LEU:HA	1:86:A:ARG:H	9	1.01
(1,2110)	1:85:A:LEU:HA	1:86:A:ARG:H	13	1.01
(1,2110)	1:85:A:LEU:HA	1:86:A:ARG:H	15	1.01
(1,2102)	1:84:A:GLU:HA	1:85:A:LEU:H	1	1.01
(1,2102)	1:84:A:GLU:HA	1:85:A:LEU:H	2	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2102)	1:84:A:GLU:HA	1:85:A:LEU:H	4	1.01
(1,2102)	1:84:A:GLU:HA	1:85:A:LEU:H	6	1.01
(1,2102)	1:84:A:GLU:HA	1:85:A:LEU:H	8	1.01
(1,2102)	1:84:A:GLU:HA	1:85:A:LEU:H	10	1.01
(1,2102)	1:84:A:GLU:HA	1:85:A:LEU:H	12	1.01
(1,2102)	1:84:A:GLU:HA	1:85:A:LEU:H	15	1.01
(1,2088)	1:83:A:ASP:HA	1:86:A:ARG:H	7	1.01
(1,2088)	1:83:A:ASP:HA	1:86:A:ARG:H	10	1.01
(1,2053)	1:80:A:ALA:HA	1:81:A:SER:H	7	1.01
(1,2050)	1:79:A:LYS:H	1:82:A:MET:HG2	7	1.01
(1,2050)	1:79:A:LYS:H	1:82:A:MET:HG3	7	1.01
(1,1990)	1:73:A:ASN:H	1:72:A:THR:HA	6	1.01
(1,1977)	1:71:A:LEU:HB3	1:72:A:THR:H	9	1.01
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD21	9	1.01
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD22	9	1.01
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD23	9	1.01
(1,1915)	1:64:A:LYS:H	1:67:A:GLU:H	7	1.01
(1,1908)	1:64:A:LYS:H	1:61:A:ASP:H	14	1.01
(1,1889)	1:62:A:SER:H	1:60:A:GLN:HA	5	1.01
(1,1887)	1:61:A:ASP:HA	1:64:A:LYS:H	12	1.01
(1,1867)	1:57:A:GLN:H	1:55:A:LYS:HG3	11	1.01
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB2	11	1.01
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB3	11	1.01
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG21	8	1.01
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG22	8	1.01
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG23	8	1.01
(1,1842)	1:51:A:THR:HA	1:52:A:GLN:H	12	1.01
(1,1827)	1:47:A:GLN:HA	1:46:A:VAL:HB	8	1.01
(1,1827)	1:47:A:GLN:HA	1:46:A:VAL:HB	9	1.01
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG21	1	1.01
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG22	1	1.01
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG23	1	1.01
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG21	2	1.01
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG22	2	1.01
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG23	2	1.01
(1,1807)	1:45:A:THR:H	1:44:A:THR:HA	1	1.01
(1,1807)	1:45:A:THR:H	1:44:A:THR:HA	2	1.01
(1,1807)	1:45:A:THR:H	1:44:A:THR:HA	5	1.01
(1,1807)	1:45:A:THR:H	1:44:A:THR:HA	7	1.01
(1,1807)	1:45:A:THR:H	1:44:A:THR:HA	14	1.01
(1,1790)	1:42:A:LEU:HD11	1:45:A:THR:HB	13	1.01
(1,1790)	1:42:A:LEU:HD12	1:45:A:THR:HB	13	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1790)	1:42:A:LEU:HD13	1:45:A:THR:HB	13	1.01
(1,1790)	1:42:A:LEU:HD21	1:45:A:THR:HB	13	1.01
(1,1790)	1:42:A:LEU:HD22	1:45:A:THR:HB	13	1.01
(1,1790)	1:42:A:LEU:HD23	1:45:A:THR:HB	13	1.01
(1,1785)	1:42:A:LEU:H	1:39:A:LEU:HA	11	1.01
(1,1771)	1:38:A:ALA:H	1:36:A:ILE:HA	5	1.01
(1,1771)	1:38:A:ALA:H	1:36:A:ILE:HA	7	1.01
(1,1771)	1:38:A:ALA:H	1:36:A:ILE:HA	14	1.01
(1,1758)	1:35:A:TRP:H	1:37:A:ARG:H	11	1.01
(1,1751)	1:33:A:ALA:HA	1:36:A:ILE:HA	3	1.01
(1,1732)	1:29:A:VAL:HA	1:30:A:LYS:H	1	1.01
(1,1656)	1:14:A:ILE:H	1:13:A:PHE:HA	3	1.01
(1,1656)	1:14:A:ILE:H	1:13:A:PHE:HA	7	1.01
(1,1656)	1:14:A:ILE:H	1:13:A:PHE:HA	8	1.01
(1,1656)	1:14:A:ILE:H	1:13:A:PHE:HA	11	1.01
(1,1656)	1:14:A:ILE:H	1:13:A:PHE:HA	15	1.01
(1,1604)	1:8:A:GLU:HB2	1:4:A:ILE:HA	13	1.01
(1,1579)	1:4:A:ILE:HG12	1:5:A:GLY:H	12	1.01
(1,1579)	1:4:A:ILE:HG13	1:5:A:GLY:H	12	1.01
(1,1570)	1:3:A:ASP:HA	1:5:A:GLY:H	1	1.01
(1,1570)	1:3:A:ASP:HA	1:5:A:GLY:H	9	1.01
(1,1570)	1:3:A:ASP:HA	1:5:A:GLY:H	14	1.01
(1,1551)	1:2:A:PHE:HD1	1:3:A:ASP:H	1	1.01
(1,1551)	1:2:A:PHE:HD2	1:3:A:ASP:H	1	1.01
(1,1551)	1:2:A:PHE:HD1	1:3:A:ASP:H	9	1.01
(1,1551)	1:2:A:PHE:HD2	1:3:A:ASP:H	9	1.01
(1,1551)	1:2:A:PHE:HD1	1:3:A:ASP:H	14	1.01
(1,1551)	1:2:A:PHE:HD2	1:3:A:ASP:H	14	1.01
(1,1540)	1:103:A:GLU:H	1:101:A:PRO:HA	4	1.01
(1,1526)	1:95:A:SER:HA	1:94:A:ARG:HG2	8	1.01
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD3	2	1.01
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD2	2	1.01
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD3	5	1.01
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD2	5	1.01
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD3	15	1.01
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD2	15	1.01
(1,1474)	1:73:A:ASN:H	1:75:A:THR:H	4	1.01
(1,1453)	1:67:A:GLU:HG2	1:70:A:SER:H	2	1.01
(1,1453)	1:67:A:GLU:HG3	1:70:A:SER:H	2	1.01
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG2	6	1.01
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG3	6	1.01
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG2	14	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG3	14	1.01
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB1	14	1.01
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB2	14	1.01
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB3	14	1.01
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG2	3	1.01
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG3	3	1.01
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG2	3	1.01
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG3	3	1.01
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG2	3	1.01
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG3	3	1.01
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG2	4	1.01
(1,1401)	1:44:A:THR:HG21	1:47:A:GLN:HG3	4	1.01
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG2	4	1.01
(1,1401)	1:44:A:THR:HG22	1:47:A:GLN:HG3	4	1.01
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG2	4	1.01
(1,1401)	1:44:A:THR:HG23	1:47:A:GLN:HG3	4	1.01
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG2	15	1.01
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG3	15	1.01
(1,1385)	1:41:A:SER:HA	1:44:A:THR:HB	8	1.01
(1,1385)	1:41:A:SER:HA	1:44:A:THR:HB	9	1.01
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG21	14	1.01
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG22	14	1.01
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG23	14	1.01
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA3	2	1.01
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA2	2	1.01
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA3	8	1.01
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA2	8	1.01
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA3	12	1.01
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA2	12	1.01
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA3	13	1.01
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA2	13	1.01
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA3	14	1.01
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA2	14	1.01
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA3	15	1.01
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA2	15	1.01
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG11	2	1.01
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG12	2	1.01
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG13	2	1.01
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG11	3	1.01
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG12	3	1.01
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG13	3	1.01
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG11	6	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG12	6	1.01
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG13	6	1.01
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG11	9	1.01
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG12	9	1.01
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG13	9	1.01
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG11	10	1.01
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG12	10	1.01
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG13	10	1.01
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG11	11	1.01
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG12	11	1.01
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG13	11	1.01
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG11	11	1.01
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG12	11	1.01
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG13	11	1.01
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG11	14	1.01
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG12	14	1.01
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG13	14	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD11	1	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD12	1	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD13	1	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD21	1	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD22	1	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD23	1	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD11	4	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD12	4	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD13	4	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD21	4	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD22	4	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD23	4	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD11	10	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD12	10	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD13	10	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD21	10	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD22	10	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD23	10	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD11	14	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD12	14	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD13	14	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD21	14	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD22	14	1.01
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD23	14	1.01
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD11	2	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD12	2	1.01
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD13	2	1.01
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD21	2	1.01
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD22	2	1.01
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD23	2	1.01
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD11	9	1.01
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD12	9	1.01
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD13	9	1.01
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD11	10	1.01
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD12	10	1.01
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD13	10	1.01
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD11	14	1.01
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD12	14	1.01
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD13	14	1.01
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG21	6	1.01
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG22	6	1.01
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG23	6	1.01
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG21	13	1.01
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG22	13	1.01
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG23	13	1.01
(1,1251)	1:9:A:LEU:HD11	1:11:A:LEU:H	14	1.01
(1,1251)	1:9:A:LEU:HD12	1:11:A:LEU:H	14	1.01
(1,1251)	1:9:A:LEU:HD13	1:11:A:LEU:H	14	1.01
(1,1251)	1:9:A:LEU:HD21	1:11:A:LEU:H	14	1.01
(1,1251)	1:9:A:LEU:HD22	1:11:A:LEU:H	14	1.01
(1,1251)	1:9:A:LEU:HD23	1:11:A:LEU:H	14	1.01
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG21	5	1.01
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG22	5	1.01
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG23	5	1.01
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG21	5	1.01
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG22	5	1.01
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG23	5	1.01
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG21	5	1.01
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG22	5	1.01
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG23	5	1.01
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG21	15	1.01
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG22	15	1.01
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG23	15	1.01
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG21	15	1.01
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG22	15	1.01
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG23	15	1.01
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG21	15	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG22	15	1.01
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG23	15	1.01
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG21	1	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG22	1	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG23	1	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG21	1	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG22	1	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG23	1	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG21	2	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG22	2	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG23	2	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG21	2	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG22	2	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG23	2	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG21	3	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG22	3	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG23	3	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG21	3	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG22	3	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG23	3	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG21	4	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG22	4	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG23	4	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG21	4	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG22	4	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG23	4	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG21	5	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG22	5	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG23	5	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG21	5	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG22	5	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG23	5	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG21	6	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG22	6	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG23	6	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG21	6	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG22	6	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG23	6	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG21	7	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG22	7	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG23	7	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG21	7	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG22	7	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG23	7	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG21	8	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG22	8	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG23	8	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG21	8	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG22	8	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG23	8	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG21	9	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG22	9	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG23	9	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG21	9	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG22	9	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG23	9	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG21	10	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG22	10	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG23	10	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG21	10	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG22	10	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG23	10	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG21	11	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG22	11	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG23	11	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG21	11	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG22	11	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG23	11	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG21	12	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG22	12	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG23	12	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG21	12	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG22	12	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG23	12	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG21	13	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG22	13	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG23	13	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG21	13	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG22	13	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG23	13	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG21	14	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG22	14	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG23	14	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG21	14	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG22	14	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG23	14	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG21	15	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG22	15	1.0
(1,2866)	1:79:A:LYS:HE2	1:75:A:THR:HG23	15	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG21	15	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG22	15	1.0
(1,2866)	1:79:A:LYS:HE3	1:75:A:THR:HG23	15	1.0
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	1	1.0
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	1	1.0
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	1	1.0
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	1	1.0
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	1	1.0
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	1	1.0
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	2	1.0
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	2	1.0
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	2	1.0
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	2	1.0
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	2	1.0
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	2	1.0
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	5	1.0
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	5	1.0
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	5	1.0
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	5	1.0
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	5	1.0
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	5	1.0
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	7	1.0
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	7	1.0
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	7	1.0
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	7	1.0
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	7	1.0
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	7	1.0
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	10	1.0
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	10	1.0
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	10	1.0
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	10	1.0
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	10	1.0
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	10	1.0
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	11	1.0
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	11	1.0
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	11	1.0
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	11	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	11	1.0
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	11	1.0
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	12	1.0
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	12	1.0
(1,2864)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	12	1.0
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	12	1.0
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	12	1.0
(1,2864)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	12	1.0
(1,2856)	1:73:A:ASN:H	1:71:A:LEU:H	4	1.0
(1,2856)	1:73:A:ASN:H	1:71:A:LEU:H	14	1.0
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD11	1	1.0
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD12	1	1.0
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD13	1	1.0
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD11	2	1.0
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD12	2	1.0
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD13	2	1.0
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD11	5	1.0
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD12	5	1.0
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD13	5	1.0
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD11	7	1.0
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD12	7	1.0
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD13	7	1.0
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD11	10	1.0
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD12	10	1.0
(1,2850)	1:71:A:LEU:H	1:78:A:LEU:HD13	10	1.0
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	13	1.0
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	13	1.0
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	13	1.0
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	13	1.0
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	13	1.0
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	13	1.0
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD21	7	1.0
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD22	7	1.0
(1,2841)	1:67:A:GLU:HA	1:78:A:LEU:HD23	7	1.0
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	6	1.0
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	6	1.0
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	6	1.0
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	6	1.0
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	6	1.0
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	6	1.0
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	6	1.0
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	6	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	6	1.0
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	6	1.0
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	6	1.0
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	6	1.0
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	5	1.0
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	5	1.0
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	5	1.0
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	5	1.0
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	6	1.0
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	6	1.0
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	6	1.0
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	6	1.0
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	11	1.0
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	11	1.0
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	11	1.0
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	11	1.0
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	15	1.0
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	15	1.0
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	15	1.0
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	15	1.0
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB2	3	1.0
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB3	3	1.0
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB2	15	1.0
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB3	15	1.0
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD11	8	1.0
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD12	8	1.0
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD13	8	1.0
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD21	8	1.0
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD22	8	1.0
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD23	8	1.0
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	1	1.0
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	1	1.0
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	1	1.0
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	1	1.0
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	1	1.0
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	1	1.0
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	1	1.0
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	1	1.0
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	1	1.0
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	1	1.0
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	1	1.0
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	1	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	15	1.0
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	15	1.0
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	15	1.0
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	15	1.0
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	15	1.0
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	15	1.0
(1,2800)	1:49:A:GLU:HA	1:54:A:LEU:H	12	1.0
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG21	13	1.0
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG22	13	1.0
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG23	13	1.0
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG21	15	1.0
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG22	15	1.0
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG23	15	1.0
(1,2793)	1:49:A:GLU:H	1:44:A:THR:HA	3	1.0
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG21	1	1.0
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG22	1	1.0
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG23	1	1.0
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG21	1	1.0
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG22	1	1.0
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG23	1	1.0
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG2	6	1.0
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG3	6	1.0
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG2	8	1.0
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG3	8	1.0
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG2	9	1.0
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG3	9	1.0
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG2	15	1.0
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG3	15	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD2	1	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD3	1	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD2	3	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD3	3	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD2	4	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD3	4	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD2	5	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD3	5	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD2	6	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD3	6	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD2	7	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD3	7	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD2	8	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD3	8	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD2	9	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD3	9	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD2	10	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD3	10	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD2	11	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD3	11	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD2	13	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD3	13	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD2	14	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD3	14	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD2	15	1.0
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD3	15	1.0
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD21	9	1.0
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD22	9	1.0
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD23	9	1.0
(1,2747)	1:17:A:LEU:H	1:22:A:PRO:HA	1	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG21	1	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG22	1	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG23	1	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG21	1	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG22	1	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG23	1	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG21	2	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG22	2	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG23	2	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG21	2	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG22	2	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG23	2	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG21	3	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG22	3	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG23	3	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG21	3	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG22	3	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG23	3	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG21	4	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG22	4	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG23	4	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG21	4	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG22	4	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG23	4	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG21	5	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG22	5	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG23	5	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG21	5	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG22	5	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG23	5	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG21	6	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG22	6	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG23	6	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG21	6	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG22	6	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG23	6	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG21	7	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG22	7	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG23	7	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG21	7	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG22	7	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG23	7	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG21	8	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG22	8	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG23	8	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG21	8	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG22	8	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG23	8	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG21	9	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG22	9	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG23	9	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG21	9	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG22	9	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG23	9	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG21	10	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG22	10	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG23	10	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG21	10	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG22	10	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG23	10	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG21	11	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG22	11	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG23	11	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG21	11	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG22	11	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG23	11	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG21	12	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG22	12	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG23	12	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG21	12	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG22	12	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG23	12	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG21	13	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG22	13	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG23	13	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG21	13	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG22	13	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG23	13	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG21	14	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG22	14	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG23	14	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG21	14	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG22	14	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG23	14	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG21	15	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG22	15	1.0
(1,2742)	1:79:A:LYS:HE2	1:75:A:THR:HG23	15	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG21	15	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG22	15	1.0
(1,2742)	1:79:A:LYS:HE3	1:75:A:THR:HG23	15	1.0
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	1	1.0
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	1	1.0
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	1	1.0
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	1	1.0
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	1	1.0
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	1	1.0
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	2	1.0
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	2	1.0
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	2	1.0
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	2	1.0
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	2	1.0
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	2	1.0
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	5	1.0
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	5	1.0
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	5	1.0
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	5	1.0
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	5	1.0
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	5	1.0
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	7	1.0
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	7	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	7	1.0
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	7	1.0
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	7	1.0
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	7	1.0
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	10	1.0
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	10	1.0
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	10	1.0
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	10	1.0
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	10	1.0
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	10	1.0
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	11	1.0
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	11	1.0
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	11	1.0
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	11	1.0
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	11	1.0
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	11	1.0
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	12	1.0
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	12	1.0
(1,2740)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	12	1.0
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	12	1.0
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	12	1.0
(1,2740)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	12	1.0
(1,2732)	1:73:A:ASN:H	1:71:A:LEU:H	4	1.0
(1,2732)	1:73:A:ASN:H	1:71:A:LEU:H	14	1.0
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD11	1	1.0
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD12	1	1.0
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD13	1	1.0
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD11	2	1.0
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD12	2	1.0
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD13	2	1.0
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD11	5	1.0
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD12	5	1.0
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD13	5	1.0
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD11	7	1.0
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD12	7	1.0
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD13	7	1.0
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD11	10	1.0
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD12	10	1.0
(1,2726)	1:71:A:LEU:H	1:78:A:LEU:HD13	10	1.0
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	13	1.0
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	13	1.0
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	13	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	13	1.0
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	13	1.0
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	13	1.0
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD21	7	1.0
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD22	7	1.0
(1,2717)	1:67:A:GLU:HA	1:78:A:LEU:HD23	7	1.0
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	6	1.0
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	6	1.0
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	6	1.0
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	6	1.0
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	6	1.0
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	6	1.0
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	6	1.0
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	6	1.0
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	6	1.0
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	6	1.0
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	6	1.0
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	6	1.0
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	5	1.0
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	5	1.0
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	5	1.0
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	5	1.0
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	6	1.0
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	6	1.0
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	6	1.0
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	6	1.0
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	11	1.0
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	11	1.0
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	11	1.0
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	11	1.0
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	15	1.0
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	15	1.0
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	15	1.0
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	15	1.0
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB2	3	1.0
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB3	3	1.0
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB2	15	1.0
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB3	15	1.0
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD11	8	1.0
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD12	8	1.0
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD13	8	1.0
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD21	8	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD22	8	1.0
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD23	8	1.0
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	1	1.0
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	1	1.0
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	1	1.0
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	1	1.0
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	1	1.0
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	1	1.0
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	1	1.0
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	1	1.0
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	1	1.0
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	1	1.0
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	1	1.0
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	1	1.0
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	15	1.0
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	15	1.0
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	15	1.0
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	15	1.0
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	15	1.0
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	15	1.0
(1,2676)	1:49:A:GLU:HA	1:54:A:LEU:H	12	1.0
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG21	13	1.0
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG22	13	1.0
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG23	13	1.0
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG21	15	1.0
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG22	15	1.0
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG23	15	1.0
(1,2669)	1:49:A:GLU:H	1:44:A:THR:HA	3	1.0
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG21	1	1.0
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG22	1	1.0
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG23	1	1.0
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG21	1	1.0
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG22	1	1.0
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG23	1	1.0
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG2	6	1.0
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG3	6	1.0
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG2	8	1.0
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG3	8	1.0
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG2	9	1.0
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG3	9	1.0
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG2	15	1.0
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG3	15	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD2	1	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD3	1	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD2	3	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD3	3	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD2	4	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD3	4	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD2	5	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD3	5	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD2	6	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD3	6	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD2	7	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD3	7	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD2	8	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD3	8	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD2	9	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD3	9	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD2	10	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD3	10	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD2	11	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD3	11	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD2	13	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD3	13	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD2	14	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD3	14	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD2	15	1.0
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD3	15	1.0
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD21	9	1.0
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD22	9	1.0
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD23	9	1.0
(1,2623)	1:17:A:LEU:H	1:22:A:PRO:HA	1	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG21	1	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG22	1	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG23	1	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG21	1	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG22	1	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG23	1	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG21	2	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG22	2	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG23	2	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG21	2	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG22	2	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG23	2	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG21	3	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG22	3	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG23	3	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG21	3	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG22	3	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG23	3	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG21	4	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG22	4	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG23	4	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG21	4	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG22	4	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG23	4	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG21	5	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG22	5	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG23	5	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG21	5	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG22	5	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG23	5	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG21	6	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG22	6	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG23	6	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG21	6	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG22	6	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG23	6	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG21	7	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG22	7	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG23	7	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG21	7	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG22	7	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG23	7	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG21	8	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG22	8	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG23	8	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG21	8	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG22	8	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG23	8	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG21	9	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG22	9	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG23	9	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG21	9	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG22	9	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG23	9	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG21	10	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG22	10	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG23	10	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG21	10	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG22	10	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG23	10	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG21	11	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG22	11	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG23	11	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG21	11	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG22	11	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG23	11	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG21	12	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG22	12	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG23	12	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG21	12	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG22	12	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG23	12	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG21	13	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG22	13	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG23	13	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG21	13	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG22	13	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG23	13	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG21	14	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG22	14	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG23	14	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG21	14	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG22	14	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG23	14	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG21	15	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG22	15	1.0
(1,2618)	1:79:A:LYS:HE2	1:75:A:THR:HG23	15	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG21	15	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG22	15	1.0
(1,2618)	1:79:A:LYS:HE3	1:75:A:THR:HG23	15	1.0
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	1	1.0
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	1	1.0
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	1	1.0
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	1	1.0
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	1	1.0
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	1	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	2	1.0
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	2	1.0
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	2	1.0
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	2	1.0
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	2	1.0
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	2	1.0
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	5	1.0
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	5	1.0
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	5	1.0
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	5	1.0
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	5	1.0
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	5	1.0
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	7	1.0
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	7	1.0
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	7	1.0
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	7	1.0
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	7	1.0
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	7	1.0
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	10	1.0
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	10	1.0
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	10	1.0
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	10	1.0
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	10	1.0
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	10	1.0
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	11	1.0
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	11	1.0
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	11	1.0
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	11	1.0
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	11	1.0
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	11	1.0
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	12	1.0
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	12	1.0
(1,2616)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	12	1.0
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	12	1.0
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	12	1.0
(1,2616)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	12	1.0
(1,2608)	1:73:A:ASN:H	1:71:A:LEU:H	4	1.0
(1,2608)	1:73:A:ASN:H	1:71:A:LEU:H	14	1.0
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD11	1	1.0
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD12	1	1.0
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD13	1	1.0
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD11	2	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD12	2	1.0
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD13	2	1.0
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD11	5	1.0
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD12	5	1.0
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD13	5	1.0
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD11	7	1.0
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD12	7	1.0
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD13	7	1.0
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD11	10	1.0
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD12	10	1.0
(1,2602)	1:71:A:LEU:H	1:78:A:LEU:HD13	10	1.0
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	13	1.0
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	13	1.0
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	13	1.0
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	13	1.0
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	13	1.0
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	13	1.0
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD21	7	1.0
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD22	7	1.0
(1,2593)	1:67:A:GLU:HA	1:78:A:LEU:HD23	7	1.0
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	6	1.0
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	6	1.0
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	6	1.0
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	6	1.0
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	6	1.0
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	6	1.0
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	6	1.0
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	6	1.0
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	6	1.0
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	6	1.0
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	6	1.0
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	6	1.0
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	5	1.0
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	5	1.0
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	5	1.0
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	5	1.0
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	6	1.0
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	6	1.0
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	6	1.0
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	6	1.0
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	11	1.0
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	11	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	11	1.0
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	11	1.0
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	15	1.0
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	15	1.0
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	15	1.0
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	15	1.0
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB2	3	1.0
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB3	3	1.0
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB2	15	1.0
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB3	15	1.0
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD11	8	1.0
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD12	8	1.0
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD13	8	1.0
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD21	8	1.0
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD22	8	1.0
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD23	8	1.0
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	1	1.0
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	1	1.0
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	1	1.0
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	1	1.0
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	1	1.0
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	1	1.0
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	1	1.0
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	1	1.0
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	1	1.0
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	1	1.0
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	1	1.0
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	1	1.0
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	15	1.0
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	15	1.0
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	15	1.0
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	15	1.0
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	15	1.0
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	15	1.0
(1,2552)	1:49:A:GLU:HA	1:54:A:LEU:H	12	1.0
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG21	13	1.0
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG22	13	1.0
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG23	13	1.0
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG21	15	1.0
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG22	15	1.0
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG23	15	1.0
(1,2545)	1:49:A:GLU:H	1:44:A:THR:HA	3	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG21	1	1.0
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG22	1	1.0
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG23	1	1.0
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG21	1	1.0
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG22	1	1.0
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG23	1	1.0
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG2	6	1.0
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG3	6	1.0
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG2	8	1.0
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG3	8	1.0
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG2	9	1.0
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG3	9	1.0
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG2	15	1.0
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG3	15	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD2	1	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD3	1	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD2	3	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD3	3	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD2	4	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD3	4	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD2	5	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD3	5	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD2	6	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD3	6	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD2	7	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD3	7	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD2	8	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD3	8	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD2	9	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD3	9	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD2	10	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD3	10	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD2	11	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD3	11	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD2	13	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD3	13	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD2	14	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD3	14	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD2	15	1.0
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD3	15	1.0
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD21	9	1.0
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD22	9	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD23	9	1.0
(1,2499)	1:17:A:LEU:H	1:22:A:PRO:HA	1	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG21	1	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG22	1	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG23	1	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG21	1	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG22	1	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG23	1	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG21	2	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG22	2	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG23	2	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG21	2	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG22	2	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG23	2	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG21	3	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG22	3	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG23	3	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG21	3	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG22	3	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG23	3	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG21	4	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG22	4	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG23	4	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG21	4	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG22	4	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG23	4	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG21	5	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG22	5	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG23	5	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG21	5	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG22	5	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG23	5	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG21	6	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG22	6	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG23	6	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG21	6	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG22	6	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG23	6	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG21	7	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG22	7	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG23	7	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG21	7	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG22	7	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG23	7	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG21	8	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG22	8	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG23	8	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG21	8	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG22	8	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG23	8	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG21	9	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG22	9	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG23	9	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG21	9	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG22	9	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG23	9	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG21	10	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG22	10	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG23	10	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG21	10	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG22	10	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG23	10	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG21	11	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG22	11	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG23	11	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG21	11	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG22	11	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG23	11	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG21	12	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG22	12	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG23	12	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG21	12	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG22	12	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG23	12	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG21	13	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG22	13	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG23	13	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG21	13	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG22	13	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG23	13	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG21	14	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG22	14	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG23	14	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG21	14	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG22	14	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG23	14	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG21	15	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG22	15	1.0
(1,2494)	1:79:A:LYS:HE2	1:75:A:THR:HG23	15	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG21	15	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG22	15	1.0
(1,2494)	1:79:A:LYS:HE3	1:75:A:THR:HG23	15	1.0
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	1	1.0
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	1	1.0
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	1	1.0
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	1	1.0
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	1	1.0
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	1	1.0
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	2	1.0
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	2	1.0
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	2	1.0
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	2	1.0
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	2	1.0
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	2	1.0
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	5	1.0
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	5	1.0
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	5	1.0
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	5	1.0
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	5	1.0
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	5	1.0
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	7	1.0
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	7	1.0
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	7	1.0
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	7	1.0
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	7	1.0
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	7	1.0
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	10	1.0
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	10	1.0
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	10	1.0
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	10	1.0
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	10	1.0
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	10	1.0
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	11	1.0
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	11	1.0
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	11	1.0
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	11	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	11	1.0
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	11	1.0
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	12	1.0
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	12	1.0
(1,2492)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	12	1.0
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	12	1.0
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	12	1.0
(1,2492)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	12	1.0
(1,2484)	1:73:A:ASN:H	1:71:A:LEU:H	4	1.0
(1,2484)	1:73:A:ASN:H	1:71:A:LEU:H	14	1.0
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD11	1	1.0
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD12	1	1.0
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD13	1	1.0
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD11	2	1.0
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD12	2	1.0
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD13	2	1.0
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD11	5	1.0
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD12	5	1.0
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD13	5	1.0
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD11	7	1.0
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD12	7	1.0
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD13	7	1.0
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD11	10	1.0
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD12	10	1.0
(1,2478)	1:71:A:LEU:H	1:78:A:LEU:HD13	10	1.0
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	13	1.0
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	13	1.0
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	13	1.0
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	13	1.0
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	13	1.0
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	13	1.0
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD21	7	1.0
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD22	7	1.0
(1,2469)	1:67:A:GLU:HA	1:78:A:LEU:HD23	7	1.0
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	6	1.0
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	6	1.0
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	6	1.0
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	6	1.0
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	6	1.0
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	6	1.0
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	6	1.0
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	6	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	6	1.0
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	6	1.0
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	6	1.0
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	6	1.0
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	5	1.0
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	5	1.0
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	5	1.0
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	5	1.0
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	6	1.0
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	6	1.0
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	6	1.0
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	6	1.0
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	11	1.0
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	11	1.0
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	11	1.0
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	11	1.0
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	15	1.0
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	15	1.0
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	15	1.0
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	15	1.0
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB2	3	1.0
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB3	3	1.0
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB2	15	1.0
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB3	15	1.0
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD11	8	1.0
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD12	8	1.0
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD13	8	1.0
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD21	8	1.0
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD22	8	1.0
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD23	8	1.0
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	1	1.0
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	1	1.0
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	1	1.0
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	1	1.0
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	1	1.0
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	1	1.0
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	1	1.0
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	1	1.0
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	1	1.0
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	1	1.0
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	1	1.0
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	1	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	15	1.0
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	15	1.0
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	15	1.0
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	15	1.0
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	15	1.0
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	15	1.0
(1,2428)	1:49:A:GLU:HA	1:54:A:LEU:H	12	1.0
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG21	13	1.0
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG22	13	1.0
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG23	13	1.0
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG21	15	1.0
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG22	15	1.0
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG23	15	1.0
(1,2421)	1:49:A:GLU:H	1:44:A:THR:HA	3	1.0
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG21	1	1.0
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG22	1	1.0
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG23	1	1.0
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG21	1	1.0
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG22	1	1.0
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG23	1	1.0
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG2	6	1.0
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG3	6	1.0
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG2	8	1.0
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG3	8	1.0
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG2	9	1.0
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG3	9	1.0
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG2	15	1.0
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG3	15	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD2	1	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD3	1	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD2	3	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD3	3	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD2	4	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD3	4	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD2	5	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD3	5	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD2	6	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD3	6	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD2	7	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD3	7	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD2	8	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD3	8	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD2	9	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD3	9	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD2	10	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD3	10	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD2	11	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD3	11	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD2	13	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD3	13	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD2	14	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD3	14	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD2	15	1.0
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD3	15	1.0
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD21	9	1.0
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD22	9	1.0
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD23	9	1.0
(1,2375)	1:17:A:LEU:H	1:22:A:PRO:HA	1	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG21	1	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG22	1	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG23	1	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG21	1	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG22	1	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG23	1	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG21	2	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG22	2	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG23	2	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG21	2	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG22	2	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG23	2	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG21	3	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG22	3	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG23	3	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG21	3	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG22	3	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG23	3	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG21	4	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG22	4	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG23	4	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG21	4	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG22	4	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG23	4	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG21	5	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG22	5	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG23	5	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG21	5	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG22	5	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG23	5	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG21	6	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG22	6	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG23	6	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG21	6	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG22	6	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG23	6	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG21	7	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG22	7	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG23	7	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG21	7	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG22	7	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG23	7	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG21	8	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG22	8	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG23	8	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG21	8	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG22	8	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG23	8	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG21	9	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG22	9	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG23	9	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG21	9	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG22	9	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG23	9	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG21	10	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG22	10	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG23	10	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG21	10	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG22	10	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG23	10	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG21	11	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG22	11	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG23	11	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG21	11	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG22	11	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG23	11	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG21	12	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG22	12	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG23	12	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG21	12	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG22	12	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG23	12	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG21	13	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG22	13	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG23	13	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG21	13	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG22	13	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG23	13	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG21	14	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG22	14	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG23	14	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG21	14	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG22	14	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG23	14	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG21	15	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG22	15	1.0
(1,2370)	1:79:A:LYS:HE2	1:75:A:THR:HG23	15	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG21	15	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG22	15	1.0
(1,2370)	1:79:A:LYS:HE3	1:75:A:THR:HG23	15	1.0
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	1	1.0
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	1	1.0
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	1	1.0
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	1	1.0
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	1	1.0
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	1	1.0
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	2	1.0
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	2	1.0
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	2	1.0
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	2	1.0
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	2	1.0
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	2	1.0
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	5	1.0
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	5	1.0
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	5	1.0
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	5	1.0
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	5	1.0
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	5	1.0
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	7	1.0
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	7	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	7	1.0
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	7	1.0
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	7	1.0
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	7	1.0
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	10	1.0
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	10	1.0
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	10	1.0
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	10	1.0
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	10	1.0
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	10	1.0
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	11	1.0
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	11	1.0
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	11	1.0
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	11	1.0
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	11	1.0
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	11	1.0
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD21	12	1.0
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD22	12	1.0
(1,2368)	1:79:A:LYS:HG2	1:74:A:LEU:HD23	12	1.0
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD21	12	1.0
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD22	12	1.0
(1,2368)	1:79:A:LYS:HG3	1:74:A:LEU:HD23	12	1.0
(1,2360)	1:73:A:ASN:H	1:71:A:LEU:H	4	1.0
(1,2360)	1:73:A:ASN:H	1:71:A:LEU:H	14	1.0
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD11	1	1.0
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD12	1	1.0
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD13	1	1.0
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD11	2	1.0
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD12	2	1.0
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD13	2	1.0
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD11	5	1.0
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD12	5	1.0
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD13	5	1.0
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD11	7	1.0
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD12	7	1.0
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD13	7	1.0
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD11	10	1.0
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD12	10	1.0
(1,2354)	1:71:A:LEU:H	1:78:A:LEU:HD13	10	1.0
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	13	1.0
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	13	1.0
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	13	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	13	1.0
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	13	1.0
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	13	1.0
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD21	7	1.0
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD22	7	1.0
(1,2345)	1:67:A:GLU:HA	1:78:A:LEU:HD23	7	1.0
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	6	1.0
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	6	1.0
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	6	1.0
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	6	1.0
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	6	1.0
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	6	1.0
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	6	1.0
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	6	1.0
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	6	1.0
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	6	1.0
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	6	1.0
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	6	1.0
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	5	1.0
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	5	1.0
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	5	1.0
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	5	1.0
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	6	1.0
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	6	1.0
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	6	1.0
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	6	1.0
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	11	1.0
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	11	1.0
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	11	1.0
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	11	1.0
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	15	1.0
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	15	1.0
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	15	1.0
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	15	1.0
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB2	3	1.0
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB3	3	1.0
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB2	15	1.0
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB3	15	1.0
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD11	8	1.0
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD12	8	1.0
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD13	8	1.0
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD21	8	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD22	8	1.0
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD23	8	1.0
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	1	1.0
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	1	1.0
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	1	1.0
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	1	1.0
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	1	1.0
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	1	1.0
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	1	1.0
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	1	1.0
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	1	1.0
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	1	1.0
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	1	1.0
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	1	1.0
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	15	1.0
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	15	1.0
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	15	1.0
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	15	1.0
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	15	1.0
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	15	1.0
(1,2304)	1:49:A:GLU:HA	1:54:A:LEU:H	12	1.0
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG21	13	1.0
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG22	13	1.0
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG23	13	1.0
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG21	15	1.0
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG22	15	1.0
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG23	15	1.0
(1,2297)	1:49:A:GLU:H	1:44:A:THR:HA	3	1.0
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG21	1	1.0
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG22	1	1.0
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG23	1	1.0
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG21	1	1.0
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG22	1	1.0
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG23	1	1.0
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG2	6	1.0
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG3	6	1.0
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG2	8	1.0
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG3	8	1.0
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG2	9	1.0
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG3	9	1.0
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG2	15	1.0
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG3	15	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD2	1	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD3	1	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD2	3	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD3	3	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD2	4	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD3	4	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD2	5	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD3	5	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD2	6	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD3	6	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD2	7	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD3	7	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD2	8	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD3	8	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD2	9	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD3	9	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD2	10	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD3	10	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD2	11	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD3	11	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD2	13	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD3	13	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD2	14	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD3	14	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD2	15	1.0
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD3	15	1.0
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD21	9	1.0
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD22	9	1.0
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD23	9	1.0
(1,2251)	1:17:A:LEU:H	1:22:A:PRO:HA	1	1.0
(1,2240)	1:103:A:GLU:H	1:102:A:LEU:HA	8	1.0
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB1	12	1.0
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB2	12	1.0
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB3	12	1.0
(1,2212)	1:98:A:ALA:HA	1:97:A:VAL:HB	3	1.0
(1,2169)	1:94:A:ARG:H	1:93:A:LYS:HG2	3	1.0
(1,2110)	1:85:A:LEU:HA	1:86:A:ARG:H	3	1.0
(1,2110)	1:85:A:LEU:HA	1:86:A:ARG:H	5	1.0
(1,2110)	1:85:A:LEU:HA	1:86:A:ARG:H	7	1.0
(1,2110)	1:85:A:LEU:HA	1:86:A:ARG:H	8	1.0
(1,2110)	1:85:A:LEU:HA	1:86:A:ARG:H	10	1.0
(1,2110)	1:85:A:LEU:HA	1:86:A:ARG:H	11	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2110)	1:85:A:LEU:HA	1:86:A:ARG:H	12	1.0
(1,2088)	1:83:A:ASP:HA	1:86:A:ARG:H	5	1.0
(1,2088)	1:83:A:ASP:HA	1:86:A:ARG:H	8	1.0
(1,2088)	1:83:A:ASP:HA	1:86:A:ARG:H	11	1.0
(1,2042)	1:79:A:LYS:H	1:77:A:GLU:H	5	1.0
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG21	6	1.0
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG22	6	1.0
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG23	6	1.0
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB1	5	1.0
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB2	5	1.0
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB3	5	1.0
(1,1990)	1:73:A:ASN:H	1:72:A:THR:HA	5	1.0
(1,1990)	1:73:A:ASN:H	1:72:A:THR:HA	7	1.0
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD11	15	1.0
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD12	15	1.0
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD13	15	1.0
(1,1957)	1:68:A:LYS:HA	1:71:A:LEU:H	4	1.0
(1,1957)	1:68:A:LYS:HA	1:71:A:LEU:H	14	1.0
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG21	7	1.0
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG22	7	1.0
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG23	7	1.0
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG21	7	1.0
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG22	7	1.0
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG23	7	1.0
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD11	4	1.0
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD12	4	1.0
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD13	4	1.0
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD21	4	1.0
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD22	4	1.0
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD23	4	1.0
(1,1889)	1:62:A:SER:H	1:60:A:GLN:HA	8	1.0
(1,1885)	1:61:A:ASP:H	1:62:A:SER:HB3	15	1.0
(1,1874)	1:60:A:GLN:HA	1:61:A:ASP:H	10	1.0
(1,1829)	1:47:A:GLN:HB2	1:48:A:ASN:H	14	1.0
(1,1829)	1:47:A:GLN:HB3	1:48:A:ASN:H	14	1.0
(1,1827)	1:47:A:GLN:HA	1:46:A:VAL:HB	3	1.0
(1,1807)	1:45:A:THR:H	1:44:A:THR:HA	6	1.0
(1,1807)	1:45:A:THR:H	1:44:A:THR:HA	11	1.0
(1,1807)	1:45:A:THR:H	1:44:A:THR:HA	13	1.0
(1,1785)	1:42:A:LEU:H	1:39:A:LEU:HA	2	1.0
(1,1771)	1:38:A:ALA:H	1:36:A:ILE:HA	10	1.0
(1,1771)	1:38:A:ALA:H	1:36:A:ILE:HA	12	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1758)	1:35:A:TRP:H	1:37:A:ARG:H	1	1.0
(1,1757)	1:35:A:TRP:H	1:36:A:ILE:HB	3	1.0
(1,1757)	1:35:A:TRP:H	1:36:A:ILE:HB	6	1.0
(1,1751)	1:33:A:ALA:HA	1:36:A:ILE:HA	2	1.0
(1,1751)	1:33:A:ALA:HA	1:36:A:ILE:HA	6	1.0
(1,1751)	1:33:A:ALA:HA	1:36:A:ILE:HA	7	1.0
(1,1751)	1:33:A:ALA:HA	1:36:A:ILE:HA	9	1.0
(1,1751)	1:33:A:ALA:HA	1:36:A:ILE:HA	10	1.0
(1,1598)	1:6:A:PHE:HD1	1:9:A:LEU:HB3	2	1.0
(1,1598)	1:6:A:PHE:HD2	1:9:A:LEU:HB3	2	1.0
(1,1574)	1:4:A:ILE:HB	1:3:A:ASP:HA	13	1.0
(1,1570)	1:3:A:ASP:HA	1:5:A:GLY:H	4	1.0
(1,1564)	1:3:A:ASP:HB2	1:4:A:ILE:HA	14	1.0
(1,1540)	1:103:A:GLU:H	1:101:A:PRO:HA	5	1.0
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD3	7	1.0
(1,1479)	1:75:A:THR:H	1:76:A:PRO:HD2	7	1.0
(1,1453)	1:67:A:GLU:HG2	1:70:A:SER:H	12	1.0
(1,1453)	1:67:A:GLU:HG3	1:70:A:SER:H	12	1.0
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG2	5	1.0
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG3	5	1.0
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG2	7	1.0
(1,1446)	1:65:A:LYS:H	1:64:A:LYS:HG3	7	1.0
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB1	3	1.0
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB2	3	1.0
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB3	3	1.0
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB1	3	1.0
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB2	3	1.0
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB3	3	1.0
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG21	12	1.0
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG22	12	1.0
(1,1375)	1:38:A:ALA:H	1:36:A:ILE:HG23	12	1.0
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA3	3	1.0
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA2	3	1.0
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA3	5	1.0
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA2	5	1.0
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG11	7	1.0
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG12	7	1.0
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG13	7	1.0
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD11	2	1.0
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD12	2	1.0
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD13	2	1.0
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD11	4	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD12	4	1.0
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD13	4	1.0
(1,1251)	1:9:A:LEU:HD11	1:11:A:LEU:H	4	1.0
(1,1251)	1:9:A:LEU:HD12	1:11:A:LEU:H	4	1.0
(1,1251)	1:9:A:LEU:HD13	1:11:A:LEU:H	4	1.0
(1,1251)	1:9:A:LEU:HD21	1:11:A:LEU:H	4	1.0
(1,1251)	1:9:A:LEU:HD22	1:11:A:LEU:H	4	1.0
(1,1251)	1:9:A:LEU:HD23	1:11:A:LEU:H	4	1.0
(1,2856)	1:73:A:ASN:H	1:71:A:LEU:H	7	0.99
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	8	0.99
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	8	0.99
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	8	0.99
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	8	0.99
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	12	0.99
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	12	0.99
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	12	0.99
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	12	0.99
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	10	0.99
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	10	0.99
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	10	0.99
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	10	0.99
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	10	0.99
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	10	0.99
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	10	0.99
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	10	0.99
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	10	0.99
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	10	0.99
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	10	0.99
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	10	0.99
(1,2820)	1:56:A:LEU:HB3	1:51:A:THR:H	10	0.99
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG21	13	0.99
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG22	13	0.99
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG23	13	0.99
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG21	13	0.99
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG22	13	0.99
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG23	13	0.99
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD21	10	0.99
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD22	10	0.99
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD23	10	0.99
(1,2779)	1:45:A:THR:HA	1:50:A:LEU:H	7	0.99
(1,2779)	1:45:A:THR:HA	1:50:A:LEU:H	13	0.99
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG2	9	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG3	9	0.99
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG2	9	0.99
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG3	9	0.99
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG2	9	0.99
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG3	9	0.99
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD21	13	0.99
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD22	13	0.99
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD23	13	0.99
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	15	0.99
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	15	0.99
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	15	0.99
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	15	0.99
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	15	0.99
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	15	0.99
(1,2732)	1:73:A:ASN:H	1:71:A:LEU:H	7	0.99
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	8	0.99
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	8	0.99
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	8	0.99
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	8	0.99
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	12	0.99
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	12	0.99
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	12	0.99
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	12	0.99
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	10	0.99
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	10	0.99
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	10	0.99
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	10	0.99
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	10	0.99
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	10	0.99
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	10	0.99
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	10	0.99
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	10	0.99
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	10	0.99
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	10	0.99
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	10	0.99
(1,2696)	1:56:A:LEU:HB3	1:51:A:THR:H	10	0.99
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG21	13	0.99
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG22	13	0.99
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG23	13	0.99
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG21	13	0.99
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG22	13	0.99
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG23	13	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD21	10	0.99
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD22	10	0.99
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD23	10	0.99
(1,2655)	1:45:A:THR:HA	1:50:A:LEU:H	7	0.99
(1,2655)	1:45:A:THR:HA	1:50:A:LEU:H	13	0.99
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG2	9	0.99
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG3	9	0.99
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG2	9	0.99
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG3	9	0.99
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG2	9	0.99
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG3	9	0.99
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD21	13	0.99
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD22	13	0.99
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD23	13	0.99
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	15	0.99
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	15	0.99
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	15	0.99
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	15	0.99
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	15	0.99
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	15	0.99
(1,2608)	1:73:A:ASN:H	1:71:A:LEU:H	7	0.99
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	8	0.99
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	8	0.99
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	8	0.99
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	8	0.99
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	12	0.99
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	12	0.99
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	12	0.99
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	12	0.99
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	10	0.99
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	10	0.99
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	10	0.99
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	10	0.99
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	10	0.99
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	10	0.99
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	10	0.99
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	10	0.99
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	10	0.99
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	10	0.99
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	10	0.99
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	10	0.99
(1,2572)	1:56:A:LEU:HB3	1:51:A:THR:H	10	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG21	13	0.99
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG22	13	0.99
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG23	13	0.99
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG21	13	0.99
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG22	13	0.99
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG23	13	0.99
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD21	10	0.99
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD22	10	0.99
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD23	10	0.99
(1,2531)	1:45:A:THR:HA	1:50:A:LEU:H	7	0.99
(1,2531)	1:45:A:THR:HA	1:50:A:LEU:H	13	0.99
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG2	9	0.99
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG3	9	0.99
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG2	9	0.99
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG3	9	0.99
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG2	9	0.99
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG3	9	0.99
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD21	13	0.99
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD22	13	0.99
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD23	13	0.99
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	15	0.99
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	15	0.99
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	15	0.99
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	15	0.99
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	15	0.99
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	15	0.99
(1,2484)	1:73:A:ASN:H	1:71:A:LEU:H	7	0.99
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	8	0.99
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	8	0.99
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	8	0.99
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	8	0.99
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	12	0.99
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	12	0.99
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	12	0.99
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	12	0.99
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	10	0.99
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	10	0.99
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	10	0.99
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	10	0.99
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	10	0.99
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	10	0.99
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	10	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	10	0.99
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	10	0.99
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	10	0.99
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	10	0.99
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	10	0.99
(1,2448)	1:56:A:LEU:HB3	1:51:A:THR:H	10	0.99
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG21	13	0.99
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG22	13	0.99
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG23	13	0.99
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG21	13	0.99
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG22	13	0.99
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG23	13	0.99
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD21	10	0.99
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD22	10	0.99
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD23	10	0.99
(1,2407)	1:45:A:THR:HA	1:50:A:LEU:H	7	0.99
(1,2407)	1:45:A:THR:HA	1:50:A:LEU:H	13	0.99
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG2	9	0.99
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG3	9	0.99
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG2	9	0.99
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG3	9	0.99
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG2	9	0.99
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG3	9	0.99
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD21	13	0.99
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD22	13	0.99
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD23	13	0.99
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	15	0.99
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	15	0.99
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	15	0.99
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	15	0.99
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	15	0.99
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	15	0.99
(1,2360)	1:73:A:ASN:H	1:71:A:LEU:H	7	0.99
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	8	0.99
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	8	0.99
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	8	0.99
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	8	0.99
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	12	0.99
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	12	0.99
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	12	0.99
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	12	0.99
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	10	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	10	0.99
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	10	0.99
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	10	0.99
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	10	0.99
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	10	0.99
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	10	0.99
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	10	0.99
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	10	0.99
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	10	0.99
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	10	0.99
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	10	0.99
(1,2324)	1:56:A:LEU:HB3	1:51:A:THR:H	10	0.99
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG21	13	0.99
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG22	13	0.99
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG23	13	0.99
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG21	13	0.99
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG22	13	0.99
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG23	13	0.99
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD21	10	0.99
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD22	10	0.99
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD23	10	0.99
(1,2283)	1:45:A:THR:HA	1:50:A:LEU:H	7	0.99
(1,2283)	1:45:A:THR:HA	1:50:A:LEU:H	13	0.99
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG2	9	0.99
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG3	9	0.99
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG2	9	0.99
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG3	9	0.99
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG2	9	0.99
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG3	9	0.99
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD21	13	0.99
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD22	13	0.99
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD23	13	0.99
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	15	0.99
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	15	0.99
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	15	0.99
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	15	0.99
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	15	0.99
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	15	0.99
(1,2241)	1:103:A:GLU:HB2	1:102:A:LEU:HG	10	0.99
(1,2241)	1:103:A:GLU:HB3	1:102:A:LEU:HG	10	0.99
(1,2240)	1:103:A:GLU:H	1:102:A:LEU:HA	10	0.99
(1,2237)	1:102:A:LEU:H	1:103:A:GLU:HA	11	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2232)	1:101:A:PRO:HA	1:102:A:LEU:HG	12	0.99
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB1	9	0.99
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB2	9	0.99
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB3	9	0.99
(1,2184)	1:96:A:TYR:H	1:95:A:SER:HA	8	0.99
(1,2102)	1:84:A:GLU:HA	1:85:A:LEU:H	7	0.99
(1,2088)	1:83:A:ASP:HA	1:86:A:ARG:H	12	0.99
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG21	8	0.99
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG22	8	0.99
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG23	8	0.99
(1,1990)	1:73:A:ASN:H	1:72:A:THR:HA	1	0.99
(1,1990)	1:73:A:ASN:H	1:72:A:THR:HA	2	0.99
(1,1990)	1:73:A:ASN:H	1:72:A:THR:HA	10	0.99
(1,1990)	1:73:A:ASN:H	1:72:A:THR:HA	11	0.99
(1,1990)	1:73:A:ASN:H	1:72:A:THR:HA	12	0.99
(1,1990)	1:73:A:ASN:H	1:72:A:THR:HA	15	0.99
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG21	8	0.99
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG22	8	0.99
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG23	8	0.99
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE2	15	0.99
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE3	15	0.99
(1,1936)	1:66:A:VAL:HA	1:69:A:ALA:H	10	0.99
(1,1915)	1:64:A:LYS:H	1:67:A:GLU:H	10	0.99
(1,1897)	1:63:A:LEU:HG	1:60:A:GLN:HA	8	0.99
(1,1889)	1:62:A:SER:H	1:60:A:GLN:HA	1	0.99
(1,1874)	1:60:A:GLN:HA	1:61:A:ASP:H	14	0.99
(1,1873)	1:60:A:GLN:HG2	1:61:A:ASP:H	9	0.99
(1,1873)	1:60:A:GLN:HG3	1:61:A:ASP:H	9	0.99
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB2	15	0.99
(1,1854)	1:52:A:GLN:H	1:53:A:GLU:HB3	15	0.99
(1,1807)	1:45:A:THR:H	1:44:A:THR:HA	3	0.99
(1,1807)	1:45:A:THR:H	1:44:A:THR:HA	4	0.99
(1,1807)	1:45:A:THR:H	1:44:A:THR:HA	10	0.99
(1,1807)	1:45:A:THR:H	1:44:A:THR:HA	12	0.99
(1,1805)	1:45:A:THR:H	1:42:A:LEU:HA	2	0.99
(1,1771)	1:38:A:ALA:H	1:36:A:ILE:HA	9	0.99
(1,1757)	1:35:A:TRP:H	1:36:A:ILE:HB	2	0.99
(1,1757)	1:35:A:TRP:H	1:36:A:ILE:HB	7	0.99
(1,1757)	1:35:A:TRP:H	1:36:A:ILE:HB	9	0.99
(1,1757)	1:35:A:TRP:H	1:36:A:ILE:HB	10	0.99
(1,1751)	1:33:A:ALA:HA	1:36:A:ILE:HA	1	0.99
(1,1751)	1:33:A:ALA:HA	1:36:A:ILE:HA	11	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1656)	1:14:A:ILE:H	1:13:A:PHE:HA	12	0.99
(1,1644)	1:13:A:PHE:HA	1:16:A:GLY:H	1	0.99
(1,1605)	1:8:A:GLU:HB2	1:4:A:ILE:HB	8	0.99
(1,1598)	1:6:A:PHE:HD1	1:9:A:LEU:HB3	1	0.99
(1,1598)	1:6:A:PHE:HD2	1:9:A:LEU:HB3	1	0.99
(1,1598)	1:6:A:PHE:HD1	1:9:A:LEU:HB3	4	0.99
(1,1598)	1:6:A:PHE:HD2	1:9:A:LEU:HB3	4	0.99
(1,1598)	1:6:A:PHE:HD1	1:9:A:LEU:HB3	9	0.99
(1,1598)	1:6:A:PHE:HD2	1:9:A:LEU:HB3	9	0.99
(1,1598)	1:6:A:PHE:HD1	1:9:A:LEU:HB3	10	0.99
(1,1598)	1:6:A:PHE:HD2	1:9:A:LEU:HB3	10	0.99
(1,1598)	1:6:A:PHE:HD1	1:9:A:LEU:HB3	14	0.99
(1,1598)	1:6:A:PHE:HD2	1:9:A:LEU:HB3	14	0.99
(1,1570)	1:3:A:ASP:HA	1:5:A:GLY:H	2	0.99
(1,1570)	1:3:A:ASP:HA	1:5:A:GLY:H	6	0.99
(1,1570)	1:3:A:ASP:HA	1:5:A:GLY:H	10	0.99
(1,1526)	1:95:A:SER:HA	1:94:A:ARG:HG2	12	0.99
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD1	1	0.99
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD2	1	0.99
(1,1470)	1:73:A:ASN:HB2	1:72:A:THR:H	15	0.99
(1,1470)	1:73:A:ASN:HB3	1:72:A:THR:H	15	0.99
(1,1453)	1:67:A:GLU:HG2	1:70:A:SER:H	11	0.99
(1,1453)	1:67:A:GLU:HG3	1:70:A:SER:H	11	0.99
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD11	7	0.99
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD12	7	0.99
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD13	7	0.99
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD21	7	0.99
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD22	7	0.99
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD23	7	0.99
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD11	15	0.99
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD12	15	0.99
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD13	15	0.99
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD21	15	0.99
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD22	15	0.99
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD23	15	0.99
(1,1412)	1:47:A:GLN:H	1:43:A:ALA:HA	15	0.99
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB1	6	0.99
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB2	6	0.99
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB3	6	0.99
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB3	10	0.99
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB3	10	0.99
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB3	10	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB3	10	0.99
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB3	10	0.99
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB3	10	0.99
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB2	10	0.99
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB2	10	0.99
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB2	10	0.99
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB2	10	0.99
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB2	10	0.99
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB2	10	0.99
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG21	11	0.99
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG22	11	0.99
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG23	11	0.99
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA3	1	0.99
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA2	1	0.99
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA3	6	0.99
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA2	6	0.99
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA3	7	0.99
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA2	7	0.99
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA3	9	0.99
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA2	9	0.99
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA3	10	0.99
(1,1372)	1:37:A:ARG:H	1:34:A:GLY:HA2	10	0.99
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD11	1	0.99
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD12	1	0.99
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD13	1	0.99
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB2	5	0.99
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB3	5	0.99
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD11	11	0.99
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD12	11	0.99
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD13	11	0.99
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG21	1	0.99
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG22	1	0.99
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG23	1	0.99
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG21	1	0.99
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG22	1	0.99
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG23	1	0.99
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG21	1	0.99
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG22	1	0.99
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG23	1	0.99
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG21	10	0.99
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG22	10	0.99
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG23	10	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG21	10	0.99
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG22	10	0.99
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG23	10	0.99
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG21	10	0.99
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG22	10	0.99
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG23	10	0.99
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	13	0.98
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	13	0.98
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	13	0.98
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	13	0.98
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD11	12	0.98
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD12	12	0.98
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD13	12	0.98
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD21	12	0.98
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD22	12	0.98
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD23	12	0.98
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	13	0.98
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	13	0.98
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	13	0.98
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	13	0.98
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	13	0.98
(1,2833)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	13	0.98
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	13	0.98
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	13	0.98
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	13	0.98
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	13	0.98
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	13	0.98
(1,2833)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	13	0.98
(1,2793)	1:49:A:GLU:H	1:44:A:THR:HA	5	0.98
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG21	14	0.98
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG22	14	0.98
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG23	14	0.98
(1,2779)	1:45:A:THR:HA	1:50:A:LEU:H	4	0.98
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG2	8	0.98
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG3	8	0.98
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG2	8	0.98
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG3	8	0.98
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG2	8	0.98
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG3	8	0.98
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG2	1	0.98
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG3	1	0.98
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	13	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	13	0.98
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	13	0.98
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	13	0.98
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD11	12	0.98
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD12	12	0.98
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD13	12	0.98
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD21	12	0.98
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD22	12	0.98
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD23	12	0.98
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	13	0.98
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	13	0.98
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	13	0.98
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	13	0.98
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	13	0.98
(1,2709)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	13	0.98
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	13	0.98
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	13	0.98
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	13	0.98
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	13	0.98
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	13	0.98
(1,2709)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	13	0.98
(1,2669)	1:49:A:GLU:H	1:44:A:THR:HA	5	0.98
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG21	14	0.98
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG22	14	0.98
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG23	14	0.98
(1,2655)	1:45:A:THR:HA	1:50:A:LEU:H	4	0.98
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG2	8	0.98
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG3	8	0.98
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG2	8	0.98
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG3	8	0.98
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG2	8	0.98
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG3	8	0.98
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG2	1	0.98
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG3	1	0.98
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	13	0.98
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	13	0.98
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	13	0.98
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	13	0.98
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD11	12	0.98
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD12	12	0.98
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD13	12	0.98
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD21	12	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD22	12	0.98
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD23	12	0.98
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	13	0.98
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	13	0.98
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	13	0.98
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	13	0.98
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	13	0.98
(1,2585)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	13	0.98
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	13	0.98
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	13	0.98
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	13	0.98
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	13	0.98
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	13	0.98
(1,2585)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	13	0.98
(1,2545)	1:49:A:GLU:H	1:44:A:THR:HA	5	0.98
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG21	14	0.98
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG22	14	0.98
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG23	14	0.98
(1,2531)	1:45:A:THR:HA	1:50:A:LEU:H	4	0.98
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG2	8	0.98
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG3	8	0.98
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG2	8	0.98
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG3	8	0.98
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG2	8	0.98
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG3	8	0.98
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG2	1	0.98
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG3	1	0.98
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	13	0.98
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	13	0.98
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	13	0.98
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	13	0.98
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD11	12	0.98
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD12	12	0.98
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD13	12	0.98
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD21	12	0.98
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD22	12	0.98
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD23	12	0.98
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	13	0.98
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	13	0.98
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	13	0.98
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	13	0.98
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	13	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2461)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	13	0.98
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	13	0.98
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	13	0.98
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	13	0.98
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	13	0.98
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	13	0.98
(1,2461)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	13	0.98
(1,2421)	1:49:A:GLU:H	1:44:A:THR:HA	5	0.98
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG21	14	0.98
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG22	14	0.98
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG23	14	0.98
(1,2407)	1:45:A:THR:HA	1:50:A:LEU:H	4	0.98
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG2	8	0.98
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG3	8	0.98
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG2	8	0.98
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG3	8	0.98
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG2	8	0.98
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG3	8	0.98
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG2	1	0.98
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG3	1	0.98
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	13	0.98
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	13	0.98
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	13	0.98
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	13	0.98
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD11	12	0.98
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD12	12	0.98
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD13	12	0.98
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD21	12	0.98
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD22	12	0.98
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD23	12	0.98
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	13	0.98
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	13	0.98
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	13	0.98
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	13	0.98
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	13	0.98
(1,2337)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	13	0.98
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	13	0.98
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	13	0.98
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	13	0.98
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	13	0.98
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	13	0.98
(1,2337)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	13	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2297)	1:49:A:GLU:H	1:44:A:THR:HA	5	0.98
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG21	14	0.98
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG22	14	0.98
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG23	14	0.98
(1,2283)	1:45:A:THR:HA	1:50:A:LEU:H	4	0.98
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG2	8	0.98
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG3	8	0.98
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG2	8	0.98
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG3	8	0.98
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG2	8	0.98
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG3	8	0.98
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG2	1	0.98
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG3	1	0.98
(1,2235)	1:102:A:LEU:H	1:100:A:ASP:HA	4	0.98
(1,2232)	1:101:A:PRO:HA	1:102:A:LEU:HG	1	0.98
(1,2232)	1:101:A:PRO:HA	1:102:A:LEU:HG	13	0.98
(1,2232)	1:101:A:PRO:HA	1:102:A:LEU:HG	15	0.98
(1,2169)	1:94:A:ARG:H	1:93:A:LYS:HG2	8	0.98
(1,2110)	1:85:A:LEU:HA	1:86:A:ARG:H	14	0.98
(1,1986)	1:73:A:ASN:H	1:72:A:THR:HB	6	0.98
(1,1986)	1:73:A:ASN:H	1:72:A:THR:HB	8	0.98
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD11	8	0.98
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD12	8	0.98
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD13	8	0.98
(1,1977)	1:71:A:LEU:HB3	1:72:A:THR:H	3	0.98
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG21	15	0.98
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG22	15	0.98
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG23	15	0.98
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD11	2	0.98
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD12	2	0.98
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD13	2	0.98
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD21	2	0.98
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD22	2	0.98
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD23	2	0.98
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD11	12	0.98
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD12	12	0.98
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD13	12	0.98
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD21	12	0.98
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD22	12	0.98
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD23	12	0.98
(1,1915)	1:64:A:LYS:H	1:67:A:GLU:H	6	0.98
(1,1897)	1:63:A:LEU:HG	1:60:A:GLN:HA	1	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD1	6	0.98
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD2	6	0.98
(1,1882)	1:61:A:ASP:H	1:60:A:GLN:HB2	6	0.98
(1,1873)	1:60:A:GLN:HG2	1:61:A:ASP:H	1	0.98
(1,1873)	1:60:A:GLN:HG3	1:61:A:ASP:H	1	0.98
(1,1815)	1:45:A:THR:HA	1:48:A:ASN:H	5	0.98
(1,1805)	1:45:A:THR:H	1:42:A:LEU:HA	11	0.98
(1,1771)	1:38:A:ALA:H	1:36:A:ILE:HA	3	0.98
(1,1759)	1:35:A:TRP:HA	1:38:A:ALA:H	2	0.98
(1,1757)	1:35:A:TRP:H	1:36:A:ILE:HB	1	0.98
(1,1757)	1:35:A:TRP:H	1:36:A:ILE:HB	5	0.98
(1,1757)	1:35:A:TRP:H	1:36:A:ILE:HB	8	0.98
(1,1757)	1:35:A:TRP:H	1:36:A:ILE:HB	11	0.98
(1,1757)	1:35:A:TRP:H	1:36:A:ILE:HB	12	0.98
(1,1757)	1:35:A:TRP:H	1:36:A:ILE:HB	13	0.98
(1,1757)	1:35:A:TRP:H	1:36:A:ILE:HB	15	0.98
(1,1696)	1:21:A:GLY:HA3	1:20:A:LEU:HB3	6	0.98
(1,1696)	1:21:A:GLY:HA3	1:20:A:LEU:HB3	7	0.98
(1,1696)	1:21:A:GLY:HA3	1:20:A:LEU:HB3	8	0.98
(1,1696)	1:21:A:GLY:HA3	1:20:A:LEU:HB3	9	0.98
(1,1696)	1:21:A:GLY:HA3	1:20:A:LEU:HB3	11	0.98
(1,1696)	1:21:A:GLY:HA3	1:20:A:LEU:HB3	14	0.98
(1,1546)	1:2:A:PHE:HD1	1:1:A:MET:HA	15	0.98
(1,1546)	1:2:A:PHE:HD2	1:1:A:MET:HA	15	0.98
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD11	14	0.98
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD12	14	0.98
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD13	14	0.98
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD11	14	0.98
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD12	14	0.98
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD13	14	0.98
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD11	14	0.98
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD12	14	0.98
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD13	14	0.98
(1,1472)	1:73:A:ASN:H	1:74:A:LEU:HG	8	0.98
(1,1450)	1:66:A:VAL:HA	1:70:A:SER:H	15	0.98
(1,1414)	1:47:A:GLN:H	1:44:A:THR:HB	3	0.98
(1,1414)	1:47:A:GLN:H	1:44:A:THR:HB	6	0.98
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG21	9	0.98
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG22	9	0.98
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG23	9	0.98
(1,1323)	1:26:A:PRO:HB2	1:30:A:LYS:HG2	13	0.98
(1,1323)	1:26:A:PRO:HB3	1:30:A:LYS:HG2	13	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1251)	1:9:A:LEU:HD11	1:11:A:LEU:H	9	0.98
(1,1251)	1:9:A:LEU:HD12	1:11:A:LEU:H	9	0.98
(1,1251)	1:9:A:LEU:HD13	1:11:A:LEU:H	9	0.98
(1,1251)	1:9:A:LEU:HD21	1:11:A:LEU:H	9	0.98
(1,1251)	1:9:A:LEU:HD22	1:11:A:LEU:H	9	0.98
(1,1251)	1:9:A:LEU:HD23	1:11:A:LEU:H	9	0.98
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG21	2	0.98
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG22	2	0.98
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG23	2	0.98
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG21	2	0.98
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG22	2	0.98
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG23	2	0.98
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG21	2	0.98
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG22	2	0.98
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG23	2	0.98
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG21	7	0.98
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG22	7	0.98
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG23	7	0.98
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG21	7	0.98
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG22	7	0.98
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG23	7	0.98
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG21	7	0.98
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG22	7	0.98
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG23	7	0.98
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG21	11	0.98
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG22	11	0.98
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG23	11	0.98
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG21	11	0.98
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG22	11	0.98
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG23	11	0.98
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG21	11	0.98
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG22	11	0.98
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG23	11	0.98
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG21	12	0.98
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG22	12	0.98
(1,968)	1:74:A:LEU:HD21	1:75:A:THR:HG23	12	0.98
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG21	12	0.98
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG22	12	0.98
(1,968)	1:74:A:LEU:HD22	1:75:A:THR:HG23	12	0.98
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG21	12	0.98
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG22	12	0.98
(1,968)	1:74:A:LEU:HD23	1:75:A:THR:HG23	12	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG21	11	0.97
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG22	11	0.97
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG23	11	0.97
(1,2856)	1:73:A:ASN:H	1:71:A:LEU:H	5	0.97
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD21	6	0.97
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD22	6	0.97
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD23	6	0.97
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD11	6	0.97
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD12	6	0.97
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD13	6	0.97
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD11	4	0.97
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD12	4	0.97
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD13	4	0.97
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD21	4	0.97
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD22	4	0.97
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD23	4	0.97
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG21	15	0.97
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG22	15	0.97
(1,2792)	1:48:A:ASN:HD21	1:44:A:THR:HG23	15	0.97
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG2	2	0.97
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG3	2	0.97
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG2	2	0.97
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG3	2	0.97
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG2	2	0.97
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG3	2	0.97
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG2	12	0.97
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG3	12	0.97
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD2	12	0.97
(1,2773)	1:27:A:VAL:H	1:24:A:ARG:HD3	12	0.97
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD21	12	0.97
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD22	12	0.97
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD23	12	0.97
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD21	1	0.97
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD22	1	0.97
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD23	1	0.97
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD21	3	0.97
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD22	3	0.97
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD23	3	0.97
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD21	7	0.97
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD22	7	0.97
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD23	7	0.97
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD21	8	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD22	8	0.97
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD23	8	0.97
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD21	15	0.97
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD22	15	0.97
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD23	15	0.97
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG21	11	0.97
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG22	11	0.97
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG23	11	0.97
(1,2732)	1:73:A:ASN:H	1:71:A:LEU:H	5	0.97
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD21	6	0.97
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD22	6	0.97
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD23	6	0.97
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD11	6	0.97
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD12	6	0.97
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD13	6	0.97
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD11	4	0.97
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD12	4	0.97
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD13	4	0.97
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD21	4	0.97
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD22	4	0.97
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD23	4	0.97
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG21	15	0.97
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG22	15	0.97
(1,2668)	1:48:A:ASN:HD21	1:44:A:THR:HG23	15	0.97
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG2	2	0.97
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG3	2	0.97
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG2	2	0.97
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG3	2	0.97
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG2	2	0.97
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG3	2	0.97
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG2	12	0.97
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG3	12	0.97
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD2	12	0.97
(1,2649)	1:27:A:VAL:H	1:24:A:ARG:HD3	12	0.97
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD21	12	0.97
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD22	12	0.97
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD23	12	0.97
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD21	1	0.97
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD22	1	0.97
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD23	1	0.97
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD21	3	0.97
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD22	3	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD23	3	0.97
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD21	7	0.97
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD22	7	0.97
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD23	7	0.97
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD21	8	0.97
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD22	8	0.97
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD23	8	0.97
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD21	15	0.97
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD22	15	0.97
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD23	15	0.97
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG21	11	0.97
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG22	11	0.97
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG23	11	0.97
(1,2608)	1:73:A:ASN:H	1:71:A:LEU:H	5	0.97
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD21	6	0.97
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD22	6	0.97
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD23	6	0.97
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD11	6	0.97
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD12	6	0.97
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD13	6	0.97
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD11	4	0.97
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD12	4	0.97
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD13	4	0.97
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD21	4	0.97
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD22	4	0.97
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD23	4	0.97
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG21	15	0.97
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG22	15	0.97
(1,2544)	1:48:A:ASN:HD21	1:44:A:THR:HG23	15	0.97
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG2	2	0.97
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG3	2	0.97
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG2	2	0.97
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG3	2	0.97
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG2	2	0.97
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG3	2	0.97
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG2	12	0.97
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG3	12	0.97
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD2	12	0.97
(1,2525)	1:27:A:VAL:H	1:24:A:ARG:HD3	12	0.97
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD21	12	0.97
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD22	12	0.97
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD23	12	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD21	1	0.97
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD22	1	0.97
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD23	1	0.97
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD21	3	0.97
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD22	3	0.97
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD23	3	0.97
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD21	7	0.97
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD22	7	0.97
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD23	7	0.97
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD21	8	0.97
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD22	8	0.97
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD23	8	0.97
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD21	15	0.97
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD22	15	0.97
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD23	15	0.97
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG21	11	0.97
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG22	11	0.97
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG23	11	0.97
(1,2484)	1:73:A:ASN:H	1:71:A:LEU:H	5	0.97
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD21	6	0.97
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD22	6	0.97
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD23	6	0.97
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD11	6	0.97
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD12	6	0.97
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD13	6	0.97
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD11	4	0.97
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD12	4	0.97
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD13	4	0.97
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD21	4	0.97
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD22	4	0.97
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD23	4	0.97
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG21	15	0.97
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG22	15	0.97
(1,2420)	1:48:A:ASN:HD21	1:44:A:THR:HG23	15	0.97
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG2	2	0.97
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG3	2	0.97
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG2	2	0.97
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG3	2	0.97
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG2	2	0.97
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG3	2	0.97
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG2	12	0.97
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG3	12	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD2	12	0.97
(1,2401)	1:27:A:VAL:H	1:24:A:ARG:HD3	12	0.97
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD21	12	0.97
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD22	12	0.97
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD23	12	0.97
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD21	1	0.97
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD22	1	0.97
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD23	1	0.97
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD21	3	0.97
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD22	3	0.97
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD23	3	0.97
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD21	7	0.97
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD22	7	0.97
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD23	7	0.97
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD21	8	0.97
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD22	8	0.97
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD23	8	0.97
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD21	15	0.97
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD22	15	0.97
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD23	15	0.97
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG21	11	0.97
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG22	11	0.97
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG23	11	0.97
(1,2360)	1:73:A:ASN:H	1:71:A:LEU:H	5	0.97
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD21	6	0.97
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD22	6	0.97
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD23	6	0.97
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD11	6	0.97
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD12	6	0.97
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD13	6	0.97
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD11	4	0.97
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD12	4	0.97
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD13	4	0.97
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD21	4	0.97
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD22	4	0.97
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD23	4	0.97
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG21	15	0.97
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG22	15	0.97
(1,2296)	1:48:A:ASN:HD21	1:44:A:THR:HG23	15	0.97
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG2	2	0.97
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG3	2	0.97
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG2	2	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG3	2	0.97
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG2	2	0.97
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG3	2	0.97
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG2	12	0.97
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG3	12	0.97
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD2	12	0.97
(1,2277)	1:27:A:VAL:H	1:24:A:ARG:HD3	12	0.97
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD21	12	0.97
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD22	12	0.97
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD23	12	0.97
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD21	1	0.97
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD22	1	0.97
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD23	1	0.97
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD21	3	0.97
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD22	3	0.97
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD23	3	0.97
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD21	7	0.97
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD22	7	0.97
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD23	7	0.97
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD21	8	0.97
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD22	8	0.97
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD23	8	0.97
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD21	15	0.97
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD22	15	0.97
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD23	15	0.97
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB2	11	0.97
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB3	11	0.97
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE1	14	0.97
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE2	14	0.97
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB2	1	0.97
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB3	1	0.97
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB2	14	0.97
(1,2171)	1:94:A:ARG:H	1:93:A:LYS:HB3	14	0.97
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG21	6	0.97
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG22	6	0.97
(1,1965)	1:70:A:SER:H	1:72:A:THR:HG23	6	0.97
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG21	1	0.97
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG22	1	0.97
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG23	1	0.97
(1,1908)	1:64:A:LYS:H	1:61:A:ASP:H	10	0.97
(1,1901)	1:63:A:LEU:H	1:62:A:SER:HB2	13	0.97
(1,1885)	1:61:A:ASP:H	1:62:A:SER:HB3	9	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1829)	1:47:A:GLN:HB2	1:48:A:ASN:H	13	0.97
(1,1829)	1:47:A:GLN:HB3	1:48:A:ASN:H	13	0.97
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG21	12	0.97
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG22	12	0.97
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG23	12	0.97
(1,1759)	1:35:A:TRP:HA	1:38:A:ALA:H	3	0.97
(1,1759)	1:35:A:TRP:HA	1:38:A:ALA:H	4	0.97
(1,1759)	1:35:A:TRP:HA	1:38:A:ALA:H	11	0.97
(1,1757)	1:35:A:TRP:H	1:36:A:ILE:HB	4	0.97
(1,1757)	1:35:A:TRP:H	1:36:A:ILE:HB	14	0.97
(1,1704)	1:22:A:PRO:HG2	1:23:A:GLN:H	2	0.97
(1,1704)	1:22:A:PRO:HG3	1:23:A:GLN:H	2	0.97
(1,1696)	1:21:A:GLY:HA3	1:20:A:LEU:HB3	1	0.97
(1,1696)	1:21:A:GLY:HA3	1:20:A:LEU:HB3	3	0.97
(1,1696)	1:21:A:GLY:HA3	1:20:A:LEU:HB3	4	0.97
(1,1696)	1:21:A:GLY:HA3	1:20:A:LEU:HB3	5	0.97
(1,1696)	1:21:A:GLY:HA3	1:20:A:LEU:HB3	10	0.97
(1,1696)	1:21:A:GLY:HA3	1:20:A:LEU:HB3	15	0.97
(1,1651)	1:13:A:PHE:HE1	1:17:A:LEU:HG	8	0.97
(1,1651)	1:13:A:PHE:HE2	1:17:A:LEU:HG	8	0.97
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD11	9	0.97
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD12	9	0.97
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD13	9	0.97
(1,1644)	1:13:A:PHE:HA	1:16:A:GLY:H	11	0.97
(1,1574)	1:4:A:ILE:HB	1:3:A:ASP:HA	7	0.97
(1,1574)	1:4:A:ILE:HB	1:3:A:ASP:HA	8	0.97
(1,1561)	1:2:A:PHE:H	1:4:A:ILE:H	11	0.97
(1,1556)	1:2:A:PHE:H	1:4:A:ILE:HG12	15	0.97
(1,1555)	1:2:A:PHE:HB2	1:4:A:ILE:HD11	13	0.97
(1,1555)	1:2:A:PHE:HB2	1:4:A:ILE:HD12	13	0.97
(1,1555)	1:2:A:PHE:HB2	1:4:A:ILE:HD13	13	0.97
(1,1555)	1:2:A:PHE:HB3	1:4:A:ILE:HD11	13	0.97
(1,1555)	1:2:A:PHE:HB3	1:4:A:ILE:HD12	13	0.97
(1,1555)	1:2:A:PHE:HB3	1:4:A:ILE:HD13	13	0.97
(1,1551)	1:2:A:PHE:HD1	1:3:A:ASP:H	11	0.97
(1,1551)	1:2:A:PHE:HD2	1:3:A:ASP:H	11	0.97
(1,1539)	1:102:A:LEU:HB2	1:101:A:PRO:HA	7	0.97
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG2	1	0.97
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG3	1	0.97
(1,1323)	1:26:A:PRO:HB2	1:30:A:LYS:HG2	6	0.97
(1,1323)	1:26:A:PRO:HB3	1:30:A:LYS:HG2	6	0.97
(1,1288)	1:16:A:GLY:H	1:17:A:LEU:HD21	13	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1288)	1:16:A:GLY:H	1:17:A:LEU:HD22	13	0.97
(1,1288)	1:16:A:GLY:H	1:17:A:LEU:HD23	13	0.97
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE1	8	0.97
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE2	8	0.97
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE1	8	0.97
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE2	8	0.97
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE1	8	0.97
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE2	8	0.97
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG21	1	0.96
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG22	1	0.96
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG23	1	0.96
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG21	2	0.96
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG22	2	0.96
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG23	2	0.96
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG21	10	0.96
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG22	10	0.96
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG23	10	0.96
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG21	12	0.96
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG22	12	0.96
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG23	12	0.96
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD21	8	0.96
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD22	8	0.96
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD23	8	0.96
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD11	8	0.96
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD12	8	0.96
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD13	8	0.96
(1,2845)	1:71:A:LEU:H	1:68:A:LYS:HG2	4	0.96
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	15	0.96
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	15	0.96
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	15	0.96
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	15	0.96
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	15	0.96
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	15	0.96
(1,2818)	1:55:A:LYS:HG2	1:54:A:LEU:H	8	0.96
(1,2818)	1:55:A:LYS:HG3	1:54:A:LEU:H	8	0.96
(1,2793)	1:49:A:GLU:H	1:44:A:THR:HA	4	0.96
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD21	10	0.96
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD22	10	0.96
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD23	10	0.96
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD21	15	0.96
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD22	15	0.96
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD23	15	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2779)	1:45:A:THR:HA	1:50:A:LEU:H	6	0.96
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD21	1	0.96
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD22	1	0.96
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD23	1	0.96
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD21	2	0.96
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD22	2	0.96
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD23	2	0.96
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	6	0.96
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	6	0.96
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	6	0.96
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	6	0.96
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	14	0.96
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	14	0.96
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	14	0.96
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	14	0.96
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD21	12	0.96
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD22	12	0.96
(1,2751)	1:18:A:VAL:H	1:25:A:LEU:HD23	12	0.96
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD21	4	0.96
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD22	4	0.96
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD23	4	0.96
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD21	10	0.96
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD22	10	0.96
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD23	10	0.96
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	3	0.96
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	3	0.96
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	3	0.96
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	3	0.96
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	3	0.96
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	3	0.96
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG21	1	0.96
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG22	1	0.96
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG23	1	0.96
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG21	2	0.96
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG22	2	0.96
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG23	2	0.96
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG21	10	0.96
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG22	10	0.96
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG23	10	0.96
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG21	12	0.96
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG22	12	0.96
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG23	12	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD21	8	0.96
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD22	8	0.96
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD23	8	0.96
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD11	8	0.96
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD12	8	0.96
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD13	8	0.96
(1,2721)	1:71:A:LEU:H	1:68:A:LYS:HG2	4	0.96
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	15	0.96
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	15	0.96
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	15	0.96
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	15	0.96
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	15	0.96
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	15	0.96
(1,2694)	1:55:A:LYS:HG2	1:54:A:LEU:H	8	0.96
(1,2694)	1:55:A:LYS:HG3	1:54:A:LEU:H	8	0.96
(1,2669)	1:49:A:GLU:H	1:44:A:THR:HA	4	0.96
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD21	10	0.96
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD22	10	0.96
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD23	10	0.96
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD21	15	0.96
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD22	15	0.96
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD23	15	0.96
(1,2655)	1:45:A:THR:HA	1:50:A:LEU:H	6	0.96
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD21	1	0.96
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD22	1	0.96
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD23	1	0.96
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD21	2	0.96
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD22	2	0.96
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD23	2	0.96
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	6	0.96
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	6	0.96
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	6	0.96
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	6	0.96
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	14	0.96
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	14	0.96
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	14	0.96
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	14	0.96
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD21	12	0.96
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD22	12	0.96
(1,2627)	1:18:A:VAL:H	1:25:A:LEU:HD23	12	0.96
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD21	4	0.96
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD22	4	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD23	4	0.96
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD21	10	0.96
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD22	10	0.96
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD23	10	0.96
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	3	0.96
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	3	0.96
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	3	0.96
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	3	0.96
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	3	0.96
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	3	0.96
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG21	1	0.96
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG22	1	0.96
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG23	1	0.96
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG21	2	0.96
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG22	2	0.96
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG23	2	0.96
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG21	10	0.96
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG22	10	0.96
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG23	10	0.96
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG21	12	0.96
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG22	12	0.96
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG23	12	0.96
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD21	8	0.96
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD22	8	0.96
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD23	8	0.96
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD11	8	0.96
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD12	8	0.96
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD13	8	0.96
(1,2597)	1:71:A:LEU:H	1:68:A:LYS:HG2	4	0.96
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	15	0.96
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	15	0.96
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	15	0.96
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	15	0.96
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	15	0.96
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	15	0.96
(1,2570)	1:55:A:LYS:HG2	1:54:A:LEU:H	8	0.96
(1,2570)	1:55:A:LYS:HG3	1:54:A:LEU:H	8	0.96
(1,2545)	1:49:A:GLU:H	1:44:A:THR:HA	4	0.96
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD21	10	0.96
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD22	10	0.96
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD23	10	0.96
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD21	15	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD22	15	0.96
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD23	15	0.96
(1,2531)	1:45:A:THR:HA	1:50:A:LEU:H	6	0.96
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD21	1	0.96
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD22	1	0.96
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD23	1	0.96
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD21	2	0.96
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD22	2	0.96
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD23	2	0.96
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	6	0.96
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	6	0.96
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	6	0.96
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	6	0.96
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	14	0.96
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	14	0.96
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	14	0.96
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	14	0.96
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD21	12	0.96
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD22	12	0.96
(1,2503)	1:18:A:VAL:H	1:25:A:LEU:HD23	12	0.96
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD21	4	0.96
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD22	4	0.96
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD23	4	0.96
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD21	10	0.96
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD22	10	0.96
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD23	10	0.96
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	3	0.96
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	3	0.96
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	3	0.96
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	3	0.96
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	3	0.96
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	3	0.96
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG21	1	0.96
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG22	1	0.96
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG23	1	0.96
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG21	2	0.96
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG22	2	0.96
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG23	2	0.96
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG21	10	0.96
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG22	10	0.96
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG23	10	0.96
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG21	12	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG22	12	0.96
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG23	12	0.96
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD21	8	0.96
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD22	8	0.96
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD23	8	0.96
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD11	8	0.96
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD12	8	0.96
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD13	8	0.96
(1,2473)	1:71:A:LEU:H	1:68:A:LYS:HG2	4	0.96
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	15	0.96
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	15	0.96
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	15	0.96
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	15	0.96
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	15	0.96
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	15	0.96
(1,2446)	1:55:A:LYS:HG2	1:54:A:LEU:H	8	0.96
(1,2446)	1:55:A:LYS:HG3	1:54:A:LEU:H	8	0.96
(1,2421)	1:49:A:GLU:H	1:44:A:THR:HA	4	0.96
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD21	10	0.96
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD22	10	0.96
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD23	10	0.96
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD21	15	0.96
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD22	15	0.96
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD23	15	0.96
(1,2407)	1:45:A:THR:HA	1:50:A:LEU:H	6	0.96
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD21	1	0.96
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD22	1	0.96
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD23	1	0.96
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD21	2	0.96
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD22	2	0.96
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD23	2	0.96
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	6	0.96
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	6	0.96
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	6	0.96
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	6	0.96
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	14	0.96
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	14	0.96
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	14	0.96
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	14	0.96
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD21	12	0.96
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD22	12	0.96
(1,2379)	1:18:A:VAL:H	1:25:A:LEU:HD23	12	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD21	4	0.96
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD22	4	0.96
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD23	4	0.96
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD21	10	0.96
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD22	10	0.96
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD23	10	0.96
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	3	0.96
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	3	0.96
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	3	0.96
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	3	0.96
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	3	0.96
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	3	0.96
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG21	1	0.96
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG22	1	0.96
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG23	1	0.96
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG21	2	0.96
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG22	2	0.96
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG23	2	0.96
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG21	10	0.96
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG22	10	0.96
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG23	10	0.96
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG21	12	0.96
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG22	12	0.96
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG23	12	0.96
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD21	8	0.96
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD22	8	0.96
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD23	8	0.96
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD11	8	0.96
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD12	8	0.96
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD13	8	0.96
(1,2349)	1:71:A:LEU:H	1:68:A:LYS:HG2	4	0.96
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	15	0.96
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	15	0.96
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	15	0.96
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	15	0.96
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	15	0.96
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	15	0.96
(1,2322)	1:55:A:LYS:HG2	1:54:A:LEU:H	8	0.96
(1,2322)	1:55:A:LYS:HG3	1:54:A:LEU:H	8	0.96
(1,2297)	1:49:A:GLU:H	1:44:A:THR:HA	4	0.96
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD21	10	0.96
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD22	10	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD23	10	0.96
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD21	15	0.96
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD22	15	0.96
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD23	15	0.96
(1,2283)	1:45:A:THR:HA	1:50:A:LEU:H	6	0.96
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD21	1	0.96
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD22	1	0.96
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD23	1	0.96
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD21	2	0.96
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD22	2	0.96
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD23	2	0.96
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	6	0.96
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	6	0.96
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	6	0.96
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	6	0.96
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	14	0.96
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	14	0.96
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	14	0.96
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	14	0.96
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD21	12	0.96
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD22	12	0.96
(1,2255)	1:18:A:VAL:H	1:25:A:LEU:HD23	12	0.96
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD21	4	0.96
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD22	4	0.96
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD23	4	0.96
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD21	10	0.96
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD22	10	0.96
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD23	10	0.96
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	3	0.96
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	3	0.96
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	3	0.96
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	3	0.96
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	3	0.96
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	3	0.96
(1,2237)	1:102:A:LEU:H	1:103:A:GLU:HA	14	0.96
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB1	11	0.96
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB2	11	0.96
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB3	11	0.96
(1,2184)	1:96:A:TYR:H	1:95:A:SER:HA	3	0.96
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB1	2	0.96
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB2	2	0.96
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB3	2	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD11	6	0.96
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD12	6	0.96
(1,1985)	1:73:A:ASN:H	1:71:A:LEU:HD13	6	0.96
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD11	2	0.96
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD12	2	0.96
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD13	2	0.96
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD21	2	0.96
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD22	2	0.96
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD23	2	0.96
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD21	2	0.96
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD22	2	0.96
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD23	2	0.96
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD11	12	0.96
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD12	12	0.96
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD13	12	0.96
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD21	12	0.96
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD22	12	0.96
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD23	12	0.96
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD21	12	0.96
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD22	12	0.96
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD23	12	0.96
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD11	1	0.96
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD12	1	0.96
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD13	1	0.96
(1,1842)	1:51:A:THR:HA	1:52:A:GLN:H	7	0.96
(1,1834)	1:48:A:ASN:HB3	1:49:A:GLU:H	14	0.96
(1,1834)	1:48:A:ASN:HB2	1:49:A:GLU:H	14	0.96
(1,1833)	1:48:A:ASN:HA	1:49:A:GLU:HB2	15	0.96
(1,1827)	1:47:A:GLN:HA	1:46:A:VAL:HB	11	0.96
(1,1785)	1:42:A:LEU:H	1:39:A:LEU:HA	4	0.96
(1,1771)	1:38:A:ALA:H	1:36:A:ILE:HA	6	0.96
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA2	14	0.96
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA3	14	0.96
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA2	14	0.96
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA3	14	0.96
(1,1759)	1:35:A:TRP:HA	1:38:A:ALA:H	1	0.96
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB1	12	0.96
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB2	12	0.96
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB3	12	0.96
(1,1751)	1:33:A:ALA:HA	1:36:A:ILE:HA	4	0.96
(1,1751)	1:33:A:ALA:HA	1:36:A:ILE:HA	5	0.96
(1,1751)	1:33:A:ALA:HA	1:36:A:ILE:HA	8	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1751)	1:33:A:ALA:HA	1:36:A:ILE:HA	12	0.96
(1,1751)	1:33:A:ALA:HA	1:36:A:ILE:HA	13	0.96
(1,1751)	1:33:A:ALA:HA	1:36:A:ILE:HA	15	0.96
(1,1670)	1:15:A:ILE:HA	1:18:A:VAL:HB	9	0.96
(1,1656)	1:14:A:ILE:H	1:13:A:PHE:HA	1	0.96
(1,1574)	1:4:A:ILE:HB	1:3:A:ASP:HA	3	0.96
(1,1574)	1:4:A:ILE:HB	1:3:A:ASP:HA	5	0.96
(1,1574)	1:4:A:ILE:HB	1:3:A:ASP:HA	10	0.96
(1,1528)	1:96:A:TYR:H	1:94:A:ARG:HA	11	0.96
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD1	5	0.96
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD2	5	0.96
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB1	6	0.96
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB2	6	0.96
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB3	6	0.96
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB1	8	0.96
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB2	8	0.96
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB3	8	0.96
(1,1453)	1:67:A:GLU:HG2	1:70:A:SER:H	1	0.96
(1,1453)	1:67:A:GLU:HG3	1:70:A:SER:H	1	0.96
(1,1432)	1:56:A:LEU:HB2	1:60:A:GLN:HB2	14	0.96
(1,1414)	1:47:A:GLN:H	1:44:A:THR:HB	4	0.96
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB3	5	0.96
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB3	5	0.96
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB3	5	0.96
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB3	5	0.96
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB3	5	0.96
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB3	5	0.96
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB2	5	0.96
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB2	5	0.96
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB2	5	0.96
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB2	5	0.96
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB2	5	0.96
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB2	5	0.96
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD11	5	0.96
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD12	5	0.96
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD13	5	0.96
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD11	6	0.96
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD12	6	0.96
(1,1285)	1:16:A:GLY:H	1:15:A:ILE:HD13	6	0.96
(1,1251)	1:9:A:LEU:HD11	1:11:A:LEU:H	10	0.96
(1,1251)	1:9:A:LEU:HD12	1:11:A:LEU:H	10	0.96
(1,1251)	1:9:A:LEU:HD13	1:11:A:LEU:H	10	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1251)	1:9:A:LEU:HD21	1:11:A:LEU:H	10	0.96
(1,1251)	1:9:A:LEU:HD22	1:11:A:LEU:H	10	0.96
(1,1251)	1:9:A:LEU:HD23	1:11:A:LEU:H	10	0.96
(1,1249)	1:8:A:GLU:HB2	1:5:A:GLY:H	7	0.96
(1,897)	1:63:A:LEU:H	1:62:A:SER:HB3	14	0.96
(1,2856)	1:73:A:ASN:H	1:71:A:LEU:H	1	0.95
(1,2856)	1:73:A:ASN:H	1:71:A:LEU:H	2	0.95
(1,2856)	1:73:A:ASN:H	1:71:A:LEU:H	10	0.95
(1,2856)	1:73:A:ASN:H	1:71:A:LEU:H	11	0.95
(1,2856)	1:73:A:ASN:H	1:71:A:LEU:H	12	0.95
(1,2845)	1:71:A:LEU:H	1:68:A:LYS:HG2	14	0.95
(1,2818)	1:55:A:LYS:HG2	1:54:A:LEU:H	4	0.95
(1,2818)	1:55:A:LYS:HG3	1:54:A:LEU:H	4	0.95
(1,2798)	1:49:A:GLU:HA	1:53:A:GLU:H	12	0.95
(1,2793)	1:49:A:GLU:H	1:44:A:THR:HA	12	0.95
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG2	14	0.95
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG3	14	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD21	3	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD22	3	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD23	3	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD21	4	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD22	4	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD23	4	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD21	5	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD22	5	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD23	5	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD21	6	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD22	6	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD23	6	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD21	7	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD22	7	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD23	7	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD21	8	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD22	8	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD23	8	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD21	9	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD22	9	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD23	9	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD21	10	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD22	10	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD23	10	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD21	14	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD22	14	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD23	14	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD21	15	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD22	15	0.95
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD23	15	0.95
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD21	5	0.95
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD22	5	0.95
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD23	5	0.95
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD21	14	0.95
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD22	14	0.95
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD23	14	0.95
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	7	0.95
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	7	0.95
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	7	0.95
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	7	0.95
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	7	0.95
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	7	0.95
(1,2732)	1:73:A:ASN:H	1:71:A:LEU:H	1	0.95
(1,2732)	1:73:A:ASN:H	1:71:A:LEU:H	2	0.95
(1,2732)	1:73:A:ASN:H	1:71:A:LEU:H	10	0.95
(1,2732)	1:73:A:ASN:H	1:71:A:LEU:H	11	0.95
(1,2732)	1:73:A:ASN:H	1:71:A:LEU:H	12	0.95
(1,2721)	1:71:A:LEU:H	1:68:A:LYS:HG2	14	0.95
(1,2694)	1:55:A:LYS:HG2	1:54:A:LEU:H	4	0.95
(1,2694)	1:55:A:LYS:HG3	1:54:A:LEU:H	4	0.95
(1,2674)	1:49:A:GLU:HA	1:53:A:GLU:H	12	0.95
(1,2669)	1:49:A:GLU:H	1:44:A:THR:HA	12	0.95
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG2	14	0.95
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG3	14	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD21	3	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD22	3	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD23	3	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD21	4	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD22	4	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD23	4	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD21	5	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD22	5	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD23	5	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD21	6	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD22	6	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD23	6	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD21	7	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD22	7	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD23	7	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD21	8	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD22	8	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD23	8	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD21	9	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD22	9	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD23	9	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD21	10	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD22	10	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD23	10	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD21	14	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD22	14	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD23	14	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD21	15	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD22	15	0.95
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD23	15	0.95
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD21	5	0.95
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD22	5	0.95
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD23	5	0.95
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD21	14	0.95
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD22	14	0.95
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD23	14	0.95
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	7	0.95
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	7	0.95
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	7	0.95
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	7	0.95
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	7	0.95
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	7	0.95
(1,2608)	1:73:A:ASN:H	1:71:A:LEU:H	1	0.95
(1,2608)	1:73:A:ASN:H	1:71:A:LEU:H	2	0.95
(1,2608)	1:73:A:ASN:H	1:71:A:LEU:H	10	0.95
(1,2608)	1:73:A:ASN:H	1:71:A:LEU:H	11	0.95
(1,2608)	1:73:A:ASN:H	1:71:A:LEU:H	12	0.95
(1,2597)	1:71:A:LEU:H	1:68:A:LYS:HG2	14	0.95
(1,2570)	1:55:A:LYS:HG2	1:54:A:LEU:H	4	0.95
(1,2570)	1:55:A:LYS:HG3	1:54:A:LEU:H	4	0.95
(1,2550)	1:49:A:GLU:HA	1:53:A:GLU:H	12	0.95
(1,2545)	1:49:A:GLU:H	1:44:A:THR:HA	12	0.95
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG2	14	0.95
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG3	14	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD21	3	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD22	3	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD23	3	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD21	4	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD22	4	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD23	4	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD21	5	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD22	5	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD23	5	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD21	6	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD22	6	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD23	6	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD21	7	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD22	7	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD23	7	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD21	8	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD22	8	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD23	8	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD21	9	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD22	9	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD23	9	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD21	10	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD22	10	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD23	10	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD21	14	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD22	14	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD23	14	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD21	15	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD22	15	0.95
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD23	15	0.95
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD21	5	0.95
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD22	5	0.95
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD23	5	0.95
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD21	14	0.95
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD22	14	0.95
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD23	14	0.95
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	7	0.95
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	7	0.95
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	7	0.95
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	7	0.95
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	7	0.95
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	7	0.95
(1,2484)	1:73:A:ASN:H	1:71:A:LEU:H	1	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2484)	1:73:A:ASN:H	1:71:A:LEU:H	2	0.95
(1,2484)	1:73:A:ASN:H	1:71:A:LEU:H	10	0.95
(1,2484)	1:73:A:ASN:H	1:71:A:LEU:H	11	0.95
(1,2484)	1:73:A:ASN:H	1:71:A:LEU:H	12	0.95
(1,2473)	1:71:A:LEU:H	1:68:A:LYS:HG2	14	0.95
(1,2446)	1:55:A:LYS:HG2	1:54:A:LEU:H	4	0.95
(1,2446)	1:55:A:LYS:HG3	1:54:A:LEU:H	4	0.95
(1,2426)	1:49:A:GLU:HA	1:53:A:GLU:H	12	0.95
(1,2421)	1:49:A:GLU:H	1:44:A:THR:HA	12	0.95
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG2	14	0.95
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG3	14	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD21	3	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD22	3	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD23	3	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD21	4	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD22	4	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD23	4	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD21	5	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD22	5	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD23	5	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD21	6	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD22	6	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD23	6	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD21	7	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD22	7	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD23	7	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD21	8	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD22	8	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD23	8	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD21	9	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD22	9	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD23	9	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD21	10	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD22	10	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD23	10	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD21	14	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD22	14	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD23	14	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD21	15	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD22	15	0.95
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD23	15	0.95
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD21	5	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD22	5	0.95
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD23	5	0.95
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD21	14	0.95
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD22	14	0.95
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD23	14	0.95
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	7	0.95
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	7	0.95
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	7	0.95
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	7	0.95
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	7	0.95
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	7	0.95
(1,2360)	1:73:A:ASN:H	1:71:A:LEU:H	1	0.95
(1,2360)	1:73:A:ASN:H	1:71:A:LEU:H	2	0.95
(1,2360)	1:73:A:ASN:H	1:71:A:LEU:H	10	0.95
(1,2360)	1:73:A:ASN:H	1:71:A:LEU:H	11	0.95
(1,2360)	1:73:A:ASN:H	1:71:A:LEU:H	12	0.95
(1,2349)	1:71:A:LEU:H	1:68:A:LYS:HG2	14	0.95
(1,2322)	1:55:A:LYS:HG2	1:54:A:LEU:H	4	0.95
(1,2322)	1:55:A:LYS:HG3	1:54:A:LEU:H	4	0.95
(1,2302)	1:49:A:GLU:HA	1:53:A:GLU:H	12	0.95
(1,2297)	1:49:A:GLU:H	1:44:A:THR:HA	12	0.95
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG2	14	0.95
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG3	14	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD21	3	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD22	3	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD23	3	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD21	4	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD22	4	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD23	4	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD21	5	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD22	5	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD23	5	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD21	6	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD22	6	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD23	6	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD21	7	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD22	7	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD23	7	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD21	8	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD22	8	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD23	8	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD21	9	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD22	9	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD23	9	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD21	10	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD22	10	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD23	10	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD21	14	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD22	14	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD23	14	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD21	15	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD22	15	0.95
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD23	15	0.95
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD21	5	0.95
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD22	5	0.95
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD23	5	0.95
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD21	14	0.95
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD22	14	0.95
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD23	14	0.95
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	7	0.95
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	7	0.95
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	7	0.95
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	7	0.95
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	7	0.95
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	7	0.95
(1,2245)	1:103:A:GLU:H	1:102:A:LEU:HB2	12	0.95
(1,2243)	1:103:A:GLU:H	1:102:A:LEU:HB3	14	0.95
(1,2240)	1:103:A:GLU:H	1:102:A:LEU:HA	1	0.95
(1,2234)	1:101:A:PRO:HD2	1:103:A:GLU:H	8	0.95
(1,2234)	1:101:A:PRO:HD3	1:103:A:GLU:H	8	0.95
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB1	1	0.95
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB2	1	0.95
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB3	1	0.95
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB1	13	0.95
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB2	13	0.95
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB3	13	0.95
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB1	15	0.95
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB2	15	0.95
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB3	15	0.95
(1,2218)	1:99:A:ASN:H	1:97:A:VAL:H	5	0.95
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD1	12	0.95
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD2	12	0.95
(1,2213)	1:98:A:ALA:H	1:97:A:VAL:HB	13	0.95
(1,2213)	1:98:A:ALA:H	1:97:A:VAL:HB	15	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2184)	1:96:A:TYR:H	1:95:A:SER:HA	10	0.95
(1,2158)	1:93:A:LYS:HB2	1:90:A:GLU:HA	9	0.95
(1,2158)	1:93:A:LYS:HB3	1:90:A:GLU:HA	9	0.95
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE1	5	0.95
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE2	5	0.95
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE3	5	0.95
(1,2088)	1:83:A:ASP:HA	1:86:A:ARG:H	14	0.95
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB1	3	0.95
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB2	3	0.95
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB3	3	0.95
(1,2010)	1:75:A:THR:H	1:78:A:LEU:H	4	0.95
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG21	12	0.95
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG22	12	0.95
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG23	12	0.95
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG21	15	0.95
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG22	15	0.95
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG23	15	0.95
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD11	14	0.95
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD12	14	0.95
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD13	14	0.95
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD21	14	0.95
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD22	14	0.95
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD23	14	0.95
(1,1907)	1:64:A:LYS:H	1:60:A:GLN:HA	7	0.95
(1,1897)	1:63:A:LEU:HG	1:60:A:GLN:HA	3	0.95
(1,1889)	1:62:A:SER:H	1:60:A:GLN:HA	15	0.95
(1,1887)	1:61:A:ASP:HA	1:64:A:LYS:H	9	0.95
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG21	14	0.95
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG22	14	0.95
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG23	14	0.95
(1,1842)	1:51:A:THR:HA	1:52:A:GLN:H	3	0.95
(1,1842)	1:51:A:THR:HA	1:52:A:GLN:H	6	0.95
(1,1834)	1:48:A:ASN:HB3	1:49:A:GLU:H	11	0.95
(1,1834)	1:48:A:ASN:HB2	1:49:A:GLU:H	11	0.95
(1,1829)	1:47:A:GLN:HB2	1:48:A:ASN:H	1	0.95
(1,1829)	1:47:A:GLN:HB3	1:48:A:ASN:H	1	0.95
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG21	5	0.95
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG22	5	0.95
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG23	5	0.95
(1,1785)	1:42:A:LEU:H	1:39:A:LEU:HA	1	0.95
(1,1770)	1:38:A:ALA:H	1:34:A:GLY:HA2	6	0.95
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA2	12	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA3	12	0.95
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA2	12	0.95
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA3	12	0.95
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA2	15	0.95
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA3	15	0.95
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA2	15	0.95
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA3	15	0.95
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB1	4	0.95
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB2	4	0.95
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB3	4	0.95
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB1	5	0.95
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB2	5	0.95
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB3	5	0.95
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB1	8	0.95
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB2	8	0.95
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB3	8	0.95
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB1	13	0.95
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB2	13	0.95
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB3	13	0.95
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB1	14	0.95
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB2	14	0.95
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB3	14	0.95
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB1	15	0.95
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB2	15	0.95
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB3	15	0.95
(1,1751)	1:33:A:ALA:HA	1:36:A:ILE:HA	14	0.95
(1,1722)	1:27:A:VAL:H	1:26:A:PRO:HG3	2	0.95
(1,1686)	1:18:A:VAL:HA	1:19:A:VAL:H	1	0.95
(1,1686)	1:18:A:VAL:HA	1:19:A:VAL:H	3	0.95
(1,1686)	1:18:A:VAL:HA	1:19:A:VAL:H	4	0.95
(1,1686)	1:18:A:VAL:HA	1:19:A:VAL:H	5	0.95
(1,1686)	1:18:A:VAL:HA	1:19:A:VAL:H	6	0.95
(1,1686)	1:18:A:VAL:HA	1:19:A:VAL:H	7	0.95
(1,1686)	1:18:A:VAL:HA	1:19:A:VAL:H	9	0.95
(1,1686)	1:18:A:VAL:HA	1:19:A:VAL:H	10	0.95
(1,1686)	1:18:A:VAL:HA	1:19:A:VAL:H	11	0.95
(1,1686)	1:18:A:VAL:HA	1:19:A:VAL:H	14	0.95
(1,1686)	1:18:A:VAL:HA	1:19:A:VAL:H	15	0.95
(1,1651)	1:13:A:PHE:HE1	1:17:A:LEU:HG	3	0.95
(1,1651)	1:13:A:PHE:HE2	1:17:A:LEU:HG	3	0.95
(1,1651)	1:13:A:PHE:HE1	1:17:A:LEU:HG	7	0.95
(1,1651)	1:13:A:PHE:HE2	1:17:A:LEU:HG	7	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG13	3	0.95
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG12	3	0.95
(1,1574)	1:4:A:ILE:HB	1:3:A:ASP:HA	1	0.95
(1,1574)	1:4:A:ILE:HB	1:3:A:ASP:HA	2	0.95
(1,1574)	1:4:A:ILE:HB	1:3:A:ASP:HA	4	0.95
(1,1574)	1:4:A:ILE:HB	1:3:A:ASP:HA	6	0.95
(1,1574)	1:4:A:ILE:HB	1:3:A:ASP:HA	9	0.95
(1,1574)	1:4:A:ILE:HB	1:3:A:ASP:HA	14	0.95
(1,1453)	1:67:A:GLU:HG2	1:70:A:SER:H	10	0.95
(1,1453)	1:67:A:GLU:HG3	1:70:A:SER:H	10	0.95
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD11	8	0.95
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD12	8	0.95
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD13	8	0.95
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD21	8	0.95
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD22	8	0.95
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD23	8	0.95
(1,1414)	1:47:A:GLN:H	1:44:A:THR:HB	7	0.95
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB1	13	0.95
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB2	13	0.95
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB3	13	0.95
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG21	1	0.95
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG22	1	0.95
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG23	1	0.95
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG21	12	0.95
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG22	12	0.95
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG23	12	0.95
(1,1323)	1:26:A:PRO:HB2	1:30:A:LYS:HG2	1	0.95
(1,1323)	1:26:A:PRO:HB3	1:30:A:LYS:HG2	1	0.95
(1,1323)	1:26:A:PRO:HB2	1:30:A:LYS:HG2	3	0.95
(1,1323)	1:26:A:PRO:HB3	1:30:A:LYS:HG2	3	0.95
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD11	2	0.95
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD12	2	0.95
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD13	2	0.95
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD21	2	0.95
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD22	2	0.95
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD23	2	0.95
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD11	11	0.95
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD12	11	0.95
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD13	11	0.95
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD11	12	0.95
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD12	12	0.95
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD13	12	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB2	12	0.95
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB3	12	0.95
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD11	11	0.95
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD12	11	0.95
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD13	11	0.95
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD11	11	0.95
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD12	11	0.95
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD13	11	0.95
(1,1251)	1:9:A:LEU:HD11	1:11:A:LEU:H	2	0.95
(1,1251)	1:9:A:LEU:HD12	1:11:A:LEU:H	2	0.95
(1,1251)	1:9:A:LEU:HD13	1:11:A:LEU:H	2	0.95
(1,1251)	1:9:A:LEU:HD21	1:11:A:LEU:H	2	0.95
(1,1251)	1:9:A:LEU:HD22	1:11:A:LEU:H	2	0.95
(1,1251)	1:9:A:LEU:HD23	1:11:A:LEU:H	2	0.95
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD11	8	0.94
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD12	8	0.94
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD13	8	0.94
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD11	3	0.94
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD12	3	0.94
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD13	3	0.94
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD21	3	0.94
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD22	3	0.94
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD23	3	0.94
(1,2818)	1:55:A:LYS:HG2	1:54:A:LEU:H	13	0.94
(1,2818)	1:55:A:LYS:HG3	1:54:A:LEU:H	13	0.94
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG21	12	0.94
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG22	12	0.94
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG23	12	0.94
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG2	6	0.94
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG3	6	0.94
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG2	6	0.94
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG3	6	0.94
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG2	6	0.94
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG3	6	0.94
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG2	13	0.94
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG3	13	0.94
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG2	13	0.94
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG3	13	0.94
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG2	13	0.94
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG3	13	0.94
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD21	11	0.94
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD22	11	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD23	11	0.94
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD21	2	0.94
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD22	2	0.94
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD23	2	0.94
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD21	6	0.94
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD22	6	0.94
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD23	6	0.94
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD11	8	0.94
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD12	8	0.94
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD13	8	0.94
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD11	3	0.94
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD12	3	0.94
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD13	3	0.94
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD21	3	0.94
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD22	3	0.94
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD23	3	0.94
(1,2694)	1:55:A:LYS:HG2	1:54:A:LEU:H	13	0.94
(1,2694)	1:55:A:LYS:HG3	1:54:A:LEU:H	13	0.94
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG21	12	0.94
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG22	12	0.94
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG23	12	0.94
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG2	6	0.94
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG3	6	0.94
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG2	6	0.94
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG3	6	0.94
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG2	6	0.94
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG3	6	0.94
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG2	13	0.94
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG3	13	0.94
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG2	13	0.94
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG3	13	0.94
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG2	13	0.94
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG3	13	0.94
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD21	11	0.94
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD22	11	0.94
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD23	11	0.94
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD21	2	0.94
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD22	2	0.94
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD23	2	0.94
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD21	6	0.94
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD22	6	0.94
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD23	6	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD11	8	0.94
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD12	8	0.94
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD13	8	0.94
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD11	3	0.94
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD12	3	0.94
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD13	3	0.94
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD21	3	0.94
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD22	3	0.94
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD23	3	0.94
(1,2570)	1:55:A:LYS:HG2	1:54:A:LEU:H	13	0.94
(1,2570)	1:55:A:LYS:HG3	1:54:A:LEU:H	13	0.94
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG21	12	0.94
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG22	12	0.94
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG23	12	0.94
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG2	6	0.94
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG3	6	0.94
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG2	6	0.94
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG3	6	0.94
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG2	6	0.94
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG3	6	0.94
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG2	13	0.94
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG3	13	0.94
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG2	13	0.94
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG3	13	0.94
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG2	13	0.94
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG3	13	0.94
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD21	11	0.94
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD22	11	0.94
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD23	11	0.94
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD21	2	0.94
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD22	2	0.94
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD23	2	0.94
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD21	6	0.94
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD22	6	0.94
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD23	6	0.94
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD11	8	0.94
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD12	8	0.94
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD13	8	0.94
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD11	3	0.94
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD12	3	0.94
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD13	3	0.94
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD21	3	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD22	3	0.94
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD23	3	0.94
(1,2446)	1:55:A:LYS:HG2	1:54:A:LEU:H	13	0.94
(1,2446)	1:55:A:LYS:HG3	1:54:A:LEU:H	13	0.94
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG21	12	0.94
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG22	12	0.94
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG23	12	0.94
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG2	6	0.94
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG3	6	0.94
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG2	6	0.94
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG3	6	0.94
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG2	6	0.94
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG3	6	0.94
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG2	13	0.94
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG3	13	0.94
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG2	13	0.94
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG3	13	0.94
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG2	13	0.94
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG3	13	0.94
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD21	11	0.94
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD22	11	0.94
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD23	11	0.94
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD21	2	0.94
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD22	2	0.94
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD23	2	0.94
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD21	6	0.94
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD22	6	0.94
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD23	6	0.94
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD11	8	0.94
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD12	8	0.94
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD13	8	0.94
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD11	3	0.94
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD12	3	0.94
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD13	3	0.94
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD21	3	0.94
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD22	3	0.94
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD23	3	0.94
(1,2322)	1:55:A:LYS:HG2	1:54:A:LEU:H	13	0.94
(1,2322)	1:55:A:LYS:HG3	1:54:A:LEU:H	13	0.94
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG21	12	0.94
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG22	12	0.94
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG23	12	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG2	6	0.94
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG3	6	0.94
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG2	6	0.94
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG3	6	0.94
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG2	6	0.94
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG3	6	0.94
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG2	13	0.94
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG3	13	0.94
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG2	13	0.94
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG3	13	0.94
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG2	13	0.94
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG3	13	0.94
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD21	11	0.94
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD22	11	0.94
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD23	11	0.94
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD21	2	0.94
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD22	2	0.94
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD23	2	0.94
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD21	6	0.94
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD22	6	0.94
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD23	6	0.94
(1,2234)	1:101:A:PRO:HD2	1:103:A:GLU:H	10	0.94
(1,2234)	1:101:A:PRO:HD3	1:103:A:GLU:H	10	0.94
(1,2213)	1:98:A:ALA:H	1:97:A:VAL:HB	1	0.94
(1,2198)	1:96:A:TYR:H	1:100:A:ASP:H	7	0.94
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB2	1	0.94
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB3	1	0.94
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB2	14	0.94
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB3	14	0.94
(1,2184)	1:96:A:TYR:H	1:95:A:SER:HA	5	0.94
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD11	6	0.94
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD12	6	0.94
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD13	6	0.94
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG21	4	0.94
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG22	4	0.94
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG23	4	0.94
(1,2010)	1:75:A:THR:H	1:78:A:LEU:H	14	0.94
(1,2007)	1:75:A:THR:H	1:71:A:LEU:HA	1	0.94
(1,2007)	1:75:A:THR:H	1:71:A:LEU:HA	5	0.94
(1,2007)	1:75:A:THR:H	1:71:A:LEU:HA	11	0.94
(1,2007)	1:75:A:THR:H	1:71:A:LEU:HA	12	0.94
(1,2007)	1:75:A:THR:H	1:71:A:LEU:HA	15	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB1	1	0.94
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB2	1	0.94
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB3	1	0.94
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB1	1	0.94
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB2	1	0.94
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB3	1	0.94
(1,1957)	1:68:A:LYS:HA	1:71:A:LEU:H	3	0.94
(1,1945)	1:67:A:GLU:HG2	1:66:A:VAL:H	9	0.94
(1,1945)	1:67:A:GLU:HG3	1:66:A:VAL:H	9	0.94
(1,1936)	1:66:A:VAL:HA	1:69:A:ALA:H	15	0.94
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG21	7	0.94
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG22	7	0.94
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG23	7	0.94
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG11	7	0.94
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG12	7	0.94
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG13	7	0.94
(1,1899)	1:63:A:LEU:HB2	1:62:A:SER:HB2	6	0.94
(1,1898)	1:63:A:LEU:H	1:61:A:ASP:H	10	0.94
(1,1889)	1:62:A:SER:H	1:60:A:GLN:HA	2	0.94
(1,1887)	1:61:A:ASP:HA	1:64:A:LYS:H	11	0.94
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG21	9	0.94
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG22	9	0.94
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG23	9	0.94
(1,1845)	1:51:A:THR:HB	1:52:A:GLN:H	2	0.94
(1,1842)	1:51:A:THR:HA	1:52:A:GLN:H	2	0.94
(1,1842)	1:51:A:THR:HA	1:52:A:GLN:H	4	0.94
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG21	3	0.94
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG22	3	0.94
(1,1819)	1:46:A:VAL:H	1:45:A:THR:HG23	3	0.94
(1,1805)	1:45:A:THR:H	1:42:A:LEU:HA	4	0.94
(1,1770)	1:38:A:ALA:H	1:34:A:GLY:HA2	5	0.94
(1,1770)	1:38:A:ALA:H	1:34:A:GLY:HA2	7	0.94
(1,1770)	1:38:A:ALA:H	1:34:A:GLY:HA2	9	0.94
(1,1770)	1:38:A:ALA:H	1:34:A:GLY:HA2	10	0.94
(1,1770)	1:38:A:ALA:H	1:34:A:GLY:HA2	12	0.94
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA2	13	0.94
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA3	13	0.94
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA2	13	0.94
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA3	13	0.94
(1,1759)	1:35:A:TRP:HA	1:38:A:ALA:H	6	0.94
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB1	6	0.94
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB2	6	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB3	6	0.94
(1,1722)	1:27:A:VAL:H	1:26:A:PRO:HG3	11	0.94
(1,1686)	1:18:A:VAL:HA	1:19:A:VAL:H	8	0.94
(1,1686)	1:18:A:VAL:HA	1:19:A:VAL:H	13	0.94
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD1	13	0.94
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD2	13	0.94
(1,1651)	1:13:A:PHE:HE1	1:17:A:LEU:HG	15	0.94
(1,1651)	1:13:A:PHE:HE2	1:17:A:LEU:HG	15	0.94
(1,1632)	1:12:A:VAL:HA	1:15:A:ILE:H	12	0.94
(1,1598)	1:6:A:PHE:HD1	1:9:A:LEU:HB3	6	0.94
(1,1598)	1:6:A:PHE:HD2	1:9:A:LEU:HB3	6	0.94
(1,1526)	1:95:A:SER:HA	1:94:A:ARG:HG2	7	0.94
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB2	6	0.94
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB3	6	0.94
(1,1472)	1:73:A:ASN:H	1:74:A:LEU:HG	6	0.94
(1,1472)	1:73:A:ASN:H	1:74:A:LEU:HG	14	0.94
(1,1447)	1:65:A:LYS:H	1:66:A:VAL:HB	10	0.94
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG21	2	0.94
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG22	2	0.94
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG23	2	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB1	3	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB2	3	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB3	3	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB1	4	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB2	4	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB3	4	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB1	5	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB2	5	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB3	5	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB1	6	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB2	6	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB3	6	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB1	7	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB2	7	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB3	7	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB1	8	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB2	8	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB3	8	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB1	9	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB2	9	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB3	9	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB1	10	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB2	10	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB3	10	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB1	13	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB2	13	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB3	13	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB1	14	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB2	14	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB3	14	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB1	15	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB2	15	0.94
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB3	15	0.94
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG21	7	0.93
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG22	7	0.93
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG23	7	0.93
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD11	6	0.93
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD12	6	0.93
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD13	6	0.93
(1,2848)	1:71:A:LEU:HB3	1:75:A:THR:H	15	0.93
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD11	12	0.93
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD12	12	0.93
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD13	12	0.93
(1,2826)	1:57:A:GLN:H	1:54:A:LEU:HA	5	0.93
(1,2802)	1:50:A:LEU:H	1:53:A:GLU:H	10	0.93
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB2	14	0.93
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB3	14	0.93
(1,2794)	1:49:A:GLU:HA	1:47:A:GLN:H	8	0.93
(1,2794)	1:49:A:GLU:HA	1:47:A:GLN:H	13	0.93
(1,2779)	1:45:A:THR:HA	1:50:A:LEU:H	3	0.93
(1,2778)	1:45:A:THR:HA	1:49:A:GLU:H	15	0.93
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG2	7	0.93
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG3	7	0.93
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG2	7	0.93
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG3	7	0.93
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG2	7	0.93
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG3	7	0.93
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD21	13	0.93
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD22	13	0.93
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD23	13	0.93
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG21	7	0.93
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG22	7	0.93
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG23	7	0.93
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD11	6	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD12	6	0.93
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD13	6	0.93
(1,2724)	1:71:A:LEU:HB3	1:75:A:THR:H	15	0.93
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD11	12	0.93
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD12	12	0.93
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD13	12	0.93
(1,2702)	1:57:A:GLN:H	1:54:A:LEU:HA	5	0.93
(1,2678)	1:50:A:LEU:H	1:53:A:GLU:H	10	0.93
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB2	14	0.93
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB3	14	0.93
(1,2670)	1:49:A:GLU:HA	1:47:A:GLN:H	8	0.93
(1,2670)	1:49:A:GLU:HA	1:47:A:GLN:H	13	0.93
(1,2655)	1:45:A:THR:HA	1:50:A:LEU:H	3	0.93
(1,2654)	1:45:A:THR:HA	1:49:A:GLU:H	15	0.93
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG2	7	0.93
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG3	7	0.93
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG2	7	0.93
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG3	7	0.93
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG2	7	0.93
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG3	7	0.93
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD21	13	0.93
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD22	13	0.93
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD23	13	0.93
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG21	7	0.93
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG22	7	0.93
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG23	7	0.93
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD11	6	0.93
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD12	6	0.93
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD13	6	0.93
(1,2600)	1:71:A:LEU:HB3	1:75:A:THR:H	15	0.93
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD11	12	0.93
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD12	12	0.93
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD13	12	0.93
(1,2578)	1:57:A:GLN:H	1:54:A:LEU:HA	5	0.93
(1,2554)	1:50:A:LEU:H	1:53:A:GLU:H	10	0.93
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB2	14	0.93
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB3	14	0.93
(1,2546)	1:49:A:GLU:HA	1:47:A:GLN:H	8	0.93
(1,2546)	1:49:A:GLU:HA	1:47:A:GLN:H	13	0.93
(1,2531)	1:45:A:THR:HA	1:50:A:LEU:H	3	0.93
(1,2530)	1:45:A:THR:HA	1:49:A:GLU:H	15	0.93
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG2	7	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG3	7	0.93
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG2	7	0.93
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG3	7	0.93
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG2	7	0.93
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG3	7	0.93
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD21	13	0.93
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD22	13	0.93
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD23	13	0.93
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG21	7	0.93
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG22	7	0.93
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG23	7	0.93
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD11	6	0.93
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD12	6	0.93
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD13	6	0.93
(1,2476)	1:71:A:LEU:HB3	1:75:A:THR:H	15	0.93
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD11	12	0.93
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD12	12	0.93
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD13	12	0.93
(1,2454)	1:57:A:GLN:H	1:54:A:LEU:HA	5	0.93
(1,2430)	1:50:A:LEU:H	1:53:A:GLU:H	10	0.93
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB2	14	0.93
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB3	14	0.93
(1,2422)	1:49:A:GLU:HA	1:47:A:GLN:H	8	0.93
(1,2422)	1:49:A:GLU:HA	1:47:A:GLN:H	13	0.93
(1,2407)	1:45:A:THR:HA	1:50:A:LEU:H	3	0.93
(1,2406)	1:45:A:THR:HA	1:49:A:GLU:H	15	0.93
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG2	7	0.93
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG3	7	0.93
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG2	7	0.93
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG3	7	0.93
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG2	7	0.93
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG3	7	0.93
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD21	13	0.93
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD22	13	0.93
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD23	13	0.93
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG21	7	0.93
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG22	7	0.93
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG23	7	0.93
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD11	6	0.93
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD12	6	0.93
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD13	6	0.93
(1,2352)	1:71:A:LEU:HB3	1:75:A:THR:H	15	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD11	12	0.93
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD12	12	0.93
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD13	12	0.93
(1,2330)	1:57:A:GLN:H	1:54:A:LEU:HA	5	0.93
(1,2306)	1:50:A:LEU:H	1:53:A:GLU:H	10	0.93
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB2	14	0.93
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB3	14	0.93
(1,2298)	1:49:A:GLU:HA	1:47:A:GLN:H	8	0.93
(1,2298)	1:49:A:GLU:HA	1:47:A:GLN:H	13	0.93
(1,2283)	1:45:A:THR:HA	1:50:A:LEU:H	3	0.93
(1,2282)	1:45:A:THR:HA	1:49:A:GLU:H	15	0.93
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG2	7	0.93
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG3	7	0.93
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG2	7	0.93
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG3	7	0.93
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG2	7	0.93
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG3	7	0.93
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD21	13	0.93
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD22	13	0.93
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD23	13	0.93
(1,2243)	1:103:A:GLU:H	1:102:A:LEU:HB3	2	0.93
(1,2240)	1:103:A:GLU:H	1:102:A:LEU:HA	6	0.93
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB2	12	0.93
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB3	12	0.93
(1,2158)	1:93:A:LYS:HB2	1:90:A:GLU:HA	2	0.93
(1,2158)	1:93:A:LYS:HB3	1:90:A:GLU:HA	2	0.93
(1,2158)	1:93:A:LYS:HB2	1:90:A:GLU:HA	4	0.93
(1,2158)	1:93:A:LYS:HB3	1:90:A:GLU:HA	4	0.93
(1,2158)	1:93:A:LYS:HB2	1:90:A:GLU:HA	5	0.93
(1,2158)	1:93:A:LYS:HB3	1:90:A:GLU:HA	5	0.93
(1,2099)	1:84:A:GLU:H	1:83:A:ASP:HB3	2	0.93
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG21	14	0.93
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG22	14	0.93
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG23	14	0.93
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB1	4	0.93
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB2	4	0.93
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB3	4	0.93
(1,2007)	1:75:A:THR:H	1:71:A:LEU:HA	10	0.93
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG21	15	0.93
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG22	15	0.93
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG23	15	0.93
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG21	15	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG22	15	0.93
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG23	15	0.93
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD21	4	0.93
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD22	4	0.93
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD23	4	0.93
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG2	9	0.93
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG3	9	0.93
(1,1873)	1:60:A:GLN:HG2	1:61:A:ASP:H	5	0.93
(1,1873)	1:60:A:GLN:HG3	1:61:A:ASP:H	5	0.93
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG2	12	0.93
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG3	12	0.93
(1,1845)	1:51:A:THR:HB	1:52:A:GLN:H	1	0.93
(1,1845)	1:51:A:THR:HB	1:52:A:GLN:H	8	0.93
(1,1845)	1:51:A:THR:HB	1:52:A:GLN:H	9	0.93
(1,1845)	1:51:A:THR:HB	1:52:A:GLN:H	13	0.93
(1,1842)	1:51:A:THR:HA	1:52:A:GLN:H	5	0.93
(1,1827)	1:47:A:GLN:HA	1:46:A:VAL:HB	1	0.93
(1,1805)	1:45:A:THR:H	1:42:A:LEU:HA	10	0.93
(1,1770)	1:38:A:ALA:H	1:34:A:GLY:HA2	8	0.93
(1,1770)	1:38:A:ALA:H	1:34:A:GLY:HA2	13	0.93
(1,1770)	1:38:A:ALA:H	1:34:A:GLY:HA2	15	0.93
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA2	8	0.93
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA3	8	0.93
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA2	8	0.93
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA3	8	0.93
(1,1759)	1:35:A:TRP:HA	1:38:A:ALA:H	8	0.93
(1,1759)	1:35:A:TRP:HA	1:38:A:ALA:H	13	0.93
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB1	1	0.93
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB2	1	0.93
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB3	1	0.93
(1,1722)	1:27:A:VAL:H	1:26:A:PRO:HG3	4	0.93
(1,1722)	1:27:A:VAL:H	1:26:A:PRO:HG3	5	0.93
(1,1722)	1:27:A:VAL:H	1:26:A:PRO:HG3	8	0.93
(1,1722)	1:27:A:VAL:H	1:26:A:PRO:HG3	13	0.93
(1,1722)	1:27:A:VAL:H	1:26:A:PRO:HG3	14	0.93
(1,1722)	1:27:A:VAL:H	1:26:A:PRO:HG3	15	0.93
(1,1698)	1:21:A:GLY:H	1:20:A:LEU:HA	12	0.93
(1,1686)	1:18:A:VAL:HA	1:19:A:VAL:H	2	0.93
(1,1574)	1:4:A:ILE:HB	1:3:A:ASP:HA	12	0.93
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD1	2	0.93
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD2	2	0.93
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB2	4	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB3	4	0.93
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB2	8	0.93
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB3	8	0.93
(1,1472)	1:73:A:ASN:H	1:74:A:LEU:HG	4	0.93
(1,1424)	1:48:A:ASN:H	1:49:A:GLU:HB2	15	0.93
(1,1323)	1:26:A:PRO:HB2	1:30:A:LYS:HG2	4	0.93
(1,1323)	1:26:A:PRO:HB3	1:30:A:LYS:HG2	4	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD11	3	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD12	3	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD13	3	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD21	3	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD22	3	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD23	3	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD11	5	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD12	5	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD13	5	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD21	5	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD22	5	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD23	5	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD11	8	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD12	8	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD13	8	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD21	8	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD22	8	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD23	8	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD11	15	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD12	15	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD13	15	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD21	15	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD22	15	0.93
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD23	15	0.93
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG21	5	0.92
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG22	5	0.92
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG23	5	0.92
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	12	0.92
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	12	0.92
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	12	0.92
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	12	0.92
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	12	0.92
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	12	0.92
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	12	0.92
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	12	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	12	0.92
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	12	0.92
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	12	0.92
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	12	0.92
(1,2826)	1:57:A:GLN:H	1:54:A:LEU:HA	7	0.92
(1,2818)	1:55:A:LYS:HG2	1:54:A:LEU:H	1	0.92
(1,2818)	1:55:A:LYS:HG3	1:54:A:LEU:H	1	0.92
(1,2818)	1:55:A:LYS:HG2	1:54:A:LEU:H	3	0.92
(1,2818)	1:55:A:LYS:HG3	1:54:A:LEU:H	3	0.92
(1,2818)	1:55:A:LYS:HG2	1:54:A:LEU:H	9	0.92
(1,2818)	1:55:A:LYS:HG3	1:54:A:LEU:H	9	0.92
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD21	14	0.92
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD22	14	0.92
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD23	14	0.92
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG21	5	0.92
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG22	5	0.92
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG23	5	0.92
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	12	0.92
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	12	0.92
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	12	0.92
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	12	0.92
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	12	0.92
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	12	0.92
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	12	0.92
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	12	0.92
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	12	0.92
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	12	0.92
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	12	0.92
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	12	0.92
(1,2702)	1:57:A:GLN:H	1:54:A:LEU:HA	7	0.92
(1,2694)	1:55:A:LYS:HG2	1:54:A:LEU:H	1	0.92
(1,2694)	1:55:A:LYS:HG3	1:54:A:LEU:H	1	0.92
(1,2694)	1:55:A:LYS:HG2	1:54:A:LEU:H	3	0.92
(1,2694)	1:55:A:LYS:HG3	1:54:A:LEU:H	3	0.92
(1,2694)	1:55:A:LYS:HG2	1:54:A:LEU:H	9	0.92
(1,2694)	1:55:A:LYS:HG3	1:54:A:LEU:H	9	0.92
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD21	14	0.92
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD22	14	0.92
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD23	14	0.92
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG21	5	0.92
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG22	5	0.92
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG23	5	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	12	0.92
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	12	0.92
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	12	0.92
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	12	0.92
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	12	0.92
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	12	0.92
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	12	0.92
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	12	0.92
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	12	0.92
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	12	0.92
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	12	0.92
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	12	0.92
(1,2578)	1:57:A:GLN:H	1:54:A:LEU:HA	7	0.92
(1,2570)	1:55:A:LYS:HG2	1:54:A:LEU:H	1	0.92
(1,2570)	1:55:A:LYS:HG3	1:54:A:LEU:H	1	0.92
(1,2570)	1:55:A:LYS:HG2	1:54:A:LEU:H	3	0.92
(1,2570)	1:55:A:LYS:HG3	1:54:A:LEU:H	3	0.92
(1,2570)	1:55:A:LYS:HG2	1:54:A:LEU:H	9	0.92
(1,2570)	1:55:A:LYS:HG3	1:54:A:LEU:H	9	0.92
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD21	14	0.92
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD22	14	0.92
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD23	14	0.92
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG21	5	0.92
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG22	5	0.92
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG23	5	0.92
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	12	0.92
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	12	0.92
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	12	0.92
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	12	0.92
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	12	0.92
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	12	0.92
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	12	0.92
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	12	0.92
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	12	0.92
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	12	0.92
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	12	0.92
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	12	0.92
(1,2454)	1:57:A:GLN:H	1:54:A:LEU:HA	7	0.92
(1,2446)	1:55:A:LYS:HG2	1:54:A:LEU:H	1	0.92
(1,2446)	1:55:A:LYS:HG3	1:54:A:LEU:H	1	0.92
(1,2446)	1:55:A:LYS:HG2	1:54:A:LEU:H	3	0.92
(1,2446)	1:55:A:LYS:HG3	1:54:A:LEU:H	3	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2446)	1:55:A:LYS:HG2	1:54:A:LEU:H	9	0.92
(1,2446)	1:55:A:LYS:HG3	1:54:A:LEU:H	9	0.92
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD21	14	0.92
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD22	14	0.92
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD23	14	0.92
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG21	5	0.92
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG22	5	0.92
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG23	5	0.92
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	12	0.92
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	12	0.92
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	12	0.92
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	12	0.92
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	12	0.92
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	12	0.92
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	12	0.92
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	12	0.92
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	12	0.92
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	12	0.92
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	12	0.92
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	12	0.92
(1,2330)	1:57:A:GLN:H	1:54:A:LEU:HA	7	0.92
(1,2322)	1:55:A:LYS:HG2	1:54:A:LEU:H	1	0.92
(1,2322)	1:55:A:LYS:HG3	1:54:A:LEU:H	1	0.92
(1,2322)	1:55:A:LYS:HG2	1:54:A:LEU:H	3	0.92
(1,2322)	1:55:A:LYS:HG3	1:54:A:LEU:H	3	0.92
(1,2322)	1:55:A:LYS:HG2	1:54:A:LEU:H	9	0.92
(1,2322)	1:55:A:LYS:HG3	1:54:A:LEU:H	9	0.92
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD21	14	0.92
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD22	14	0.92
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD23	14	0.92
(1,2243)	1:103:A:GLU:H	1:102:A:LEU:HB3	5	0.92
(1,2243)	1:103:A:GLU:H	1:102:A:LEU:HB3	12	0.92
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB1	6	0.92
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB2	6	0.92
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB3	6	0.92
(1,2184)	1:96:A:TYR:H	1:95:A:SER:HA	4	0.92
(1,2106)	1:84:A:GLU:HA	1:87:A:GLN:HE21	13	0.92
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG21	9	0.92
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG22	9	0.92
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG23	9	0.92
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB1	7	0.92
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB2	7	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB3	7	0.92
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD11	1	0.92
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD12	1	0.92
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD13	1	0.92
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD21	1	0.92
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD22	1	0.92
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD23	1	0.92
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD21	1	0.92
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD22	1	0.92
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD23	1	0.92
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD11	10	0.92
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD12	10	0.92
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD13	10	0.92
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD21	10	0.92
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD22	10	0.92
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD23	10	0.92
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD21	10	0.92
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD22	10	0.92
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD23	10	0.92
(1,1960)	1:69:A:ALA:HA	1:72:A:THR:H	9	0.92
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD21	14	0.92
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD22	14	0.92
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD23	14	0.92
(1,1936)	1:66:A:VAL:HA	1:69:A:ALA:H	2	0.92
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG21	5	0.92
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG22	5	0.92
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG23	5	0.92
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG11	5	0.92
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG12	5	0.92
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG13	5	0.92
(1,1846)	1:51:A:THR:HA	1:53:A:GLU:H	13	0.92
(1,1845)	1:51:A:THR:HB	1:52:A:GLN:H	11	0.92
(1,1770)	1:38:A:ALA:H	1:34:A:GLY:HA2	3	0.92
(1,1770)	1:38:A:ALA:H	1:34:A:GLY:HA2	14	0.92
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA2	4	0.92
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA3	4	0.92
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA2	4	0.92
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA3	4	0.92
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA2	5	0.92
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA3	5	0.92
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA2	5	0.92
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA3	5	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1759)	1:35:A:TRP:HA	1:38:A:ALA:H	5	0.92
(1,1759)	1:35:A:TRP:HA	1:38:A:ALA:H	9	0.92
(1,1759)	1:35:A:TRP:HA	1:38:A:ALA:H	10	0.92
(1,1759)	1:35:A:TRP:HA	1:38:A:ALA:H	15	0.92
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB1	3	0.92
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB2	3	0.92
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB3	3	0.92
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB1	9	0.92
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB2	9	0.92
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB3	9	0.92
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB1	10	0.92
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB2	10	0.92
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB3	10	0.92
(1,1722)	1:27:A:VAL:H	1:26:A:PRO:HG3	3	0.92
(1,1722)	1:27:A:VAL:H	1:26:A:PRO:HG3	6	0.92
(1,1722)	1:27:A:VAL:H	1:26:A:PRO:HG3	7	0.92
(1,1722)	1:27:A:VAL:H	1:26:A:PRO:HG3	9	0.92
(1,1722)	1:27:A:VAL:H	1:26:A:PRO:HG3	10	0.92
(1,1686)	1:18:A:VAL:HA	1:19:A:VAL:H	12	0.92
(1,1670)	1:15:A:ILE:HA	1:18:A:VAL:HB	10	0.92
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD1	10	0.92
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD2	10	0.92
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG13	8	0.92
(1,1606)	1:8:A:GLU:HB2	1:4:A:ILE:HG12	8	0.92
(1,1555)	1:2:A:PHE:HB2	1:4:A:ILE:HD11	15	0.92
(1,1555)	1:2:A:PHE:HB2	1:4:A:ILE:HD12	15	0.92
(1,1555)	1:2:A:PHE:HB2	1:4:A:ILE:HD13	15	0.92
(1,1555)	1:2:A:PHE:HB3	1:4:A:ILE:HD11	15	0.92
(1,1555)	1:2:A:PHE:HB3	1:4:A:ILE:HD12	15	0.92
(1,1555)	1:2:A:PHE:HB3	1:4:A:ILE:HD13	15	0.92
(1,1531)	1:96:A:TYR:HB2	1:98:A:ALA:H	9	0.92
(1,1531)	1:96:A:TYR:HB3	1:98:A:ALA:H	9	0.92
(1,1526)	1:95:A:SER:HA	1:94:A:ARG:HG2	15	0.92
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB2	3	0.92
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB3	3	0.92
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB2	9	0.92
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB3	9	0.92
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB2	13	0.92
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB3	13	0.92
(1,1477)	1:75:A:THR:H	1:74:A:LEU:HG	13	0.92
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB1	7	0.92
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB2	7	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB3	7	0.92
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG21	15	0.92
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG22	15	0.92
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG23	15	0.92
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG21	10	0.92
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG22	10	0.92
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG23	10	0.92
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG21	1	0.92
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG22	1	0.92
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG23	1	0.92
(1,1361)	1:35:A:TRP:HH2	1:36:A:ILE:HA	3	0.92
(1,1361)	1:35:A:TRP:HH2	1:36:A:ILE:HA	6	0.92
(1,1361)	1:35:A:TRP:HH2	1:36:A:ILE:HA	9	0.92
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB1	12	0.92
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB2	12	0.92
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB3	12	0.92
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG11	2	0.92
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG12	2	0.92
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG13	2	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD11	4	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD12	4	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD13	4	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD21	4	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD22	4	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD23	4	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD11	6	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD12	6	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD13	6	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD21	6	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD22	6	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD23	6	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD11	7	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD12	7	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD13	7	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD21	7	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD22	7	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD23	7	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD11	10	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD12	10	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD13	10	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD21	10	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD22	10	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD23	10	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD11	13	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD12	13	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD13	13	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD21	13	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD22	13	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD23	13	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD11	14	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD12	14	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD13	14	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD21	14	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD22	14	0.92
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD23	14	0.92
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG21	12	0.92
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG22	12	0.92
(1,1297)	1:18:A:VAL:H	1:14:A:ILE:HG23	12	0.92
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB2	9	0.92
(1,1269)	1:12:A:VAL:HA	1:11:A:LEU:HB3	9	0.92
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB2	12	0.91
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB3	12	0.91
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	11	0.91
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	11	0.91
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	11	0.91
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	11	0.91
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	11	0.91
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	11	0.91
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	11	0.91
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	11	0.91
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	11	0.91
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	11	0.91
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	11	0.91
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	11	0.91
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD11	11	0.91
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD12	11	0.91
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD13	11	0.91
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD21	11	0.91
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD22	11	0.91
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD23	11	0.91
(1,2826)	1:57:A:GLN:H	1:54:A:LEU:HA	4	0.91
(1,2796)	1:49:A:GLU:H	1:51:A:THR:HA	14	0.91
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG21	15	0.91
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG22	15	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG23	15	0.91
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD21	5	0.91
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD22	5	0.91
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD23	5	0.91
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD21	6	0.91
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD22	6	0.91
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD23	6	0.91
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB2	12	0.91
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB3	12	0.91
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	11	0.91
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	11	0.91
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	11	0.91
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	11	0.91
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	11	0.91
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	11	0.91
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	11	0.91
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	11	0.91
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	11	0.91
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	11	0.91
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	11	0.91
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	11	0.91
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD11	11	0.91
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD12	11	0.91
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD13	11	0.91
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD21	11	0.91
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD22	11	0.91
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD23	11	0.91
(1,2702)	1:57:A:GLN:H	1:54:A:LEU:HA	4	0.91
(1,2672)	1:49:A:GLU:H	1:51:A:THR:HA	14	0.91
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG21	15	0.91
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG22	15	0.91
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG23	15	0.91
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD21	5	0.91
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD22	5	0.91
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD23	5	0.91
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD21	6	0.91
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD22	6	0.91
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD23	6	0.91
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB2	12	0.91
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB3	12	0.91
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	11	0.91
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	11	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	11	0.91
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	11	0.91
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	11	0.91
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	11	0.91
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	11	0.91
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	11	0.91
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	11	0.91
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	11	0.91
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	11	0.91
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	11	0.91
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD11	11	0.91
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD12	11	0.91
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD13	11	0.91
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD21	11	0.91
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD22	11	0.91
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD23	11	0.91
(1,2578)	1:57:A:GLN:H	1:54:A:LEU:HA	4	0.91
(1,2548)	1:49:A:GLU:H	1:51:A:THR:HA	14	0.91
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG21	15	0.91
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG22	15	0.91
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG23	15	0.91
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD21	5	0.91
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD22	5	0.91
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD23	5	0.91
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD21	6	0.91
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD22	6	0.91
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD23	6	0.91
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB2	12	0.91
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB3	12	0.91
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	11	0.91
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	11	0.91
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	11	0.91
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	11	0.91
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	11	0.91
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	11	0.91
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	11	0.91
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	11	0.91
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	11	0.91
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	11	0.91
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	11	0.91
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	11	0.91
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD11	11	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD12	11	0.91
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD13	11	0.91
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD21	11	0.91
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD22	11	0.91
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD23	11	0.91
(1,2454)	1:57:A:GLN:H	1:54:A:LEU:HA	4	0.91
(1,2424)	1:49:A:GLU:H	1:51:A:THR:HA	14	0.91
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG21	15	0.91
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG22	15	0.91
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG23	15	0.91
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD21	5	0.91
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD22	5	0.91
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD23	5	0.91
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD21	6	0.91
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD22	6	0.91
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD23	6	0.91
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB2	12	0.91
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB3	12	0.91
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	11	0.91
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	11	0.91
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	11	0.91
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	11	0.91
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	11	0.91
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	11	0.91
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	11	0.91
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	11	0.91
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	11	0.91
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	11	0.91
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	11	0.91
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	11	0.91
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD11	11	0.91
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD12	11	0.91
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD13	11	0.91
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD21	11	0.91
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD22	11	0.91
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD23	11	0.91
(1,2330)	1:57:A:GLN:H	1:54:A:LEU:HA	4	0.91
(1,2300)	1:49:A:GLU:H	1:51:A:THR:HA	14	0.91
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG21	15	0.91
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG22	15	0.91
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG23	15	0.91
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD21	5	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD22	5	0.91
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD23	5	0.91
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD21	6	0.91
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD22	6	0.91
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD23	6	0.91
(1,2245)	1:103:A:GLU:H	1:102:A:LEU:HB2	15	0.91
(1,2240)	1:103:A:GLU:H	1:102:A:LEU:HA	13	0.91
(1,2240)	1:103:A:GLU:H	1:102:A:LEU:HA	15	0.91
(1,2225)	1:101:A:PRO:HD2	1:98:A:ALA:H	8	0.91
(1,2225)	1:101:A:PRO:HD3	1:98:A:ALA:H	8	0.91
(1,2216)	1:98:A:ALA:HA	1:100:A:ASP:H	9	0.91
(1,2184)	1:96:A:TYR:H	1:95:A:SER:HA	2	0.91
(1,2184)	1:96:A:TYR:H	1:95:A:SER:HA	6	0.91
(1,2169)	1:94:A:ARG:H	1:93:A:LYS:HG2	6	0.91
(1,2099)	1:84:A:GLU:H	1:83:A:ASP:HB3	6	0.91
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG21	3	0.91
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG22	3	0.91
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG23	3	0.91
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG21	13	0.91
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG22	13	0.91
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG23	13	0.91
(1,2007)	1:75:A:THR:H	1:71:A:LEU:HA	2	0.91
(1,2007)	1:75:A:THR:H	1:71:A:LEU:HA	7	0.91
(1,1960)	1:69:A:ALA:HA	1:72:A:THR:H	4	0.91
(1,1960)	1:69:A:ALA:HA	1:72:A:THR:H	14	0.91
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE2	3	0.91
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE3	3	0.91
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE2	8	0.91
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE3	8	0.91
(1,1945)	1:67:A:GLU:HG2	1:66:A:VAL:H	7	0.91
(1,1945)	1:67:A:GLU:HG3	1:66:A:VAL:H	7	0.91
(1,1945)	1:67:A:GLU:HG2	1:66:A:VAL:H	11	0.91
(1,1945)	1:67:A:GLU:HG3	1:66:A:VAL:H	11	0.91
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG21	13	0.91
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG22	13	0.91
(1,1943)	1:67:A:GLU:HA	1:66:A:VAL:HG23	13	0.91
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD11	7	0.91
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD12	7	0.91
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD13	7	0.91
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD21	7	0.91
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD22	7	0.91
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD23	7	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB1	10	0.91
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB2	10	0.91
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB3	10	0.91
(1,1936)	1:66:A:VAL:HA	1:69:A:ALA:H	1	0.91
(1,1936)	1:66:A:VAL:HA	1:69:A:ALA:H	12	0.91
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE2	2	0.91
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE3	2	0.91
(1,1917)	1:65:A:LYS:HB2	1:62:A:SER:HA	10	0.91
(1,1917)	1:65:A:LYS:HB3	1:62:A:SER:HA	10	0.91
(1,1899)	1:63:A:LEU:HB2	1:62:A:SER:HB2	8	0.91
(1,1897)	1:63:A:LEU:HG	1:60:A:GLN:HA	4	0.91
(1,1885)	1:61:A:ASP:H	1:62:A:SER:HB3	11	0.91
(1,1869)	1:60:A:GLN:HE22	1:56:A:LEU:HB2	14	0.91
(1,1846)	1:51:A:THR:HA	1:53:A:GLU:H	1	0.91
(1,1846)	1:51:A:THR:HA	1:53:A:GLU:H	9	0.91
(1,1845)	1:51:A:THR:HB	1:52:A:GLN:H	10	0.91
(1,1842)	1:51:A:THR:HA	1:52:A:GLN:H	15	0.91
(1,1829)	1:47:A:GLN:HB2	1:48:A:ASN:H	7	0.91
(1,1829)	1:47:A:GLN:HB3	1:48:A:ASN:H	7	0.91
(1,1786)	1:42:A:LEU:H	1:41:A:SER:HB2	14	0.91
(1,1786)	1:42:A:LEU:H	1:41:A:SER:HB3	14	0.91
(1,1759)	1:35:A:TRP:HA	1:38:A:ALA:H	7	0.91
(1,1759)	1:35:A:TRP:HA	1:38:A:ALA:H	12	0.91
(1,1759)	1:35:A:TRP:HA	1:38:A:ALA:H	14	0.91
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB1	2	0.91
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB2	2	0.91
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB3	2	0.91
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB1	7	0.91
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB2	7	0.91
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB3	7	0.91
(1,1710)	1:24:A:ARG:H	1:23:A:GLN:HB2	2	0.91
(1,1710)	1:24:A:ARG:H	1:23:A:GLN:HB3	2	0.91
(1,1670)	1:15:A:ILE:HA	1:18:A:VAL:HB	2	0.91
(1,1670)	1:15:A:ILE:HA	1:18:A:VAL:HB	4	0.91
(1,1670)	1:15:A:ILE:HA	1:18:A:VAL:HB	5	0.91
(1,1670)	1:15:A:ILE:HA	1:18:A:VAL:HB	6	0.91
(1,1670)	1:15:A:ILE:HA	1:18:A:VAL:HB	7	0.91
(1,1670)	1:15:A:ILE:HA	1:18:A:VAL:HB	14	0.91
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD11	5	0.91
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD12	5	0.91
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD13	5	0.91
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD11	6	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD12	6	0.91
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD13	6	0.91
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD21	9	0.91
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD22	9	0.91
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD23	9	0.91
(1,1630)	1:12:A:VAL:HB	1:9:A:LEU:HA	5	0.91
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD1	2	0.91
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD2	2	0.91
(1,1598)	1:6:A:PHE:HD1	1:9:A:LEU:HB3	5	0.91
(1,1598)	1:6:A:PHE:HD2	1:9:A:LEU:HB3	5	0.91
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG11	11	0.91
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG12	11	0.91
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG13	11	0.91
(1,1528)	1:96:A:TYR:H	1:94:A:ARG:HA	13	0.91
(1,1528)	1:96:A:TYR:H	1:94:A:ARG:HA	14	0.91
(1,1528)	1:96:A:TYR:H	1:94:A:ARG:HA	15	0.91
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB2	14	0.91
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB3	14	0.91
(1,1361)	1:35:A:TRP:HH2	1:36:A:ILE:HA	5	0.91
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG21	1	0.91
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG22	1	0.91
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG23	1	0.91
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB1	11	0.91
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB2	11	0.91
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB3	11	0.91
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG11	12	0.91
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG12	12	0.91
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG13	12	0.91
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD11	13	0.91
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD12	13	0.91
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD13	13	0.91
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD21	13	0.91
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD22	13	0.91
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD23	13	0.91
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD11	1	0.91
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD12	1	0.91
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD13	1	0.91
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD21	1	0.91
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD22	1	0.91
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD23	1	0.91
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD11	11	0.91
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD12	11	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD13	11	0.91
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD21	11	0.91
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD22	11	0.91
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD23	11	0.91
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD11	5	0.91
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD12	5	0.91
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD13	5	0.91
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD11	6	0.91
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD12	6	0.91
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD13	6	0.91
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG12	11	0.91
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG13	11	0.91
(1,932)	1:9:A:LEU:HD11	1:13:A:PHE:HE1	3	0.91
(1,932)	1:9:A:LEU:HD11	1:13:A:PHE:HE2	3	0.91
(1,932)	1:9:A:LEU:HD12	1:13:A:PHE:HE1	3	0.91
(1,932)	1:9:A:LEU:HD12	1:13:A:PHE:HE2	3	0.91
(1,932)	1:9:A:LEU:HD13	1:13:A:PHE:HE1	3	0.91
(1,932)	1:9:A:LEU:HD13	1:13:A:PHE:HE2	3	0.91
(1,932)	1:9:A:LEU:HD21	1:13:A:PHE:HE1	3	0.91
(1,932)	1:9:A:LEU:HD21	1:13:A:PHE:HE2	3	0.91
(1,932)	1:9:A:LEU:HD22	1:13:A:PHE:HE1	3	0.91
(1,932)	1:9:A:LEU:HD22	1:13:A:PHE:HE2	3	0.91
(1,932)	1:9:A:LEU:HD23	1:13:A:PHE:HE1	3	0.91
(1,932)	1:9:A:LEU:HD23	1:13:A:PHE:HE2	3	0.91
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	15	0.9
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	15	0.9
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	15	0.9
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	15	0.9
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	15	0.9
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	15	0.9
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	15	0.9
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	15	0.9
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	15	0.9
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD11	6	0.9
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD12	6	0.9
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD13	6	0.9
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD21	6	0.9
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD22	6	0.9
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD23	6	0.9
(1,2818)	1:55:A:LYS:HG2	1:54:A:LEU:H	6	0.9
(1,2818)	1:55:A:LYS:HG3	1:54:A:LEU:H	6	0.9
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD21	10	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD22	10	0.9
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD23	10	0.9
(1,2802)	1:50:A:LEU:H	1:53:A:GLU:H	7	0.9
(1,2794)	1:49:A:GLU:HA	1:47:A:GLN:H	9	0.9
(1,2793)	1:49:A:GLU:H	1:44:A:THR:HA	8	0.9
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD21	1	0.9
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD22	1	0.9
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD23	1	0.9
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD21	8	0.9
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD22	8	0.9
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD23	8	0.9
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD21	9	0.9
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD22	9	0.9
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD23	9	0.9
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG2	4	0.9
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG3	4	0.9
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG2	4	0.9
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG3	4	0.9
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG2	4	0.9
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG3	4	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD21	1	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD22	1	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD23	1	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD21	3	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD22	3	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD23	3	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD21	4	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD22	4	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD23	4	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD21	7	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD22	7	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD23	7	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD21	8	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD22	8	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD23	8	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD21	9	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD22	9	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD23	9	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD21	10	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD22	10	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD23	10	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD21	14	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD22	14	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD23	14	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD21	15	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD22	15	0.9
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD23	15	0.9
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	15	0.9
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	15	0.9
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	15	0.9
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	15	0.9
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	15	0.9
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	15	0.9
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	15	0.9
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	15	0.9
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	15	0.9
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD11	6	0.9
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD12	6	0.9
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD13	6	0.9
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD21	6	0.9
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD22	6	0.9
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD23	6	0.9
(1,2694)	1:55:A:LYS:HG2	1:54:A:LEU:H	6	0.9
(1,2694)	1:55:A:LYS:HG3	1:54:A:LEU:H	6	0.9
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD21	10	0.9
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD22	10	0.9
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD23	10	0.9
(1,2678)	1:50:A:LEU:H	1:53:A:GLU:H	7	0.9
(1,2670)	1:49:A:GLU:HA	1:47:A:GLN:H	9	0.9
(1,2669)	1:49:A:GLU:H	1:44:A:THR:HA	8	0.9
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD21	1	0.9
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD22	1	0.9
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD23	1	0.9
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD21	8	0.9
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD22	8	0.9
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD23	8	0.9
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD21	9	0.9
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD22	9	0.9
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD23	9	0.9
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG2	4	0.9
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG3	4	0.9
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG2	4	0.9
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG3	4	0.9
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG2	4	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG3	4	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD21	1	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD22	1	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD23	1	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD21	3	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD22	3	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD23	3	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD21	4	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD22	4	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD23	4	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD21	7	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD22	7	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD23	7	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD21	8	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD22	8	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD23	8	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD21	9	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD22	9	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD23	9	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD21	10	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD22	10	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD23	10	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD21	14	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD22	14	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD23	14	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD21	15	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD22	15	0.9
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD23	15	0.9
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	15	0.9
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	15	0.9
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	15	0.9
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	15	0.9
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	15	0.9
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	15	0.9
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	15	0.9
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	15	0.9
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	15	0.9
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD11	6	0.9
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD12	6	0.9
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD13	6	0.9
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD21	6	0.9
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD22	6	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD23	6	0.9
(1,2570)	1:55:A:LYS:HG2	1:54:A:LEU:H	6	0.9
(1,2570)	1:55:A:LYS:HG3	1:54:A:LEU:H	6	0.9
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD21	10	0.9
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD22	10	0.9
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD23	10	0.9
(1,2554)	1:50:A:LEU:H	1:53:A:GLU:H	7	0.9
(1,2546)	1:49:A:GLU:HA	1:47:A:GLN:H	9	0.9
(1,2545)	1:49:A:GLU:H	1:44:A:THR:HA	8	0.9
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD21	1	0.9
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD22	1	0.9
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD23	1	0.9
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD21	8	0.9
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD22	8	0.9
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD23	8	0.9
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD21	9	0.9
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD22	9	0.9
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD23	9	0.9
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG2	4	0.9
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG3	4	0.9
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG2	4	0.9
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG3	4	0.9
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG2	4	0.9
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG3	4	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD21	1	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD22	1	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD23	1	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD21	3	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD22	3	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD23	3	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD21	4	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD22	4	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD23	4	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD21	7	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD22	7	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD23	7	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD21	8	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD22	8	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD23	8	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD21	9	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD22	9	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD23	9	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD21	10	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD22	10	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD23	10	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD21	14	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD22	14	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD23	14	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD21	15	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD22	15	0.9
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD23	15	0.9
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	15	0.9
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	15	0.9
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	15	0.9
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	15	0.9
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	15	0.9
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	15	0.9
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	15	0.9
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	15	0.9
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	15	0.9
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD11	6	0.9
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD12	6	0.9
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD13	6	0.9
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD21	6	0.9
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD22	6	0.9
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD23	6	0.9
(1,2446)	1:55:A:LYS:HG2	1:54:A:LEU:H	6	0.9
(1,2446)	1:55:A:LYS:HG3	1:54:A:LEU:H	6	0.9
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD21	10	0.9
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD22	10	0.9
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD23	10	0.9
(1,2430)	1:50:A:LEU:H	1:53:A:GLU:H	7	0.9
(1,2422)	1:49:A:GLU:HA	1:47:A:GLN:H	9	0.9
(1,2421)	1:49:A:GLU:H	1:44:A:THR:HA	8	0.9
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD21	1	0.9
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD22	1	0.9
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD23	1	0.9
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD21	8	0.9
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD22	8	0.9
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD23	8	0.9
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD21	9	0.9
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD22	9	0.9
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD23	9	0.9
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG2	4	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG3	4	0.9
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG2	4	0.9
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG3	4	0.9
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG2	4	0.9
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG3	4	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD21	1	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD22	1	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD23	1	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD21	3	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD22	3	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD23	3	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD21	4	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD22	4	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD23	4	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD21	7	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD22	7	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD23	7	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD21	8	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD22	8	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD23	8	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD21	9	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD22	9	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD23	9	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD21	10	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD22	10	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD23	10	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD21	14	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD22	14	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD23	14	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD21	15	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD22	15	0.9
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD23	15	0.9
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	15	0.9
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	15	0.9
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	15	0.9
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	15	0.9
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	15	0.9
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	15	0.9
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	15	0.9
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	15	0.9
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	15	0.9
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD11	6	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD12	6	0.9
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD13	6	0.9
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD21	6	0.9
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD22	6	0.9
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD23	6	0.9
(1,2322)	1:55:A:LYS:HG2	1:54:A:LEU:H	6	0.9
(1,2322)	1:55:A:LYS:HG3	1:54:A:LEU:H	6	0.9
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD21	10	0.9
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD22	10	0.9
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD23	10	0.9
(1,2306)	1:50:A:LEU:H	1:53:A:GLU:H	7	0.9
(1,2298)	1:49:A:GLU:HA	1:47:A:GLN:H	9	0.9
(1,2297)	1:49:A:GLU:H	1:44:A:THR:HA	8	0.9
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD21	1	0.9
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD22	1	0.9
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD23	1	0.9
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD21	8	0.9
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD22	8	0.9
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD23	8	0.9
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD21	9	0.9
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD22	9	0.9
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD23	9	0.9
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG2	4	0.9
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG3	4	0.9
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG2	4	0.9
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG3	4	0.9
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG2	4	0.9
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG3	4	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD21	1	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD22	1	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD23	1	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD21	3	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD22	3	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD23	3	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD21	4	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD22	4	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD23	4	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD21	7	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD22	7	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD23	7	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD21	8	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD22	8	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD23	8	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD21	9	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD22	9	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD23	9	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD21	10	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD22	10	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD23	10	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD21	14	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD22	14	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD23	14	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD21	15	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD22	15	0.9
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD23	15	0.9
(1,2245)	1:103:A:GLU:H	1:102:A:LEU:HB2	13	0.9
(1,2243)	1:103:A:GLU:H	1:102:A:LEU:HB3	15	0.9
(1,2212)	1:98:A:ALA:HA	1:97:A:VAL:HB	10	0.9
(1,2184)	1:96:A:TYR:H	1:95:A:SER:HA	7	0.9
(1,2164)	1:93:A:LYS:HG3	1:97:A:VAL:HB	6	0.9
(1,2158)	1:93:A:LYS:HB2	1:90:A:GLU:HA	11	0.9
(1,2158)	1:93:A:LYS:HB3	1:90:A:GLU:HA	11	0.9
(1,1960)	1:69:A:ALA:HA	1:72:A:THR:H	3	0.9
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD11	11	0.9
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD12	11	0.9
(1,1940)	1:67:A:GLU:HG3	1:63:A:LEU:HD13	11	0.9
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD21	11	0.9
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD22	11	0.9
(1,1940)	1:67:A:GLU:HG2	1:63:A:LEU:HD23	11	0.9
(1,1936)	1:66:A:VAL:HA	1:69:A:ALA:H	6	0.9
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG2	8	0.9
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG3	8	0.9
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD2	8	0.9
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD3	8	0.9
(1,1887)	1:61:A:ASP:HA	1:64:A:LYS:H	10	0.9
(1,1885)	1:61:A:ASP:H	1:62:A:SER:HB3	13	0.9
(1,1882)	1:61:A:ASP:H	1:60:A:GLN:HB2	2	0.9
(1,1865)	1:55:A:LYS:HG2	1:56:A:LEU:H	11	0.9
(1,1865)	1:55:A:LYS:HG3	1:56:A:LEU:H	11	0.9
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG21	4	0.9
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG22	4	0.9
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG23	4	0.9
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG21	4	0.9
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG22	4	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG23	4	0.9
(1,1846)	1:51:A:THR:HA	1:53:A:GLU:H	8	0.9
(1,1846)	1:51:A:THR:HA	1:53:A:GLU:H	14	0.9
(1,1845)	1:51:A:THR:HB	1:52:A:GLN:H	15	0.9
(1,1770)	1:38:A:ALA:H	1:34:A:GLY:HA2	1	0.9
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB1	11	0.9
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB2	11	0.9
(1,1753)	1:34:A:GLY:H	1:33:A:ALA:HB3	11	0.9
(1,1722)	1:27:A:VAL:H	1:26:A:PRO:HG3	1	0.9
(1,1722)	1:27:A:VAL:H	1:26:A:PRO:HG3	12	0.9
(1,1670)	1:15:A:ILE:HA	1:18:A:VAL:HB	3	0.9
(1,1670)	1:15:A:ILE:HA	1:18:A:VAL:HB	8	0.9
(1,1670)	1:15:A:ILE:HA	1:18:A:VAL:HB	15	0.9
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD21	6	0.9
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD22	6	0.9
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD23	6	0.9
(1,1644)	1:13:A:PHE:HA	1:16:A:GLY:H	15	0.9
(1,1605)	1:8:A:GLU:HB2	1:4:A:ILE:HB	13	0.9
(1,1564)	1:3:A:ASP:HB2	1:4:A:ILE:HA	3	0.9
(1,1564)	1:3:A:ASP:HB2	1:4:A:ILE:HA	9	0.9
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE1	11	0.9
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE2	11	0.9
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE3	11	0.9
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE1	11	0.9
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE2	11	0.9
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE3	11	0.9
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD11	10	0.9
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD12	10	0.9
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD13	10	0.9
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD11	10	0.9
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD12	10	0.9
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD13	10	0.9
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD11	10	0.9
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD12	10	0.9
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD13	10	0.9
(1,1528)	1:96:A:TYR:H	1:94:A:ARG:HA	1	0.9
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB1	15	0.9
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB2	15	0.9
(1,1463)	1:70:A:SER:H	1:69:A:ALA:HB3	15	0.9
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD11	5	0.9
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD12	5	0.9
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD13	5	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD21	5	0.9
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD22	5	0.9
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD23	5	0.9
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB3	12	0.9
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB3	12	0.9
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB3	12	0.9
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB3	12	0.9
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB3	12	0.9
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB3	12	0.9
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB2	12	0.9
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB2	12	0.9
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB2	12	0.9
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB2	12	0.9
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB2	12	0.9
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB2	12	0.9
(1,1361)	1:35:A:TRP:HH2	1:36:A:ILE:HA	2	0.9
(1,1361)	1:35:A:TRP:HH2	1:36:A:ILE:HA	7	0.9
(1,1361)	1:35:A:TRP:HH2	1:36:A:ILE:HA	8	0.9
(1,1361)	1:35:A:TRP:HH2	1:36:A:ILE:HA	10	0.9
(1,1361)	1:35:A:TRP:HH2	1:36:A:ILE:HA	13	0.9
(1,1323)	1:26:A:PRO:HB2	1:30:A:LYS:HG2	5	0.9
(1,1323)	1:26:A:PRO:HB3	1:30:A:LYS:HG2	5	0.9
(1,1323)	1:26:A:PRO:HB2	1:30:A:LYS:HG2	8	0.9
(1,1323)	1:26:A:PRO:HB3	1:30:A:LYS:HG2	8	0.9
(1,1323)	1:26:A:PRO:HB2	1:30:A:LYS:HG2	14	0.9
(1,1323)	1:26:A:PRO:HB3	1:30:A:LYS:HG2	14	0.9
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD11	9	0.9
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD12	9	0.9
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD13	9	0.9
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD21	9	0.9
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD22	9	0.9
(1,1309)	1:20:A:LEU:H	1:17:A:LEU:HD23	9	0.9
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD11	2	0.9
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD12	2	0.9
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD13	2	0.9
(1,865)	1:103:A:GLU:HB2	1:102:A:LEU:HG	9	0.9
(1,865)	1:103:A:GLU:HB3	1:102:A:LEU:HG	9	0.9
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD11	15	0.89
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD12	15	0.89
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD13	15	0.89
(1,2818)	1:55:A:LYS:HG2	1:54:A:LEU:H	15	0.89
(1,2818)	1:55:A:LYS:HG3	1:54:A:LEU:H	15	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB2	7	0.89
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB3	7	0.89
(1,2802)	1:50:A:LEU:H	1:53:A:GLU:H	6	0.89
(1,2802)	1:50:A:LEU:H	1:53:A:GLU:H	11	0.89
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG2	11	0.89
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG3	11	0.89
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD21	13	0.89
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD22	13	0.89
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD23	13	0.89
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD11	15	0.89
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD12	15	0.89
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD13	15	0.89
(1,2694)	1:55:A:LYS:HG2	1:54:A:LEU:H	15	0.89
(1,2694)	1:55:A:LYS:HG3	1:54:A:LEU:H	15	0.89
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB2	7	0.89
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB3	7	0.89
(1,2678)	1:50:A:LEU:H	1:53:A:GLU:H	6	0.89
(1,2678)	1:50:A:LEU:H	1:53:A:GLU:H	11	0.89
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG2	11	0.89
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG3	11	0.89
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD21	13	0.89
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD22	13	0.89
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD23	13	0.89
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD11	15	0.89
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD12	15	0.89
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD13	15	0.89
(1,2570)	1:55:A:LYS:HG2	1:54:A:LEU:H	15	0.89
(1,2570)	1:55:A:LYS:HG3	1:54:A:LEU:H	15	0.89
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB2	7	0.89
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB3	7	0.89
(1,2554)	1:50:A:LEU:H	1:53:A:GLU:H	6	0.89
(1,2554)	1:50:A:LEU:H	1:53:A:GLU:H	11	0.89
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG2	11	0.89
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG3	11	0.89
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD21	13	0.89
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD22	13	0.89
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD23	13	0.89
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD11	15	0.89
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD12	15	0.89
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD13	15	0.89
(1,2446)	1:55:A:LYS:HG2	1:54:A:LEU:H	15	0.89
(1,2446)	1:55:A:LYS:HG3	1:54:A:LEU:H	15	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB2	7	0.89
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB3	7	0.89
(1,2430)	1:50:A:LEU:H	1:53:A:GLU:H	6	0.89
(1,2430)	1:50:A:LEU:H	1:53:A:GLU:H	11	0.89
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG2	11	0.89
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG3	11	0.89
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD21	13	0.89
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD22	13	0.89
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD23	13	0.89
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD11	15	0.89
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD12	15	0.89
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD13	15	0.89
(1,2322)	1:55:A:LYS:HG2	1:54:A:LEU:H	15	0.89
(1,2322)	1:55:A:LYS:HG3	1:54:A:LEU:H	15	0.89
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB2	7	0.89
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB3	7	0.89
(1,2306)	1:50:A:LEU:H	1:53:A:GLU:H	6	0.89
(1,2306)	1:50:A:LEU:H	1:53:A:GLU:H	11	0.89
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG2	11	0.89
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG3	11	0.89
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD21	13	0.89
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD22	13	0.89
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD23	13	0.89
(1,2243)	1:103:A:GLU:H	1:102:A:LEU:HB3	13	0.89
(1,2240)	1:103:A:GLU:H	1:102:A:LEU:HA	12	0.89
(1,2216)	1:98:A:ALA:HA	1:100:A:ASP:H	8	0.89
(1,2215)	1:98:A:ALA:H	1:99:A:ASN:HA	7	0.89
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB2	13	0.89
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB3	13	0.89
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB2	15	0.89
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB3	15	0.89
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE1	7	0.89
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE2	7	0.89
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE3	7	0.89
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG3	6	0.89
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG2	6	0.89
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG3	9	0.89
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG2	9	0.89
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG3	13	0.89
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG2	13	0.89
(1,2106)	1:84:A:GLU:HA	1:87:A:GLN:HE21	4	0.89
(1,2099)	1:84:A:GLU:H	1:83:A:ASP:HB3	13	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB1	12	0.89
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB2	12	0.89
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB3	12	0.89
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD21	13	0.89
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD22	13	0.89
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD23	13	0.89
(1,1960)	1:69:A:ALA:HA	1:72:A:THR:H	13	0.89
(1,1957)	1:68:A:LYS:HA	1:71:A:LEU:H	9	0.89
(1,1945)	1:67:A:GLU:HG2	1:66:A:VAL:H	12	0.89
(1,1945)	1:67:A:GLU:HG3	1:66:A:VAL:H	12	0.89
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD11	14	0.89
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD12	14	0.89
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD13	14	0.89
(1,1869)	1:60:A:GLN:HE22	1:56:A:LEU:HB2	8	0.89
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG21	8	0.89
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG22	8	0.89
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG23	8	0.89
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG21	5	0.89
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG22	5	0.89
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG23	5	0.89
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG21	5	0.89
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG22	5	0.89
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG23	5	0.89
(1,1834)	1:48:A:ASN:HB3	1:49:A:GLU:H	10	0.89
(1,1834)	1:48:A:ASN:HB2	1:49:A:GLU:H	10	0.89
(1,1827)	1:47:A:GLN:HA	1:46:A:VAL:HB	12	0.89
(1,1815)	1:45:A:THR:HA	1:48:A:ASN:H	14	0.89
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG21	8	0.89
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG22	8	0.89
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG23	8	0.89
(1,1770)	1:38:A:ALA:H	1:34:A:GLY:HA2	2	0.89
(1,1770)	1:38:A:ALA:H	1:34:A:GLY:HA2	11	0.89
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA2	6	0.89
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA3	6	0.89
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA2	6	0.89
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA3	6	0.89
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA2	7	0.89
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA3	7	0.89
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA2	7	0.89
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA3	7	0.89
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD21	5	0.89
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD22	5	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD23	5	0.89
(1,1630)	1:12:A:VAL:HB	1:9:A:LEU:HA	12	0.89
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG21	15	0.89
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG22	15	0.89
(1,1617)	1:9:A:LEU:HB2	1:4:A:ILE:HG23	15	0.89
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG21	11	0.89
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG22	11	0.89
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG23	11	0.89
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG21	11	0.89
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG22	11	0.89
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG23	11	0.89
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD11	13	0.89
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD12	13	0.89
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD13	13	0.89
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD11	13	0.89
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD12	13	0.89
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD13	13	0.89
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD11	13	0.89
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD12	13	0.89
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD13	13	0.89
(1,1528)	1:96:A:TYR:H	1:94:A:ARG:HA	12	0.89
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD11	7	0.89
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD12	7	0.89
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD13	7	0.89
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD21	7	0.89
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD22	7	0.89
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD23	7	0.89
(1,1477)	1:75:A:THR:H	1:74:A:LEU:HG	9	0.89
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG21	11	0.89
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG22	11	0.89
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG23	11	0.89
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB3	8	0.89
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB3	8	0.89
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB3	8	0.89
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB3	8	0.89
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB3	8	0.89
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB3	8	0.89
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB2	8	0.89
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB2	8	0.89
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB2	8	0.89
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB2	8	0.89
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB2	8	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB2	8	0.89
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB1	6	0.89
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB2	6	0.89
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB3	6	0.89
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB1	6	0.89
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB2	6	0.89
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB3	6	0.89
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB1	15	0.89
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB2	15	0.89
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB3	15	0.89
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB1	15	0.89
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB2	15	0.89
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB3	15	0.89
(1,1361)	1:35:A:TRP:HH2	1:36:A:ILE:HA	1	0.89
(1,1361)	1:35:A:TRP:HH2	1:36:A:ILE:HA	12	0.89
(1,1361)	1:35:A:TRP:HH2	1:36:A:ILE:HA	14	0.89
(1,1361)	1:35:A:TRP:HH2	1:36:A:ILE:HA	15	0.89
(1,1323)	1:26:A:PRO:HB2	1:30:A:LYS:HG2	2	0.89
(1,1323)	1:26:A:PRO:HB3	1:30:A:LYS:HG2	2	0.89
(1,1323)	1:26:A:PRO:HB2	1:30:A:LYS:HG2	7	0.89
(1,1323)	1:26:A:PRO:HB3	1:30:A:LYS:HG2	7	0.89
(1,1323)	1:26:A:PRO:HB2	1:30:A:LYS:HG2	9	0.89
(1,1323)	1:26:A:PRO:HB3	1:30:A:LYS:HG2	9	0.89
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD11	1	0.89
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD12	1	0.89
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD13	1	0.89
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD11	4	0.89
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD12	4	0.89
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD13	4	0.89
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD11	7	0.89
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD12	7	0.89
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD13	7	0.89
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD11	10	0.89
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD12	10	0.89
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD13	10	0.89
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD11	15	0.89
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD12	15	0.89
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD13	15	0.89
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG21	13	0.89
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG22	13	0.89
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG23	13	0.89
(1,1251)	1:9:A:LEU:HD11	1:11:A:LEU:H	13	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1251)	1:9:A:LEU:HD12	1:11:A:LEU:H	13	0.89
(1,1251)	1:9:A:LEU:HD13	1:11:A:LEU:H	13	0.89
(1,1251)	1:9:A:LEU:HD21	1:11:A:LEU:H	13	0.89
(1,1251)	1:9:A:LEU:HD22	1:11:A:LEU:H	13	0.89
(1,1251)	1:9:A:LEU:HD23	1:11:A:LEU:H	13	0.89
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	12	0.88
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	12	0.88
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	12	0.88
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	12	0.88
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	12	0.88
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	12	0.88
(1,2794)	1:49:A:GLU:HA	1:47:A:GLN:H	10	0.88
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG2	1	0.88
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG3	1	0.88
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG2	1	0.88
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG3	1	0.88
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG2	1	0.88
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG3	1	0.88
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG2	14	0.88
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG3	14	0.88
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG2	14	0.88
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG3	14	0.88
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG2	14	0.88
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG3	14	0.88
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD21	12	0.88
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD22	12	0.88
(1,2772)	1:25:A:LEU:H	1:20:A:LEU:HD23	12	0.88
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	2	0.88
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	2	0.88
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	2	0.88
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	12	0.88
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	12	0.88
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	12	0.88
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	12	0.88
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	12	0.88
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	12	0.88
(1,2670)	1:49:A:GLU:HA	1:47:A:GLN:H	10	0.88
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG2	1	0.88
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG3	1	0.88
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG2	1	0.88
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG3	1	0.88
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG2	1	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG3	1	0.88
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG2	14	0.88
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG3	14	0.88
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG2	14	0.88
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG3	14	0.88
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG2	14	0.88
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG3	14	0.88
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD21	12	0.88
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD22	12	0.88
(1,2648)	1:25:A:LEU:H	1:20:A:LEU:HD23	12	0.88
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	2	0.88
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	2	0.88
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	2	0.88
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	12	0.88
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	12	0.88
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	12	0.88
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	12	0.88
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	12	0.88
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	12	0.88
(1,2546)	1:49:A:GLU:HA	1:47:A:GLN:H	10	0.88
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG2	1	0.88
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG3	1	0.88
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG2	1	0.88
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG3	1	0.88
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG2	1	0.88
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG3	1	0.88
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG2	14	0.88
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG3	14	0.88
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG2	14	0.88
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG3	14	0.88
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG2	14	0.88
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG3	14	0.88
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD21	12	0.88
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD22	12	0.88
(1,2524)	1:25:A:LEU:H	1:20:A:LEU:HD23	12	0.88
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	2	0.88
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	2	0.88
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	2	0.88
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	12	0.88
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	12	0.88
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	12	0.88
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	12	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	12	0.88
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	12	0.88
(1,2422)	1:49:A:GLU:HA	1:47:A:GLN:H	10	0.88
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG2	1	0.88
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG3	1	0.88
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG2	1	0.88
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG3	1	0.88
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG2	1	0.88
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG3	1	0.88
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG2	14	0.88
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG3	14	0.88
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG2	14	0.88
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG3	14	0.88
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG2	14	0.88
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG3	14	0.88
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD21	12	0.88
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD22	12	0.88
(1,2400)	1:25:A:LEU:H	1:20:A:LEU:HD23	12	0.88
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	2	0.88
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	2	0.88
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	2	0.88
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	12	0.88
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	12	0.88
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	12	0.88
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	12	0.88
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	12	0.88
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	12	0.88
(1,2298)	1:49:A:GLU:HA	1:47:A:GLN:H	10	0.88
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG2	1	0.88
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG3	1	0.88
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG2	1	0.88
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG3	1	0.88
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG2	1	0.88
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG3	1	0.88
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG2	14	0.88
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG3	14	0.88
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG2	14	0.88
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG3	14	0.88
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG2	14	0.88
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG3	14	0.88
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD21	12	0.88
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD22	12	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2276)	1:25:A:LEU:H	1:20:A:LEU:HD23	12	0.88
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	2	0.88
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	2	0.88
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	2	0.88
(1,2241)	1:103:A:GLU:HB2	1:102:A:LEU:HG	4	0.88
(1,2241)	1:103:A:GLU:HB3	1:102:A:LEU:HG	4	0.88
(1,2232)	1:101:A:PRO:HA	1:102:A:LEU:HG	3	0.88
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB1	2	0.88
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB2	2	0.88
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB3	2	0.88
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB1	2	0.88
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB2	2	0.88
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB3	2	0.88
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB1	3	0.88
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB2	3	0.88
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB3	3	0.88
(1,2197)	1:96:A:TYR:HA	1:100:A:ASP:H	5	0.88
(1,2169)	1:94:A:ARG:H	1:93:A:LYS:HG2	7	0.88
(1,2151)	1:91:A:SER:HB2	1:92:A:MET:HG3	4	0.88
(1,2151)	1:91:A:SER:HB3	1:92:A:MET:HG3	4	0.88
(1,2130)	1:87:A:GLN:HG2	1:86:A:ARG:H	1	0.88
(1,2130)	1:87:A:GLN:HG3	1:86:A:ARG:H	1	0.88
(1,2130)	1:87:A:GLN:HG2	1:86:A:ARG:H	6	0.88
(1,2130)	1:87:A:GLN:HG3	1:86:A:ARG:H	6	0.88
(1,2130)	1:87:A:GLN:HG2	1:86:A:ARG:H	9	0.88
(1,2130)	1:87:A:GLN:HG3	1:86:A:ARG:H	9	0.88
(1,2127)	1:87:A:GLN:HE21	1:83:A:ASP:HB3	13	0.88
(1,2116)	1:86:A:ARG:HB3	1:83:A:ASP:HA	12	0.88
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG3	1	0.88
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG2	1	0.88
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG3	2	0.88
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG2	2	0.88
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG3	3	0.88
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG2	3	0.88
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG3	4	0.88
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG2	4	0.88
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG3	5	0.88
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG2	5	0.88
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG3	10	0.88
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG2	10	0.88
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG3	15	0.88
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG2	15	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2099)	1:84:A:GLU:H	1:83:A:ASP:HB3	8	0.88
(1,2099)	1:84:A:GLU:H	1:83:A:ASP:HB3	9	0.88
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD11	8	0.88
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD12	8	0.88
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD13	8	0.88
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG2	1	0.88
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG3	1	0.88
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG21	2	0.88
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG22	2	0.88
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG23	2	0.88
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG21	7	0.88
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG22	7	0.88
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG23	7	0.88
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG21	12	0.88
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG22	12	0.88
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG23	12	0.88
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG21	15	0.88
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG22	15	0.88
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG23	15	0.88
(1,1986)	1:73:A:ASN:H	1:72:A:THR:HB	5	0.88
(1,1986)	1:73:A:ASN:H	1:72:A:THR:HB	11	0.88
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB3	15	0.88
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB2	15	0.88
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE2	4	0.88
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE3	4	0.88
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB1	14	0.88
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB2	14	0.88
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB3	14	0.88
(1,1936)	1:66:A:VAL:HA	1:69:A:ALA:H	7	0.88
(1,1936)	1:66:A:VAL:HA	1:69:A:ALA:H	8	0.88
(1,1936)	1:66:A:VAL:HA	1:69:A:ALA:H	11	0.88
(1,1897)	1:63:A:LEU:HG	1:60:A:GLN:HA	2	0.88
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD1	3	0.88
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD2	3	0.88
(1,1885)	1:61:A:ASP:H	1:62:A:SER:HB3	14	0.88
(1,1867)	1:57:A:GLN:H	1:55:A:LYS:HG3	2	0.88
(1,1865)	1:55:A:LYS:HG2	1:56:A:LEU:H	12	0.88
(1,1865)	1:55:A:LYS:HG3	1:56:A:LEU:H	12	0.88
(1,1842)	1:51:A:THR:HA	1:52:A:GLN:H	8	0.88
(1,1815)	1:45:A:THR:HA	1:48:A:ASN:H	12	0.88
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG21	9	0.88
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG22	9	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG23	9	0.88
(1,1770)	1:38:A:ALA:H	1:34:A:GLY:HA2	4	0.88
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA2	1	0.88
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA3	1	0.88
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA2	1	0.88
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA3	1	0.88
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA2	3	0.88
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA3	3	0.88
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA2	3	0.88
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA3	3	0.88
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA2	9	0.88
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA3	9	0.88
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA2	9	0.88
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA3	9	0.88
(1,1704)	1:22:A:PRO:HG2	1:23:A:GLN:H	12	0.88
(1,1704)	1:22:A:PRO:HG3	1:23:A:GLN:H	12	0.88
(1,1698)	1:21:A:GLY:H	1:20:A:LEU:HA	2	0.88
(1,1670)	1:15:A:ILE:HA	1:18:A:VAL:HB	1	0.88
(1,1670)	1:15:A:ILE:HA	1:18:A:VAL:HB	11	0.88
(1,1653)	1:14:A:ILE:HA	1:13:A:PHE:HD1	1	0.88
(1,1653)	1:14:A:ILE:HA	1:13:A:PHE:HD2	1	0.88
(1,1644)	1:13:A:PHE:HA	1:16:A:GLY:H	3	0.88
(1,1644)	1:13:A:PHE:HA	1:16:A:GLY:H	7	0.88
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD1	3	0.88
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD2	3	0.88
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD1	7	0.88
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD2	7	0.88
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD1	8	0.88
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD2	8	0.88
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD1	14	0.88
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD2	14	0.88
(1,1477)	1:75:A:THR:H	1:74:A:LEU:HG	3	0.88
(1,1474)	1:73:A:ASN:H	1:75:A:THR:H	5	0.88
(1,1474)	1:73:A:ASN:H	1:75:A:THR:H	7	0.88
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG21	15	0.88
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG22	15	0.88
(1,1392)	1:43:A:ALA:HA	1:44:A:THR:HG23	15	0.88
(1,1361)	1:35:A:TRP:HH2	1:36:A:ILE:HA	4	0.88
(1,1323)	1:26:A:PRO:HB2	1:30:A:LYS:HG2	15	0.88
(1,1323)	1:26:A:PRO:HB3	1:30:A:LYS:HG2	15	0.88
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD11	3	0.88
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD12	3	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD13	3	0.88
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD11	8	0.88
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD12	8	0.88
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD13	8	0.88
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD11	14	0.88
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD12	14	0.88
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD13	14	0.88
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD11	13	0.88
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD12	13	0.88
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD13	13	0.88
(1,897)	1:63:A:LEU:H	1:62:A:SER:HB3	13	0.88
(1,897)	1:63:A:LEU:H	1:62:A:SER:HB3	15	0.88
(1,2856)	1:73:A:ASN:H	1:71:A:LEU:H	15	0.87
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD11	1	0.87
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD12	1	0.87
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD13	1	0.87
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD11	2	0.87
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD12	2	0.87
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD13	2	0.87
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD11	12	0.87
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD12	12	0.87
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD13	12	0.87
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	10	0.87
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	10	0.87
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	10	0.87
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	10	0.87
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	10	0.87
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	10	0.87
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB2	6	0.87
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB3	6	0.87
(1,2802)	1:50:A:LEU:H	1:53:A:GLU:H	3	0.87
(1,2802)	1:50:A:LEU:H	1:53:A:GLU:H	4	0.87
(1,2802)	1:50:A:LEU:H	1:53:A:GLU:H	5	0.87
(1,2798)	1:49:A:GLU:HA	1:53:A:GLU:H	11	0.87
(1,2796)	1:49:A:GLU:H	1:51:A:THR:HA	11	0.87
(1,2794)	1:49:A:GLU:HA	1:47:A:GLN:H	11	0.87
(1,2793)	1:49:A:GLU:H	1:44:A:THR:HA	9	0.87
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG21	3	0.87
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG22	3	0.87
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG23	3	0.87
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG21	3	0.87
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG22	3	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG23	3	0.87
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG21	4	0.87
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG22	4	0.87
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG23	4	0.87
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG21	4	0.87
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG22	4	0.87
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG23	4	0.87
(1,2778)	1:45:A:THR:HA	1:49:A:GLU:H	2	0.87
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD21	11	0.87
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD22	11	0.87
(1,2753)	1:20:A:LEU:H	1:25:A:LEU:HD23	11	0.87
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	1	0.87
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	1	0.87
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	1	0.87
(1,2732)	1:73:A:ASN:H	1:71:A:LEU:H	15	0.87
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD11	1	0.87
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD12	1	0.87
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD13	1	0.87
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD11	2	0.87
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD12	2	0.87
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD13	2	0.87
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD11	12	0.87
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD12	12	0.87
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD13	12	0.87
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	10	0.87
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	10	0.87
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	10	0.87
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	10	0.87
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	10	0.87
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	10	0.87
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB2	6	0.87
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB3	6	0.87
(1,2678)	1:50:A:LEU:H	1:53:A:GLU:H	3	0.87
(1,2678)	1:50:A:LEU:H	1:53:A:GLU:H	4	0.87
(1,2678)	1:50:A:LEU:H	1:53:A:GLU:H	5	0.87
(1,2674)	1:49:A:GLU:HA	1:53:A:GLU:H	11	0.87
(1,2672)	1:49:A:GLU:H	1:51:A:THR:HA	11	0.87
(1,2670)	1:49:A:GLU:HA	1:47:A:GLN:H	11	0.87
(1,2669)	1:49:A:GLU:H	1:44:A:THR:HA	9	0.87
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG21	3	0.87
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG22	3	0.87
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG23	3	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG21	3	0.87
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG22	3	0.87
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG23	3	0.87
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG21	4	0.87
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG22	4	0.87
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG23	4	0.87
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG21	4	0.87
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG22	4	0.87
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG23	4	0.87
(1,2654)	1:45:A:THR:HA	1:49:A:GLU:H	2	0.87
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD21	11	0.87
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD22	11	0.87
(1,2629)	1:20:A:LEU:H	1:25:A:LEU:HD23	11	0.87
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	1	0.87
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	1	0.87
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	1	0.87
(1,2608)	1:73:A:ASN:H	1:71:A:LEU:H	15	0.87
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD11	1	0.87
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD12	1	0.87
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD13	1	0.87
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD11	2	0.87
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD12	2	0.87
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD13	2	0.87
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD11	12	0.87
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD12	12	0.87
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD13	12	0.87
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	10	0.87
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	10	0.87
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	10	0.87
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	10	0.87
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	10	0.87
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	10	0.87
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB2	6	0.87
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB3	6	0.87
(1,2554)	1:50:A:LEU:H	1:53:A:GLU:H	3	0.87
(1,2554)	1:50:A:LEU:H	1:53:A:GLU:H	4	0.87
(1,2554)	1:50:A:LEU:H	1:53:A:GLU:H	5	0.87
(1,2550)	1:49:A:GLU:HA	1:53:A:GLU:H	11	0.87
(1,2548)	1:49:A:GLU:H	1:51:A:THR:HA	11	0.87
(1,2546)	1:49:A:GLU:HA	1:47:A:GLN:H	11	0.87
(1,2545)	1:49:A:GLU:H	1:44:A:THR:HA	9	0.87
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG21	3	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG22	3	0.87
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG23	3	0.87
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG21	3	0.87
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG22	3	0.87
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG23	3	0.87
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG21	4	0.87
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG22	4	0.87
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG23	4	0.87
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG21	4	0.87
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG22	4	0.87
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG23	4	0.87
(1,2530)	1:45:A:THR:HA	1:49:A:GLU:H	2	0.87
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD21	11	0.87
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD22	11	0.87
(1,2505)	1:20:A:LEU:H	1:25:A:LEU:HD23	11	0.87
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	1	0.87
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	1	0.87
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	1	0.87
(1,2484)	1:73:A:ASN:H	1:71:A:LEU:H	15	0.87
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD11	1	0.87
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD12	1	0.87
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD13	1	0.87
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD11	2	0.87
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD12	2	0.87
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD13	2	0.87
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD11	12	0.87
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD12	12	0.87
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD13	12	0.87
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	10	0.87
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	10	0.87
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	10	0.87
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	10	0.87
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	10	0.87
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	10	0.87
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB2	6	0.87
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB3	6	0.87
(1,2430)	1:50:A:LEU:H	1:53:A:GLU:H	3	0.87
(1,2430)	1:50:A:LEU:H	1:53:A:GLU:H	4	0.87
(1,2430)	1:50:A:LEU:H	1:53:A:GLU:H	5	0.87
(1,2426)	1:49:A:GLU:HA	1:53:A:GLU:H	11	0.87
(1,2424)	1:49:A:GLU:H	1:51:A:THR:HA	11	0.87
(1,2422)	1:49:A:GLU:HA	1:47:A:GLN:H	11	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2421)	1:49:A:GLU:H	1:44:A:THR:HA	9	0.87
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG21	3	0.87
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG22	3	0.87
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG23	3	0.87
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG21	3	0.87
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG22	3	0.87
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG23	3	0.87
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG21	4	0.87
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG22	4	0.87
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG23	4	0.87
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG21	4	0.87
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG22	4	0.87
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG23	4	0.87
(1,2406)	1:45:A:THR:HA	1:49:A:GLU:H	2	0.87
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD21	11	0.87
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD22	11	0.87
(1,2381)	1:20:A:LEU:H	1:25:A:LEU:HD23	11	0.87
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	1	0.87
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	1	0.87
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	1	0.87
(1,2360)	1:73:A:ASN:H	1:71:A:LEU:H	15	0.87
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD11	1	0.87
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD12	1	0.87
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD13	1	0.87
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD11	2	0.87
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD12	2	0.87
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD13	2	0.87
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD11	12	0.87
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD12	12	0.87
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD13	12	0.87
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	10	0.87
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	10	0.87
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	10	0.87
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	10	0.87
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	10	0.87
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	10	0.87
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB2	6	0.87
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB3	6	0.87
(1,2306)	1:50:A:LEU:H	1:53:A:GLU:H	3	0.87
(1,2306)	1:50:A:LEU:H	1:53:A:GLU:H	4	0.87
(1,2306)	1:50:A:LEU:H	1:53:A:GLU:H	5	0.87
(1,2302)	1:49:A:GLU:HA	1:53:A:GLU:H	11	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2300)	1:49:A:GLU:H	1:51:A:THR:HA	11	0.87
(1,2298)	1:49:A:GLU:HA	1:47:A:GLN:H	11	0.87
(1,2297)	1:49:A:GLU:H	1:44:A:THR:HA	9	0.87
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG21	3	0.87
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG22	3	0.87
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG23	3	0.87
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG21	3	0.87
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG22	3	0.87
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG23	3	0.87
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG21	4	0.87
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG22	4	0.87
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG23	4	0.87
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG21	4	0.87
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG22	4	0.87
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG23	4	0.87
(1,2282)	1:45:A:THR:HA	1:49:A:GLU:H	2	0.87
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD21	11	0.87
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD22	11	0.87
(1,2257)	1:20:A:LEU:H	1:25:A:LEU:HD23	11	0.87
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	1	0.87
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	1	0.87
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	1	0.87
(1,2173)	1:94:A:ARG:HG2	1:95:A:SER:H	9	0.87
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG3	8	0.87
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG2	8	0.87
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG3	11	0.87
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG2	11	0.87
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG3	12	0.87
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG2	12	0.87
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG2	12	0.87
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG3	12	0.87
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD2	7	0.87
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD3	7	0.87
(1,2036)	1:78:A:LEU:H	1:77:A:GLU:HB3	8	0.87
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG21	1	0.87
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG22	1	0.87
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG23	1	0.87
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG21	10	0.87
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG22	10	0.87
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG23	10	0.87
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG21	11	0.87
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG22	11	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG23	11	0.87
(1,1986)	1:73:A:ASN:H	1:72:A:THR:HB	1	0.87
(1,1977)	1:71:A:LEU:HB3	1:72:A:THR:H	6	0.87
(1,1977)	1:71:A:LEU:HB3	1:72:A:THR:H	8	0.87
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD11	11	0.87
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD12	11	0.87
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD13	11	0.87
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD21	11	0.87
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD22	11	0.87
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD23	11	0.87
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD21	11	0.87
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD22	11	0.87
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD23	11	0.87
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD21	7	0.87
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD22	7	0.87
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD23	7	0.87
(1,1945)	1:67:A:GLU:HG2	1:66:A:VAL:H	8	0.87
(1,1945)	1:67:A:GLU:HG3	1:66:A:VAL:H	8	0.87
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG21	5	0.87
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG22	5	0.87
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG23	5	0.87
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG21	5	0.87
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG22	5	0.87
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG23	5	0.87
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG21	10	0.87
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG22	10	0.87
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG23	10	0.87
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG11	10	0.87
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG12	10	0.87
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG13	10	0.87
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD1	4	0.87
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD2	4	0.87
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD11	3	0.87
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD12	3	0.87
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD13	3	0.87
(1,1842)	1:51:A:THR:HA	1:52:A:GLN:H	9	0.87
(1,1829)	1:47:A:GLN:HB2	1:48:A:ASN:H	6	0.87
(1,1829)	1:47:A:GLN:HB3	1:48:A:ASN:H	6	0.87
(1,1786)	1:42:A:LEU:H	1:41:A:SER:HB2	8	0.87
(1,1786)	1:42:A:LEU:H	1:41:A:SER:HB3	8	0.87
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA2	2	0.87
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA3	2	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA2	2	0.87
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA3	2	0.87
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG11	1	0.87
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG12	1	0.87
(1,1711)	1:24:A:ARG:H	1:27:A:VAL:HG13	1	0.87
(1,1710)	1:24:A:ARG:H	1:23:A:GLN:HB2	6	0.87
(1,1710)	1:24:A:ARG:H	1:23:A:GLN:HB3	6	0.87
(1,1710)	1:24:A:ARG:H	1:23:A:GLN:HB2	14	0.87
(1,1710)	1:24:A:ARG:H	1:23:A:GLN:HB3	14	0.87
(1,1698)	1:21:A:GLY:H	1:20:A:LEU:HA	13	0.87
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB2	9	0.87
(1,1659)	1:14:A:ILE:HA	1:17:A:LEU:HB3	9	0.87
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD11	4	0.87
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD12	4	0.87
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD13	4	0.87
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD11	14	0.87
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD12	14	0.87
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD13	14	0.87
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD21	2	0.87
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD22	2	0.87
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD23	2	0.87
(1,1644)	1:13:A:PHE:HA	1:16:A:GLY:H	8	0.87
(1,1630)	1:12:A:VAL:HB	1:9:A:LEU:HA	15	0.87
(1,1603)	1:6:A:PHE:HA	1:10:A:LEU:H	15	0.87
(1,1591)	1:6:A:PHE:H	1:5:A:GLY:HA3	15	0.87
(1,1526)	1:95:A:SER:HA	1:94:A:ARG:HG2	10	0.87
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD1	6	0.87
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD2	6	0.87
(1,1474)	1:73:A:ASN:H	1:75:A:THR:H	1	0.87
(1,1474)	1:73:A:ASN:H	1:75:A:THR:H	10	0.87
(1,1474)	1:73:A:ASN:H	1:75:A:THR:H	11	0.87
(1,1474)	1:73:A:ASN:H	1:75:A:THR:H	12	0.87
(1,1474)	1:73:A:ASN:H	1:75:A:THR:H	15	0.87
(1,1471)	1:73:A:ASN:H	1:74:A:LEU:HA	15	0.87
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD11	15	0.87
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD12	15	0.87
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD13	15	0.87
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD21	15	0.87
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD22	15	0.87
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD23	15	0.87
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB3	14	0.87
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB3	14	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB3	14	0.87
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB3	14	0.87
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB3	14	0.87
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB3	14	0.87
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB2	14	0.87
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB2	14	0.87
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB2	14	0.87
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB2	14	0.87
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB2	14	0.87
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB2	14	0.87
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB1	2	0.87
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB2	2	0.87
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB3	2	0.87
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB1	3	0.87
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB2	3	0.87
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB3	3	0.87
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB1	6	0.87
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB2	6	0.87
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB3	6	0.87
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD11	2	0.87
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD12	2	0.87
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD13	2	0.87
(1,897)	1:63:A:LEU:H	1:62:A:SER:HB3	5	0.87
(1,897)	1:63:A:LEU:H	1:62:A:SER:HB3	9	0.87
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD11	2	0.86
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD12	2	0.86
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD13	2	0.86
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD21	2	0.86
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD22	2	0.86
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD23	2	0.86
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG21	9	0.86
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG22	9	0.86
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG23	9	0.86
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG2	15	0.86
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG3	15	0.86
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG2	15	0.86
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG3	15	0.86
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG2	15	0.86
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG3	15	0.86
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	9	0.86
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	9	0.86
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	9	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	9	0.86
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	9	0.86
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	9	0.86
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD11	2	0.86
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD12	2	0.86
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD13	2	0.86
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD21	2	0.86
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD22	2	0.86
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD23	2	0.86
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG21	9	0.86
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG22	9	0.86
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG23	9	0.86
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG2	15	0.86
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG3	15	0.86
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG2	15	0.86
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG3	15	0.86
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG2	15	0.86
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG3	15	0.86
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	9	0.86
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	9	0.86
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	9	0.86
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	9	0.86
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	9	0.86
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	9	0.86
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD11	2	0.86
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD12	2	0.86
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD13	2	0.86
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD21	2	0.86
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD22	2	0.86
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD23	2	0.86
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG21	9	0.86
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG22	9	0.86
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG23	9	0.86
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG2	15	0.86
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG3	15	0.86
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG2	15	0.86
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG3	15	0.86
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG2	15	0.86
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG3	15	0.86
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	9	0.86
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	9	0.86
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	9	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	9	0.86
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	9	0.86
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	9	0.86
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD11	2	0.86
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD12	2	0.86
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD13	2	0.86
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD21	2	0.86
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD22	2	0.86
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD23	2	0.86
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG21	9	0.86
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG22	9	0.86
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG23	9	0.86
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG2	15	0.86
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG3	15	0.86
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG2	15	0.86
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG3	15	0.86
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG2	15	0.86
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG3	15	0.86
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	9	0.86
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	9	0.86
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	9	0.86
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	9	0.86
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	9	0.86
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	9	0.86
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD11	2	0.86
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD12	2	0.86
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD13	2	0.86
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD21	2	0.86
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD22	2	0.86
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD23	2	0.86
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG21	9	0.86
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG22	9	0.86
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG23	9	0.86
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG2	15	0.86
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG3	15	0.86
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG2	15	0.86
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG3	15	0.86
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG2	15	0.86
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG3	15	0.86
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	9	0.86
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	9	0.86
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	9	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	9	0.86
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	9	0.86
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	9	0.86
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB1	9	0.86
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB2	9	0.86
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB3	9	0.86
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB1	9	0.86
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB2	9	0.86
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB3	9	0.86
(1,2130)	1:87:A:GLN:HG2	1:86:A:ARG:H	4	0.86
(1,2130)	1:87:A:GLN:HG3	1:86:A:ARG:H	4	0.86
(1,2130)	1:87:A:GLN:HG2	1:86:A:ARG:H	13	0.86
(1,2130)	1:87:A:GLN:HG3	1:86:A:ARG:H	13	0.86
(1,2130)	1:87:A:GLN:HG2	1:86:A:ARG:H	15	0.86
(1,2130)	1:87:A:GLN:HG3	1:86:A:ARG:H	15	0.86
(1,2116)	1:86:A:ARG:HB3	1:83:A:ASP:HA	8	0.86
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG3	14	0.86
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG2	14	0.86
(1,2099)	1:84:A:GLU:H	1:83:A:ASP:HB3	3	0.86
(1,2099)	1:84:A:GLU:H	1:83:A:ASP:HB3	15	0.86
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG2	10	0.86
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG3	10	0.86
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG21	5	0.86
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG22	5	0.86
(1,2034)	1:78:A:LEU:H	1:75:A:THR:HG23	5	0.86
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD11	14	0.86
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD12	14	0.86
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD13	14	0.86
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD21	14	0.86
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD22	14	0.86
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD23	14	0.86
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD11	14	0.86
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD12	14	0.86
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD13	14	0.86
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD21	14	0.86
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD22	14	0.86
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD23	14	0.86
(1,1986)	1:73:A:ASN:H	1:72:A:THR:HB	2	0.86
(1,1986)	1:73:A:ASN:H	1:72:A:THR:HB	10	0.86
(1,1986)	1:73:A:ASN:H	1:72:A:THR:HB	12	0.86
(1,1974)	1:71:A:LEU:H	1:72:A:THR:HB	13	0.86
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB1	2	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB2	2	0.86
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB3	2	0.86
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB1	2	0.86
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB2	2	0.86
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB3	2	0.86
(1,1960)	1:69:A:ALA:HA	1:72:A:THR:H	5	0.86
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD21	5	0.86
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD22	5	0.86
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD23	5	0.86
(1,1945)	1:67:A:GLU:HG2	1:66:A:VAL:H	2	0.86
(1,1945)	1:67:A:GLU:HG3	1:66:A:VAL:H	2	0.86
(1,1945)	1:67:A:GLU:HG2	1:66:A:VAL:H	3	0.86
(1,1945)	1:67:A:GLU:HG3	1:66:A:VAL:H	3	0.86
(1,1945)	1:67:A:GLU:HG2	1:66:A:VAL:H	15	0.86
(1,1945)	1:67:A:GLU:HG3	1:66:A:VAL:H	15	0.86
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB1	4	0.86
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB2	4	0.86
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB3	4	0.86
(1,1936)	1:66:A:VAL:HA	1:69:A:ALA:H	5	0.86
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD11	4	0.86
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD12	4	0.86
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD13	4	0.86
(1,1845)	1:51:A:THR:HB	1:52:A:GLN:H	5	0.86
(1,1842)	1:51:A:THR:HA	1:52:A:GLN:H	13	0.86
(1,1815)	1:45:A:THR:HA	1:48:A:ASN:H	7	0.86
(1,1786)	1:42:A:LEU:H	1:41:A:SER:HB2	5	0.86
(1,1786)	1:42:A:LEU:H	1:41:A:SER:HB3	5	0.86
(1,1710)	1:24:A:ARG:H	1:23:A:GLN:HB2	12	0.86
(1,1710)	1:24:A:ARG:H	1:23:A:GLN:HB3	12	0.86
(1,1696)	1:21:A:GLY:HA3	1:20:A:LEU:HB3	13	0.86
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD11	10	0.86
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD12	10	0.86
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD13	10	0.86
(1,1605)	1:8:A:GLU:HB2	1:4:A:ILE:HB	15	0.86
(1,1591)	1:6:A:PHE:H	1:5:A:GLY:HA3	13	0.86
(1,1564)	1:3:A:ASP:HB2	1:4:A:ILE:HA	5	0.86
(1,1564)	1:3:A:ASP:HB2	1:4:A:ILE:HA	8	0.86
(1,1526)	1:95:A:SER:HA	1:94:A:ARG:HG2	13	0.86
(1,1471)	1:73:A:ASN:H	1:74:A:LEU:HA	7	0.86
(1,1441)	1:60:A:GLN:H	1:56:A:LEU:H	7	0.86
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG11	15	0.86
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG12	15	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG13	15	0.86
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG21	11	0.86
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG22	11	0.86
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG23	11	0.86
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB1	1	0.86
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB2	1	0.86
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB3	1	0.86
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB1	9	0.86
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB2	9	0.86
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB3	9	0.86
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB1	10	0.86
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB2	10	0.86
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB3	10	0.86
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB1	11	0.86
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB2	11	0.86
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB3	11	0.86
(1,1361)	1:35:A:TRP:HH2	1:36:A:ILE:HA	11	0.86
(1,1328)	1:27:A:VAL:HB	1:28:A:ALA:HA	3	0.86
(1,1328)	1:27:A:VAL:HB	1:28:A:ALA:HA	9	0.86
(1,1328)	1:27:A:VAL:HB	1:28:A:ALA:HA	11	0.86
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD11	12	0.86
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD12	12	0.86
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD13	12	0.86
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD21	12	0.86
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD22	12	0.86
(1,1310)	1:19:A:VAL:H	1:17:A:LEU:HD23	12	0.86
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE1	11	0.86
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE2	11	0.86
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE1	11	0.86
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE2	11	0.86
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE1	11	0.86
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE2	11	0.86
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE1	15	0.86
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE2	15	0.86
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE1	15	0.86
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE2	15	0.86
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE1	15	0.86
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE2	15	0.86
(1,1251)	1:9:A:LEU:HD11	1:11:A:LEU:H	5	0.86
(1,1251)	1:9:A:LEU:HD12	1:11:A:LEU:H	5	0.86
(1,1251)	1:9:A:LEU:HD13	1:11:A:LEU:H	5	0.86
(1,1251)	1:9:A:LEU:HD21	1:11:A:LEU:H	5	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1251)	1:9:A:LEU:HD22	1:11:A:LEU:H	5	0.86
(1,1251)	1:9:A:LEU:HD23	1:11:A:LEU:H	5	0.86
(1,897)	1:63:A:LEU:H	1:62:A:SER:HB3	1	0.86
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD11	10	0.85
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD12	10	0.85
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD13	10	0.85
(1,2794)	1:49:A:GLU:HA	1:47:A:GLN:H	1	0.85
(1,2794)	1:49:A:GLU:HA	1:47:A:GLN:H	14	0.85
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD21	13	0.85
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD22	13	0.85
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD23	13	0.85
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG2	10	0.85
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG3	10	0.85
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG2	10	0.85
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG3	10	0.85
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG2	10	0.85
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG3	10	0.85
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG2	11	0.85
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG3	11	0.85
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG2	11	0.85
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG3	11	0.85
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG2	11	0.85
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG3	11	0.85
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	12	0.85
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	12	0.85
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	12	0.85
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	12	0.85
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD21	13	0.85
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD22	13	0.85
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD23	13	0.85
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD11	10	0.85
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD12	10	0.85
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD13	10	0.85
(1,2670)	1:49:A:GLU:HA	1:47:A:GLN:H	1	0.85
(1,2670)	1:49:A:GLU:HA	1:47:A:GLN:H	14	0.85
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD21	13	0.85
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD22	13	0.85
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD23	13	0.85
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG2	10	0.85
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG3	10	0.85
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG2	10	0.85
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG3	10	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG2	10	0.85
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG3	10	0.85
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG2	11	0.85
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG3	11	0.85
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG2	11	0.85
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG3	11	0.85
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG2	11	0.85
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG3	11	0.85
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	12	0.85
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	12	0.85
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	12	0.85
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	12	0.85
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD21	13	0.85
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD22	13	0.85
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD23	13	0.85
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD11	10	0.85
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD12	10	0.85
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD13	10	0.85
(1,2546)	1:49:A:GLU:HA	1:47:A:GLN:H	1	0.85
(1,2546)	1:49:A:GLU:HA	1:47:A:GLN:H	14	0.85
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD21	13	0.85
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD22	13	0.85
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD23	13	0.85
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG2	10	0.85
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG3	10	0.85
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG2	10	0.85
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG3	10	0.85
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG2	10	0.85
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG3	10	0.85
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG2	11	0.85
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG3	11	0.85
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG2	11	0.85
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG3	11	0.85
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG2	11	0.85
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG3	11	0.85
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	12	0.85
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	12	0.85
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	12	0.85
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	12	0.85
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD21	13	0.85
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD22	13	0.85
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD23	13	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD11	10	0.85
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD12	10	0.85
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD13	10	0.85
(1,2422)	1:49:A:GLU:HA	1:47:A:GLN:H	1	0.85
(1,2422)	1:49:A:GLU:HA	1:47:A:GLN:H	14	0.85
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD21	13	0.85
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD22	13	0.85
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD23	13	0.85
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG2	10	0.85
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG3	10	0.85
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG2	10	0.85
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG3	10	0.85
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG2	10	0.85
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG3	10	0.85
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG2	11	0.85
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG3	11	0.85
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG2	11	0.85
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG3	11	0.85
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG2	11	0.85
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG3	11	0.85
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	12	0.85
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	12	0.85
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	12	0.85
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	12	0.85
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD21	13	0.85
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD22	13	0.85
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD23	13	0.85
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD11	10	0.85
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD12	10	0.85
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD13	10	0.85
(1,2298)	1:49:A:GLU:HA	1:47:A:GLN:H	1	0.85
(1,2298)	1:49:A:GLU:HA	1:47:A:GLN:H	14	0.85
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD21	13	0.85
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD22	13	0.85
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD23	13	0.85
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG2	10	0.85
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG3	10	0.85
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG2	10	0.85
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG3	10	0.85
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG2	10	0.85
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG3	10	0.85
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG2	11	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG3	11	0.85
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG2	11	0.85
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG3	11	0.85
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG2	11	0.85
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG3	11	0.85
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	12	0.85
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	12	0.85
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	12	0.85
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	12	0.85
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD21	13	0.85
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD22	13	0.85
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD23	13	0.85
(1,2240)	1:103:A:GLU:H	1:102:A:LEU:HA	5	0.85
(1,2228)	1:101:A:PRO:HD2	1:100:A:ASP:H	6	0.85
(1,2228)	1:101:A:PRO:HD3	1:100:A:ASP:H	6	0.85
(1,2218)	1:99:A:ASN:H	1:97:A:VAL:H	6	0.85
(1,2218)	1:99:A:ASN:H	1:97:A:VAL:H	12	0.85
(1,2164)	1:93:A:LYS:HG3	1:97:A:VAL:HB	7	0.85
(1,2106)	1:84:A:GLU:HA	1:87:A:GLN:HE21	6	0.85
(1,2099)	1:84:A:GLU:H	1:83:A:ASP:HB3	1	0.85
(1,2099)	1:84:A:GLU:H	1:83:A:ASP:HB3	5	0.85
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD11	4	0.85
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD12	4	0.85
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD13	4	0.85
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD21	4	0.85
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD22	4	0.85
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD23	4	0.85
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD11	4	0.85
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD12	4	0.85
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD13	4	0.85
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD21	4	0.85
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD22	4	0.85
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD23	4	0.85
(1,1986)	1:73:A:ASN:H	1:72:A:THR:HB	7	0.85
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD11	13	0.85
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD12	13	0.85
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD13	13	0.85
(1,1974)	1:71:A:LEU:H	1:72:A:THR:HB	9	0.85
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB1	12	0.85
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB2	12	0.85
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB3	12	0.85
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB1	12	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB2	12	0.85
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB3	12	0.85
(1,1960)	1:69:A:ALA:HA	1:72:A:THR:H	7	0.85
(1,1957)	1:68:A:LYS:HA	1:71:A:LEU:H	13	0.85
(1,1901)	1:63:A:LEU:H	1:62:A:SER:HB2	15	0.85
(1,1873)	1:60:A:GLN:HG2	1:61:A:ASP:H	14	0.85
(1,1873)	1:60:A:GLN:HG3	1:61:A:ASP:H	14	0.85
(1,1842)	1:51:A:THR:HA	1:52:A:GLN:H	1	0.85
(1,1815)	1:45:A:THR:HA	1:48:A:ASN:H	1	0.85
(1,1815)	1:45:A:THR:HA	1:48:A:ASN:H	6	0.85
(1,1815)	1:45:A:THR:HA	1:48:A:ASN:H	13	0.85
(1,1790)	1:42:A:LEU:HD11	1:45:A:THR:HB	9	0.85
(1,1790)	1:42:A:LEU:HD12	1:45:A:THR:HB	9	0.85
(1,1790)	1:42:A:LEU:HD13	1:45:A:THR:HB	9	0.85
(1,1790)	1:42:A:LEU:HD21	1:45:A:THR:HB	9	0.85
(1,1790)	1:42:A:LEU:HD22	1:45:A:THR:HB	9	0.85
(1,1790)	1:42:A:LEU:HD23	1:45:A:THR:HB	9	0.85
(1,1696)	1:21:A:GLY:HA3	1:20:A:LEU:HB3	2	0.85
(1,1675)	1:16:A:GLY:H	1:18:A:VAL:H	12	0.85
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD1	4	0.85
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD2	4	0.85
(1,1564)	1:3:A:ASP:HB2	1:4:A:ILE:HA	1	0.85
(1,1534)	1:97:A:VAL:H	1:98:A:ALA:HA	14	0.85
(1,1474)	1:73:A:ASN:H	1:75:A:THR:H	2	0.85
(1,1471)	1:73:A:ASN:H	1:74:A:LEU:HA	5	0.85
(1,1465)	1:72:A:THR:HA	1:71:A:LEU:HB2	15	0.85
(1,1450)	1:66:A:VAL:HA	1:70:A:SER:H	4	0.85
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB1	7	0.85
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB2	7	0.85
(1,1371)	1:36:A:ILE:HG13	1:33:A:ALA:HB3	7	0.85
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG11	12	0.85
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG12	12	0.85
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG13	12	0.85
(1,1328)	1:27:A:VAL:HB	1:28:A:ALA:HA	4	0.85
(1,1328)	1:27:A:VAL:HB	1:28:A:ALA:HA	5	0.85
(1,1328)	1:27:A:VAL:HB	1:28:A:ALA:HA	6	0.85
(1,1328)	1:27:A:VAL:HB	1:28:A:ALA:HA	7	0.85
(1,1328)	1:27:A:VAL:HB	1:28:A:ALA:HA	8	0.85
(1,1328)	1:27:A:VAL:HB	1:28:A:ALA:HA	10	0.85
(1,1328)	1:27:A:VAL:HB	1:28:A:ALA:HA	13	0.85
(1,1328)	1:27:A:VAL:HB	1:28:A:ALA:HA	14	0.85
(1,1328)	1:27:A:VAL:HB	1:28:A:ALA:HA	15	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB2	13	0.85
(1,1287)	1:16:A:GLY:H	1:17:A:LEU:HB3	13	0.85
(1,2793)	1:49:A:GLU:H	1:44:A:THR:HA	6	0.84
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG21	9	0.84
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG22	9	0.84
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG23	9	0.84
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG21	9	0.84
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG22	9	0.84
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG23	9	0.84
(1,2669)	1:49:A:GLU:H	1:44:A:THR:HA	6	0.84
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG21	9	0.84
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG22	9	0.84
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG23	9	0.84
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG21	9	0.84
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG22	9	0.84
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG23	9	0.84
(1,2545)	1:49:A:GLU:H	1:44:A:THR:HA	6	0.84
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG21	9	0.84
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG22	9	0.84
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG23	9	0.84
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG21	9	0.84
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG22	9	0.84
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG23	9	0.84
(1,2421)	1:49:A:GLU:H	1:44:A:THR:HA	6	0.84
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG21	9	0.84
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG22	9	0.84
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG23	9	0.84
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG21	9	0.84
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG22	9	0.84
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG23	9	0.84
(1,2297)	1:49:A:GLU:H	1:44:A:THR:HA	6	0.84
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG21	9	0.84
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG22	9	0.84
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG23	9	0.84
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG21	9	0.84
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG22	9	0.84
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG23	9	0.84
(1,2225)	1:101:A:PRO:HD2	1:98:A:ALA:H	10	0.84
(1,2225)	1:101:A:PRO:HD3	1:98:A:ALA:H	10	0.84
(1,2197)	1:96:A:TYR:HA	1:100:A:ASP:H	10	0.84
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE1	3	0.84
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE2	3	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE3	3	0.84
(1,2130)	1:87:A:GLN:HG2	1:86:A:ARG:H	2	0.84
(1,2130)	1:87:A:GLN:HG3	1:86:A:ARG:H	2	0.84
(1,2130)	1:87:A:GLN:HG2	1:86:A:ARG:H	11	0.84
(1,2130)	1:87:A:GLN:HG3	1:86:A:ARG:H	11	0.84
(1,2127)	1:87:A:GLN:HE21	1:83:A:ASP:HB3	15	0.84
(1,2106)	1:84:A:GLU:HA	1:87:A:GLN:HE21	5	0.84
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD11	6	0.84
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD12	6	0.84
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD13	6	0.84
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD11	6	0.84
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD12	6	0.84
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD13	6	0.84
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD21	6	0.84
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD22	6	0.84
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD23	6	0.84
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD11	7	0.84
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD12	7	0.84
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD13	7	0.84
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD11	3	0.84
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD12	3	0.84
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD13	3	0.84
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD11	13	0.84
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD12	13	0.84
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD13	13	0.84
(1,2036)	1:78:A:LEU:H	1:77:A:GLU:HB3	13	0.84
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD11	3	0.84
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD12	3	0.84
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD13	3	0.84
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD11	9	0.84
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD12	9	0.84
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD13	9	0.84
(1,1974)	1:71:A:LEU:H	1:72:A:THR:HB	3	0.84
(1,1974)	1:71:A:LEU:H	1:72:A:THR:HB	4	0.84
(1,1974)	1:71:A:LEU:H	1:72:A:THR:HB	14	0.84
(1,1968)	1:70:A:SER:HB2	1:74:A:LEU:HG	4	0.84
(1,1968)	1:70:A:SER:HB3	1:74:A:LEU:HG	4	0.84
(1,1968)	1:70:A:SER:HB2	1:74:A:LEU:HG	14	0.84
(1,1968)	1:70:A:SER:HB3	1:74:A:LEU:HG	14	0.84
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE2	11	0.84
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE3	11	0.84
(1,1945)	1:67:A:GLU:HG2	1:66:A:VAL:H	5	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1945)	1:67:A:GLU:HG3	1:66:A:VAL:H	5	0.84
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE2	3	0.84
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE3	3	0.84
(1,1885)	1:61:A:ASP:H	1:62:A:SER:HB3	1	0.84
(1,1873)	1:60:A:GLN:HG2	1:61:A:ASP:H	10	0.84
(1,1873)	1:60:A:GLN:HG3	1:61:A:ASP:H	10	0.84
(1,1845)	1:51:A:THR:HB	1:52:A:GLN:H	12	0.84
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB2	9	0.84
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB3	9	0.84
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD11	2	0.84
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD12	2	0.84
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD13	2	0.84
(1,1633)	1:13:A:PHE:H	1:11:A:LEU:H	4	0.84
(1,1633)	1:13:A:PHE:H	1:11:A:LEU:H	14	0.84
(1,1630)	1:12:A:VAL:HB	1:9:A:LEU:HA	3	0.84
(1,1630)	1:12:A:VAL:HB	1:9:A:LEU:HA	6	0.84
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD1	9	0.84
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD2	9	0.84
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD1	14	0.84
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD2	14	0.84
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG11	12	0.84
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG12	12	0.84
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG13	12	0.84
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG11	13	0.84
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG12	13	0.84
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG13	13	0.84
(1,1526)	1:95:A:SER:HA	1:94:A:ARG:HG2	11	0.84
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB2	2	0.84
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB3	2	0.84
(1,1471)	1:73:A:ASN:H	1:74:A:LEU:HA	1	0.84
(1,1471)	1:73:A:ASN:H	1:74:A:LEU:HA	2	0.84
(1,1471)	1:73:A:ASN:H	1:74:A:LEU:HA	10	0.84
(1,1471)	1:73:A:ASN:H	1:74:A:LEU:HA	11	0.84
(1,1471)	1:73:A:ASN:H	1:74:A:LEU:HA	12	0.84
(1,1450)	1:66:A:VAL:HA	1:70:A:SER:H	3	0.84
(1,1450)	1:66:A:VAL:HA	1:70:A:SER:H	9	0.84
(1,1450)	1:66:A:VAL:HA	1:70:A:SER:H	13	0.84
(1,1450)	1:66:A:VAL:HA	1:70:A:SER:H	14	0.84
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG11	15	0.84
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG12	15	0.84
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG13	15	0.84
(1,1323)	1:26:A:PRO:HB2	1:30:A:LYS:HG2	10	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1323)	1:26:A:PRO:HB3	1:30:A:LYS:HG2	10	0.84
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG21	9	0.84
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG22	9	0.84
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG23	9	0.84
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD11	15	0.84
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD12	15	0.84
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD13	15	0.84
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD21	15	0.84
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD22	15	0.84
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD23	15	0.84
(1,897)	1:63:A:LEU:H	1:62:A:SER:HB3	11	0.84
(1,2845)	1:71:A:LEU:H	1:68:A:LYS:HG2	8	0.83
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD11	11	0.83
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD12	11	0.83
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD13	11	0.83
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	4	0.83
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	4	0.83
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	4	0.83
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	4	0.83
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	4	0.83
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	4	0.83
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	4	0.83
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	4	0.83
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	4	0.83
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	4	0.83
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	4	0.83
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	4	0.83
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG2	14	0.83
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG3	14	0.83
(1,2826)	1:57:A:GLN:H	1:54:A:LEU:HA	3	0.83
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB2	3	0.83
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB3	3	0.83
(1,2798)	1:49:A:GLU:HA	1:53:A:GLU:H	15	0.83
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG21	8	0.83
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG22	8	0.83
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG23	8	0.83
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG2	5	0.83
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG3	5	0.83
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG2	5	0.83
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG3	5	0.83
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG2	5	0.83
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG3	5	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG2	12	0.83
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG3	12	0.83
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG2	12	0.83
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG3	12	0.83
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG2	12	0.83
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG3	12	0.83
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG2	10	0.83
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG3	10	0.83
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	8	0.83
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	8	0.83
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	8	0.83
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	8	0.83
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	8	0.83
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	8	0.83
(1,2721)	1:71:A:LEU:H	1:68:A:LYS:HG2	8	0.83
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD11	11	0.83
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD12	11	0.83
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD13	11	0.83
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	4	0.83
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	4	0.83
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	4	0.83
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	4	0.83
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	4	0.83
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	4	0.83
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	4	0.83
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	4	0.83
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	4	0.83
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	4	0.83
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	4	0.83
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	4	0.83
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG2	14	0.83
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG3	14	0.83
(1,2702)	1:57:A:GLN:H	1:54:A:LEU:HA	3	0.83
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB2	3	0.83
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB3	3	0.83
(1,2674)	1:49:A:GLU:HA	1:53:A:GLU:H	15	0.83
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG21	8	0.83
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG22	8	0.83
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG23	8	0.83
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG2	5	0.83
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG3	5	0.83
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG2	5	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG3	5	0.83
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG2	5	0.83
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG3	5	0.83
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG2	12	0.83
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG3	12	0.83
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG2	12	0.83
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG3	12	0.83
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG2	12	0.83
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG3	12	0.83
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG2	10	0.83
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG3	10	0.83
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	8	0.83
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	8	0.83
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	8	0.83
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	8	0.83
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	8	0.83
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	8	0.83
(1,2597)	1:71:A:LEU:H	1:68:A:LYS:HG2	8	0.83
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD11	11	0.83
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD12	11	0.83
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD13	11	0.83
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	4	0.83
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	4	0.83
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	4	0.83
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	4	0.83
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	4	0.83
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	4	0.83
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	4	0.83
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	4	0.83
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	4	0.83
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	4	0.83
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	4	0.83
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	4	0.83
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG2	14	0.83
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG3	14	0.83
(1,2578)	1:57:A:GLN:H	1:54:A:LEU:HA	3	0.83
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB2	3	0.83
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB3	3	0.83
(1,2550)	1:49:A:GLU:HA	1:53:A:GLU:H	15	0.83
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG21	8	0.83
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG22	8	0.83
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG23	8	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG2	5	0.83
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG3	5	0.83
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG2	5	0.83
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG3	5	0.83
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG2	5	0.83
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG3	5	0.83
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG2	12	0.83
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG3	12	0.83
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG2	12	0.83
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG3	12	0.83
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG2	12	0.83
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG3	12	0.83
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG2	10	0.83
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG3	10	0.83
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	8	0.83
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	8	0.83
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	8	0.83
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	8	0.83
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	8	0.83
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	8	0.83
(1,2473)	1:71:A:LEU:H	1:68:A:LYS:HG2	8	0.83
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD11	11	0.83
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD12	11	0.83
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD13	11	0.83
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	4	0.83
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	4	0.83
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	4	0.83
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	4	0.83
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	4	0.83
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	4	0.83
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	4	0.83
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	4	0.83
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	4	0.83
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	4	0.83
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	4	0.83
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	4	0.83
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG2	14	0.83
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG3	14	0.83
(1,2454)	1:57:A:GLN:H	1:54:A:LEU:HA	3	0.83
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB2	3	0.83
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB3	3	0.83
(1,2426)	1:49:A:GLU:HA	1:53:A:GLU:H	15	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG21	8	0.83
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG22	8	0.83
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG23	8	0.83
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG2	5	0.83
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG3	5	0.83
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG2	5	0.83
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG3	5	0.83
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG2	5	0.83
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG3	5	0.83
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG2	12	0.83
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG3	12	0.83
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG2	12	0.83
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG3	12	0.83
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG2	12	0.83
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG3	12	0.83
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG2	10	0.83
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG3	10	0.83
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	8	0.83
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	8	0.83
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	8	0.83
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	8	0.83
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	8	0.83
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	8	0.83
(1,2349)	1:71:A:LEU:H	1:68:A:LYS:HG2	8	0.83
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD11	11	0.83
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD12	11	0.83
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD13	11	0.83
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	4	0.83
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	4	0.83
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	4	0.83
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	4	0.83
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	4	0.83
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	4	0.83
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	4	0.83
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	4	0.83
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	4	0.83
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	4	0.83
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	4	0.83
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	4	0.83
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG2	14	0.83
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG3	14	0.83
(1,2330)	1:57:A:GLN:H	1:54:A:LEU:HA	3	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB2	3	0.83
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB3	3	0.83
(1,2302)	1:49:A:GLU:HA	1:53:A:GLU:H	15	0.83
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG21	8	0.83
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG22	8	0.83
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG23	8	0.83
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG2	5	0.83
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG3	5	0.83
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG2	5	0.83
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG3	5	0.83
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG2	5	0.83
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG3	5	0.83
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG2	12	0.83
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG3	12	0.83
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG2	12	0.83
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG3	12	0.83
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG2	12	0.83
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG3	12	0.83
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG2	10	0.83
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG3	10	0.83
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	8	0.83
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	8	0.83
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	8	0.83
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	8	0.83
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	8	0.83
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	8	0.83
(1,2240)	1:103:A:GLU:H	1:102:A:LEU:HA	2	0.83
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB1	7	0.83
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB2	7	0.83
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB3	7	0.83
(1,2218)	1:99:A:ASN:H	1:97:A:VAL:H	10	0.83
(1,2184)	1:96:A:TYR:H	1:95:A:SER:HA	11	0.83
(1,2169)	1:94:A:ARG:H	1:93:A:LYS:HG2	9	0.83
(1,2130)	1:87:A:GLN:HG2	1:86:A:ARG:H	3	0.83
(1,2130)	1:87:A:GLN:HG3	1:86:A:ARG:H	3	0.83
(1,2130)	1:87:A:GLN:HG2	1:86:A:ARG:H	10	0.83
(1,2130)	1:87:A:GLN:HG3	1:86:A:ARG:H	10	0.83
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD11	15	0.83
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD12	15	0.83
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD13	15	0.83
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG2	6	0.83
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG3	6	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG2	11	0.83
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG3	11	0.83
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG21	13	0.83
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG22	13	0.83
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG23	13	0.83
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG21	13	0.83
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG22	13	0.83
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG23	13	0.83
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD11	4	0.83
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD12	4	0.83
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD13	4	0.83
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD11	15	0.83
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD12	15	0.83
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD13	15	0.83
(1,1977)	1:71:A:LEU:HB3	1:72:A:THR:H	4	0.83
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB1	3	0.83
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB2	3	0.83
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB3	3	0.83
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB1	12	0.83
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB2	12	0.83
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB3	12	0.83
(1,1889)	1:62:A:SER:H	1:60:A:GLN:HA	6	0.83
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD11	9	0.83
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD12	9	0.83
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD13	9	0.83
(1,1869)	1:60:A:GLN:HE22	1:56:A:LEU:HB2	4	0.83
(1,1842)	1:51:A:THR:HA	1:52:A:GLN:H	10	0.83
(1,1842)	1:51:A:THR:HA	1:52:A:GLN:H	11	0.83
(1,1816)	1:45:A:THR:H	1:48:A:ASN:H	15	0.83
(1,1815)	1:45:A:THR:HA	1:48:A:ASN:H	4	0.83
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB2	1	0.83
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB3	1	0.83
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB2	3	0.83
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB3	3	0.83
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB2	4	0.83
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB3	4	0.83
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB2	7	0.83
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB3	7	0.83
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB2	8	0.83
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB3	8	0.83
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB2	10	0.83
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB3	10	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB2	11	0.83
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB3	11	0.83
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB2	14	0.83
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB3	14	0.83
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB2	15	0.83
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB3	15	0.83
(1,1653)	1:14:A:ILE:HA	1:13:A:PHE:HD1	15	0.83
(1,1653)	1:14:A:ILE:HA	1:13:A:PHE:HD2	15	0.83
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD21	4	0.83
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD22	4	0.83
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD23	4	0.83
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD21	14	0.83
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD22	14	0.83
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD23	14	0.83
(1,1633)	1:13:A:PHE:H	1:11:A:LEU:H	1	0.83
(1,1633)	1:13:A:PHE:H	1:11:A:LEU:H	9	0.83
(1,1633)	1:13:A:PHE:H	1:11:A:LEU:H	10	0.83
(1,1591)	1:6:A:PHE:H	1:5:A:GLY:HA3	8	0.83
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG21	7	0.83
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG22	7	0.83
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG23	7	0.83
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG21	7	0.83
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG22	7	0.83
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG23	7	0.83
(1,1564)	1:3:A:ASP:HB2	1:4:A:ILE:HA	2	0.83
(1,1564)	1:3:A:ASP:HB2	1:4:A:ILE:HA	4	0.83
(1,1564)	1:3:A:ASP:HB2	1:4:A:ILE:HA	6	0.83
(1,1564)	1:3:A:ASP:HB2	1:4:A:ILE:HA	10	0.83
(1,1564)	1:3:A:ASP:HB2	1:4:A:ILE:HA	12	0.83
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD11	11	0.83
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD12	11	0.83
(1,1545)	1:1:A:MET:HE1	1:4:A:ILE:HD13	11	0.83
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD11	11	0.83
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD12	11	0.83
(1,1545)	1:1:A:MET:HE2	1:4:A:ILE:HD13	11	0.83
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD11	11	0.83
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD12	11	0.83
(1,1545)	1:1:A:MET:HE3	1:4:A:ILE:HD13	11	0.83
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG11	14	0.83
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG12	14	0.83
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG13	14	0.83
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD1	4	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD2	4	0.83
(1,1471)	1:73:A:ASN:H	1:74:A:LEU:HA	6	0.83
(1,1471)	1:73:A:ASN:H	1:74:A:LEU:HA	8	0.83
(1,1465)	1:72:A:THR:HA	1:71:A:LEU:HB2	13	0.83
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE21	7	0.83
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE22	7	0.83
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG11	4	0.83
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG12	4	0.83
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG13	4	0.83
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG11	5	0.83
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG12	5	0.83
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG13	5	0.83
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG11	8	0.83
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG12	8	0.83
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG13	8	0.83
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG11	14	0.83
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG12	14	0.83
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG13	14	0.83
(1,1328)	1:27:A:VAL:HB	1:28:A:ALA:HA	2	0.83
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD11	9	0.83
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD12	9	0.83
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD13	9	0.83
(1,1251)	1:9:A:LEU:HD11	1:11:A:LEU:H	6	0.83
(1,1251)	1:9:A:LEU:HD12	1:11:A:LEU:H	6	0.83
(1,1251)	1:9:A:LEU:HD13	1:11:A:LEU:H	6	0.83
(1,1251)	1:9:A:LEU:HD21	1:11:A:LEU:H	6	0.83
(1,1251)	1:9:A:LEU:HD22	1:11:A:LEU:H	6	0.83
(1,1251)	1:9:A:LEU:HD23	1:11:A:LEU:H	6	0.83
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD21	1	0.83
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD22	1	0.83
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD23	1	0.83
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD21	9	0.83
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD22	9	0.83
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD23	9	0.83
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD21	11	0.83
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD22	11	0.83
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD23	11	0.83
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD21	15	0.83
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD22	15	0.83
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD23	15	0.83
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD11	1	0.83
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD12	1	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD13	1	0.83
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD21	1	0.83
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD22	1	0.83
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD23	1	0.83
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD11	1	0.83
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD12	1	0.83
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD13	1	0.83
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD21	1	0.83
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD22	1	0.83
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD23	1	0.83
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG21	8	0.82
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG22	8	0.82
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG23	8	0.82
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	10	0.82
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	10	0.82
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	10	0.82
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	10	0.82
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	10	0.82
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	10	0.82
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD21	1	0.82
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD22	1	0.82
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD23	1	0.82
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	1	0.82
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	1	0.82
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	1	0.82
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	1	0.82
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	1	0.82
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	1	0.82
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	3	0.82
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	3	0.82
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	3	0.82
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	3	0.82
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	3	0.82
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	3	0.82
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	4	0.82
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	4	0.82
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	4	0.82
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	4	0.82
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	4	0.82
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	4	0.82
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	7	0.82
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	7	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	7	0.82
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	7	0.82
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	7	0.82
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	7	0.82
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	10	0.82
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	10	0.82
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	10	0.82
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	10	0.82
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	10	0.82
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	10	0.82
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG21	8	0.82
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG22	8	0.82
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG23	8	0.82
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	10	0.82
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	10	0.82
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	10	0.82
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	10	0.82
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	10	0.82
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	10	0.82
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD21	1	0.82
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD22	1	0.82
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD23	1	0.82
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	1	0.82
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	1	0.82
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	1	0.82
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	1	0.82
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	1	0.82
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	1	0.82
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	3	0.82
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	3	0.82
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	3	0.82
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	3	0.82
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	3	0.82
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	3	0.82
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	4	0.82
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	4	0.82
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	4	0.82
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	4	0.82
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	4	0.82
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	4	0.82
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	7	0.82
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	7	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	7	0.82
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	7	0.82
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	7	0.82
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	7	0.82
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	10	0.82
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	10	0.82
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	10	0.82
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	10	0.82
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	10	0.82
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	10	0.82
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG21	8	0.82
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG22	8	0.82
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG23	8	0.82
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	10	0.82
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	10	0.82
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	10	0.82
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	10	0.82
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	10	0.82
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	10	0.82
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD21	1	0.82
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD22	1	0.82
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD23	1	0.82
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	1	0.82
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	1	0.82
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	1	0.82
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	1	0.82
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	1	0.82
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	1	0.82
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	3	0.82
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	3	0.82
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	3	0.82
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	3	0.82
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	3	0.82
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	3	0.82
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	4	0.82
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	4	0.82
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	4	0.82
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	4	0.82
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	4	0.82
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	4	0.82
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	7	0.82
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	7	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	7	0.82
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	7	0.82
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	7	0.82
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	7	0.82
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	10	0.82
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	10	0.82
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	10	0.82
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	10	0.82
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	10	0.82
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	10	0.82
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG21	8	0.82
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG22	8	0.82
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG23	8	0.82
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	10	0.82
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	10	0.82
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	10	0.82
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	10	0.82
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	10	0.82
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	10	0.82
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD21	1	0.82
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD22	1	0.82
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD23	1	0.82
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	1	0.82
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	1	0.82
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	1	0.82
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	1	0.82
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	1	0.82
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	1	0.82
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	3	0.82
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	3	0.82
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	3	0.82
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	3	0.82
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	3	0.82
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	3	0.82
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	4	0.82
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	4	0.82
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	4	0.82
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	4	0.82
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	4	0.82
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	4	0.82
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	7	0.82
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	7	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	7	0.82
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	7	0.82
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	7	0.82
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	7	0.82
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	10	0.82
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	10	0.82
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	10	0.82
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	10	0.82
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	10	0.82
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	10	0.82
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG21	8	0.82
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG22	8	0.82
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG23	8	0.82
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	10	0.82
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	10	0.82
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	10	0.82
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	10	0.82
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	10	0.82
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	10	0.82
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD21	1	0.82
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD22	1	0.82
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD23	1	0.82
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	1	0.82
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	1	0.82
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	1	0.82
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	1	0.82
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	1	0.82
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	1	0.82
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	3	0.82
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	3	0.82
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	3	0.82
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	3	0.82
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	3	0.82
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	3	0.82
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	4	0.82
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	4	0.82
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	4	0.82
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	4	0.82
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	4	0.82
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	4	0.82
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	7	0.82
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	7	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	7	0.82
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	7	0.82
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	7	0.82
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	7	0.82
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	10	0.82
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	10	0.82
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	10	0.82
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	10	0.82
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	10	0.82
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	10	0.82
(1,2243)	1:103:A:GLU:H	1:102:A:LEU:HB3	1	0.82
(1,2228)	1:101:A:PRO:HD2	1:100:A:ASP:H	3	0.82
(1,2228)	1:101:A:PRO:HD3	1:100:A:ASP:H	3	0.82
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB1	9	0.82
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB2	9	0.82
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB3	9	0.82
(1,2130)	1:87:A:GLN:HG2	1:86:A:ARG:H	8	0.82
(1,2130)	1:87:A:GLN:HG3	1:86:A:ARG:H	8	0.82
(1,2105)	1:84:A:GLU:HA	1:86:A:ARG:H	6	0.82
(1,2105)	1:84:A:GLU:HA	1:86:A:ARG:H	9	0.82
(1,2105)	1:84:A:GLU:HA	1:86:A:ARG:H	13	0.82
(1,2105)	1:84:A:GLU:HA	1:86:A:ARG:H	15	0.82
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD11	8	0.82
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD12	8	0.82
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD13	8	0.82
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD11	8	0.82
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD12	8	0.82
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD13	8	0.82
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD21	8	0.82
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD22	8	0.82
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD23	8	0.82
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD11	1	0.82
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD12	1	0.82
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD13	1	0.82
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD11	12	0.82
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD12	12	0.82
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD13	12	0.82
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG2	5	0.82
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG3	5	0.82
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD11	14	0.82
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD12	14	0.82
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD13	14	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1977)	1:71:A:LEU:HB3	1:72:A:THR:H	14	0.82
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB1	2	0.82
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB2	2	0.82
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB3	2	0.82
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE2	14	0.82
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE3	14	0.82
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG21	8	0.82
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG22	8	0.82
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG23	8	0.82
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG11	8	0.82
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG12	8	0.82
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG13	8	0.82
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG2	11	0.82
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG3	11	0.82
(1,1873)	1:60:A:GLN:HG2	1:61:A:ASP:H	3	0.82
(1,1873)	1:60:A:GLN:HG3	1:61:A:ASP:H	3	0.82
(1,1845)	1:51:A:THR:HB	1:52:A:GLN:H	4	0.82
(1,1829)	1:47:A:GLN:HB2	1:48:A:ASN:H	2	0.82
(1,1829)	1:47:A:GLN:HB3	1:48:A:ASN:H	2	0.82
(1,1829)	1:47:A:GLN:HB2	1:48:A:ASN:H	4	0.82
(1,1829)	1:47:A:GLN:HB3	1:48:A:ASN:H	4	0.82
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB1	3	0.82
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB2	3	0.82
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB3	3	0.82
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB1	15	0.82
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB2	15	0.82
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB3	15	0.82
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB2	5	0.82
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB3	5	0.82
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB2	6	0.82
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB3	6	0.82
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA2	13	0.82
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA3	13	0.82
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD21	10	0.82
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD22	10	0.82
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD23	10	0.82
(1,1633)	1:13:A:PHE:H	1:11:A:LEU:H	8	0.82
(1,1591)	1:6:A:PHE:H	1:5:A:GLY:HA3	1	0.82
(1,1591)	1:6:A:PHE:H	1:5:A:GLY:HA3	2	0.82
(1,1591)	1:6:A:PHE:H	1:5:A:GLY:HA3	3	0.82
(1,1591)	1:6:A:PHE:H	1:5:A:GLY:HA3	4	0.82
(1,1591)	1:6:A:PHE:H	1:5:A:GLY:HA3	9	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1591)	1:6:A:PHE:H	1:5:A:GLY:HA3	10	0.82
(1,1591)	1:6:A:PHE:H	1:5:A:GLY:HA3	14	0.82
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG11	15	0.82
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG12	15	0.82
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG13	15	0.82
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD1	9	0.82
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD2	9	0.82
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB2	1	0.82
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB3	1	0.82
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB2	10	0.82
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB3	10	0.82
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB2	11	0.82
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB3	11	0.82
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB2	12	0.82
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB3	12	0.82
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB2	15	0.82
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB3	15	0.82
(1,1465)	1:72:A:THR:HA	1:71:A:LEU:HB2	9	0.82
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD11	2	0.82
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD12	2	0.82
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD13	2	0.82
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD21	2	0.82
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD22	2	0.82
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD23	2	0.82
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD11	3	0.82
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD12	3	0.82
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD13	3	0.82
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD21	3	0.82
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD22	3	0.82
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD23	3	0.82
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD11	12	0.82
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD12	12	0.82
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD13	12	0.82
(1,1431)	1:56:A:LEU:H	1:54:A:LEU:H	2	0.82
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB1	7	0.82
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB2	7	0.82
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB3	7	0.82
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB1	7	0.82
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB2	7	0.82
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB3	7	0.82
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG11	13	0.82
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG12	13	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1353)	1:35:A:TRP:HE1	1:32:A:VAL:HG13	13	0.82
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB1	2	0.82
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB2	2	0.82
(1,1327)	1:27:A:VAL:HB	1:28:A:ALA:HB3	2	0.82
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE1	7	0.82
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE2	7	0.82
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE1	7	0.82
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE2	7	0.82
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE1	7	0.82
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE2	7	0.82
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD11	11	0.82
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD12	11	0.82
(1,1273)	1:13:A:PHE:HA	1:14:A:ILE:HD13	11	0.82
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD11	11	0.82
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD12	11	0.82
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD13	11	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD21	3	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD22	3	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD23	3	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD21	4	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD22	4	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD23	4	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD21	5	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD22	5	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD23	5	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD21	6	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD22	6	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD23	6	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD21	7	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD22	7	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD23	7	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD21	8	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD22	8	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD23	8	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD21	10	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD22	10	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD23	10	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD21	14	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD22	14	0.82
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD23	14	0.82
(1,2856)	1:73:A:ASN:H	1:71:A:LEU:H	3	0.81
(1,2856)	1:73:A:ASN:H	1:71:A:LEU:H	13	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2845)	1:71:A:LEU:H	1:68:A:LYS:HG2	6	0.81
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD11	7	0.81
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD12	7	0.81
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD13	7	0.81
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	15	0.81
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	15	0.81
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	15	0.81
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	15	0.81
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	15	0.81
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	15	0.81
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	15	0.81
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	15	0.81
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	15	0.81
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	15	0.81
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	15	0.81
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	15	0.81
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG21	8	0.81
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG22	8	0.81
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG23	8	0.81
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG21	8	0.81
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG22	8	0.81
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG23	8	0.81
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG2	3	0.81
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG3	3	0.81
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	5	0.81
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	5	0.81
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	5	0.81
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	5	0.81
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	5	0.81
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	5	0.81
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	6	0.81
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	6	0.81
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	6	0.81
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	6	0.81
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	6	0.81
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	6	0.81
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	8	0.81
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	8	0.81
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	8	0.81
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	8	0.81
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	8	0.81
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	8	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	11	0.81
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	11	0.81
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	11	0.81
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	11	0.81
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	11	0.81
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	11	0.81
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	14	0.81
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	14	0.81
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	14	0.81
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	14	0.81
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	14	0.81
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	14	0.81
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	15	0.81
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	15	0.81
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	15	0.81
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	15	0.81
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	15	0.81
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	15	0.81
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	12	0.81
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	12	0.81
(1,2768)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	12	0.81
(1,2732)	1:73:A:ASN:H	1:71:A:LEU:H	3	0.81
(1,2732)	1:73:A:ASN:H	1:71:A:LEU:H	13	0.81
(1,2721)	1:71:A:LEU:H	1:68:A:LYS:HG2	6	0.81
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD11	7	0.81
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD12	7	0.81
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD13	7	0.81
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	15	0.81
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	15	0.81
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	15	0.81
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	15	0.81
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	15	0.81
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	15	0.81
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	15	0.81
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	15	0.81
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	15	0.81
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	15	0.81
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	15	0.81
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	15	0.81
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG21	8	0.81
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG22	8	0.81
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG23	8	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG21	8	0.81
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG22	8	0.81
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG23	8	0.81
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG2	3	0.81
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG3	3	0.81
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	5	0.81
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	5	0.81
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	5	0.81
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	5	0.81
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	5	0.81
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	5	0.81
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	6	0.81
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	6	0.81
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	6	0.81
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	6	0.81
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	6	0.81
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	6	0.81
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	8	0.81
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	8	0.81
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	8	0.81
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	8	0.81
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	8	0.81
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	8	0.81
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	11	0.81
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	11	0.81
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	11	0.81
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	11	0.81
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	11	0.81
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	11	0.81
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	14	0.81
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	14	0.81
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	14	0.81
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	14	0.81
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	14	0.81
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	14	0.81
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	15	0.81
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	15	0.81
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	15	0.81
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	15	0.81
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	15	0.81
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	15	0.81
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	12	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	12	0.81
(1,2644)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	12	0.81
(1,2608)	1:73:A:ASN:H	1:71:A:LEU:H	3	0.81
(1,2608)	1:73:A:ASN:H	1:71:A:LEU:H	13	0.81
(1,2597)	1:71:A:LEU:H	1:68:A:LYS:HG2	6	0.81
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD11	7	0.81
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD12	7	0.81
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD13	7	0.81
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	15	0.81
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	15	0.81
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	15	0.81
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	15	0.81
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	15	0.81
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	15	0.81
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	15	0.81
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	15	0.81
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	15	0.81
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	15	0.81
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	15	0.81
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	15	0.81
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG21	8	0.81
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG22	8	0.81
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG23	8	0.81
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG21	8	0.81
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG22	8	0.81
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG23	8	0.81
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG2	3	0.81
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG3	3	0.81
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	5	0.81
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	5	0.81
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	5	0.81
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	5	0.81
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	5	0.81
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	5	0.81
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	6	0.81
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	6	0.81
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	6	0.81
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	6	0.81
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	6	0.81
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	6	0.81
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	8	0.81
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	8	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	8	0.81
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	8	0.81
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	8	0.81
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	8	0.81
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	11	0.81
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	11	0.81
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	11	0.81
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	11	0.81
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	11	0.81
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	11	0.81
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	14	0.81
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	14	0.81
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	14	0.81
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	14	0.81
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	14	0.81
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	14	0.81
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	15	0.81
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	15	0.81
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	15	0.81
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	15	0.81
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	15	0.81
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	15	0.81
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	12	0.81
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	12	0.81
(1,2520)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	12	0.81
(1,2484)	1:73:A:ASN:H	1:71:A:LEU:H	3	0.81
(1,2484)	1:73:A:ASN:H	1:71:A:LEU:H	13	0.81
(1,2473)	1:71:A:LEU:H	1:68:A:LYS:HG2	6	0.81
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD11	7	0.81
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD12	7	0.81
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD13	7	0.81
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	15	0.81
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	15	0.81
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	15	0.81
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	15	0.81
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	15	0.81
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	15	0.81
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	15	0.81
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	15	0.81
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	15	0.81
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	15	0.81
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	15	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	15	0.81
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG21	8	0.81
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG22	8	0.81
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG23	8	0.81
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG21	8	0.81
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG22	8	0.81
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG23	8	0.81
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG2	3	0.81
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG3	3	0.81
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	5	0.81
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	5	0.81
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	5	0.81
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	5	0.81
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	5	0.81
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	5	0.81
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	6	0.81
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	6	0.81
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	6	0.81
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	6	0.81
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	6	0.81
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	6	0.81
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	8	0.81
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	8	0.81
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	8	0.81
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	8	0.81
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	8	0.81
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	8	0.81
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	11	0.81
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	11	0.81
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	11	0.81
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	11	0.81
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	11	0.81
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	11	0.81
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	14	0.81
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	14	0.81
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	14	0.81
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	14	0.81
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	14	0.81
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	14	0.81
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	15	0.81
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	15	0.81
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	15	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	15	0.81
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	15	0.81
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	15	0.81
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	12	0.81
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	12	0.81
(1,2396)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	12	0.81
(1,2360)	1:73:A:ASN:H	1:71:A:LEU:H	3	0.81
(1,2360)	1:73:A:ASN:H	1:71:A:LEU:H	13	0.81
(1,2349)	1:71:A:LEU:H	1:68:A:LYS:HG2	6	0.81
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD11	7	0.81
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD12	7	0.81
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD13	7	0.81
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	15	0.81
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	15	0.81
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	15	0.81
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	15	0.81
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	15	0.81
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	15	0.81
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	15	0.81
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	15	0.81
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	15	0.81
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	15	0.81
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	15	0.81
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	15	0.81
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG21	8	0.81
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG22	8	0.81
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG23	8	0.81
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG21	8	0.81
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG22	8	0.81
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG23	8	0.81
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG2	3	0.81
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG3	3	0.81
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	5	0.81
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	5	0.81
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	5	0.81
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	5	0.81
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	5	0.81
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	5	0.81
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	6	0.81
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	6	0.81
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	6	0.81
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	6	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	6	0.81
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	6	0.81
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	8	0.81
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	8	0.81
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	8	0.81
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	8	0.81
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	8	0.81
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	8	0.81
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	11	0.81
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	11	0.81
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	11	0.81
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	11	0.81
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	11	0.81
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	11	0.81
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	14	0.81
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	14	0.81
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	14	0.81
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	14	0.81
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	14	0.81
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	14	0.81
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	15	0.81
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	15	0.81
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	15	0.81
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	15	0.81
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	15	0.81
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	15	0.81
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD21	12	0.81
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD22	12	0.81
(1,2272)	1:24:A:ARG:HG3	1:20:A:LEU:HD23	12	0.81
(1,2243)	1:103:A:GLU:H	1:102:A:LEU:HB3	6	0.81
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD1	1	0.81
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD2	1	0.81
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD1	13	0.81
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD2	13	0.81
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD1	15	0.81
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD2	15	0.81
(1,2212)	1:98:A:ALA:HA	1:97:A:VAL:HB	7	0.81
(1,2210)	1:97:A:VAL:HA	1:100:A:ASP:H	7	0.81
(1,2184)	1:96:A:TYR:H	1:95:A:SER:HA	1	0.81
(1,2184)	1:96:A:TYR:H	1:95:A:SER:HA	13	0.81
(1,2184)	1:96:A:TYR:H	1:95:A:SER:HA	14	0.81
(1,2184)	1:96:A:TYR:H	1:95:A:SER:HA	15	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB1	4	0.81
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB2	4	0.81
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB3	4	0.81
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG11	9	0.81
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG12	9	0.81
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG13	9	0.81
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG21	9	0.81
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG22	9	0.81
(1,2176)	1:94:A:ARG:HA	1:97:A:VAL:HG23	9	0.81
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE1	8	0.81
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE2	8	0.81
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE3	8	0.81
(1,2118)	1:86:A:ARG:HG3	1:86:A:ARG:H	14	0.81
(1,2116)	1:86:A:ARG:HB3	1:83:A:ASP:HA	1	0.81
(1,2116)	1:86:A:ARG:HB3	1:83:A:ASP:HA	2	0.81
(1,2106)	1:84:A:GLU:HA	1:87:A:GLN:HE21	15	0.81
(1,2105)	1:84:A:GLU:HA	1:86:A:ARG:H	1	0.81
(1,2105)	1:84:A:GLU:HA	1:86:A:ARG:H	2	0.81
(1,2105)	1:84:A:GLU:HA	1:86:A:ARG:H	4	0.81
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG2	2	0.81
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG3	2	0.81
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB1	10	0.81
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB2	10	0.81
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB3	10	0.81
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB1	10	0.81
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB2	10	0.81
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB3	10	0.81
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB1	11	0.81
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB2	11	0.81
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB3	11	0.81
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB1	11	0.81
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB2	11	0.81
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB3	11	0.81
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG21	6	0.81
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG22	6	0.81
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG23	6	0.81
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG11	6	0.81
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG12	6	0.81
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG13	6	0.81
(1,1887)	1:61:A:ASP:HA	1:64:A:LYS:H	7	0.81
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG21	3	0.81
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG22	3	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG23	3	0.81
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG21	3	0.81
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG22	3	0.81
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG23	3	0.81
(1,1845)	1:51:A:THR:HB	1:52:A:GLN:H	3	0.81
(1,1845)	1:51:A:THR:HB	1:52:A:GLN:H	6	0.81
(1,1829)	1:47:A:GLN:HB2	1:48:A:ASN:H	8	0.81
(1,1829)	1:47:A:GLN:HB3	1:48:A:ASN:H	8	0.81
(1,1829)	1:47:A:GLN:HB2	1:48:A:ASN:H	9	0.81
(1,1829)	1:47:A:GLN:HB3	1:48:A:ASN:H	9	0.81
(1,1815)	1:45:A:THR:HA	1:48:A:ASN:H	3	0.81
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG21	15	0.81
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG22	15	0.81
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG23	15	0.81
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG21	15	0.81
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG22	15	0.81
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG23	15	0.81
(1,1633)	1:13:A:PHE:H	1:11:A:LEU:H	2	0.81
(1,1633)	1:13:A:PHE:H	1:11:A:LEU:H	3	0.81
(1,1630)	1:12:A:VAL:HB	1:9:A:LEU:HA	8	0.81
(1,1630)	1:12:A:VAL:HB	1:9:A:LEU:HA	11	0.81
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD1	6	0.81
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD2	6	0.81
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB2	5	0.81
(1,1490)	1:82:A:MET:H	1:78:A:LEU:HB3	5	0.81
(1,1465)	1:72:A:THR:HA	1:71:A:LEU:HB2	3	0.81
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD11	1	0.81
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD12	1	0.81
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD13	1	0.81
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD21	1	0.81
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD22	1	0.81
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD23	1	0.81
(1,1424)	1:48:A:ASN:H	1:49:A:GLU:HB2	12	0.81
(1,1422)	1:48:A:ASN:H	1:44:A:THR:HB	15	0.81
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE1	3	0.81
(1,1278)	1:14:A:ILE:HD11	1:13:A:PHE:HE2	3	0.81
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE1	3	0.81
(1,1278)	1:14:A:ILE:HD12	1:13:A:PHE:HE2	3	0.81
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE1	3	0.81
(1,1278)	1:14:A:ILE:HD13	1:13:A:PHE:HE2	3	0.81
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD11	5	0.8
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD12	5	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD13	5	0.8
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	3	0.8
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	3	0.8
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	3	0.8
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	3	0.8
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	3	0.8
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	3	0.8
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	3	0.8
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	3	0.8
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	3	0.8
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	3	0.8
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	3	0.8
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	3	0.8
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB2	11	0.8
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB3	11	0.8
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	2	0.8
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	2	0.8
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	2	0.8
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	2	0.8
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	2	0.8
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	2	0.8
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	2	0.8
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	2	0.8
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	2	0.8
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	2	0.8
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	2	0.8
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	2	0.8
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	7	0.8
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	7	0.8
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	7	0.8
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	7	0.8
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	7	0.8
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	7	0.8
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	7	0.8
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	7	0.8
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	7	0.8
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	7	0.8
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	7	0.8
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	7	0.8
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	11	0.8
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	11	0.8
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	11	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	11	0.8
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	11	0.8
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	11	0.8
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	11	0.8
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	11	0.8
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	11	0.8
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	11	0.8
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	11	0.8
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	11	0.8
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG21	1	0.8
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG22	1	0.8
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG23	1	0.8
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG21	13	0.8
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG22	13	0.8
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG23	13	0.8
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD21	13	0.8
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD22	13	0.8
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD23	13	0.8
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG2	5	0.8
(1,2774)	1:45:A:THR:HB	1:47:A:GLN:HG3	5	0.8
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD11	5	0.8
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD12	5	0.8
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD13	5	0.8
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	3	0.8
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	3	0.8
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	3	0.8
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	3	0.8
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	3	0.8
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	3	0.8
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	3	0.8
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	3	0.8
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	3	0.8
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	3	0.8
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	3	0.8
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	3	0.8
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB2	11	0.8
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB3	11	0.8
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	2	0.8
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	2	0.8
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	2	0.8
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	2	0.8
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	2	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	2	0.8
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	2	0.8
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	2	0.8
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	2	0.8
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	2	0.8
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	2	0.8
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	2	0.8
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	7	0.8
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	7	0.8
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	7	0.8
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	7	0.8
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	7	0.8
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	7	0.8
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	7	0.8
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	7	0.8
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	7	0.8
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	7	0.8
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	7	0.8
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	7	0.8
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	11	0.8
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	11	0.8
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	11	0.8
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	11	0.8
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	11	0.8
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	11	0.8
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	11	0.8
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	11	0.8
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	11	0.8
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	11	0.8
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	11	0.8
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	11	0.8
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG21	1	0.8
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG22	1	0.8
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG23	1	0.8
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG21	13	0.8
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG22	13	0.8
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG23	13	0.8
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD21	13	0.8
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD22	13	0.8
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD23	13	0.8
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG2	5	0.8
(1,2650)	1:45:A:THR:HB	1:47:A:GLN:HG3	5	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD11	5	0.8
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD12	5	0.8
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD13	5	0.8
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	3	0.8
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	3	0.8
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	3	0.8
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	3	0.8
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	3	0.8
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	3	0.8
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	3	0.8
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	3	0.8
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	3	0.8
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	3	0.8
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	3	0.8
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	3	0.8
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB2	11	0.8
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB3	11	0.8
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	2	0.8
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	2	0.8
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	2	0.8
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	2	0.8
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	2	0.8
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	2	0.8
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	2	0.8
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	2	0.8
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	2	0.8
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	2	0.8
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	2	0.8
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	2	0.8
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	7	0.8
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	7	0.8
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	7	0.8
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	7	0.8
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	7	0.8
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	7	0.8
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	7	0.8
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	7	0.8
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	7	0.8
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	7	0.8
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	7	0.8
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	7	0.8
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	11	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	11	0.8
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	11	0.8
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	11	0.8
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	11	0.8
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	11	0.8
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	11	0.8
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	11	0.8
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	11	0.8
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	11	0.8
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	11	0.8
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	11	0.8
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG21	1	0.8
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG22	1	0.8
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG23	1	0.8
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG21	13	0.8
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG22	13	0.8
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG23	13	0.8
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD21	13	0.8
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD22	13	0.8
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD23	13	0.8
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG2	5	0.8
(1,2526)	1:45:A:THR:HB	1:47:A:GLN:HG3	5	0.8
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD11	5	0.8
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD12	5	0.8
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD13	5	0.8
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	3	0.8
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	3	0.8
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	3	0.8
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	3	0.8
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	3	0.8
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	3	0.8
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	3	0.8
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	3	0.8
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	3	0.8
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	3	0.8
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	3	0.8
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	3	0.8
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB2	11	0.8
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB3	11	0.8
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	2	0.8
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	2	0.8
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	2	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	2	0.8
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	2	0.8
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	2	0.8
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	2	0.8
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	2	0.8
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	2	0.8
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	2	0.8
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	2	0.8
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	2	0.8
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	7	0.8
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	7	0.8
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	7	0.8
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	7	0.8
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	7	0.8
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	7	0.8
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	7	0.8
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	7	0.8
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	7	0.8
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	7	0.8
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	7	0.8
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	7	0.8
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	11	0.8
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	11	0.8
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	11	0.8
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	11	0.8
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	11	0.8
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	11	0.8
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	11	0.8
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	11	0.8
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	11	0.8
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	11	0.8
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	11	0.8
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	11	0.8
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG21	1	0.8
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG22	1	0.8
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG23	1	0.8
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG21	13	0.8
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG22	13	0.8
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG23	13	0.8
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD21	13	0.8
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD22	13	0.8
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD23	13	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG2	5	0.8
(1,2402)	1:45:A:THR:HB	1:47:A:GLN:HG3	5	0.8
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD11	5	0.8
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD12	5	0.8
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD13	5	0.8
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	3	0.8
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	3	0.8
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	3	0.8
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	3	0.8
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	3	0.8
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	3	0.8
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	3	0.8
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	3	0.8
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	3	0.8
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	3	0.8
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	3	0.8
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	3	0.8
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB2	11	0.8
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB3	11	0.8
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	2	0.8
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	2	0.8
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	2	0.8
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	2	0.8
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	2	0.8
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	2	0.8
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	2	0.8
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	2	0.8
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	2	0.8
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	2	0.8
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	2	0.8
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	2	0.8
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	7	0.8
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	7	0.8
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	7	0.8
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	7	0.8
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	7	0.8
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	7	0.8
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	7	0.8
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	7	0.8
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	7	0.8
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	7	0.8
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	7	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	7	0.8
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	11	0.8
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	11	0.8
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	11	0.8
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	11	0.8
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	11	0.8
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	11	0.8
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	11	0.8
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	11	0.8
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	11	0.8
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	11	0.8
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	11	0.8
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	11	0.8
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG21	1	0.8
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG22	1	0.8
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG23	1	0.8
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG21	13	0.8
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG22	13	0.8
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG23	13	0.8
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD21	13	0.8
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD22	13	0.8
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD23	13	0.8
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG2	5	0.8
(1,2278)	1:45:A:THR:HB	1:47:A:GLN:HG3	5	0.8
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB1	2	0.8
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB2	2	0.8
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB3	2	0.8
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB2	11	0.8
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB3	11	0.8
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE2	1	0.8
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE3	1	0.8
(1,2151)	1:91:A:SER:HB2	1:92:A:MET:HG3	11	0.8
(1,2151)	1:91:A:SER:HB3	1:92:A:MET:HG3	11	0.8
(1,2118)	1:86:A:ARG:HG3	1:86:A:ARG:H	5	0.8
(1,2116)	1:86:A:ARG:HB3	1:83:A:ASP:HA	6	0.8
(1,2116)	1:86:A:ARG:HB3	1:83:A:ASP:HA	15	0.8
(1,2097)	1:84:A:GLU:HA	1:83:A:ASP:HB3	4	0.8
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD11	10	0.8
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD12	10	0.8
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD13	10	0.8
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG2	15	0.8
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG3	15	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG21	9	0.8
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG22	9	0.8
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG23	9	0.8
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG21	9	0.8
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG22	9	0.8
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG23	9	0.8
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB1	1	0.8
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB2	1	0.8
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB3	1	0.8
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG21	11	0.8
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG22	11	0.8
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG23	11	0.8
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG11	11	0.8
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG12	11	0.8
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG13	11	0.8
(1,1889)	1:62:A:SER:H	1:60:A:GLN:HA	3	0.8
(1,1885)	1:61:A:ASP:H	1:62:A:SER:HB3	7	0.8
(1,1873)	1:60:A:GLN:HG2	1:61:A:ASP:H	4	0.8
(1,1873)	1:60:A:GLN:HG3	1:61:A:ASP:H	4	0.8
(1,1860)	1:54:A:LEU:HG	1:55:A:LYS:H	5	0.8
(1,1845)	1:51:A:THR:HB	1:52:A:GLN:H	7	0.8
(1,1829)	1:47:A:GLN:HB2	1:48:A:ASN:H	3	0.8
(1,1829)	1:47:A:GLN:HB3	1:48:A:ASN:H	3	0.8
(1,1790)	1:42:A:LEU:HD11	1:45:A:THR:HB	2	0.8
(1,1790)	1:42:A:LEU:HD12	1:45:A:THR:HB	2	0.8
(1,1790)	1:42:A:LEU:HD13	1:45:A:THR:HB	2	0.8
(1,1790)	1:42:A:LEU:HD21	1:45:A:THR:HB	2	0.8
(1,1790)	1:42:A:LEU:HD22	1:45:A:THR:HB	2	0.8
(1,1790)	1:42:A:LEU:HD23	1:45:A:THR:HB	2	0.8
(1,1790)	1:42:A:LEU:HD11	1:45:A:THR:HB	11	0.8
(1,1790)	1:42:A:LEU:HD12	1:45:A:THR:HB	11	0.8
(1,1790)	1:42:A:LEU:HD13	1:45:A:THR:HB	11	0.8
(1,1790)	1:42:A:LEU:HD21	1:45:A:THR:HB	11	0.8
(1,1790)	1:42:A:LEU:HD22	1:45:A:THR:HB	11	0.8
(1,1790)	1:42:A:LEU:HD23	1:45:A:THR:HB	11	0.8
(1,1731)	1:29:A:VAL:H	1:28:A:ALA:H	10	0.8
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA2	12	0.8
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA3	12	0.8
(1,1633)	1:13:A:PHE:H	1:11:A:LEU:H	15	0.8
(1,1465)	1:72:A:THR:HA	1:71:A:LEU:HB2	4	0.8
(1,1465)	1:72:A:THR:HA	1:71:A:LEU:HB2	14	0.8
(1,1453)	1:67:A:GLU:HG2	1:70:A:SER:H	4	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1453)	1:67:A:GLU:HG3	1:70:A:SER:H	4	0.8
(1,1453)	1:67:A:GLU:HG2	1:70:A:SER:H	14	0.8
(1,1453)	1:67:A:GLU:HG3	1:70:A:SER:H	14	0.8
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD11	4	0.8
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD12	4	0.8
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD13	4	0.8
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD21	4	0.8
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD22	4	0.8
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD23	4	0.8
(1,1358)	1:35:A:TRP:HH2	1:36:A:ILE:HG13	7	0.8
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB1	2	0.8
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB2	2	0.8
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB3	2	0.8
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB1	11	0.8
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB2	11	0.8
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB3	11	0.8
(1,897)	1:63:A:LEU:H	1:62:A:SER:HB3	7	0.8
(1,2856)	1:73:A:ASN:H	1:71:A:LEU:H	9	0.79
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	5	0.79
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	5	0.79
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	5	0.79
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	5	0.79
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	5	0.79
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	5	0.79
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB2	4	0.79
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB3	4	0.79
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB2	5	0.79
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB3	5	0.79
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD21	9	0.79
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD22	9	0.79
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD23	9	0.79
(1,2732)	1:73:A:ASN:H	1:71:A:LEU:H	9	0.79
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	5	0.79
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	5	0.79
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	5	0.79
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	5	0.79
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	5	0.79
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	5	0.79
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB2	4	0.79
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB3	4	0.79
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB2	5	0.79
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB3	5	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD21	9	0.79
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD22	9	0.79
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD23	9	0.79
(1,2608)	1:73:A:ASN:H	1:71:A:LEU:H	9	0.79
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	5	0.79
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	5	0.79
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	5	0.79
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	5	0.79
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	5	0.79
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	5	0.79
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB2	4	0.79
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB3	4	0.79
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB2	5	0.79
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB3	5	0.79
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD21	9	0.79
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD22	9	0.79
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD23	9	0.79
(1,2484)	1:73:A:ASN:H	1:71:A:LEU:H	9	0.79
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	5	0.79
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	5	0.79
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	5	0.79
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	5	0.79
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	5	0.79
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	5	0.79
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB2	4	0.79
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB3	4	0.79
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB2	5	0.79
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB3	5	0.79
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD21	9	0.79
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD22	9	0.79
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD23	9	0.79
(1,2360)	1:73:A:ASN:H	1:71:A:LEU:H	9	0.79
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	5	0.79
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	5	0.79
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	5	0.79
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	5	0.79
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	5	0.79
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	5	0.79
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB2	4	0.79
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB3	4	0.79
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB2	5	0.79
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB3	5	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD21	9	0.79
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD22	9	0.79
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD23	9	0.79
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD11	3	0.79
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD12	3	0.79
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD13	3	0.79
(1,2237)	1:102:A:LEU:H	1:103:A:GLU:HA	9	0.79
(1,2184)	1:96:A:TYR:H	1:95:A:SER:HA	12	0.79
(1,2151)	1:91:A:SER:HB2	1:92:A:MET:HG3	15	0.79
(1,2151)	1:91:A:SER:HB3	1:92:A:MET:HG3	15	0.79
(1,2130)	1:87:A:GLN:HG2	1:86:A:ARG:H	5	0.79
(1,2130)	1:87:A:GLN:HG3	1:86:A:ARG:H	5	0.79
(1,2118)	1:86:A:ARG:HG3	1:86:A:ARG:H	3	0.79
(1,2118)	1:86:A:ARG:HG3	1:86:A:ARG:H	10	0.79
(1,2118)	1:86:A:ARG:HG3	1:86:A:ARG:H	11	0.79
(1,2116)	1:86:A:ARG:HB3	1:83:A:ASP:HA	4	0.79
(1,2105)	1:84:A:GLU:HA	1:86:A:ARG:H	10	0.79
(1,2038)	1:78:A:LEU:HA	1:81:A:SER:HB3	3	0.79
(1,2038)	1:78:A:LEU:HA	1:81:A:SER:HB3	15	0.79
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG21	3	0.79
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG22	3	0.79
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG23	3	0.79
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG21	3	0.79
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG22	3	0.79
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG23	3	0.79
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB2	15	0.79
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB3	15	0.79
(1,1882)	1:61:A:ASP:H	1:60:A:GLN:HB2	13	0.79
(1,1882)	1:61:A:ASP:H	1:60:A:GLN:HB2	15	0.79
(1,1769)	1:37:A:ARG:HA	1:41:A:SER:H	3	0.79
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA2	11	0.79
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA3	11	0.79
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA2	11	0.79
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA3	11	0.79
(1,1731)	1:29:A:VAL:H	1:28:A:ALA:H	7	0.79
(1,1731)	1:29:A:VAL:H	1:28:A:ALA:H	9	0.79
(1,1698)	1:21:A:GLY:H	1:20:A:LEU:HA	1	0.79
(1,1698)	1:21:A:GLY:H	1:20:A:LEU:HA	3	0.79
(1,1698)	1:21:A:GLY:H	1:20:A:LEU:HA	4	0.79
(1,1698)	1:21:A:GLY:H	1:20:A:LEU:HA	5	0.79
(1,1698)	1:21:A:GLY:H	1:20:A:LEU:HA	6	0.79
(1,1698)	1:21:A:GLY:H	1:20:A:LEU:HA	7	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1698)	1:21:A:GLY:H	1:20:A:LEU:HA	8	0.79
(1,1698)	1:21:A:GLY:H	1:20:A:LEU:HA	10	0.79
(1,1698)	1:21:A:GLY:H	1:20:A:LEU:HA	11	0.79
(1,1698)	1:21:A:GLY:H	1:20:A:LEU:HA	14	0.79
(1,1698)	1:21:A:GLY:H	1:20:A:LEU:HA	15	0.79
(1,1643)	1:13:A:PHE:HB2	1:14:A:ILE:HB	1	0.79
(1,1643)	1:13:A:PHE:HB3	1:14:A:ILE:HB	1	0.79
(1,1633)	1:13:A:PHE:H	1:11:A:LEU:H	7	0.79
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD1	5	0.79
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD2	5	0.79
(1,1591)	1:6:A:PHE:H	1:5:A:GLY:HA3	5	0.79
(1,1591)	1:6:A:PHE:H	1:5:A:GLY:HA3	6	0.79
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG11	1	0.79
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG12	1	0.79
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG13	1	0.79
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD11	12	0.79
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD12	12	0.79
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD13	12	0.79
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD21	12	0.79
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD22	12	0.79
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD23	12	0.79
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG2	9	0.79
(1,1436)	1:57:A:GLN:H	1:58:A:GLU:HG3	9	0.79
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE21	6	0.79
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE22	6	0.79
(1,1358)	1:35:A:TRP:HH2	1:36:A:ILE:HG13	9	0.79
(1,1358)	1:35:A:TRP:HH2	1:36:A:ILE:HG13	10	0.79
(1,1358)	1:35:A:TRP:HH2	1:36:A:ILE:HG13	11	0.79
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB1	3	0.79
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB2	3	0.79
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB3	3	0.79
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB1	6	0.79
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB2	6	0.79
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB3	6	0.79
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB1	9	0.79
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB2	9	0.79
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB3	9	0.79
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD11	4	0.79
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD12	4	0.79
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD13	4	0.79
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD11	8	0.79
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD12	8	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD13	8	0.79
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD11	10	0.79
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD12	10	0.79
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD13	10	0.79
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD11	14	0.79
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD12	14	0.79
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD13	14	0.79
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG21	12	0.79
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG22	12	0.79
(1,1284)	1:16:A:GLY:H	1:15:A:ILE:HG23	12	0.79
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD11	6	0.79
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD12	6	0.79
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD13	6	0.79
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD21	6	0.79
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD22	6	0.79
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD23	6	0.79
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD11	6	0.79
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD12	6	0.79
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD13	6	0.79
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD21	6	0.79
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD22	6	0.79
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD23	6	0.79
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG21	6	0.78
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG22	6	0.78
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG23	6	0.78
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	4	0.78
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	4	0.78
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	4	0.78
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	4	0.78
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	4	0.78
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	4	0.78
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG21	4	0.78
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG22	4	0.78
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG23	4	0.78
(1,2777)	1:45:A:THR:HA	1:48:A:ASN:HB2	2	0.78
(1,2777)	1:45:A:THR:HA	1:48:A:ASN:HB3	2	0.78
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	2	0.78
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	2	0.78
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	2	0.78
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	2	0.78
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD21	6	0.78
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD22	6	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD23	6	0.78
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD21	7	0.78
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD22	7	0.78
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD23	7	0.78
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD21	8	0.78
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD22	8	0.78
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD23	8	0.78
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD21	14	0.78
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD22	14	0.78
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD23	14	0.78
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG21	6	0.78
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG22	6	0.78
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG23	6	0.78
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	4	0.78
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	4	0.78
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	4	0.78
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	4	0.78
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	4	0.78
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	4	0.78
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG21	4	0.78
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG22	4	0.78
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG23	4	0.78
(1,2653)	1:45:A:THR:HA	1:48:A:ASN:HB2	2	0.78
(1,2653)	1:45:A:THR:HA	1:48:A:ASN:HB3	2	0.78
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	2	0.78
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	2	0.78
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	2	0.78
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	2	0.78
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD21	6	0.78
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD22	6	0.78
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD23	6	0.78
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD21	7	0.78
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD22	7	0.78
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD23	7	0.78
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD21	8	0.78
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD22	8	0.78
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD23	8	0.78
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD21	14	0.78
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD22	14	0.78
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD23	14	0.78
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG21	6	0.78
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG22	6	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG23	6	0.78
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	4	0.78
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	4	0.78
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	4	0.78
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	4	0.78
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	4	0.78
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	4	0.78
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG21	4	0.78
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG22	4	0.78
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG23	4	0.78
(1,2529)	1:45:A:THR:HA	1:48:A:ASN:HB2	2	0.78
(1,2529)	1:45:A:THR:HA	1:48:A:ASN:HB3	2	0.78
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	2	0.78
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	2	0.78
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	2	0.78
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	2	0.78
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD21	6	0.78
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD22	6	0.78
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD23	6	0.78
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD21	7	0.78
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD22	7	0.78
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD23	7	0.78
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD21	8	0.78
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD22	8	0.78
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD23	8	0.78
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD21	14	0.78
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD22	14	0.78
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD23	14	0.78
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG21	6	0.78
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG22	6	0.78
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG23	6	0.78
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	4	0.78
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	4	0.78
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	4	0.78
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	4	0.78
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	4	0.78
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	4	0.78
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG21	4	0.78
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG22	4	0.78
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG23	4	0.78
(1,2405)	1:45:A:THR:HA	1:48:A:ASN:HB2	2	0.78
(1,2405)	1:45:A:THR:HA	1:48:A:ASN:HB3	2	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	2	0.78
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	2	0.78
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	2	0.78
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	2	0.78
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD21	6	0.78
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD22	6	0.78
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD23	6	0.78
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD21	7	0.78
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD22	7	0.78
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD23	7	0.78
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD21	8	0.78
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD22	8	0.78
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD23	8	0.78
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD21	14	0.78
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD22	14	0.78
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD23	14	0.78
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG21	6	0.78
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG22	6	0.78
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG23	6	0.78
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	4	0.78
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	4	0.78
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	4	0.78
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	4	0.78
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	4	0.78
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	4	0.78
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG21	4	0.78
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG22	4	0.78
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG23	4	0.78
(1,2281)	1:45:A:THR:HA	1:48:A:ASN:HB2	2	0.78
(1,2281)	1:45:A:THR:HA	1:48:A:ASN:HB3	2	0.78
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	2	0.78
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	2	0.78
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	2	0.78
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	2	0.78
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD21	6	0.78
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD22	6	0.78
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD23	6	0.78
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD21	7	0.78
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD22	7	0.78
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD23	7	0.78
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD21	8	0.78
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD22	8	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD23	8	0.78
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD21	14	0.78
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD22	14	0.78
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD23	14	0.78
(1,2215)	1:98:A:ALA:H	1:99:A:ASN:HA	8	0.78
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB1	10	0.78
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB2	10	0.78
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB3	10	0.78
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE1	11	0.78
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE2	11	0.78
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE1	4	0.78
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE2	4	0.78
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE3	4	0.78
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE1	9	0.78
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE2	9	0.78
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE3	9	0.78
(1,2151)	1:91:A:SER:HB2	1:92:A:MET:HG3	3	0.78
(1,2151)	1:91:A:SER:HB3	1:92:A:MET:HG3	3	0.78
(1,2130)	1:87:A:GLN:HG2	1:86:A:ARG:H	12	0.78
(1,2130)	1:87:A:GLN:HG3	1:86:A:ARG:H	12	0.78
(1,2118)	1:86:A:ARG:HG3	1:86:A:ARG:H	2	0.78
(1,2118)	1:86:A:ARG:HG3	1:86:A:ARG:H	4	0.78
(1,2116)	1:86:A:ARG:HB3	1:83:A:ASP:HA	9	0.78
(1,2105)	1:84:A:GLU:HA	1:86:A:ARG:H	3	0.78
(1,2105)	1:84:A:GLU:HA	1:86:A:ARG:H	11	0.78
(1,2099)	1:84:A:GLU:H	1:83:A:ASP:HB3	14	0.78
(1,2066)	1:82:A:MET:HG2	1:79:A:LYS:HA	7	0.78
(1,2066)	1:82:A:MET:HG3	1:79:A:LYS:HA	7	0.78
(1,2038)	1:78:A:LEU:HA	1:81:A:SER:HB3	4	0.78
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD11	6	0.78
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD12	6	0.78
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD13	6	0.78
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD21	6	0.78
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD22	6	0.78
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD23	6	0.78
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD21	6	0.78
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD22	6	0.78
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD23	6	0.78
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB1	14	0.78
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB2	14	0.78
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB3	14	0.78
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB1	14	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB2	14	0.78
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB3	14	0.78
(1,1945)	1:67:A:GLU:HG2	1:66:A:VAL:H	4	0.78
(1,1945)	1:67:A:GLU:HG3	1:66:A:VAL:H	4	0.78
(1,1945)	1:67:A:GLU:HG2	1:66:A:VAL:H	13	0.78
(1,1945)	1:67:A:GLU:HG3	1:66:A:VAL:H	13	0.78
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG2	6	0.78
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG3	6	0.78
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD1	10	0.78
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD2	10	0.78
(1,1889)	1:62:A:SER:H	1:60:A:GLN:HA	4	0.78
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD11	12	0.78
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD12	12	0.78
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD13	12	0.78
(1,1869)	1:60:A:GLN:HE22	1:56:A:LEU:HB2	3	0.78
(1,1842)	1:51:A:THR:HA	1:52:A:GLN:H	14	0.78
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB1	1	0.78
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB2	1	0.78
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB3	1	0.78
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB1	5	0.78
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB2	5	0.78
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB3	5	0.78
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB1	7	0.78
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB2	7	0.78
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB3	7	0.78
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB1	12	0.78
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB2	12	0.78
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB3	12	0.78
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB1	14	0.78
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB2	14	0.78
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB3	14	0.78
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA2	10	0.78
(1,1765)	1:37:A:ARG:HB2	1:34:A:GLY:HA3	10	0.78
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA2	10	0.78
(1,1765)	1:37:A:ARG:HB3	1:34:A:GLY:HA3	10	0.78
(1,1731)	1:29:A:VAL:H	1:28:A:ALA:H	3	0.78
(1,1731)	1:29:A:VAL:H	1:28:A:ALA:H	5	0.78
(1,1731)	1:29:A:VAL:H	1:28:A:ALA:H	6	0.78
(1,1731)	1:29:A:VAL:H	1:28:A:ALA:H	13	0.78
(1,1731)	1:29:A:VAL:H	1:28:A:ALA:H	14	0.78
(1,1731)	1:29:A:VAL:H	1:28:A:ALA:H	15	0.78
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG11	10	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG12	10	0.78
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG13	10	0.78
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG21	10	0.78
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG22	10	0.78
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG23	10	0.78
(1,1698)	1:21:A:GLY:H	1:20:A:LEU:HA	9	0.78
(1,1696)	1:21:A:GLY:HA3	1:20:A:LEU:HB3	12	0.78
(1,1675)	1:16:A:GLY:H	1:18:A:VAL:H	13	0.78
(1,1633)	1:13:A:PHE:H	1:11:A:LEU:H	11	0.78
(1,1630)	1:12:A:VAL:HB	1:9:A:LEU:HA	7	0.78
(1,1600)	1:6:A:PHE:HA	1:9:A:LEU:H	1	0.78
(1,1600)	1:6:A:PHE:HA	1:9:A:LEU:H	2	0.78
(1,1600)	1:6:A:PHE:HA	1:9:A:LEU:H	4	0.78
(1,1600)	1:6:A:PHE:HA	1:9:A:LEU:H	9	0.78
(1,1600)	1:6:A:PHE:HA	1:9:A:LEU:H	10	0.78
(1,1600)	1:6:A:PHE:HA	1:9:A:LEU:H	14	0.78
(1,1387)	1:42:A:LEU:HD11	1:39:A:LEU:HA	6	0.78
(1,1387)	1:42:A:LEU:HD12	1:39:A:LEU:HA	6	0.78
(1,1387)	1:42:A:LEU:HD13	1:39:A:LEU:HA	6	0.78
(1,1387)	1:42:A:LEU:HD21	1:39:A:LEU:HA	6	0.78
(1,1387)	1:42:A:LEU:HD22	1:39:A:LEU:HA	6	0.78
(1,1387)	1:42:A:LEU:HD23	1:39:A:LEU:HA	6	0.78
(1,1358)	1:35:A:TRP:HH2	1:36:A:ILE:HG13	1	0.78
(1,1358)	1:35:A:TRP:HH2	1:36:A:ILE:HG13	2	0.78
(1,1358)	1:35:A:TRP:HH2	1:36:A:ILE:HG13	6	0.78
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG11	4	0.78
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG12	4	0.78
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG13	4	0.78
(1,1328)	1:27:A:VAL:HB	1:28:A:ALA:HA	12	0.78
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB1	4	0.78
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB2	4	0.78
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB3	4	0.78
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB1	5	0.78
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB2	5	0.78
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB3	5	0.78
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB1	7	0.78
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB2	7	0.78
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB3	7	0.78
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB1	8	0.78
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB2	8	0.78
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB3	8	0.78
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB1	10	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB2	10	0.78
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB3	10	0.78
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB1	14	0.78
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB2	14	0.78
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB3	14	0.78
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB1	15	0.78
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB2	15	0.78
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB3	15	0.78
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD11	1	0.78
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD12	1	0.78
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD13	1	0.78
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD11	3	0.78
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD12	3	0.78
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD13	3	0.78
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD11	5	0.78
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD12	5	0.78
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD13	5	0.78
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD11	6	0.78
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD12	6	0.78
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD13	6	0.78
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD11	7	0.78
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD12	7	0.78
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD13	7	0.78
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD11	15	0.78
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD12	15	0.78
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD13	15	0.78
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD21	13	0.78
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD22	13	0.78
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD23	13	0.78
(1,932)	1:9:A:LEU:HD11	1:13:A:PHE:HE1	11	0.78
(1,932)	1:9:A:LEU:HD11	1:13:A:PHE:HE2	11	0.78
(1,932)	1:9:A:LEU:HD12	1:13:A:PHE:HE1	11	0.78
(1,932)	1:9:A:LEU:HD12	1:13:A:PHE:HE2	11	0.78
(1,932)	1:9:A:LEU:HD13	1:13:A:PHE:HE1	11	0.78
(1,932)	1:9:A:LEU:HD13	1:13:A:PHE:HE2	11	0.78
(1,932)	1:9:A:LEU:HD21	1:13:A:PHE:HE1	11	0.78
(1,932)	1:9:A:LEU:HD21	1:13:A:PHE:HE2	11	0.78
(1,932)	1:9:A:LEU:HD22	1:13:A:PHE:HE1	11	0.78
(1,932)	1:9:A:LEU:HD22	1:13:A:PHE:HE2	11	0.78
(1,932)	1:9:A:LEU:HD23	1:13:A:PHE:HE1	11	0.78
(1,932)	1:9:A:LEU:HD23	1:13:A:PHE:HE2	11	0.78
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD11	4	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD12	4	0.78
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD13	4	0.78
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD21	4	0.78
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD22	4	0.78
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD23	4	0.78
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD11	4	0.78
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD12	4	0.78
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD13	4	0.78
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD21	4	0.78
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD22	4	0.78
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD23	4	0.78
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD11	14	0.78
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD12	14	0.78
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD13	14	0.78
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD21	14	0.78
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD22	14	0.78
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD23	14	0.78
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD11	14	0.78
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD12	14	0.78
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD13	14	0.78
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD21	14	0.78
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD22	14	0.78
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD23	14	0.78
(1,901)	1:90:A:GLU:HA	1:93:A:LYS:HG3	10	0.78
(1,2845)	1:71:A:LEU:H	1:68:A:LYS:HG2	3	0.77
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG2	2	0.77
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG3	2	0.77
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	7	0.77
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	7	0.77
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	7	0.77
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	7	0.77
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	7	0.77
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	7	0.77
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB2	4	0.77
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB3	4	0.77
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD21	1	0.77
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD22	1	0.77
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD23	1	0.77
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD21	3	0.77
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD22	3	0.77
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD23	3	0.77
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD21	4	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD22	4	0.77
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD23	4	0.77
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD21	5	0.77
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD22	5	0.77
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD23	5	0.77
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD21	10	0.77
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD22	10	0.77
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD23	10	0.77
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD21	11	0.77
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD22	11	0.77
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD23	11	0.77
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD21	15	0.77
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD22	15	0.77
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD23	15	0.77
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD21	12	0.77
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD22	12	0.77
(1,2749)	1:17:A:LEU:H	1:25:A:LEU:HD23	12	0.77
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	15	0.77
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	15	0.77
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	15	0.77
(1,2721)	1:71:A:LEU:H	1:68:A:LYS:HG2	3	0.77
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG2	2	0.77
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG3	2	0.77
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	7	0.77
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	7	0.77
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	7	0.77
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	7	0.77
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	7	0.77
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	7	0.77
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB2	4	0.77
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB3	4	0.77
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD21	1	0.77
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD22	1	0.77
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD23	1	0.77
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD21	3	0.77
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD22	3	0.77
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD23	3	0.77
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD21	4	0.77
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD22	4	0.77
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD23	4	0.77
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD21	5	0.77
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD22	5	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD23	5	0.77
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD21	10	0.77
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD22	10	0.77
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD23	10	0.77
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD21	11	0.77
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD22	11	0.77
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD23	11	0.77
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD21	15	0.77
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD22	15	0.77
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD23	15	0.77
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD21	12	0.77
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD22	12	0.77
(1,2625)	1:17:A:LEU:H	1:25:A:LEU:HD23	12	0.77
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	15	0.77
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	15	0.77
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	15	0.77
(1,2597)	1:71:A:LEU:H	1:68:A:LYS:HG2	3	0.77
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG2	2	0.77
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG3	2	0.77
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	7	0.77
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	7	0.77
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	7	0.77
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	7	0.77
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	7	0.77
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	7	0.77
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB2	4	0.77
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB3	4	0.77
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD21	1	0.77
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD22	1	0.77
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD23	1	0.77
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD21	3	0.77
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD22	3	0.77
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD23	3	0.77
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD21	4	0.77
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD22	4	0.77
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD23	4	0.77
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD21	5	0.77
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD22	5	0.77
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD23	5	0.77
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD21	10	0.77
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD22	10	0.77
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD23	10	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD21	11	0.77
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD22	11	0.77
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD23	11	0.77
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD21	15	0.77
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD22	15	0.77
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD23	15	0.77
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD21	12	0.77
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD22	12	0.77
(1,2501)	1:17:A:LEU:H	1:25:A:LEU:HD23	12	0.77
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	15	0.77
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	15	0.77
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	15	0.77
(1,2473)	1:71:A:LEU:H	1:68:A:LYS:HG2	3	0.77
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG2	2	0.77
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG3	2	0.77
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	7	0.77
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	7	0.77
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	7	0.77
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	7	0.77
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	7	0.77
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	7	0.77
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB2	4	0.77
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB3	4	0.77
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD21	1	0.77
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD22	1	0.77
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD23	1	0.77
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD21	3	0.77
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD22	3	0.77
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD23	3	0.77
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD21	4	0.77
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD22	4	0.77
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD23	4	0.77
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD21	5	0.77
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD22	5	0.77
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD23	5	0.77
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD21	10	0.77
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD22	10	0.77
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD23	10	0.77
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD21	11	0.77
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD22	11	0.77
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD23	11	0.77
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD21	15	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD22	15	0.77
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD23	15	0.77
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD21	12	0.77
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD22	12	0.77
(1,2377)	1:17:A:LEU:H	1:25:A:LEU:HD23	12	0.77
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	15	0.77
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	15	0.77
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	15	0.77
(1,2349)	1:71:A:LEU:H	1:68:A:LYS:HG2	3	0.77
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG2	2	0.77
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG3	2	0.77
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	7	0.77
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	7	0.77
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	7	0.77
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	7	0.77
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	7	0.77
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	7	0.77
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB2	4	0.77
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB3	4	0.77
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD21	1	0.77
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD22	1	0.77
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD23	1	0.77
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD21	3	0.77
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD22	3	0.77
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD23	3	0.77
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD21	4	0.77
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD22	4	0.77
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD23	4	0.77
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD21	5	0.77
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD22	5	0.77
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD23	5	0.77
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD21	10	0.77
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD22	10	0.77
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD23	10	0.77
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD21	11	0.77
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD22	11	0.77
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD23	11	0.77
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD21	15	0.77
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD22	15	0.77
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD23	15	0.77
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD21	12	0.77
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD22	12	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2253)	1:17:A:LEU:H	1:25:A:LEU:HD23	12	0.77
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	15	0.77
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	15	0.77
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	15	0.77
(1,2212)	1:98:A:ALA:HA	1:97:A:VAL:HB	11	0.77
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE1	6	0.77
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE2	6	0.77
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE3	6	0.77
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE1	14	0.77
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE2	14	0.77
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE3	14	0.77
(1,2118)	1:86:A:ARG:HG3	1:86:A:ARG:H	1	0.77
(1,2118)	1:86:A:ARG:HG3	1:86:A:ARG:H	6	0.77
(1,2118)	1:86:A:ARG:HG3	1:86:A:ARG:H	8	0.77
(1,2118)	1:86:A:ARG:HG3	1:86:A:ARG:H	9	0.77
(1,2118)	1:86:A:ARG:HG3	1:86:A:ARG:H	15	0.77
(1,2106)	1:84:A:GLU:HA	1:87:A:GLN:HE21	1	0.77
(1,2105)	1:84:A:GLU:HA	1:86:A:ARG:H	5	0.77
(1,2069)	1:82:A:MET:HG3	1:83:A:ASP:H	7	0.77
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD11	5	0.77
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD12	5	0.77
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD13	5	0.77
(1,2036)	1:78:A:LEU:H	1:77:A:GLU:HB3	6	0.77
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB2	3	0.77
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB3	3	0.77
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD11	6	0.77
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD12	6	0.77
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD13	6	0.77
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD11	8	0.77
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD12	8	0.77
(1,1980)	1:72:A:THR:H	1:71:A:LEU:HD13	8	0.77
(1,1970)	1:70:A:SER:HA	1:74:A:LEU:HG	1	0.77
(1,1970)	1:70:A:SER:HA	1:74:A:LEU:HG	2	0.77
(1,1970)	1:70:A:SER:HA	1:74:A:LEU:HG	10	0.77
(1,1970)	1:70:A:SER:HA	1:74:A:LEU:HG	12	0.77
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB1	4	0.77
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB2	4	0.77
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB3	4	0.77
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB1	4	0.77
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB2	4	0.77
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB3	4	0.77
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB1	5	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB2	5	0.77
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB3	5	0.77
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB1	5	0.77
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB2	5	0.77
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB3	5	0.77
(1,1960)	1:69:A:ALA:HA	1:72:A:THR:H	11	0.77
(1,1945)	1:67:A:GLU:HG2	1:66:A:VAL:H	1	0.77
(1,1945)	1:67:A:GLU:HG3	1:66:A:VAL:H	1	0.77
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB1	13	0.77
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB2	13	0.77
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB3	13	0.77
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG21	15	0.77
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG22	15	0.77
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG23	15	0.77
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG11	15	0.77
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG12	15	0.77
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG13	15	0.77
(1,1867)	1:57:A:GLN:H	1:55:A:LYS:HG3	12	0.77
(1,1860)	1:54:A:LEU:HG	1:55:A:LYS:H	6	0.77
(1,1858)	1:54:A:LEU:H	1:53:A:GLU:HG2	12	0.77
(1,1858)	1:54:A:LEU:H	1:53:A:GLU:HG3	12	0.77
(1,1837)	1:49:A:GLU:H	1:48:A:ASN:HA	10	0.77
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB1	6	0.77
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB2	6	0.77
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB3	6	0.77
(1,1731)	1:29:A:VAL:H	1:28:A:ALA:H	4	0.77
(1,1731)	1:29:A:VAL:H	1:28:A:ALA:H	8	0.77
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD1	9	0.77
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD2	9	0.77
(1,1651)	1:13:A:PHE:HE1	1:17:A:LEU:HG	11	0.77
(1,1651)	1:13:A:PHE:HE2	1:17:A:LEU:HG	11	0.77
(1,1542)	1:1:A:MET:HE1	1:2:A:PHE:H	4	0.77
(1,1542)	1:1:A:MET:HE2	1:2:A:PHE:H	4	0.77
(1,1542)	1:1:A:MET:HE3	1:2:A:PHE:H	4	0.77
(1,1541)	1:1:A:MET:HE1	1:2:A:PHE:HZ	8	0.77
(1,1541)	1:1:A:MET:HE2	1:2:A:PHE:HZ	8	0.77
(1,1541)	1:1:A:MET:HE3	1:2:A:PHE:HZ	8	0.77
(1,1531)	1:96:A:TYR:HB2	1:98:A:ALA:H	14	0.77
(1,1531)	1:96:A:TYR:HB3	1:98:A:ALA:H	14	0.77
(1,1453)	1:67:A:GLU:HG2	1:70:A:SER:H	3	0.77
(1,1453)	1:67:A:GLU:HG3	1:70:A:SER:H	3	0.77
(1,1453)	1:67:A:GLU:HG2	1:70:A:SER:H	13	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1453)	1:67:A:GLU:HG3	1:70:A:SER:H	13	0.77
(1,1358)	1:35:A:TRP:HH2	1:36:A:ILE:HG13	3	0.77
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB1	13	0.77
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB2	13	0.77
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB3	13	0.77
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG21	11	0.77
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG22	11	0.77
(1,1283)	1:16:A:GLY:H	1:14:A:ILE:HG23	11	0.77
(1,932)	1:9:A:LEU:HD11	1:13:A:PHE:HE1	8	0.77
(1,932)	1:9:A:LEU:HD11	1:13:A:PHE:HE2	8	0.77
(1,932)	1:9:A:LEU:HD12	1:13:A:PHE:HE1	8	0.77
(1,932)	1:9:A:LEU:HD12	1:13:A:PHE:HE2	8	0.77
(1,932)	1:9:A:LEU:HD13	1:13:A:PHE:HE1	8	0.77
(1,932)	1:9:A:LEU:HD13	1:13:A:PHE:HE2	8	0.77
(1,932)	1:9:A:LEU:HD21	1:13:A:PHE:HE1	8	0.77
(1,932)	1:9:A:LEU:HD21	1:13:A:PHE:HE2	8	0.77
(1,932)	1:9:A:LEU:HD22	1:13:A:PHE:HE1	8	0.77
(1,932)	1:9:A:LEU:HD22	1:13:A:PHE:HE2	8	0.77
(1,932)	1:9:A:LEU:HD23	1:13:A:PHE:HE1	8	0.77
(1,932)	1:9:A:LEU:HD23	1:13:A:PHE:HE2	8	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD11	2	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD12	2	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD13	2	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD21	2	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD22	2	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD23	2	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD11	2	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD12	2	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD13	2	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD21	2	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD22	2	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD23	2	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD11	5	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD12	5	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD13	5	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD21	5	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD22	5	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD23	5	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD11	5	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD12	5	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD13	5	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD21	5	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD22	5	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD23	5	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD11	9	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD12	9	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD13	9	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD21	9	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD22	9	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD23	9	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD11	9	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD12	9	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD13	9	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD21	9	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD22	9	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD23	9	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD11	10	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD12	10	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD13	10	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD21	10	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD22	10	0.77
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD23	10	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD11	10	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD12	10	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD13	10	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD21	10	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD22	10	0.77
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD23	10	0.77
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD11	13	0.76
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD12	13	0.76
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD13	13	0.76
(1,2845)	1:71:A:LEU:H	1:68:A:LYS:HG2	9	0.76
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD11	6	0.76
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD12	6	0.76
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD13	6	0.76
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD21	6	0.76
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD22	6	0.76
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD23	6	0.76
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	2	0.76
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	2	0.76
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	2	0.76
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	2	0.76
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	2	0.76
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	2	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG2	11	0.76
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG3	11	0.76
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	3	0.76
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	3	0.76
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	3	0.76
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	3	0.76
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	3	0.76
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	3	0.76
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	6	0.76
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	6	0.76
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	6	0.76
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	6	0.76
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	6	0.76
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	6	0.76
(1,2793)	1:49:A:GLU:H	1:44:A:THR:HA	1	0.76
(1,2793)	1:49:A:GLU:H	1:44:A:THR:HA	7	0.76
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG21	3	0.76
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG22	3	0.76
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG23	3	0.76
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG21	12	0.76
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG22	12	0.76
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG23	12	0.76
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG21	12	0.76
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG22	12	0.76
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG23	12	0.76
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD11	13	0.76
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD12	13	0.76
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD13	13	0.76
(1,2721)	1:71:A:LEU:H	1:68:A:LYS:HG2	9	0.76
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD11	6	0.76
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD12	6	0.76
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD13	6	0.76
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD21	6	0.76
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD22	6	0.76
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD23	6	0.76
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	2	0.76
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	2	0.76
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	2	0.76
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	2	0.76
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	2	0.76
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	2	0.76
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG2	11	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG3	11	0.76
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	3	0.76
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	3	0.76
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	3	0.76
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	3	0.76
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	3	0.76
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	3	0.76
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	6	0.76
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	6	0.76
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	6	0.76
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	6	0.76
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	6	0.76
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	6	0.76
(1,2669)	1:49:A:GLU:H	1:44:A:THR:HA	1	0.76
(1,2669)	1:49:A:GLU:H	1:44:A:THR:HA	7	0.76
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG21	3	0.76
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG22	3	0.76
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG23	3	0.76
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG21	12	0.76
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG22	12	0.76
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG23	12	0.76
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG21	12	0.76
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG22	12	0.76
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG23	12	0.76
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD11	13	0.76
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD12	13	0.76
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD13	13	0.76
(1,2597)	1:71:A:LEU:H	1:68:A:LYS:HG2	9	0.76
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD11	6	0.76
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD12	6	0.76
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD13	6	0.76
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD21	6	0.76
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD22	6	0.76
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD23	6	0.76
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	2	0.76
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	2	0.76
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	2	0.76
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	2	0.76
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	2	0.76
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	2	0.76
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG2	11	0.76
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG3	11	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	3	0.76
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	3	0.76
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	3	0.76
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	3	0.76
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	3	0.76
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	3	0.76
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	6	0.76
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	6	0.76
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	6	0.76
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	6	0.76
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	6	0.76
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	6	0.76
(1,2545)	1:49:A:GLU:H	1:44:A:THR:HA	1	0.76
(1,2545)	1:49:A:GLU:H	1:44:A:THR:HA	7	0.76
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG21	3	0.76
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG22	3	0.76
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG23	3	0.76
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG21	12	0.76
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG22	12	0.76
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG23	12	0.76
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG21	12	0.76
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG22	12	0.76
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG23	12	0.76
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD11	13	0.76
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD12	13	0.76
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD13	13	0.76
(1,2473)	1:71:A:LEU:H	1:68:A:LYS:HG2	9	0.76
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD11	6	0.76
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD12	6	0.76
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD13	6	0.76
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD21	6	0.76
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD22	6	0.76
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD23	6	0.76
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	2	0.76
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	2	0.76
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	2	0.76
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	2	0.76
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	2	0.76
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	2	0.76
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG2	11	0.76
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG3	11	0.76
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	3	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	3	0.76
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	3	0.76
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	3	0.76
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	3	0.76
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	3	0.76
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	6	0.76
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	6	0.76
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	6	0.76
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	6	0.76
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	6	0.76
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	6	0.76
(1,2421)	1:49:A:GLU:H	1:44:A:THR:HA	1	0.76
(1,2421)	1:49:A:GLU:H	1:44:A:THR:HA	7	0.76
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG21	3	0.76
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG22	3	0.76
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG23	3	0.76
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG21	12	0.76
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG22	12	0.76
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG23	12	0.76
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG21	12	0.76
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG22	12	0.76
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG23	12	0.76
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD11	13	0.76
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD12	13	0.76
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD13	13	0.76
(1,2349)	1:71:A:LEU:H	1:68:A:LYS:HG2	9	0.76
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD11	6	0.76
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD12	6	0.76
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD13	6	0.76
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD21	6	0.76
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD22	6	0.76
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD23	6	0.76
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	2	0.76
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	2	0.76
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	2	0.76
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	2	0.76
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	2	0.76
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	2	0.76
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG2	11	0.76
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG3	11	0.76
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	3	0.76
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	3	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	3	0.76
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	3	0.76
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	3	0.76
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	3	0.76
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	6	0.76
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	6	0.76
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	6	0.76
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	6	0.76
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	6	0.76
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	6	0.76
(1,2297)	1:49:A:GLU:H	1:44:A:THR:HA	1	0.76
(1,2297)	1:49:A:GLU:H	1:44:A:THR:HA	7	0.76
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG21	3	0.76
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG22	3	0.76
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG23	3	0.76
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG21	12	0.76
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG22	12	0.76
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG23	12	0.76
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG21	12	0.76
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG22	12	0.76
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG23	12	0.76
(1,2234)	1:101:A:PRO:HD2	1:103:A:GLU:H	4	0.76
(1,2234)	1:101:A:PRO:HD3	1:103:A:GLU:H	4	0.76
(1,2231)	1:101:A:PRO:HG2	1:102:A:LEU:HG	4	0.76
(1,2218)	1:99:A:ASN:H	1:97:A:VAL:H	1	0.76
(1,2218)	1:99:A:ASN:H	1:97:A:VAL:H	13	0.76
(1,2218)	1:99:A:ASN:H	1:97:A:VAL:H	15	0.76
(1,2173)	1:94:A:ARG:HG2	1:95:A:SER:H	14	0.76
(1,2169)	1:94:A:ARG:H	1:93:A:LYS:HG2	4	0.76
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE1	5	0.76
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE2	5	0.76
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE3	5	0.76
(1,2118)	1:86:A:ARG:HG3	1:86:A:ARG:H	7	0.76
(1,2118)	1:86:A:ARG:HG3	1:86:A:ARG:H	12	0.76
(1,2118)	1:86:A:ARG:HG3	1:86:A:ARG:H	13	0.76
(1,2116)	1:86:A:ARG:HB3	1:83:A:ASP:HA	10	0.76
(1,2105)	1:84:A:GLU:HA	1:86:A:ARG:H	8	0.76
(1,2105)	1:84:A:GLU:HA	1:86:A:ARG:H	12	0.76
(1,2099)	1:84:A:GLU:H	1:83:A:ASP:HB3	10	0.76
(1,2069)	1:82:A:MET:HG3	1:83:A:ASP:H	8	0.76
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD11	2	0.76
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD12	2	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD13	2	0.76
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD11	4	0.76
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD12	4	0.76
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD13	4	0.76
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD11	9	0.76
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD12	9	0.76
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD13	9	0.76
(1,2038)	1:78:A:LEU:HA	1:81:A:SER:HB3	6	0.76
(1,2038)	1:78:A:LEU:HA	1:81:A:SER:HB3	8	0.76
(1,2038)	1:78:A:LEU:HA	1:81:A:SER:HB3	13	0.76
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB1	13	0.76
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB2	13	0.76
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB3	13	0.76
(1,2019)	1:76:A:PRO:HA	1:79:A:LYS:HG2	6	0.76
(1,2019)	1:76:A:PRO:HA	1:79:A:LYS:HG3	6	0.76
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB2	9	0.76
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB3	9	0.76
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG21	5	0.76
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG22	5	0.76
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG23	5	0.76
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG21	5	0.76
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG22	5	0.76
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG23	5	0.76
(1,1970)	1:70:A:SER:HA	1:74:A:LEU:HG	5	0.76
(1,1970)	1:70:A:SER:HA	1:74:A:LEU:HG	7	0.76
(1,1945)	1:67:A:GLU:HG2	1:66:A:VAL:H	6	0.76
(1,1945)	1:67:A:GLU:HG3	1:66:A:VAL:H	6	0.76
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB1	9	0.76
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB2	9	0.76
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB3	9	0.76
(1,1930)	1:65:A:LYS:H	1:67:A:GLU:H	6	0.76
(1,1873)	1:60:A:GLN:HG2	1:61:A:ASP:H	13	0.76
(1,1873)	1:60:A:GLN:HG3	1:61:A:ASP:H	13	0.76
(1,1860)	1:54:A:LEU:HG	1:55:A:LYS:H	3	0.76
(1,1818)	1:46:A:VAL:HA	1:45:A:THR:HB	11	0.76
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB1	13	0.76
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB2	13	0.76
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB3	13	0.76
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB1	2	0.76
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB2	2	0.76
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB3	2	0.76
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB1	3	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB2	3	0.76
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB3	3	0.76
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG11	5	0.76
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG12	5	0.76
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG13	5	0.76
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG21	5	0.76
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG22	5	0.76
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG23	5	0.76
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA2	9	0.76
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA3	9	0.76
(1,1653)	1:14:A:ILE:HA	1:13:A:PHE:HD1	7	0.76
(1,1653)	1:14:A:ILE:HA	1:13:A:PHE:HD2	7	0.76
(1,1644)	1:13:A:PHE:HA	1:16:A:GLY:H	6	0.76
(1,1589)	1:6:A:PHE:HE1	1:4:A:ILE:HA	12	0.76
(1,1589)	1:6:A:PHE:HE2	1:4:A:ILE:HA	12	0.76
(1,1551)	1:2:A:PHE:HD1	1:3:A:ASP:H	15	0.76
(1,1551)	1:2:A:PHE:HD2	1:3:A:ASP:H	15	0.76
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG21	9	0.76
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG22	9	0.76
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG23	9	0.76
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG21	9	0.76
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG22	9	0.76
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG23	9	0.76
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD11	11	0.76
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD12	11	0.76
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD13	11	0.76
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD21	11	0.76
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD22	11	0.76
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD23	11	0.76
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD11	13	0.76
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD12	13	0.76
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD13	13	0.76
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD21	13	0.76
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD22	13	0.76
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD23	13	0.76
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB3	15	0.76
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB3	15	0.76
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB3	15	0.76
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB3	15	0.76
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB3	15	0.76
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB3	15	0.76
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB2	15	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB2	15	0.76
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB2	15	0.76
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB2	15	0.76
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB2	15	0.76
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB2	15	0.76
(1,1386)	1:42:A:LEU:HD11	1:39:A:LEU:H	3	0.76
(1,1386)	1:42:A:LEU:HD12	1:39:A:LEU:H	3	0.76
(1,1386)	1:42:A:LEU:HD13	1:39:A:LEU:H	3	0.76
(1,1386)	1:42:A:LEU:HD21	1:39:A:LEU:H	3	0.76
(1,1386)	1:42:A:LEU:HD22	1:39:A:LEU:H	3	0.76
(1,1386)	1:42:A:LEU:HD23	1:39:A:LEU:H	3	0.76
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB1	10	0.76
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB2	10	0.76
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB3	10	0.76
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB1	10	0.76
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB2	10	0.76
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB3	10	0.76
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD11	11	0.76
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD12	11	0.76
(1,1286)	1:16:A:GLY:H	1:17:A:LEU:HD13	11	0.76
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG21	15	0.76
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG22	15	0.76
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG23	15	0.76
(1,906)	1:71:A:LEU:HG	1:72:A:THR:H	15	0.76
(1,236)	1:4:A:ILE:HB	1:5:A:GLY:H	11	0.76
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD11	8	0.75
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD12	8	0.75
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD13	8	0.75
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD21	8	0.75
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD22	8	0.75
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD23	8	0.75
(1,2826)	1:57:A:GLN:H	1:54:A:LEU:HA	6	0.75
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB2	7	0.75
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB3	7	0.75
(1,2793)	1:49:A:GLU:H	1:44:A:THR:HA	13	0.75
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG21	6	0.75
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG22	6	0.75
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG23	6	0.75
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	9	0.75
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	9	0.75
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	9	0.75
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	9	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	9	0.75
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	9	0.75
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD11	8	0.75
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD12	8	0.75
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD13	8	0.75
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD21	8	0.75
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD22	8	0.75
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD23	8	0.75
(1,2702)	1:57:A:GLN:H	1:54:A:LEU:HA	6	0.75
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB2	7	0.75
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB3	7	0.75
(1,2669)	1:49:A:GLU:H	1:44:A:THR:HA	13	0.75
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG21	6	0.75
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG22	6	0.75
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG23	6	0.75
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	9	0.75
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	9	0.75
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	9	0.75
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	9	0.75
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	9	0.75
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	9	0.75
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD11	8	0.75
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD12	8	0.75
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD13	8	0.75
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD21	8	0.75
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD22	8	0.75
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD23	8	0.75
(1,2578)	1:57:A:GLN:H	1:54:A:LEU:HA	6	0.75
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB2	7	0.75
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB3	7	0.75
(1,2545)	1:49:A:GLU:H	1:44:A:THR:HA	13	0.75
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG21	6	0.75
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG22	6	0.75
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG23	6	0.75
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	9	0.75
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	9	0.75
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	9	0.75
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	9	0.75
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	9	0.75
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	9	0.75
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD11	8	0.75
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD12	8	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD13	8	0.75
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD21	8	0.75
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD22	8	0.75
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD23	8	0.75
(1,2454)	1:57:A:GLN:H	1:54:A:LEU:HA	6	0.75
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB2	7	0.75
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB3	7	0.75
(1,2421)	1:49:A:GLU:H	1:44:A:THR:HA	13	0.75
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG21	6	0.75
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG22	6	0.75
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG23	6	0.75
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	9	0.75
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	9	0.75
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	9	0.75
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	9	0.75
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	9	0.75
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	9	0.75
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD11	8	0.75
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD12	8	0.75
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD13	8	0.75
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD21	8	0.75
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD22	8	0.75
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD23	8	0.75
(1,2330)	1:57:A:GLN:H	1:54:A:LEU:HA	6	0.75
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB2	7	0.75
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB3	7	0.75
(1,2297)	1:49:A:GLU:H	1:44:A:THR:HA	13	0.75
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG21	6	0.75
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG22	6	0.75
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG23	6	0.75
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	9	0.75
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	9	0.75
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	9	0.75
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	9	0.75
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	9	0.75
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	9	0.75
(1,2241)	1:103:A:GLU:HB2	1:102:A:LEU:HG	2	0.75
(1,2241)	1:103:A:GLU:HB3	1:102:A:LEU:HG	2	0.75
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB1	7	0.75
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB2	7	0.75
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB3	7	0.75
(1,2212)	1:98:A:ALA:HA	1:97:A:VAL:HB	12	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE1	7	0.75
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE2	7	0.75
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE3	7	0.75
(1,2106)	1:84:A:GLU:HA	1:87:A:GLN:HE21	7	0.75
(1,2097)	1:84:A:GLU:HA	1:83:A:ASP:HB3	12	0.75
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD11	1	0.75
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD12	1	0.75
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD13	1	0.75
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD11	10	0.75
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD12	10	0.75
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD13	10	0.75
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD11	11	0.75
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD12	11	0.75
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD13	11	0.75
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD11	12	0.75
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD12	12	0.75
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD13	12	0.75
(1,2038)	1:78:A:LEU:HA	1:81:A:SER:HB3	12	0.75
(1,2036)	1:78:A:LEU:H	1:77:A:GLU:HB3	3	0.75
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG21	7	0.75
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG22	7	0.75
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG23	7	0.75
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG21	7	0.75
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG22	7	0.75
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG23	7	0.75
(1,1970)	1:70:A:SER:HA	1:74:A:LEU:HG	11	0.75
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD11	7	0.75
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD12	7	0.75
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD13	7	0.75
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD21	7	0.75
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD22	7	0.75
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD23	7	0.75
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD21	7	0.75
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD22	7	0.75
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD23	7	0.75
(1,1945)	1:67:A:GLU:HG2	1:66:A:VAL:H	14	0.75
(1,1945)	1:67:A:GLU:HG3	1:66:A:VAL:H	14	0.75
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG21	1	0.75
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG22	1	0.75
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG23	1	0.75
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG11	1	0.75
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG12	1	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG13	1	0.75
(1,1901)	1:63:A:LEU:H	1:62:A:SER:HB2	5	0.75
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD11	8	0.75
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD12	8	0.75
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD13	8	0.75
(1,1866)	1:56:A:LEU:HB2	1:60:A:GLN:HE21	13	0.75
(1,1860)	1:54:A:LEU:HG	1:55:A:LYS:H	4	0.75
(1,1818)	1:46:A:VAL:HA	1:45:A:THR:HB	10	0.75
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB1	8	0.75
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB2	8	0.75
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB3	8	0.75
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB1	1	0.75
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB2	1	0.75
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB3	1	0.75
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB1	6	0.75
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB2	6	0.75
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB3	6	0.75
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB1	7	0.75
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB2	7	0.75
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB3	7	0.75
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB1	9	0.75
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB2	9	0.75
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB3	9	0.75
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB1	10	0.75
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB2	10	0.75
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB3	10	0.75
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB1	11	0.75
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB2	11	0.75
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB3	11	0.75
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB1	2	0.75
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB2	2	0.75
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB3	2	0.75
(1,1736)	1:29:A:VAL:HA	1:32:A:VAL:HB	3	0.75
(1,1736)	1:29:A:VAL:HA	1:32:A:VAL:HB	7	0.75
(1,1736)	1:29:A:VAL:HA	1:32:A:VAL:HB	9	0.75
(1,1731)	1:29:A:VAL:H	1:28:A:ALA:H	11	0.75
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA2	1	0.75
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA3	1	0.75
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA2	3	0.75
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA3	3	0.75
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA2	4	0.75
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA3	4	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA2	7	0.75
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA3	7	0.75
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA2	8	0.75
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA3	8	0.75
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA2	10	0.75
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA3	10	0.75
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA2	11	0.75
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA3	11	0.75
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA2	14	0.75
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA3	14	0.75
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA2	15	0.75
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA3	15	0.75
(1,1653)	1:14:A:ILE:HA	1:13:A:PHE:HD1	3	0.75
(1,1653)	1:14:A:ILE:HA	1:13:A:PHE:HD2	3	0.75
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD11	11	0.75
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD12	11	0.75
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD13	11	0.75
(1,1644)	1:13:A:PHE:HA	1:16:A:GLY:H	5	0.75
(1,1551)	1:2:A:PHE:HD1	1:3:A:ASP:H	13	0.75
(1,1551)	1:2:A:PHE:HD2	1:3:A:ASP:H	13	0.75
(1,1450)	1:66:A:VAL:HA	1:70:A:SER:H	2	0.75
(1,1450)	1:66:A:VAL:HA	1:70:A:SER:H	12	0.75
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD11	14	0.75
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD12	14	0.75
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD13	14	0.75
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD21	14	0.75
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD22	14	0.75
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD23	14	0.75
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD11	3	0.75
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD12	3	0.75
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD13	3	0.75
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD11	4	0.75
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD12	4	0.75
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD13	4	0.75
(1,1387)	1:42:A:LEU:HD11	1:39:A:LEU:HA	3	0.75
(1,1387)	1:42:A:LEU:HD12	1:39:A:LEU:HA	3	0.75
(1,1387)	1:42:A:LEU:HD13	1:39:A:LEU:HA	3	0.75
(1,1387)	1:42:A:LEU:HD21	1:39:A:LEU:HA	3	0.75
(1,1387)	1:42:A:LEU:HD22	1:39:A:LEU:HA	3	0.75
(1,1387)	1:42:A:LEU:HD23	1:39:A:LEU:HA	3	0.75
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB1	8	0.75
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB2	8	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB3	8	0.75
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB1	8	0.75
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB2	8	0.75
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB3	8	0.75
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB1	9	0.75
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB2	9	0.75
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB3	9	0.75
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB1	9	0.75
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB2	9	0.75
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB3	9	0.75
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD11	9	0.75
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD12	9	0.75
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD13	9	0.75
(1,955)	1:10:A:LEU:HD11	1:13:A:PHE:HD1	13	0.75
(1,955)	1:10:A:LEU:HD11	1:13:A:PHE:HD2	13	0.75
(1,955)	1:10:A:LEU:HD12	1:13:A:PHE:HD1	13	0.75
(1,955)	1:10:A:LEU:HD12	1:13:A:PHE:HD2	13	0.75
(1,955)	1:10:A:LEU:HD13	1:13:A:PHE:HD1	13	0.75
(1,955)	1:10:A:LEU:HD13	1:13:A:PHE:HD2	13	0.75
(1,955)	1:10:A:LEU:HD21	1:13:A:PHE:HD1	13	0.75
(1,955)	1:10:A:LEU:HD21	1:13:A:PHE:HD2	13	0.75
(1,955)	1:10:A:LEU:HD22	1:13:A:PHE:HD1	13	0.75
(1,955)	1:10:A:LEU:HD22	1:13:A:PHE:HD2	13	0.75
(1,955)	1:10:A:LEU:HD23	1:13:A:PHE:HD1	13	0.75
(1,955)	1:10:A:LEU:HD23	1:13:A:PHE:HD2	13	0.75
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD11	12	0.75
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD12	12	0.75
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD13	12	0.75
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD21	12	0.75
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD22	12	0.75
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD23	12	0.75
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD11	12	0.75
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD12	12	0.75
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD13	12	0.75
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD21	12	0.75
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD22	12	0.75
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD23	12	0.75
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD11	9	0.74
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD12	9	0.74
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD13	9	0.74
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	10	0.74
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	10	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	10	0.74
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	10	0.74
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	10	0.74
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	10	0.74
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	10	0.74
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	10	0.74
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	10	0.74
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	10	0.74
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	10	0.74
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	10	0.74
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG21	7	0.74
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG22	7	0.74
(1,2789)	1:48:A:ASN:HD22	1:51:A:THR:HG23	7	0.74
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG21	6	0.74
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG22	6	0.74
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG23	6	0.74
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG21	6	0.74
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG22	6	0.74
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG23	6	0.74
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	2	0.74
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	2	0.74
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	2	0.74
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	2	0.74
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	2	0.74
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	2	0.74
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD11	9	0.74
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD12	9	0.74
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD13	9	0.74
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	10	0.74
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	10	0.74
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	10	0.74
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	10	0.74
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	10	0.74
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	10	0.74
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	10	0.74
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	10	0.74
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	10	0.74
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	10	0.74
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	10	0.74
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	10	0.74
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG21	7	0.74
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG22	7	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2665)	1:48:A:ASN:HD22	1:51:A:THR:HG23	7	0.74
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG21	6	0.74
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG22	6	0.74
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG23	6	0.74
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG21	6	0.74
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG22	6	0.74
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG23	6	0.74
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	2	0.74
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	2	0.74
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	2	0.74
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	2	0.74
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	2	0.74
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	2	0.74
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD11	9	0.74
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD12	9	0.74
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD13	9	0.74
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	10	0.74
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	10	0.74
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	10	0.74
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	10	0.74
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	10	0.74
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	10	0.74
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	10	0.74
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	10	0.74
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	10	0.74
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	10	0.74
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	10	0.74
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	10	0.74
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG21	7	0.74
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG22	7	0.74
(1,2541)	1:48:A:ASN:HD22	1:51:A:THR:HG23	7	0.74
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG21	6	0.74
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG22	6	0.74
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG23	6	0.74
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG21	6	0.74
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG22	6	0.74
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG23	6	0.74
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	2	0.74
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	2	0.74
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	2	0.74
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	2	0.74
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	2	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	2	0.74
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD11	9	0.74
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD12	9	0.74
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD13	9	0.74
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	10	0.74
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	10	0.74
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	10	0.74
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	10	0.74
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	10	0.74
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	10	0.74
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	10	0.74
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	10	0.74
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	10	0.74
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	10	0.74
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	10	0.74
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	10	0.74
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG21	7	0.74
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG22	7	0.74
(1,2417)	1:48:A:ASN:HD22	1:51:A:THR:HG23	7	0.74
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG21	6	0.74
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG22	6	0.74
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG23	6	0.74
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG21	6	0.74
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG22	6	0.74
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG23	6	0.74
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	2	0.74
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	2	0.74
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	2	0.74
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	2	0.74
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	2	0.74
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	2	0.74
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD11	9	0.74
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD12	9	0.74
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD13	9	0.74
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	10	0.74
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	10	0.74
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	10	0.74
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	10	0.74
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	10	0.74
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	10	0.74
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	10	0.74
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	10	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	10	0.74
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	10	0.74
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	10	0.74
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	10	0.74
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG21	7	0.74
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG22	7	0.74
(1,2293)	1:48:A:ASN:HD22	1:51:A:THR:HG23	7	0.74
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG21	6	0.74
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG22	6	0.74
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG23	6	0.74
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG21	6	0.74
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG22	6	0.74
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG23	6	0.74
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	2	0.74
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	2	0.74
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	2	0.74
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	2	0.74
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	2	0.74
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	2	0.74
(1,2226)	1:101:A:PRO:HD2	1:99:A:ASN:HB3	12	0.74
(1,2226)	1:101:A:PRO:HD3	1:99:A:ASN:HB3	12	0.74
(1,2226)	1:101:A:PRO:HD2	1:99:A:ASN:HB2	12	0.74
(1,2226)	1:101:A:PRO:HD3	1:99:A:ASN:HB2	12	0.74
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE2	7	0.74
(1,2170)	1:94:A:ARG:H	1:93:A:LYS:HE3	7	0.74
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE1	10	0.74
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE2	10	0.74
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE3	10	0.74
(1,2130)	1:87:A:GLN:HG2	1:86:A:ARG:H	14	0.74
(1,2130)	1:87:A:GLN:HG3	1:86:A:ARG:H	14	0.74
(1,2116)	1:86:A:ARG:HB3	1:83:A:ASP:HA	13	0.74
(1,2114)	1:86:A:ARG:HB2	1:83:A:ASP:HA	13	0.74
(1,2049)	1:79:A:LYS:HA	1:81:A:SER:H	7	0.74
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG2	4	0.74
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG3	4	0.74
(1,2007)	1:75:A:THR:H	1:71:A:LEU:HA	13	0.74
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB1	7	0.74
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB2	7	0.74
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB3	7	0.74
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB1	7	0.74
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB2	7	0.74
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB3	7	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1957)	1:68:A:LYS:HA	1:71:A:LEU:H	2	0.74
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG21	8	0.74
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG22	8	0.74
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG23	8	0.74
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG21	8	0.74
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG22	8	0.74
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG23	8	0.74
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG21	12	0.74
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG22	12	0.74
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG23	12	0.74
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG11	12	0.74
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG12	12	0.74
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG13	12	0.74
(1,1907)	1:64:A:LYS:H	1:60:A:GLN:HA	11	0.74
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD11	2	0.74
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD12	2	0.74
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD13	2	0.74
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD11	5	0.74
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD12	5	0.74
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD13	5	0.74
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD11	7	0.74
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD12	7	0.74
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD13	7	0.74
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD11	12	0.74
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD12	12	0.74
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD13	12	0.74
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD21	12	0.74
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD22	12	0.74
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD23	12	0.74
(1,1846)	1:51:A:THR:HA	1:53:A:GLU:H	15	0.74
(1,1837)	1:49:A:GLU:H	1:48:A:ASN:HA	14	0.74
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB1	4	0.74
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB2	4	0.74
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB3	4	0.74
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB1	9	0.74
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB2	9	0.74
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB3	9	0.74
(1,1736)	1:29:A:VAL:HA	1:32:A:VAL:HB	6	0.74
(1,1736)	1:29:A:VAL:HA	1:32:A:VAL:HB	10	0.74
(1,1731)	1:29:A:VAL:H	1:28:A:ALA:H	12	0.74
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA2	5	0.74
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA3	5	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1643)	1:13:A:PHE:HB2	1:14:A:ILE:HB	8	0.74
(1,1643)	1:13:A:PHE:HB3	1:14:A:ILE:HB	8	0.74
(1,1643)	1:13:A:PHE:HB2	1:14:A:ILE:HB	15	0.74
(1,1643)	1:13:A:PHE:HB3	1:14:A:ILE:HB	15	0.74
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG11	13	0.74
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG12	13	0.74
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG13	13	0.74
(1,1592)	1:6:A:PHE:H	1:5:A:GLY:H	5	0.74
(1,1592)	1:6:A:PHE:H	1:5:A:GLY:H	6	0.74
(1,1453)	1:67:A:GLU:HG2	1:70:A:SER:H	9	0.74
(1,1453)	1:67:A:GLU:HG3	1:70:A:SER:H	9	0.74
(1,1450)	1:66:A:VAL:HA	1:70:A:SER:H	1	0.74
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD11	6	0.74
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD12	6	0.74
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD13	6	0.74
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD21	6	0.74
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD22	6	0.74
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD23	6	0.74
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD11	9	0.74
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD12	9	0.74
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD13	9	0.74
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD21	9	0.74
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD22	9	0.74
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD23	9	0.74
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG21	5	0.74
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG22	5	0.74
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG23	5	0.74
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG11	5	0.74
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG12	5	0.74
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG13	5	0.74
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB1	12	0.74
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB2	12	0.74
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB3	12	0.74
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD11	2	0.74
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD12	2	0.74
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD13	2	0.74
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG12	9	0.74
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG13	9	0.74
(2,241)	1:74:A:LEU:H	1:70:A:SER:HB3	14	0.73
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG21	4	0.73
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG22	4	0.73
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG23	4	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD11	3	0.73
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD12	3	0.73
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD13	3	0.73
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD11	15	0.73
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD12	15	0.73
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD13	15	0.73
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD21	15	0.73
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD22	15	0.73
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD23	15	0.73
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB2	3	0.73
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB3	3	0.73
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG21	5	0.73
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG22	5	0.73
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG23	5	0.73
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG21	5	0.73
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG22	5	0.73
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG23	5	0.73
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	2	0.73
(1,2770)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	2	0.73
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	2	0.73
(1,2770)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	2	0.73
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	2	0.73
(1,2770)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	2	0.73
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	4	0.73
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	4	0.73
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	4	0.73
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	4	0.73
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	5	0.73
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	5	0.73
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	5	0.73
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	5	0.73
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	5	0.73
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	5	0.73
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	6	0.73
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	6	0.73
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	6	0.73
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	6	0.73
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	6	0.73
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	6	0.73
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG21	4	0.73
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG22	4	0.73
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG23	4	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD11	3	0.73
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD12	3	0.73
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD13	3	0.73
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD11	15	0.73
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD12	15	0.73
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD13	15	0.73
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD21	15	0.73
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD22	15	0.73
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD23	15	0.73
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB2	3	0.73
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB3	3	0.73
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG21	5	0.73
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG22	5	0.73
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG23	5	0.73
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG21	5	0.73
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG22	5	0.73
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG23	5	0.73
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	2	0.73
(1,2646)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	2	0.73
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	2	0.73
(1,2646)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	2	0.73
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	2	0.73
(1,2646)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	2	0.73
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	4	0.73
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	4	0.73
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	4	0.73
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	4	0.73
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	5	0.73
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	5	0.73
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	5	0.73
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	5	0.73
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	5	0.73
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	5	0.73
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	6	0.73
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	6	0.73
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	6	0.73
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	6	0.73
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	6	0.73
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	6	0.73
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG21	4	0.73
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG22	4	0.73
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG23	4	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD11	3	0.73
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD12	3	0.73
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD13	3	0.73
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD11	15	0.73
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD12	15	0.73
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD13	15	0.73
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD21	15	0.73
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD22	15	0.73
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD23	15	0.73
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB2	3	0.73
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB3	3	0.73
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG21	5	0.73
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG22	5	0.73
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG23	5	0.73
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG21	5	0.73
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG22	5	0.73
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG23	5	0.73
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	2	0.73
(1,2522)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	2	0.73
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	2	0.73
(1,2522)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	2	0.73
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	2	0.73
(1,2522)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	2	0.73
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	4	0.73
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	4	0.73
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	4	0.73
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	4	0.73
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	5	0.73
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	5	0.73
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	5	0.73
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	5	0.73
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	5	0.73
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	5	0.73
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	6	0.73
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	6	0.73
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	6	0.73
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	6	0.73
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	6	0.73
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	6	0.73
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG21	4	0.73
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG22	4	0.73
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG23	4	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD11	3	0.73
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD12	3	0.73
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD13	3	0.73
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD11	15	0.73
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD12	15	0.73
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD13	15	0.73
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD21	15	0.73
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD22	15	0.73
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD23	15	0.73
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB2	3	0.73
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB3	3	0.73
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG21	5	0.73
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG22	5	0.73
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG23	5	0.73
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG21	5	0.73
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG22	5	0.73
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG23	5	0.73
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	2	0.73
(1,2398)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	2	0.73
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	2	0.73
(1,2398)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	2	0.73
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	2	0.73
(1,2398)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	2	0.73
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	4	0.73
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	4	0.73
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	4	0.73
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	4	0.73
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	5	0.73
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	5	0.73
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	5	0.73
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	5	0.73
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	5	0.73
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	5	0.73
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	6	0.73
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	6	0.73
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	6	0.73
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	6	0.73
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	6	0.73
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	6	0.73
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG21	4	0.73
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG22	4	0.73
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG23	4	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD11	3	0.73
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD12	3	0.73
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD13	3	0.73
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD11	15	0.73
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD12	15	0.73
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD13	15	0.73
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD21	15	0.73
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD22	15	0.73
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD23	15	0.73
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB2	3	0.73
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB3	3	0.73
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG21	5	0.73
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG22	5	0.73
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG23	5	0.73
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG21	5	0.73
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG22	5	0.73
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG23	5	0.73
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB2	2	0.73
(1,2274)	1:25:A:LEU:HD21	1:17:A:LEU:HB3	2	0.73
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB2	2	0.73
(1,2274)	1:25:A:LEU:HD22	1:17:A:LEU:HB3	2	0.73
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB2	2	0.73
(1,2274)	1:25:A:LEU:HD23	1:17:A:LEU:HB3	2	0.73
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	4	0.73
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	4	0.73
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	4	0.73
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	4	0.73
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	5	0.73
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	5	0.73
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	5	0.73
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	5	0.73
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	5	0.73
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	5	0.73
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	6	0.73
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	6	0.73
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	6	0.73
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	6	0.73
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	6	0.73
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	6	0.73
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB2	7	0.73
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB3	7	0.73
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB1	10	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB2	10	0.73
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB3	10	0.73
(1,2218)	1:99:A:ASN:H	1:97:A:VAL:H	9	0.73
(1,2212)	1:98:A:ALA:HA	1:97:A:VAL:HB	1	0.73
(1,2158)	1:93:A:LYS:HB2	1:90:A:GLU:HA	13	0.73
(1,2158)	1:93:A:LYS:HB3	1:90:A:GLU:HA	13	0.73
(1,2106)	1:84:A:GLU:HA	1:87:A:GLN:HE21	3	0.73
(1,2105)	1:84:A:GLU:HA	1:86:A:ARG:H	7	0.73
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG2	4	0.73
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG3	4	0.73
(1,2038)	1:78:A:LEU:HA	1:81:A:SER:HB3	1	0.73
(1,2038)	1:78:A:LEU:HA	1:81:A:SER:HB3	10	0.73
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG2	14	0.73
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG3	14	0.73
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD21	9	0.73
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD22	9	0.73
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD23	9	0.73
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD21	3	0.73
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD22	3	0.73
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD23	3	0.73
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD21	9	0.73
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD22	9	0.73
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD23	9	0.73
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD21	13	0.73
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD22	13	0.73
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD23	13	0.73
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD11	5	0.73
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD12	5	0.73
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD13	5	0.73
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD21	5	0.73
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD22	5	0.73
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD23	5	0.73
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD21	5	0.73
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD22	5	0.73
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD23	5	0.73
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD11	8	0.73
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD12	8	0.73
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD13	8	0.73
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD21	8	0.73
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD22	8	0.73
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD23	8	0.73
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD21	8	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD22	8	0.73
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD23	8	0.73
(1,1957)	1:68:A:LYS:HA	1:71:A:LEU:H	1	0.73
(1,1957)	1:68:A:LYS:HA	1:71:A:LEU:H	10	0.73
(1,1957)	1:68:A:LYS:HA	1:71:A:LEU:H	12	0.73
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE2	1	0.73
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE3	1	0.73
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG21	2	0.73
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG22	2	0.73
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG23	2	0.73
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG11	2	0.73
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG12	2	0.73
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG13	2	0.73
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE2	1	0.73
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE3	1	0.73
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG2	1	0.73
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG3	1	0.73
(1,1897)	1:63:A:LEU:HG	1:60:A:GLN:HA	10	0.73
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD11	15	0.73
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD12	15	0.73
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD13	15	0.73
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB1	2	0.73
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB2	2	0.73
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB3	2	0.73
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB1	10	0.73
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB2	10	0.73
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB3	10	0.73
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB1	11	0.73
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB2	11	0.73
(1,1788)	1:42:A:LEU:H	1:43:A:ALA:HB3	11	0.73
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB1	12	0.73
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB2	12	0.73
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB3	12	0.73
(1,1679)	1:17:A:LEU:H	1:16:A:GLY:H	2	0.73
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA2	2	0.73
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA3	2	0.73
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA2	6	0.73
(1,1678)	1:17:A:LEU:H	1:16:A:GLY:HA3	6	0.73
(1,1645)	1:13:A:PHE:HD1	1:17:A:LEU:HG	1	0.73
(1,1645)	1:13:A:PHE:HD2	1:17:A:LEU:HG	1	0.73
(1,1645)	1:13:A:PHE:HD1	1:17:A:LEU:HG	8	0.73
(1,1645)	1:13:A:PHE:HD2	1:17:A:LEU:HG	8	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1644)	1:13:A:PHE:HA	1:16:A:GLY:H	2	0.73
(1,1643)	1:13:A:PHE:HB2	1:14:A:ILE:HB	3	0.73
(1,1643)	1:13:A:PHE:HB3	1:14:A:ILE:HB	3	0.73
(1,1633)	1:13:A:PHE:H	1:11:A:LEU:H	6	0.73
(1,1600)	1:6:A:PHE:HA	1:9:A:LEU:H	15	0.73
(1,1542)	1:1:A:MET:HE1	1:2:A:PHE:H	2	0.73
(1,1542)	1:1:A:MET:HE2	1:2:A:PHE:H	2	0.73
(1,1542)	1:1:A:MET:HE3	1:2:A:PHE:H	2	0.73
(1,1542)	1:1:A:MET:HE1	1:2:A:PHE:H	6	0.73
(1,1542)	1:1:A:MET:HE2	1:2:A:PHE:H	6	0.73
(1,1542)	1:1:A:MET:HE3	1:2:A:PHE:H	6	0.73
(1,1542)	1:1:A:MET:HE1	1:2:A:PHE:H	12	0.73
(1,1542)	1:1:A:MET:HE2	1:2:A:PHE:H	12	0.73
(1,1542)	1:1:A:MET:HE3	1:2:A:PHE:H	12	0.73
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG21	1	0.73
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG22	1	0.73
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG23	1	0.73
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG21	1	0.73
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG22	1	0.73
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG23	1	0.73
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD1	10	0.73
(1,1524)	1:93:A:LYS:HB2	1:96:A:TYR:HD2	10	0.73
(1,1465)	1:72:A:THR:HA	1:71:A:LEU:HB2	6	0.73
(1,1465)	1:72:A:THR:HA	1:71:A:LEU:HB2	8	0.73
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD2	10	0.73
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD3	10	0.73
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG21	5	0.73
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG22	5	0.73
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG23	5	0.73
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB1	12	0.73
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB2	12	0.73
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB3	12	0.73
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB1	12	0.73
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB2	12	0.73
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB3	12	0.73
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG11	8	0.73
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG12	8	0.73
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG13	8	0.73
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG11	15	0.73
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG12	15	0.73
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG13	15	0.73
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD21	2	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD22	2	0.73
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD23	2	0.73
(2,128)	1:16:A:GLY:H	1:17:A:LEU:HG	13	0.72
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG21	14	0.72
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG22	14	0.72
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG23	14	0.72
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG21	15	0.72
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG22	15	0.72
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG23	15	0.72
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	4	0.72
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	4	0.72
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	4	0.72
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	4	0.72
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	1	0.72
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	1	0.72
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	1	0.72
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	1	0.72
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	1	0.72
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	1	0.72
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	9	0.72
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	9	0.72
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	9	0.72
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	9	0.72
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	9	0.72
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	9	0.72
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB2	5	0.72
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB3	5	0.72
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB2	6	0.72
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB3	6	0.72
(1,2796)	1:49:A:GLU:H	1:51:A:THR:HA	1	0.72
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG2	3	0.72
(1,2775)	1:45:A:THR:HG21	1:47:A:GLN:HG3	3	0.72
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG2	3	0.72
(1,2775)	1:45:A:THR:HG22	1:47:A:GLN:HG3	3	0.72
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG2	3	0.72
(1,2775)	1:45:A:THR:HG23	1:47:A:GLN:HG3	3	0.72
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	3	0.72
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	3	0.72
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	3	0.72
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	3	0.72
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	5	0.72
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	5	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	5	0.72
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	5	0.72
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	8	0.72
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	8	0.72
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	8	0.72
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	8	0.72
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	10	0.72
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	10	0.72
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	10	0.72
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	10	0.72
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	13	0.72
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	13	0.72
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	13	0.72
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	13	0.72
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	15	0.72
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	15	0.72
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	15	0.72
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	15	0.72
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG21	14	0.72
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG22	14	0.72
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG23	14	0.72
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG21	15	0.72
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG22	15	0.72
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG23	15	0.72
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	4	0.72
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	4	0.72
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	4	0.72
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	4	0.72
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	1	0.72
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	1	0.72
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	1	0.72
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	1	0.72
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	1	0.72
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	1	0.72
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	9	0.72
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	9	0.72
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	9	0.72
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	9	0.72
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	9	0.72
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	9	0.72
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB2	5	0.72
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB3	5	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB2	6	0.72
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB3	6	0.72
(1,2672)	1:49:A:GLU:H	1:51:A:THR:HA	1	0.72
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG2	3	0.72
(1,2651)	1:45:A:THR:HG21	1:47:A:GLN:HG3	3	0.72
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG2	3	0.72
(1,2651)	1:45:A:THR:HG22	1:47:A:GLN:HG3	3	0.72
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG2	3	0.72
(1,2651)	1:45:A:THR:HG23	1:47:A:GLN:HG3	3	0.72
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	3	0.72
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	3	0.72
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	3	0.72
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	3	0.72
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	5	0.72
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	5	0.72
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	5	0.72
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	5	0.72
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	8	0.72
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	8	0.72
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	8	0.72
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	8	0.72
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	10	0.72
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	10	0.72
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	10	0.72
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	10	0.72
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	13	0.72
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	13	0.72
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	13	0.72
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	13	0.72
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	15	0.72
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	15	0.72
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	15	0.72
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	15	0.72
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG21	14	0.72
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG22	14	0.72
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG23	14	0.72
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG21	15	0.72
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG22	15	0.72
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG23	15	0.72
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	4	0.72
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	4	0.72
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	4	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	4	0.72
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	1	0.72
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	1	0.72
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	1	0.72
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	1	0.72
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	1	0.72
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	1	0.72
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	9	0.72
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	9	0.72
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	9	0.72
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	9	0.72
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	9	0.72
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	9	0.72
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB2	5	0.72
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB3	5	0.72
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB2	6	0.72
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB3	6	0.72
(1,2548)	1:49:A:GLU:H	1:51:A:THR:HA	1	0.72
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG2	3	0.72
(1,2527)	1:45:A:THR:HG21	1:47:A:GLN:HG3	3	0.72
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG2	3	0.72
(1,2527)	1:45:A:THR:HG22	1:47:A:GLN:HG3	3	0.72
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG2	3	0.72
(1,2527)	1:45:A:THR:HG23	1:47:A:GLN:HG3	3	0.72
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	3	0.72
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	3	0.72
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	3	0.72
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	3	0.72
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	5	0.72
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	5	0.72
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	5	0.72
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	5	0.72
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	8	0.72
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	8	0.72
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	8	0.72
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	8	0.72
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	10	0.72
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	10	0.72
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	10	0.72
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	10	0.72
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	13	0.72
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	13	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	13	0.72
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	13	0.72
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	15	0.72
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	15	0.72
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	15	0.72
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	15	0.72
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG21	14	0.72
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG22	14	0.72
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG23	14	0.72
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG21	15	0.72
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG22	15	0.72
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG23	15	0.72
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	4	0.72
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	4	0.72
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	4	0.72
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	4	0.72
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	1	0.72
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	1	0.72
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	1	0.72
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	1	0.72
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	1	0.72
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	1	0.72
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	9	0.72
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	9	0.72
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	9	0.72
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	9	0.72
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	9	0.72
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	9	0.72
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB2	5	0.72
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB3	5	0.72
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB2	6	0.72
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB3	6	0.72
(1,2424)	1:49:A:GLU:H	1:51:A:THR:HA	1	0.72
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG2	3	0.72
(1,2403)	1:45:A:THR:HG21	1:47:A:GLN:HG3	3	0.72
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG2	3	0.72
(1,2403)	1:45:A:THR:HG22	1:47:A:GLN:HG3	3	0.72
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG2	3	0.72
(1,2403)	1:45:A:THR:HG23	1:47:A:GLN:HG3	3	0.72
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	3	0.72
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	3	0.72
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	3	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	3	0.72
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	5	0.72
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	5	0.72
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	5	0.72
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	5	0.72
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	8	0.72
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	8	0.72
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	8	0.72
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	8	0.72
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	10	0.72
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	10	0.72
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	10	0.72
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	10	0.72
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	13	0.72
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	13	0.72
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	13	0.72
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	13	0.72
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	15	0.72
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	15	0.72
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	15	0.72
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	15	0.72
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG21	14	0.72
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG22	14	0.72
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG23	14	0.72
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG21	15	0.72
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG22	15	0.72
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG23	15	0.72
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	4	0.72
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	4	0.72
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	4	0.72
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	4	0.72
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	1	0.72
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	1	0.72
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	1	0.72
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	1	0.72
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	1	0.72
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	1	0.72
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	9	0.72
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	9	0.72
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	9	0.72
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	9	0.72
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	9	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	9	0.72
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB2	5	0.72
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB3	5	0.72
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB2	6	0.72
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB3	6	0.72
(1,2300)	1:49:A:GLU:H	1:51:A:THR:HA	1	0.72
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG2	3	0.72
(1,2279)	1:45:A:THR:HG21	1:47:A:GLN:HG3	3	0.72
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG2	3	0.72
(1,2279)	1:45:A:THR:HG22	1:47:A:GLN:HG3	3	0.72
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG2	3	0.72
(1,2279)	1:45:A:THR:HG23	1:47:A:GLN:HG3	3	0.72
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	3	0.72
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	3	0.72
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	3	0.72
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	3	0.72
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	5	0.72
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	5	0.72
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	5	0.72
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	5	0.72
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	8	0.72
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	8	0.72
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	8	0.72
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	8	0.72
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	10	0.72
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	10	0.72
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	10	0.72
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	10	0.72
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	13	0.72
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	13	0.72
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	13	0.72
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	13	0.72
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	15	0.72
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	15	0.72
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	15	0.72
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	15	0.72
(1,2245)	1:103:A:GLU:H	1:102:A:LEU:HB2	1	0.72
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB1	1	0.72
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB2	1	0.72
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB3	1	0.72
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB1	13	0.72
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB2	13	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB3	13	0.72
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB1	15	0.72
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB2	15	0.72
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB3	15	0.72
(1,2169)	1:94:A:ARG:H	1:93:A:LYS:HG2	2	0.72
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE1	2	0.72
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE2	2	0.72
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE3	2	0.72
(1,2127)	1:87:A:GLN:HE21	1:83:A:ASP:HB3	7	0.72
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG2	14	0.72
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG3	14	0.72
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB2	13	0.72
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB3	13	0.72
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB1	13	0.72
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB2	13	0.72
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB3	13	0.72
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB1	13	0.72
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB2	13	0.72
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB3	13	0.72
(1,1945)	1:67:A:GLU:HG2	1:66:A:VAL:H	10	0.72
(1,1945)	1:67:A:GLU:HG3	1:66:A:VAL:H	10	0.72
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG21	6	0.72
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG22	6	0.72
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG23	6	0.72
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG21	6	0.72
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG22	6	0.72
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG23	6	0.72
(1,1837)	1:49:A:GLU:H	1:48:A:ASN:HA	11	0.72
(1,1829)	1:47:A:GLN:HB2	1:48:A:ASN:H	5	0.72
(1,1829)	1:47:A:GLN:HB3	1:48:A:ASN:H	5	0.72
(1,1818)	1:46:A:VAL:HA	1:45:A:THR:HB	2	0.72
(1,1817)	1:46:A:VAL:H	1:43:A:ALA:HA	2	0.72
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG21	3	0.72
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG22	3	0.72
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG23	3	0.72
(1,1645)	1:13:A:PHE:HD1	1:17:A:LEU:HG	3	0.72
(1,1645)	1:13:A:PHE:HD2	1:17:A:LEU:HG	3	0.72
(1,1645)	1:13:A:PHE:HD1	1:17:A:LEU:HG	7	0.72
(1,1645)	1:13:A:PHE:HD2	1:17:A:LEU:HG	7	0.72
(1,1644)	1:13:A:PHE:HA	1:16:A:GLY:H	4	0.72
(1,1644)	1:13:A:PHE:HA	1:16:A:GLY:H	9	0.72
(1,1644)	1:13:A:PHE:HA	1:16:A:GLY:H	14	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1578)	1:4:A:ILE:HA	1:5:A:GLY:H	12	0.72
(1,1533)	1:97:A:VAL:H	1:98:A:ALA:H	9	0.72
(1,1531)	1:96:A:TYR:HB2	1:98:A:ALA:H	11	0.72
(1,1531)	1:96:A:TYR:HB3	1:98:A:ALA:H	11	0.72
(1,1496)	1:84:A:GLU:HB2	1:85:A:LEU:HG	7	0.72
(1,1478)	1:75:A:THR:H	1:74:A:LEU:H	12	0.72
(1,1450)	1:66:A:VAL:HA	1:70:A:SER:H	10	0.72
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD11	10	0.72
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD12	10	0.72
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD13	10	0.72
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD21	10	0.72
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD22	10	0.72
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD23	10	0.72
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE21	10	0.72
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE22	10	0.72
(1,1420)	1:48:A:ASN:H	1:44:A:THR:H	15	0.72
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG11	12	0.72
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG12	12	0.72
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG13	12	0.72
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG11	14	0.72
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG12	14	0.72
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG13	14	0.72
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD11	9	0.72
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD12	9	0.72
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD13	9	0.72
(1,906)	1:71:A:LEU:HG	1:72:A:THR:H	13	0.72
(2,241)	1:74:A:LEU:H	1:70:A:SER:HB3	4	0.71
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG2	7	0.71
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG3	7	0.71
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	7	0.71
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	7	0.71
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	7	0.71
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	7	0.71
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	7	0.71
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	7	0.71
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	7	0.71
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	7	0.71
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	7	0.71
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	7	0.71
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	7	0.71
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	7	0.71
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	13	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	13	0.71
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	13	0.71
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	13	0.71
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	13	0.71
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	13	0.71
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	2	0.71
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	2	0.71
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	2	0.71
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	2	0.71
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	2	0.71
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	2	0.71
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	7	0.71
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	7	0.71
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	7	0.71
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	7	0.71
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	9	0.71
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	9	0.71
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	9	0.71
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	9	0.71
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	7	0.71
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	7	0.71
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	7	0.71
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG2	7	0.71
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG3	7	0.71
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	7	0.71
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	7	0.71
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	7	0.71
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	7	0.71
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	7	0.71
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	7	0.71
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	7	0.71
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	7	0.71
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	7	0.71
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	7	0.71
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	7	0.71
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	7	0.71
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	13	0.71
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	13	0.71
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	13	0.71
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	13	0.71
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	13	0.71
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	13	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	2	0.71
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	2	0.71
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	2	0.71
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	2	0.71
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	2	0.71
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	2	0.71
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	7	0.71
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	7	0.71
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	7	0.71
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	7	0.71
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	9	0.71
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	9	0.71
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	9	0.71
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	9	0.71
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	7	0.71
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	7	0.71
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	7	0.71
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG2	7	0.71
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG3	7	0.71
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	7	0.71
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	7	0.71
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	7	0.71
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	7	0.71
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	7	0.71
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	7	0.71
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	7	0.71
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	7	0.71
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	7	0.71
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	7	0.71
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	7	0.71
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	7	0.71
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	13	0.71
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	13	0.71
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	13	0.71
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	13	0.71
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	13	0.71
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	13	0.71
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	2	0.71
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	2	0.71
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	2	0.71
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	2	0.71
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	2	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	2	0.71
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	7	0.71
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	7	0.71
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	7	0.71
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	7	0.71
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	9	0.71
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	9	0.71
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	9	0.71
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	9	0.71
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	7	0.71
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	7	0.71
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	7	0.71
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG2	7	0.71
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG3	7	0.71
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	7	0.71
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	7	0.71
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	7	0.71
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	7	0.71
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	7	0.71
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	7	0.71
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	7	0.71
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	7	0.71
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	7	0.71
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	7	0.71
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	7	0.71
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	7	0.71
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	13	0.71
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	13	0.71
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	13	0.71
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	13	0.71
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	13	0.71
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	13	0.71
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	2	0.71
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	2	0.71
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	2	0.71
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	2	0.71
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	2	0.71
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	2	0.71
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	7	0.71
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	7	0.71
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	7	0.71
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	7	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	9	0.71
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	9	0.71
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	9	0.71
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	9	0.71
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	7	0.71
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	7	0.71
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	7	0.71
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG2	7	0.71
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG3	7	0.71
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	7	0.71
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	7	0.71
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	7	0.71
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	7	0.71
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	7	0.71
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	7	0.71
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	7	0.71
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	7	0.71
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	7	0.71
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	7	0.71
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	7	0.71
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	7	0.71
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	13	0.71
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	13	0.71
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	13	0.71
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	13	0.71
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	13	0.71
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	13	0.71
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	2	0.71
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	2	0.71
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	2	0.71
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	2	0.71
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	2	0.71
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	2	0.71
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	7	0.71
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	7	0.71
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	7	0.71
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	7	0.71
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	9	0.71
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	9	0.71
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	9	0.71
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	9	0.71
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	7	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	7	0.71
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	7	0.71
(1,2212)	1:98:A:ALA:HA	1:97:A:VAL:HB	13	0.71
(1,2212)	1:98:A:ALA:HA	1:97:A:VAL:HB	15	0.71
(1,2197)	1:96:A:TYR:HA	1:100:A:ASP:H	6	0.71
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE1	11	0.71
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE2	11	0.71
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE3	11	0.71
(1,2114)	1:86:A:ARG:HB2	1:83:A:ASP:HA	6	0.71
(1,2106)	1:84:A:GLU:HA	1:87:A:GLN:HE21	12	0.71
(1,2097)	1:84:A:GLU:HA	1:83:A:ASP:HB3	2	0.71
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD11	5	0.71
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD12	5	0.71
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD13	5	0.71
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD11	15	0.71
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD12	15	0.71
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD13	15	0.71
(1,2038)	1:78:A:LEU:HA	1:81:A:SER:HB3	5	0.71
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD21	15	0.71
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD22	15	0.71
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD23	15	0.71
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG21	6	0.71
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG22	6	0.71
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG23	6	0.71
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG21	6	0.71
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG22	6	0.71
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG23	6	0.71
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG21	11	0.71
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG22	11	0.71
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG23	11	0.71
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG21	11	0.71
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG22	11	0.71
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG23	11	0.71
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG21	10	0.71
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG22	10	0.71
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG23	10	0.71
(1,1960)	1:69:A:ALA:HA	1:72:A:THR:H	1	0.71
(1,1960)	1:69:A:ALA:HA	1:72:A:THR:H	2	0.71
(1,1960)	1:69:A:ALA:HA	1:72:A:THR:H	10	0.71
(1,1960)	1:69:A:ALA:HA	1:72:A:THR:H	12	0.71
(1,1953)	1:68:A:LYS:HG3	1:67:A:GLU:HB2	3	0.71
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG21	11	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG22	11	0.71
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG23	11	0.71
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG21	11	0.71
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG22	11	0.71
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG23	11	0.71
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG21	9	0.71
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG22	9	0.71
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG23	9	0.71
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG11	9	0.71
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG12	9	0.71
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG13	9	0.71
(1,1873)	1:60:A:GLN:HG2	1:61:A:ASP:H	15	0.71
(1,1873)	1:60:A:GLN:HG3	1:61:A:ASP:H	15	0.71
(1,1860)	1:54:A:LEU:HG	1:55:A:LYS:H	10	0.71
(1,1846)	1:51:A:THR:HA	1:53:A:GLU:H	2	0.71
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG21	11	0.71
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG22	11	0.71
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG23	11	0.71
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB1	4	0.71
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB2	4	0.71
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB3	4	0.71
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB1	5	0.71
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB2	5	0.71
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB3	5	0.71
(1,1731)	1:29:A:VAL:H	1:28:A:ALA:H	2	0.71
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG11	12	0.71
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG12	12	0.71
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG13	12	0.71
(1,1675)	1:16:A:GLY:H	1:18:A:VAL:H	2	0.71
(1,1653)	1:14:A:ILE:HA	1:13:A:PHE:HD1	8	0.71
(1,1653)	1:14:A:ILE:HA	1:13:A:PHE:HD2	8	0.71
(1,1653)	1:14:A:ILE:HA	1:13:A:PHE:HD1	12	0.71
(1,1653)	1:14:A:ILE:HA	1:13:A:PHE:HD2	12	0.71
(1,1644)	1:13:A:PHE:HA	1:16:A:GLY:H	10	0.71
(1,1643)	1:13:A:PHE:HB2	1:14:A:ILE:HB	7	0.71
(1,1643)	1:13:A:PHE:HB3	1:14:A:ILE:HB	7	0.71
(1,1633)	1:13:A:PHE:H	1:11:A:LEU:H	5	0.71
(1,1630)	1:12:A:VAL:HB	1:9:A:LEU:HA	9	0.71
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG11	12	0.71
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG12	12	0.71
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG13	12	0.71
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG21	12	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG22	12	0.71
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG23	12	0.71
(1,1478)	1:75:A:THR:H	1:74:A:LEU:H	1	0.71
(1,1478)	1:75:A:THR:H	1:74:A:LEU:H	5	0.71
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD11	2	0.71
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD12	2	0.71
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD13	2	0.71
(1,1424)	1:48:A:ASN:H	1:49:A:GLU:HB2	5	0.71
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB1	15	0.71
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB2	15	0.71
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB3	15	0.71
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG21	8	0.71
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG22	8	0.71
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG23	8	0.71
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG21	9	0.71
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG22	9	0.71
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG23	9	0.71
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB1	5	0.71
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB2	5	0.71
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB3	5	0.71
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB1	5	0.71
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB2	5	0.71
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB3	5	0.71
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG11	13	0.71
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG12	13	0.71
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG13	13	0.71
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD11	13	0.71
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD12	13	0.71
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD13	13	0.71
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD11	6	0.71
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD12	6	0.71
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD13	6	0.71
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG21	3	0.7
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG22	3	0.7
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG23	3	0.7
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG21	9	0.7
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG22	9	0.7
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG23	9	0.7
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB2	2	0.7
(1,2837)	1:59:A:PHE:H	1:56:A:LEU:HB3	2	0.7
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	8	0.7
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	8	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	8	0.7
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	8	0.7
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	8	0.7
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	8	0.7
(1,2818)	1:55:A:LYS:HG2	1:54:A:LEU:H	2	0.7
(1,2818)	1:55:A:LYS:HG3	1:54:A:LEU:H	2	0.7
(1,2796)	1:49:A:GLU:H	1:51:A:THR:HA	13	0.7
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	11	0.7
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	11	0.7
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	11	0.7
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	11	0.7
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	3	0.7
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	3	0.7
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	3	0.7
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG21	3	0.7
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG22	3	0.7
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG23	3	0.7
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG21	9	0.7
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG22	9	0.7
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG23	9	0.7
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB2	2	0.7
(1,2713)	1:59:A:PHE:H	1:56:A:LEU:HB3	2	0.7
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	8	0.7
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	8	0.7
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	8	0.7
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	8	0.7
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	8	0.7
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	8	0.7
(1,2694)	1:55:A:LYS:HG2	1:54:A:LEU:H	2	0.7
(1,2694)	1:55:A:LYS:HG3	1:54:A:LEU:H	2	0.7
(1,2672)	1:49:A:GLU:H	1:51:A:THR:HA	13	0.7
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	11	0.7
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	11	0.7
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	11	0.7
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	11	0.7
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	3	0.7
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	3	0.7
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	3	0.7
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG21	3	0.7
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG22	3	0.7
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG23	3	0.7
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG21	9	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG22	9	0.7
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG23	9	0.7
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB2	2	0.7
(1,2589)	1:59:A:PHE:H	1:56:A:LEU:HB3	2	0.7
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	8	0.7
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	8	0.7
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	8	0.7
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	8	0.7
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	8	0.7
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	8	0.7
(1,2570)	1:55:A:LYS:HG2	1:54:A:LEU:H	2	0.7
(1,2570)	1:55:A:LYS:HG3	1:54:A:LEU:H	2	0.7
(1,2548)	1:49:A:GLU:H	1:51:A:THR:HA	13	0.7
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	11	0.7
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	11	0.7
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	11	0.7
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	11	0.7
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	3	0.7
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	3	0.7
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	3	0.7
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG21	3	0.7
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG22	3	0.7
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG23	3	0.7
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG21	9	0.7
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG22	9	0.7
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG23	9	0.7
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB2	2	0.7
(1,2465)	1:59:A:PHE:H	1:56:A:LEU:HB3	2	0.7
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	8	0.7
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	8	0.7
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	8	0.7
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	8	0.7
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	8	0.7
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	8	0.7
(1,2446)	1:55:A:LYS:HG2	1:54:A:LEU:H	2	0.7
(1,2446)	1:55:A:LYS:HG3	1:54:A:LEU:H	2	0.7
(1,2424)	1:49:A:GLU:H	1:51:A:THR:HA	13	0.7
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	11	0.7
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	11	0.7
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	11	0.7
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	11	0.7
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	3	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	3	0.7
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	3	0.7
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG21	3	0.7
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG22	3	0.7
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG23	3	0.7
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG21	9	0.7
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG22	9	0.7
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG23	9	0.7
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB2	2	0.7
(1,2341)	1:59:A:PHE:H	1:56:A:LEU:HB3	2	0.7
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	8	0.7
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	8	0.7
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	8	0.7
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	8	0.7
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	8	0.7
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	8	0.7
(1,2322)	1:55:A:LYS:HG2	1:54:A:LEU:H	2	0.7
(1,2322)	1:55:A:LYS:HG3	1:54:A:LEU:H	2	0.7
(1,2300)	1:49:A:GLU:H	1:51:A:THR:HA	13	0.7
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	11	0.7
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	11	0.7
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	11	0.7
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	11	0.7
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	3	0.7
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	3	0.7
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	3	0.7
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB1	7	0.7
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB2	7	0.7
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB3	7	0.7
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB2	7	0.7
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB3	7	0.7
(1,2173)	1:94:A:ARG:HG2	1:95:A:SER:H	1	0.7
(1,2158)	1:93:A:LYS:HB2	1:90:A:GLU:HA	15	0.7
(1,2158)	1:93:A:LYS:HB3	1:90:A:GLU:HA	15	0.7
(1,2130)	1:87:A:GLN:HG2	1:86:A:ARG:H	7	0.7
(1,2130)	1:87:A:GLN:HG3	1:86:A:ARG:H	7	0.7
(1,2116)	1:86:A:ARG:HB3	1:83:A:ASP:HA	11	0.7
(1,2114)	1:86:A:ARG:HB2	1:83:A:ASP:HA	9	0.7
(1,2114)	1:86:A:ARG:HB2	1:83:A:ASP:HA	15	0.7
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG2	3	0.7
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG3	3	0.7
(1,2048)	1:79:A:LYS:HB2	1:80:A:ALA:H	1	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2048)	1:79:A:LYS:HB3	1:80:A:ALA:H	1	0.7
(1,2048)	1:79:A:LYS:HB2	1:80:A:ALA:H	10	0.7
(1,2048)	1:79:A:LYS:HB3	1:80:A:ALA:H	10	0.7
(1,2048)	1:79:A:LYS:HB2	1:80:A:ALA:H	15	0.7
(1,2048)	1:79:A:LYS:HB3	1:80:A:ALA:H	15	0.7
(1,2017)	1:76:A:PRO:HB2	1:77:A:GLU:H	11	0.7
(1,2017)	1:76:A:PRO:HB3	1:77:A:GLU:H	11	0.7
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD21	3	0.7
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD22	3	0.7
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD23	3	0.7
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD21	7	0.7
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD22	7	0.7
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD23	7	0.7
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG21	1	0.7
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG22	1	0.7
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG23	1	0.7
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG21	1	0.7
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG22	1	0.7
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG23	1	0.7
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG21	2	0.7
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG22	2	0.7
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG23	2	0.7
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG21	2	0.7
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG22	2	0.7
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG23	2	0.7
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG21	8	0.7
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG22	8	0.7
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG23	8	0.7
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG21	8	0.7
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG22	8	0.7
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG23	8	0.7
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG21	12	0.7
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG22	12	0.7
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG23	12	0.7
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG21	12	0.7
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG22	12	0.7
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG23	12	0.7
(1,1984)	1:73:A:ASN:H	1:71:A:LEU:HA	3	0.7
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB1	3	0.7
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB2	3	0.7
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB3	3	0.7
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB1	3	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB2	3	0.7
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB3	3	0.7
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE2	14	0.7
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE3	14	0.7
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG2	8	0.7
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG3	8	0.7
(1,1907)	1:64:A:LYS:H	1:60:A:GLN:HA	9	0.7
(1,1901)	1:63:A:LEU:H	1:62:A:SER:HB2	10	0.7
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD11	14	0.7
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD12	14	0.7
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD13	14	0.7
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB1	8	0.7
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB2	8	0.7
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB3	8	0.7
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB1	12	0.7
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB2	12	0.7
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB3	12	0.7
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB1	13	0.7
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB2	13	0.7
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB3	13	0.7
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB1	14	0.7
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB2	14	0.7
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB3	14	0.7
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB1	15	0.7
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB2	15	0.7
(1,1761)	1:36:A:ILE:HB	1:33:A:ALA:HB3	15	0.7
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB1	5	0.7
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB2	5	0.7
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB3	5	0.7
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB1	13	0.7
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB2	13	0.7
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB3	13	0.7
(1,1736)	1:29:A:VAL:HA	1:32:A:VAL:HB	12	0.7
(1,1736)	1:29:A:VAL:HA	1:32:A:VAL:HB	13	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG11	2	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG12	2	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG13	2	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG21	2	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG22	2	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG23	2	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG11	6	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG12	6	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG13	6	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG21	6	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG22	6	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG23	6	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG11	7	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG12	7	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG13	7	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG21	7	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG22	7	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG23	7	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG11	11	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG12	11	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG13	11	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG21	11	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG22	11	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG23	11	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG11	15	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG12	15	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG13	15	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG21	15	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG22	15	0.7
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG23	15	0.7
(1,1672)	1:16:A:GLY:H	1:12:A:VAL:HA	9	0.7
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG11	9	0.7
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG12	9	0.7
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG13	9	0.7
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD1	4	0.7
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD2	4	0.7
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD1	6	0.7
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD2	6	0.7
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD1	14	0.7
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD2	14	0.7
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD21	12	0.7
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD22	12	0.7
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD23	12	0.7
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD21	13	0.7
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD22	13	0.7
(1,1646)	1:13:A:PHE:HZ	1:17:A:LEU:HD23	13	0.7
(1,1645)	1:13:A:PHE:HD1	1:17:A:LEU:HG	15	0.7
(1,1645)	1:13:A:PHE:HD2	1:17:A:LEU:HG	15	0.7
(1,1612)	1:8:A:GLU:H	1:7:A:SER:H	3	0.7
(1,1612)	1:8:A:GLU:H	1:7:A:SER:H	8	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1612)	1:8:A:GLU:H	1:7:A:SER:H	15	0.7
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG21	13	0.7
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG22	13	0.7
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG23	13	0.7
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG21	13	0.7
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG22	13	0.7
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG23	13	0.7
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG21	15	0.7
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG22	15	0.7
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG23	15	0.7
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG21	15	0.7
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG22	15	0.7
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG23	15	0.7
(1,1478)	1:75:A:THR:H	1:74:A:LEU:H	7	0.7
(1,1478)	1:75:A:THR:H	1:74:A:LEU:H	10	0.7
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG21	2	0.7
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG22	2	0.7
(1,1415)	1:47:A:GLN:H	1:44:A:THR:HG23	2	0.7
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG2	14	0.7
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG3	14	0.7
(1,1386)	1:42:A:LEU:HD11	1:39:A:LEU:H	8	0.7
(1,1386)	1:42:A:LEU:HD12	1:39:A:LEU:H	8	0.7
(1,1386)	1:42:A:LEU:HD13	1:39:A:LEU:H	8	0.7
(1,1386)	1:42:A:LEU:HD21	1:39:A:LEU:H	8	0.7
(1,1386)	1:42:A:LEU:HD22	1:39:A:LEU:H	8	0.7
(1,1386)	1:42:A:LEU:HD23	1:39:A:LEU:H	8	0.7
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB1	13	0.7
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB2	13	0.7
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB3	13	0.7
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB1	13	0.7
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB2	13	0.7
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB3	13	0.7
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD11	4	0.7
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD12	4	0.7
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD13	4	0.7
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD11	5	0.7
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD12	5	0.7
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD13	5	0.7
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD11	10	0.7
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD12	10	0.7
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD13	10	0.7
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD11	11	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD12	11	0.7
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD13	11	0.7
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD11	14	0.7
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD12	14	0.7
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD13	14	0.7
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD11	15	0.7
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD12	15	0.7
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD13	15	0.7
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD11	12	0.7
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD12	12	0.7
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD13	12	0.7
(1,965)	1:6:A:PHE:HE1	1:4:A:ILE:HG21	12	0.7
(1,965)	1:6:A:PHE:HE1	1:4:A:ILE:HG22	12	0.7
(1,965)	1:6:A:PHE:HE1	1:4:A:ILE:HG23	12	0.7
(1,965)	1:6:A:PHE:HE2	1:4:A:ILE:HG21	12	0.7
(1,965)	1:6:A:PHE:HE2	1:4:A:ILE:HG22	12	0.7
(1,965)	1:6:A:PHE:HE2	1:4:A:ILE:HG23	12	0.7
(1,865)	1:103:A:GLU:HB2	1:102:A:LEU:HG	7	0.7
(1,865)	1:103:A:GLU:HB3	1:102:A:LEU:HG	7	0.7
(2,128)	1:16:A:GLY:H	1:17:A:LEU:HG	12	0.69
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG21	13	0.69
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG22	13	0.69
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG23	13	0.69
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD11	15	0.69
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD12	15	0.69
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD13	15	0.69
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD21	15	0.69
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD22	15	0.69
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD23	15	0.69
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG2	6	0.69
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG3	6	0.69
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG2	10	0.69
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG3	10	0.69
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG2	12	0.69
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG3	12	0.69
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	15	0.69
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	15	0.69
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	15	0.69
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	15	0.69
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	15	0.69
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	15	0.69
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	15	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	15	0.69
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	15	0.69
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	15	0.69
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	15	0.69
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	15	0.69
(1,2830)	1:57:A:GLN:HE21	1:55:A:LYS:HA	2	0.69
(1,2793)	1:49:A:GLU:H	1:44:A:THR:HA	15	0.69
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	1	0.69
(1,2766)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	1	0.69
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	1	0.69
(1,2766)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	1	0.69
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	4	0.69
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	4	0.69
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	4	0.69
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	4	0.69
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	4	0.69
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	4	0.69
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	14	0.69
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	14	0.69
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	14	0.69
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	14	0.69
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	14	0.69
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	14	0.69
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG21	13	0.69
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG22	13	0.69
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG23	13	0.69
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD11	15	0.69
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD12	15	0.69
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD13	15	0.69
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD21	15	0.69
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD22	15	0.69
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD23	15	0.69
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG2	6	0.69
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG3	6	0.69
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG2	10	0.69
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG3	10	0.69
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG2	12	0.69
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG3	12	0.69
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	15	0.69
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	15	0.69
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	15	0.69
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	15	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	15	0.69
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	15	0.69
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	15	0.69
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	15	0.69
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	15	0.69
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	15	0.69
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	15	0.69
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	15	0.69
(1,2706)	1:57:A:GLN:HE21	1:55:A:LYS:HA	2	0.69
(1,2669)	1:49:A:GLU:H	1:44:A:THR:HA	15	0.69
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	1	0.69
(1,2642)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	1	0.69
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	1	0.69
(1,2642)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	1	0.69
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	4	0.69
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	4	0.69
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	4	0.69
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	4	0.69
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	4	0.69
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	4	0.69
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	14	0.69
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	14	0.69
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	14	0.69
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	14	0.69
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	14	0.69
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	14	0.69
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG21	13	0.69
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG22	13	0.69
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG23	13	0.69
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD11	15	0.69
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD12	15	0.69
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD13	15	0.69
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD21	15	0.69
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD22	15	0.69
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD23	15	0.69
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG2	6	0.69
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG3	6	0.69
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG2	10	0.69
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG3	10	0.69
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG2	12	0.69
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG3	12	0.69
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	15	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	15	0.69
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	15	0.69
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	15	0.69
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	15	0.69
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	15	0.69
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	15	0.69
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	15	0.69
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	15	0.69
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	15	0.69
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	15	0.69
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	15	0.69
(1,2582)	1:57:A:GLN:HE21	1:55:A:LYS:HA	2	0.69
(1,2545)	1:49:A:GLU:H	1:44:A:THR:HA	15	0.69
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	1	0.69
(1,2518)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	1	0.69
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	1	0.69
(1,2518)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	1	0.69
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	4	0.69
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	4	0.69
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	4	0.69
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	4	0.69
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	4	0.69
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	4	0.69
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	14	0.69
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	14	0.69
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	14	0.69
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	14	0.69
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	14	0.69
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	14	0.69
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG21	13	0.69
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG22	13	0.69
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG23	13	0.69
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD11	15	0.69
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD12	15	0.69
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD13	15	0.69
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD21	15	0.69
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD22	15	0.69
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD23	15	0.69
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG2	6	0.69
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG3	6	0.69
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG2	10	0.69
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG3	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG2	12	0.69
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG3	12	0.69
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	15	0.69
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	15	0.69
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	15	0.69
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	15	0.69
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	15	0.69
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	15	0.69
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	15	0.69
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	15	0.69
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	15	0.69
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	15	0.69
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	15	0.69
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	15	0.69
(1,2458)	1:57:A:GLN:HE21	1:55:A:LYS:HA	2	0.69
(1,2421)	1:49:A:GLU:H	1:44:A:THR:HA	15	0.69
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	1	0.69
(1,2394)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	1	0.69
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	1	0.69
(1,2394)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	1	0.69
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	4	0.69
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	4	0.69
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	4	0.69
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	4	0.69
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	4	0.69
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	4	0.69
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	14	0.69
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	14	0.69
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	14	0.69
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	14	0.69
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	14	0.69
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	14	0.69
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG21	13	0.69
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG22	13	0.69
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG23	13	0.69
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD11	15	0.69
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD12	15	0.69
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD13	15	0.69
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD21	15	0.69
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD22	15	0.69
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD23	15	0.69
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG2	6	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG3	6	0.69
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG2	10	0.69
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG3	10	0.69
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG2	12	0.69
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG3	12	0.69
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	15	0.69
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	15	0.69
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	15	0.69
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	15	0.69
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	15	0.69
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	15	0.69
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	15	0.69
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	15	0.69
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	15	0.69
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	15	0.69
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	15	0.69
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	15	0.69
(1,2334)	1:57:A:GLN:HE21	1:55:A:LYS:HA	2	0.69
(1,2297)	1:49:A:GLU:H	1:44:A:THR:HA	15	0.69
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD2	1	0.69
(1,2270)	1:23:A:GLN:HB2	1:26:A:PRO:HD3	1	0.69
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD2	1	0.69
(1,2270)	1:23:A:GLN:HB3	1:26:A:PRO:HD3	1	0.69
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	4	0.69
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	4	0.69
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	4	0.69
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	4	0.69
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	4	0.69
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	4	0.69
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	14	0.69
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	14	0.69
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	14	0.69
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	14	0.69
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	14	0.69
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	14	0.69
(1,2241)	1:103:A:GLU:HB2	1:102:A:LEU:HG	6	0.69
(1,2241)	1:103:A:GLU:HB3	1:102:A:LEU:HG	6	0.69
(1,2225)	1:101:A:PRO:HD2	1:98:A:ALA:H	9	0.69
(1,2225)	1:101:A:PRO:HD3	1:98:A:ALA:H	9	0.69
(1,2211)	1:97:A:VAL:H	1:100:A:ASP:H	2	0.69
(1,2211)	1:97:A:VAL:H	1:100:A:ASP:H	14	0.69
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB1	4	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB2	4	0.69
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB3	4	0.69
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB1	4	0.69
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB2	4	0.69
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB3	4	0.69
(1,2169)	1:94:A:ARG:H	1:93:A:LYS:HG2	5	0.69
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG21	8	0.69
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG22	8	0.69
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG23	8	0.69
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE1	1	0.69
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE2	1	0.69
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE3	1	0.69
(1,2116)	1:86:A:ARG:HB3	1:83:A:ASP:HA	5	0.69
(1,2114)	1:86:A:ARG:HB2	1:83:A:ASP:HA	3	0.69
(1,2105)	1:84:A:GLU:HA	1:86:A:ARG:H	14	0.69
(1,2069)	1:82:A:MET:HG3	1:83:A:ASP:H	2	0.69
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD11	11	0.69
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD12	11	0.69
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD13	11	0.69
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG2	9	0.69
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG3	9	0.69
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG2	13	0.69
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG3	13	0.69
(1,2048)	1:79:A:LYS:HB2	1:80:A:ALA:H	12	0.69
(1,2048)	1:79:A:LYS:HB3	1:80:A:ALA:H	12	0.69
(1,2023)	1:77:A:GLU:H	1:75:A:THR:HA	6	0.69
(1,2017)	1:76:A:PRO:HB2	1:77:A:GLU:H	1	0.69
(1,2017)	1:76:A:PRO:HB3	1:77:A:GLU:H	1	0.69
(1,2017)	1:76:A:PRO:HB2	1:77:A:GLU:H	2	0.69
(1,2017)	1:76:A:PRO:HB3	1:77:A:GLU:H	2	0.69
(1,2017)	1:76:A:PRO:HB2	1:77:A:GLU:H	5	0.69
(1,2017)	1:76:A:PRO:HB3	1:77:A:GLU:H	5	0.69
(1,2017)	1:76:A:PRO:HB2	1:77:A:GLU:H	7	0.69
(1,2017)	1:76:A:PRO:HB3	1:77:A:GLU:H	7	0.69
(1,2017)	1:76:A:PRO:HB2	1:77:A:GLU:H	10	0.69
(1,2017)	1:76:A:PRO:HB3	1:77:A:GLU:H	10	0.69
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD21	5	0.69
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD22	5	0.69
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD23	5	0.69
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD21	11	0.69
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD22	11	0.69
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD23	11	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2007)	1:75:A:THR:H	1:71:A:LEU:HA	3	0.69
(1,2007)	1:75:A:THR:H	1:71:A:LEU:HA	9	0.69
(1,2004)	1:74:A:LEU:HB2	1:75:A:THR:H	4	0.69
(1,2004)	1:74:A:LEU:HB3	1:75:A:THR:H	4	0.69
(1,2004)	1:74:A:LEU:HB2	1:75:A:THR:H	14	0.69
(1,2004)	1:74:A:LEU:HB3	1:75:A:THR:H	14	0.69
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG21	10	0.69
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG22	10	0.69
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG23	10	0.69
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG21	10	0.69
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG22	10	0.69
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG23	10	0.69
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG21	1	0.69
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG22	1	0.69
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG23	1	0.69
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG21	2	0.69
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG22	2	0.69
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG23	2	0.69
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE2	12	0.69
(1,1951)	1:68:A:LYS:H	1:65:A:LYS:HE3	12	0.69
(1,1930)	1:65:A:LYS:H	1:67:A:GLU:H	13	0.69
(1,1930)	1:65:A:LYS:H	1:67:A:GLU:H	15	0.69
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE2	6	0.69
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE3	6	0.69
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD11	6	0.69
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD12	6	0.69
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD13	6	0.69
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD11	13	0.69
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD12	13	0.69
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD13	13	0.69
(1,1873)	1:60:A:GLN:HG2	1:61:A:ASP:H	6	0.69
(1,1873)	1:60:A:GLN:HG3	1:61:A:ASP:H	6	0.69
(1,1818)	1:46:A:VAL:HA	1:45:A:THR:HB	12	0.69
(1,1799)	1:43:A:ALA:HA	1:46:A:VAL:HB	15	0.69
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB1	4	0.69
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB2	4	0.69
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB3	4	0.69
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB1	8	0.69
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB2	8	0.69
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB3	8	0.69
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB1	14	0.69
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB2	14	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB3	14	0.69
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB1	15	0.69
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB2	15	0.69
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB3	15	0.69
(1,1736)	1:29:A:VAL:HA	1:32:A:VAL:HB	2	0.69
(1,1736)	1:29:A:VAL:HA	1:32:A:VAL:HB	11	0.69
(1,1736)	1:29:A:VAL:HA	1:32:A:VAL:HB	14	0.69
(1,1731)	1:29:A:VAL:H	1:28:A:ALA:H	1	0.69
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG11	3	0.69
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG12	3	0.69
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG13	3	0.69
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG21	3	0.69
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG22	3	0.69
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG23	3	0.69
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD1	5	0.69
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD2	5	0.69
(1,1630)	1:12:A:VAL:HB	1:9:A:LEU:HA	1	0.69
(1,1549)	1:2:A:PHE:HB2	1:2:A:PHE:H	15	0.69
(1,1478)	1:75:A:THR:H	1:74:A:LEU:H	2	0.69
(1,1478)	1:75:A:THR:H	1:74:A:LEU:H	11	0.69
(1,1431)	1:56:A:LEU:H	1:54:A:LEU:H	8	0.69
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD11	11	0.69
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD12	11	0.69
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD13	11	0.69
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD21	11	0.69
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD22	11	0.69
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD23	11	0.69
(1,1324)	1:27:A:VAL:HB	1:24:A:ARG:HA	5	0.69
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD11	1	0.69
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD12	1	0.69
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD13	1	0.69
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD11	3	0.69
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD12	3	0.69
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD13	3	0.69
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD11	7	0.69
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD12	7	0.69
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD13	7	0.69
(1,906)	1:71:A:LEU:HG	1:72:A:THR:H	9	0.69
(1,120)	1:48:A:ASN:H	1:44:A:THR:HB	8	0.69
(1,120)	1:48:A:ASN:H	1:44:A:THR:HB	9	0.69
(1,2845)	1:71:A:LEU:H	1:68:A:LYS:HG2	7	0.68
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD11	13	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD12	13	0.68
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD13	13	0.68
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD21	13	0.68
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD22	13	0.68
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD23	13	0.68
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	3	0.68
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	3	0.68
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	3	0.68
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	3	0.68
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG2	9	0.68
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG3	9	0.68
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD11	2	0.68
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD12	2	0.68
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD13	2	0.68
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD21	2	0.68
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD22	2	0.68
(1,2834)	1:59:A:PHE:H	1:54:A:LEU:HD23	2	0.68
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	8	0.68
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	8	0.68
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	8	0.68
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	8	0.68
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	8	0.68
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	8	0.68
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD21	5	0.68
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD22	5	0.68
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD23	5	0.68
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG21	15	0.68
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG22	15	0.68
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG23	15	0.68
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG21	15	0.68
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG22	15	0.68
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG23	15	0.68
(1,2778)	1:45:A:THR:HA	1:49:A:GLU:H	5	0.68
(1,2755)	1:20:A:LEU:HD11	1:28:A:ALA:HB1	12	0.68
(1,2755)	1:20:A:LEU:HD11	1:28:A:ALA:HB2	12	0.68
(1,2755)	1:20:A:LEU:HD11	1:28:A:ALA:HB3	12	0.68
(1,2755)	1:20:A:LEU:HD12	1:28:A:ALA:HB1	12	0.68
(1,2755)	1:20:A:LEU:HD12	1:28:A:ALA:HB2	12	0.68
(1,2755)	1:20:A:LEU:HD12	1:28:A:ALA:HB3	12	0.68
(1,2755)	1:20:A:LEU:HD13	1:28:A:ALA:HB1	12	0.68
(1,2755)	1:20:A:LEU:HD13	1:28:A:ALA:HB2	12	0.68
(1,2755)	1:20:A:LEU:HD13	1:28:A:ALA:HB3	12	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2755)	1:20:A:LEU:HD21	1:28:A:ALA:HB1	12	0.68
(1,2755)	1:20:A:LEU:HD21	1:28:A:ALA:HB2	12	0.68
(1,2755)	1:20:A:LEU:HD21	1:28:A:ALA:HB3	12	0.68
(1,2755)	1:20:A:LEU:HD22	1:28:A:ALA:HB1	12	0.68
(1,2755)	1:20:A:LEU:HD22	1:28:A:ALA:HB2	12	0.68
(1,2755)	1:20:A:LEU:HD22	1:28:A:ALA:HB3	12	0.68
(1,2755)	1:20:A:LEU:HD23	1:28:A:ALA:HB1	12	0.68
(1,2755)	1:20:A:LEU:HD23	1:28:A:ALA:HB2	12	0.68
(1,2755)	1:20:A:LEU:HD23	1:28:A:ALA:HB3	12	0.68
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	10	0.68
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	10	0.68
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	10	0.68
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	10	0.68
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	10	0.68
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	10	0.68
(1,2721)	1:71:A:LEU:H	1:68:A:LYS:HG2	7	0.68
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD11	13	0.68
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD12	13	0.68
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD13	13	0.68
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD21	13	0.68
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD22	13	0.68
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD23	13	0.68
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	3	0.68
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	3	0.68
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	3	0.68
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	3	0.68
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG2	9	0.68
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG3	9	0.68
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD11	2	0.68
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD12	2	0.68
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD13	2	0.68
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD21	2	0.68
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD22	2	0.68
(1,2710)	1:59:A:PHE:H	1:54:A:LEU:HD23	2	0.68
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	8	0.68
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	8	0.68
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	8	0.68
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	8	0.68
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	8	0.68
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	8	0.68
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD21	5	0.68
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD22	5	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD23	5	0.68
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG21	15	0.68
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG22	15	0.68
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG23	15	0.68
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG21	15	0.68
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG22	15	0.68
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG23	15	0.68
(1,2654)	1:45:A:THR:HA	1:49:A:GLU:H	5	0.68
(1,2631)	1:20:A:LEU:HD11	1:28:A:ALA:HB1	12	0.68
(1,2631)	1:20:A:LEU:HD11	1:28:A:ALA:HB2	12	0.68
(1,2631)	1:20:A:LEU:HD11	1:28:A:ALA:HB3	12	0.68
(1,2631)	1:20:A:LEU:HD12	1:28:A:ALA:HB1	12	0.68
(1,2631)	1:20:A:LEU:HD12	1:28:A:ALA:HB2	12	0.68
(1,2631)	1:20:A:LEU:HD12	1:28:A:ALA:HB3	12	0.68
(1,2631)	1:20:A:LEU:HD13	1:28:A:ALA:HB1	12	0.68
(1,2631)	1:20:A:LEU:HD13	1:28:A:ALA:HB2	12	0.68
(1,2631)	1:20:A:LEU:HD13	1:28:A:ALA:HB3	12	0.68
(1,2631)	1:20:A:LEU:HD21	1:28:A:ALA:HB1	12	0.68
(1,2631)	1:20:A:LEU:HD21	1:28:A:ALA:HB2	12	0.68
(1,2631)	1:20:A:LEU:HD21	1:28:A:ALA:HB3	12	0.68
(1,2631)	1:20:A:LEU:HD22	1:28:A:ALA:HB1	12	0.68
(1,2631)	1:20:A:LEU:HD22	1:28:A:ALA:HB2	12	0.68
(1,2631)	1:20:A:LEU:HD22	1:28:A:ALA:HB3	12	0.68
(1,2631)	1:20:A:LEU:HD23	1:28:A:ALA:HB1	12	0.68
(1,2631)	1:20:A:LEU:HD23	1:28:A:ALA:HB2	12	0.68
(1,2631)	1:20:A:LEU:HD23	1:28:A:ALA:HB3	12	0.68
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	10	0.68
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	10	0.68
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	10	0.68
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	10	0.68
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	10	0.68
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	10	0.68
(1,2597)	1:71:A:LEU:H	1:68:A:LYS:HG2	7	0.68
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD11	13	0.68
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD12	13	0.68
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD13	13	0.68
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD21	13	0.68
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD22	13	0.68
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD23	13	0.68
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	3	0.68
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	3	0.68
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	3	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	3	0.68
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG2	9	0.68
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG3	9	0.68
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD11	2	0.68
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD12	2	0.68
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD13	2	0.68
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD21	2	0.68
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD22	2	0.68
(1,2586)	1:59:A:PHE:H	1:54:A:LEU:HD23	2	0.68
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	8	0.68
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	8	0.68
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	8	0.68
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	8	0.68
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	8	0.68
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	8	0.68
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD21	5	0.68
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD22	5	0.68
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD23	5	0.68
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG21	15	0.68
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG22	15	0.68
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG23	15	0.68
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG21	15	0.68
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG22	15	0.68
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG23	15	0.68
(1,2530)	1:45:A:THR:HA	1:49:A:GLU:H	5	0.68
(1,2507)	1:20:A:LEU:HD11	1:28:A:ALA:HB1	12	0.68
(1,2507)	1:20:A:LEU:HD11	1:28:A:ALA:HB2	12	0.68
(1,2507)	1:20:A:LEU:HD11	1:28:A:ALA:HB3	12	0.68
(1,2507)	1:20:A:LEU:HD12	1:28:A:ALA:HB1	12	0.68
(1,2507)	1:20:A:LEU:HD12	1:28:A:ALA:HB2	12	0.68
(1,2507)	1:20:A:LEU:HD12	1:28:A:ALA:HB3	12	0.68
(1,2507)	1:20:A:LEU:HD13	1:28:A:ALA:HB1	12	0.68
(1,2507)	1:20:A:LEU:HD13	1:28:A:ALA:HB2	12	0.68
(1,2507)	1:20:A:LEU:HD13	1:28:A:ALA:HB3	12	0.68
(1,2507)	1:20:A:LEU:HD21	1:28:A:ALA:HB1	12	0.68
(1,2507)	1:20:A:LEU:HD21	1:28:A:ALA:HB2	12	0.68
(1,2507)	1:20:A:LEU:HD21	1:28:A:ALA:HB3	12	0.68
(1,2507)	1:20:A:LEU:HD22	1:28:A:ALA:HB1	12	0.68
(1,2507)	1:20:A:LEU:HD22	1:28:A:ALA:HB2	12	0.68
(1,2507)	1:20:A:LEU:HD22	1:28:A:ALA:HB3	12	0.68
(1,2507)	1:20:A:LEU:HD23	1:28:A:ALA:HB1	12	0.68
(1,2507)	1:20:A:LEU:HD23	1:28:A:ALA:HB2	12	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2507)	1:20:A:LEU:HD23	1:28:A:ALA:HB3	12	0.68
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	10	0.68
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	10	0.68
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	10	0.68
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	10	0.68
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	10	0.68
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	10	0.68
(1,2473)	1:71:A:LEU:H	1:68:A:LYS:HG2	7	0.68
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD11	13	0.68
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD12	13	0.68
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD13	13	0.68
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD21	13	0.68
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD22	13	0.68
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD23	13	0.68
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	3	0.68
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	3	0.68
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	3	0.68
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	3	0.68
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG2	9	0.68
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG3	9	0.68
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD11	2	0.68
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD12	2	0.68
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD13	2	0.68
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD21	2	0.68
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD22	2	0.68
(1,2462)	1:59:A:PHE:H	1:54:A:LEU:HD23	2	0.68
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	8	0.68
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	8	0.68
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	8	0.68
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	8	0.68
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	8	0.68
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	8	0.68
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD21	5	0.68
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD22	5	0.68
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD23	5	0.68
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG21	15	0.68
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG22	15	0.68
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG23	15	0.68
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG21	15	0.68
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG22	15	0.68
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG23	15	0.68
(1,2406)	1:45:A:THR:HA	1:49:A:GLU:H	5	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2383)	1:20:A:LEU:HD11	1:28:A:ALA:HB1	12	0.68
(1,2383)	1:20:A:LEU:HD11	1:28:A:ALA:HB2	12	0.68
(1,2383)	1:20:A:LEU:HD11	1:28:A:ALA:HB3	12	0.68
(1,2383)	1:20:A:LEU:HD12	1:28:A:ALA:HB1	12	0.68
(1,2383)	1:20:A:LEU:HD12	1:28:A:ALA:HB2	12	0.68
(1,2383)	1:20:A:LEU:HD12	1:28:A:ALA:HB3	12	0.68
(1,2383)	1:20:A:LEU:HD13	1:28:A:ALA:HB1	12	0.68
(1,2383)	1:20:A:LEU:HD13	1:28:A:ALA:HB2	12	0.68
(1,2383)	1:20:A:LEU:HD13	1:28:A:ALA:HB3	12	0.68
(1,2383)	1:20:A:LEU:HD21	1:28:A:ALA:HB1	12	0.68
(1,2383)	1:20:A:LEU:HD21	1:28:A:ALA:HB2	12	0.68
(1,2383)	1:20:A:LEU:HD21	1:28:A:ALA:HB3	12	0.68
(1,2383)	1:20:A:LEU:HD22	1:28:A:ALA:HB1	12	0.68
(1,2383)	1:20:A:LEU:HD22	1:28:A:ALA:HB2	12	0.68
(1,2383)	1:20:A:LEU:HD22	1:28:A:ALA:HB3	12	0.68
(1,2383)	1:20:A:LEU:HD23	1:28:A:ALA:HB1	12	0.68
(1,2383)	1:20:A:LEU:HD23	1:28:A:ALA:HB2	12	0.68
(1,2383)	1:20:A:LEU:HD23	1:28:A:ALA:HB3	12	0.68
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	10	0.68
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	10	0.68
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	10	0.68
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	10	0.68
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	10	0.68
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	10	0.68
(1,2349)	1:71:A:LEU:H	1:68:A:LYS:HG2	7	0.68
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD11	13	0.68
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD12	13	0.68
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD13	13	0.68
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD21	13	0.68
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD22	13	0.68
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD23	13	0.68
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	3	0.68
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	3	0.68
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	3	0.68
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	3	0.68
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG2	9	0.68
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG3	9	0.68
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD11	2	0.68
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD12	2	0.68
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD13	2	0.68
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD21	2	0.68
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD22	2	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2338)	1:59:A:PHE:H	1:54:A:LEU:HD23	2	0.68
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	8	0.68
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	8	0.68
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	8	0.68
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	8	0.68
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	8	0.68
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	8	0.68
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD21	5	0.68
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD22	5	0.68
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD23	5	0.68
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG21	15	0.68
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG22	15	0.68
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG23	15	0.68
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG21	15	0.68
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG22	15	0.68
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG23	15	0.68
(1,2282)	1:45:A:THR:HA	1:49:A:GLU:H	5	0.68
(1,2259)	1:20:A:LEU:HD11	1:28:A:ALA:HB1	12	0.68
(1,2259)	1:20:A:LEU:HD11	1:28:A:ALA:HB2	12	0.68
(1,2259)	1:20:A:LEU:HD11	1:28:A:ALA:HB3	12	0.68
(1,2259)	1:20:A:LEU:HD12	1:28:A:ALA:HB1	12	0.68
(1,2259)	1:20:A:LEU:HD12	1:28:A:ALA:HB2	12	0.68
(1,2259)	1:20:A:LEU:HD12	1:28:A:ALA:HB3	12	0.68
(1,2259)	1:20:A:LEU:HD13	1:28:A:ALA:HB1	12	0.68
(1,2259)	1:20:A:LEU:HD13	1:28:A:ALA:HB2	12	0.68
(1,2259)	1:20:A:LEU:HD13	1:28:A:ALA:HB3	12	0.68
(1,2259)	1:20:A:LEU:HD21	1:28:A:ALA:HB1	12	0.68
(1,2259)	1:20:A:LEU:HD21	1:28:A:ALA:HB2	12	0.68
(1,2259)	1:20:A:LEU:HD21	1:28:A:ALA:HB3	12	0.68
(1,2259)	1:20:A:LEU:HD22	1:28:A:ALA:HB1	12	0.68
(1,2259)	1:20:A:LEU:HD22	1:28:A:ALA:HB2	12	0.68
(1,2259)	1:20:A:LEU:HD22	1:28:A:ALA:HB3	12	0.68
(1,2259)	1:20:A:LEU:HD23	1:28:A:ALA:HB1	12	0.68
(1,2259)	1:20:A:LEU:HD23	1:28:A:ALA:HB2	12	0.68
(1,2259)	1:20:A:LEU:HD23	1:28:A:ALA:HB3	12	0.68
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	10	0.68
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	10	0.68
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	10	0.68
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	10	0.68
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	10	0.68
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	10	0.68
(1,2235)	1:102:A:LEU:H	1:100:A:ASP:HA	5	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2234)	1:101:A:PRO:HD2	1:103:A:GLU:H	6	0.68
(1,2234)	1:101:A:PRO:HD3	1:103:A:GLU:H	6	0.68
(1,2231)	1:101:A:PRO:HG2	1:102:A:LEU:HG	2	0.68
(1,2215)	1:98:A:ALA:H	1:99:A:ASN:HA	10	0.68
(1,2197)	1:96:A:TYR:HA	1:100:A:ASP:H	3	0.68
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB2	6	0.68
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB3	6	0.68
(1,2116)	1:86:A:ARG:HB3	1:83:A:ASP:HA	3	0.68
(1,2114)	1:86:A:ARG:HB2	1:83:A:ASP:HA	4	0.68
(1,2097)	1:84:A:GLU:HA	1:83:A:ASP:HB3	11	0.68
(1,2069)	1:82:A:MET:HG3	1:83:A:ASP:H	14	0.68
(1,2038)	1:78:A:LEU:HA	1:81:A:SER:HB3	9	0.68
(1,2023)	1:77:A:GLU:H	1:75:A:THR:HA	3	0.68
(1,2023)	1:77:A:GLU:H	1:75:A:THR:HA	8	0.68
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD21	1	0.68
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD22	1	0.68
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD23	1	0.68
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD21	2	0.68
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD22	2	0.68
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD23	2	0.68
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD21	10	0.68
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD22	10	0.68
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD23	10	0.68
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD21	12	0.68
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD22	12	0.68
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD23	12	0.68
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG21	11	0.68
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG22	11	0.68
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG23	11	0.68
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG21	12	0.68
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG22	12	0.68
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG23	12	0.68
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD21	11	0.68
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD22	11	0.68
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD23	11	0.68
(1,1930)	1:65:A:LYS:H	1:67:A:GLU:H	9	0.68
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG21	3	0.68
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG22	3	0.68
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG23	3	0.68
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG11	3	0.68
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG12	3	0.68
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG13	3	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG21	13	0.68
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG22	13	0.68
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG23	13	0.68
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG11	13	0.68
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG12	13	0.68
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG13	13	0.68
(1,1882)	1:61:A:ASP:H	1:60:A:GLN:HB2	4	0.68
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD11	9	0.68
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD12	9	0.68
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD13	9	0.68
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD11	9	0.68
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD12	9	0.68
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD13	9	0.68
(1,1873)	1:60:A:GLN:HG2	1:61:A:ASP:H	12	0.68
(1,1873)	1:60:A:GLN:HG3	1:61:A:ASP:H	12	0.68
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG21	15	0.68
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG22	15	0.68
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG23	15	0.68
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG21	7	0.68
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG22	7	0.68
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG23	7	0.68
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG21	7	0.68
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG22	7	0.68
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG23	7	0.68
(1,1846)	1:51:A:THR:HA	1:53:A:GLU:H	12	0.68
(1,1817)	1:46:A:VAL:H	1:43:A:ALA:HA	10	0.68
(1,1817)	1:46:A:VAL:H	1:43:A:ALA:HA	11	0.68
(1,1769)	1:37:A:ARG:HA	1:41:A:SER:H	6	0.68
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG11	13	0.68
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG12	13	0.68
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG13	13	0.68
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB1	11	0.68
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB2	11	0.68
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB3	11	0.68
(1,1679)	1:17:A:LEU:H	1:16:A:GLY:H	1	0.68
(1,1679)	1:17:A:LEU:H	1:16:A:GLY:H	3	0.68
(1,1679)	1:17:A:LEU:H	1:16:A:GLY:H	4	0.68
(1,1679)	1:17:A:LEU:H	1:16:A:GLY:H	7	0.68
(1,1679)	1:17:A:LEU:H	1:16:A:GLY:H	8	0.68
(1,1679)	1:17:A:LEU:H	1:16:A:GLY:H	10	0.68
(1,1679)	1:17:A:LEU:H	1:16:A:GLY:H	14	0.68
(1,1679)	1:17:A:LEU:H	1:16:A:GLY:H	15	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD11	8	0.68
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD12	8	0.68
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD13	8	0.68
(1,1592)	1:6:A:PHE:H	1:5:A:GLY:H	10	0.68
(1,1542)	1:1:A:MET:HE1	1:2:A:PHE:H	15	0.68
(1,1542)	1:1:A:MET:HE2	1:2:A:PHE:H	15	0.68
(1,1542)	1:1:A:MET:HE3	1:2:A:PHE:H	15	0.68
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG11	8	0.68
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG12	8	0.68
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG13	8	0.68
(1,1531)	1:96:A:TYR:HB2	1:98:A:ALA:H	12	0.68
(1,1531)	1:96:A:TYR:HB3	1:98:A:ALA:H	12	0.68
(1,1427)	1:51:A:THR:H	1:49:A:GLU:HB2	12	0.68
(1,1427)	1:51:A:THR:H	1:49:A:GLU:HB3	12	0.68
(1,1424)	1:48:A:ASN:H	1:49:A:GLU:HB2	3	0.68
(1,1386)	1:42:A:LEU:HD11	1:39:A:LEU:H	7	0.68
(1,1386)	1:42:A:LEU:HD12	1:39:A:LEU:H	7	0.68
(1,1386)	1:42:A:LEU:HD13	1:39:A:LEU:H	7	0.68
(1,1386)	1:42:A:LEU:HD21	1:39:A:LEU:H	7	0.68
(1,1386)	1:42:A:LEU:HD22	1:39:A:LEU:H	7	0.68
(1,1386)	1:42:A:LEU:HD23	1:39:A:LEU:H	7	0.68
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG11	1	0.68
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG12	1	0.68
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG13	1	0.68
(1,1324)	1:27:A:VAL:HB	1:24:A:ARG:HA	3	0.68
(1,1324)	1:27:A:VAL:HB	1:24:A:ARG:HA	4	0.68
(1,1324)	1:27:A:VAL:HB	1:24:A:ARG:HA	6	0.68
(1,1324)	1:27:A:VAL:HB	1:24:A:ARG:HA	7	0.68
(1,1324)	1:27:A:VAL:HB	1:24:A:ARG:HA	8	0.68
(1,1324)	1:27:A:VAL:HB	1:24:A:ARG:HA	9	0.68
(1,1324)	1:27:A:VAL:HB	1:24:A:ARG:HA	10	0.68
(1,1324)	1:27:A:VAL:HB	1:24:A:ARG:HA	11	0.68
(1,1324)	1:27:A:VAL:HB	1:24:A:ARG:HA	13	0.68
(1,1324)	1:27:A:VAL:HB	1:24:A:ARG:HA	14	0.68
(1,1324)	1:27:A:VAL:HB	1:24:A:ARG:HA	15	0.68
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD11	8	0.68
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD12	8	0.68
(1,1301)	1:18:A:VAL:H	1:15:A:ILE:HD13	8	0.68
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD11	13	0.68
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD12	13	0.68
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD13	13	0.68
(1,906)	1:71:A:LEU:HG	1:72:A:THR:H	3	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,120)	1:48:A:ASN:H	1:44:A:THR:HB	2	0.68
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD11	4	0.67
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD12	4	0.67
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD13	4	0.67
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	5	0.67
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	5	0.67
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	5	0.67
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	5	0.67
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	5	0.67
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	5	0.67
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	5	0.67
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	5	0.67
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	5	0.67
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	5	0.67
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	5	0.67
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	5	0.67
(1,2801)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	15	0.67
(1,2801)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	15	0.67
(1,2801)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	15	0.67
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG21	4	0.67
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG22	4	0.67
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG23	4	0.67
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD21	4	0.67
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD22	4	0.67
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD23	4	0.67
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD21	7	0.67
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD22	7	0.67
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD23	7	0.67
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD11	4	0.67
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD12	4	0.67
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD13	4	0.67
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	5	0.67
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	5	0.67
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	5	0.67
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	5	0.67
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	5	0.67
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	5	0.67
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	5	0.67
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	5	0.67
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	5	0.67
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	5	0.67
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	5	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	5	0.67
(1,2677)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	15	0.67
(1,2677)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	15	0.67
(1,2677)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	15	0.67
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG21	4	0.67
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG22	4	0.67
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG23	4	0.67
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD21	4	0.67
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD22	4	0.67
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD23	4	0.67
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD21	7	0.67
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD22	7	0.67
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD23	7	0.67
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD11	4	0.67
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD12	4	0.67
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD13	4	0.67
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	5	0.67
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	5	0.67
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	5	0.67
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	5	0.67
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	5	0.67
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	5	0.67
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	5	0.67
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	5	0.67
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	5	0.67
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	5	0.67
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	5	0.67
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	5	0.67
(1,2553)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	15	0.67
(1,2553)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	15	0.67
(1,2553)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	15	0.67
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG21	4	0.67
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG22	4	0.67
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG23	4	0.67
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD21	4	0.67
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD22	4	0.67
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD23	4	0.67
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD21	7	0.67
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD22	7	0.67
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD23	7	0.67
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD11	4	0.67
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD12	4	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD13	4	0.67
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	5	0.67
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	5	0.67
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	5	0.67
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	5	0.67
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	5	0.67
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	5	0.67
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	5	0.67
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	5	0.67
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	5	0.67
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	5	0.67
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	5	0.67
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	5	0.67
(1,2429)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	15	0.67
(1,2429)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	15	0.67
(1,2429)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	15	0.67
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG21	4	0.67
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG22	4	0.67
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG23	4	0.67
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD21	4	0.67
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD22	4	0.67
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD23	4	0.67
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD21	7	0.67
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD22	7	0.67
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD23	7	0.67
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD11	4	0.67
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD12	4	0.67
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD13	4	0.67
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	5	0.67
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	5	0.67
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	5	0.67
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	5	0.67
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	5	0.67
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	5	0.67
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	5	0.67
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	5	0.67
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	5	0.67
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	5	0.67
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	5	0.67
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	5	0.67
(1,2305)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	15	0.67
(1,2305)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	15	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2305)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	15	0.67
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG21	4	0.67
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG22	4	0.67
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG23	4	0.67
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD21	4	0.67
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD22	4	0.67
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD23	4	0.67
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD21	7	0.67
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD22	7	0.67
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD23	7	0.67
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB2	9	0.67
(1,2236)	1:102:A:LEU:HA	1:103:A:GLU:HB3	9	0.67
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB1	5	0.67
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB2	5	0.67
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB3	5	0.67
(1,2216)	1:98:A:ALA:HA	1:100:A:ASP:H	11	0.67
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB1	12	0.67
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB2	12	0.67
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB3	12	0.67
(1,2158)	1:93:A:LYS:HB2	1:90:A:GLU:HA	12	0.67
(1,2158)	1:93:A:LYS:HB3	1:90:A:GLU:HA	12	0.67
(1,2114)	1:86:A:ARG:HB2	1:83:A:ASP:HA	1	0.67
(1,2114)	1:86:A:ARG:HB2	1:83:A:ASP:HA	2	0.67
(1,2114)	1:86:A:ARG:HB2	1:83:A:ASP:HA	11	0.67
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG2	7	0.67
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG3	7	0.67
(1,2048)	1:79:A:LYS:HB2	1:80:A:ALA:H	3	0.67
(1,2048)	1:79:A:LYS:HB3	1:80:A:ALA:H	3	0.67
(1,2048)	1:79:A:LYS:HB2	1:80:A:ALA:H	5	0.67
(1,2048)	1:79:A:LYS:HB3	1:80:A:ALA:H	5	0.67
(1,2023)	1:77:A:GLU:H	1:75:A:THR:HA	4	0.67
(1,2023)	1:77:A:GLU:H	1:75:A:THR:HA	9	0.67
(1,2017)	1:76:A:PRO:HB2	1:77:A:GLU:H	12	0.67
(1,2017)	1:76:A:PRO:HB3	1:77:A:GLU:H	12	0.67
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD11	8	0.67
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD12	8	0.67
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD13	8	0.67
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD21	8	0.67
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD22	8	0.67
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD23	8	0.67
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD11	8	0.67
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD12	8	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD13	8	0.67
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD21	8	0.67
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD22	8	0.67
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD23	8	0.67
(1,1986)	1:73:A:ASN:H	1:72:A:THR:HB	13	0.67
(1,1984)	1:73:A:ASN:H	1:71:A:LEU:HA	9	0.67
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB1	9	0.67
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB2	9	0.67
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB3	9	0.67
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB1	9	0.67
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB2	9	0.67
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB3	9	0.67
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG21	10	0.67
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG22	10	0.67
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG23	10	0.67
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG21	10	0.67
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG22	10	0.67
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG23	10	0.67
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB1	11	0.67
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB2	11	0.67
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB3	11	0.67
(1,1930)	1:65:A:LYS:H	1:67:A:GLU:H	3	0.67
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD11	11	0.67
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD12	11	0.67
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD13	11	0.67
(1,1866)	1:56:A:LEU:HB2	1:60:A:GLN:HE21	15	0.67
(1,1818)	1:46:A:VAL:HA	1:45:A:THR:HB	7	0.67
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB1	7	0.67
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB2	7	0.67
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB3	7	0.67
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB1	10	0.67
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB2	10	0.67
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB3	10	0.67
(1,1736)	1:29:A:VAL:HA	1:32:A:VAL:HB	8	0.67
(1,1736)	1:29:A:VAL:HA	1:32:A:VAL:HB	15	0.67
(1,1704)	1:22:A:PRO:HG2	1:23:A:GLN:H	4	0.67
(1,1704)	1:22:A:PRO:HG3	1:23:A:GLN:H	4	0.67
(1,1704)	1:22:A:PRO:HG2	1:23:A:GLN:H	5	0.67
(1,1704)	1:22:A:PRO:HG3	1:23:A:GLN:H	5	0.67
(1,1704)	1:22:A:PRO:HG2	1:23:A:GLN:H	9	0.67
(1,1704)	1:22:A:PRO:HG3	1:23:A:GLN:H	9	0.67
(1,1704)	1:22:A:PRO:HG2	1:23:A:GLN:H	10	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1704)	1:22:A:PRO:HG3	1:23:A:GLN:H	10	0.67
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD1	2	0.67
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD2	2	0.67
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD1	10	0.67
(1,1654)	1:14:A:ILE:H	1:13:A:PHE:HD2	10	0.67
(1,1643)	1:13:A:PHE:HB2	1:14:A:ILE:HB	14	0.67
(1,1643)	1:13:A:PHE:HB3	1:14:A:ILE:HB	14	0.67
(1,1603)	1:6:A:PHE:HA	1:10:A:LEU:H	11	0.67
(1,1592)	1:6:A:PHE:H	1:5:A:GLY:H	2	0.67
(1,1592)	1:6:A:PHE:H	1:5:A:GLY:H	4	0.67
(1,1592)	1:6:A:PHE:H	1:5:A:GLY:H	9	0.67
(1,1592)	1:6:A:PHE:H	1:5:A:GLY:H	14	0.67
(1,1577)	1:4:A:ILE:HG13	1:4:A:ILE:H	11	0.67
(1,1564)	1:3:A:ASP:HB2	1:4:A:ILE:HA	11	0.67
(1,1531)	1:96:A:TYR:HB2	1:98:A:ALA:H	1	0.67
(1,1531)	1:96:A:TYR:HB3	1:98:A:ALA:H	1	0.67
(1,1531)	1:96:A:TYR:HB2	1:98:A:ALA:H	13	0.67
(1,1531)	1:96:A:TYR:HB3	1:98:A:ALA:H	13	0.67
(1,1531)	1:96:A:TYR:HB2	1:98:A:ALA:H	15	0.67
(1,1531)	1:96:A:TYR:HB3	1:98:A:ALA:H	15	0.67
(1,1450)	1:66:A:VAL:HA	1:70:A:SER:H	11	0.67
(1,1424)	1:48:A:ASN:H	1:49:A:GLU:HB2	4	0.67
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB1	1	0.67
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB2	1	0.67
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB3	1	0.67
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB1	1	0.67
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB2	1	0.67
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB3	1	0.67
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD11	2	0.67
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD12	2	0.67
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD13	2	0.67
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD11	5	0.67
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD12	5	0.67
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD13	5	0.67
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD11	6	0.67
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD12	6	0.67
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD13	6	0.67
(1,1243)	1:2:A:PHE:HB3	1:3:A:ASP:H	8	0.67
(1,1243)	1:2:A:PHE:HB2	1:3:A:ASP:H	8	0.67
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD11	11	0.67
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD12	11	0.67
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD13	11	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD21	11	0.67
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD22	11	0.67
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD23	11	0.67
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD11	11	0.67
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD12	11	0.67
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD13	11	0.67
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD21	11	0.67
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD22	11	0.67
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD23	11	0.67
(2,241)	1:74:A:LEU:H	1:70:A:SER:HB3	13	0.66
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD11	14	0.66
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD12	14	0.66
(1,2853)	1:72:A:THR:HB	1:78:A:LEU:HD13	14	0.66
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD11	3	0.66
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD12	3	0.66
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD13	3	0.66
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD21	3	0.66
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD22	3	0.66
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD23	3	0.66
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD11	9	0.66
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD12	9	0.66
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD13	9	0.66
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD21	9	0.66
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD22	9	0.66
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD23	9	0.66
(1,2831)	1:58:A:GLU:H	1:56:A:LEU:HA	7	0.66
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	14	0.66
(1,2821)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	14	0.66
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	14	0.66
(1,2821)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	14	0.66
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	14	0.66
(1,2821)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	14	0.66
(1,2796)	1:49:A:GLU:H	1:51:A:THR:HA	9	0.66
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG21	7	0.66
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG22	7	0.66
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG23	7	0.66
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG21	7	0.66
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG22	7	0.66
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG23	7	0.66
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD21	14	0.66
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD22	14	0.66
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD23	14	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD11	14	0.66
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD12	14	0.66
(1,2729)	1:72:A:THR:HB	1:78:A:LEU:HD13	14	0.66
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD11	3	0.66
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD12	3	0.66
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD13	3	0.66
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD21	3	0.66
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD22	3	0.66
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD23	3	0.66
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD11	9	0.66
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD12	9	0.66
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD13	9	0.66
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD21	9	0.66
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD22	9	0.66
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD23	9	0.66
(1,2707)	1:58:A:GLU:H	1:56:A:LEU:HA	7	0.66
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	14	0.66
(1,2697)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	14	0.66
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	14	0.66
(1,2697)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	14	0.66
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	14	0.66
(1,2697)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	14	0.66
(1,2672)	1:49:A:GLU:H	1:51:A:THR:HA	9	0.66
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG21	7	0.66
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG22	7	0.66
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG23	7	0.66
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG21	7	0.66
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG22	7	0.66
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG23	7	0.66
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD21	14	0.66
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD22	14	0.66
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD23	14	0.66
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD11	14	0.66
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD12	14	0.66
(1,2605)	1:72:A:THR:HB	1:78:A:LEU:HD13	14	0.66
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD11	3	0.66
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD12	3	0.66
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD13	3	0.66
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD21	3	0.66
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD22	3	0.66
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD23	3	0.66
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD11	9	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD12	9	0.66
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD13	9	0.66
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD21	9	0.66
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD22	9	0.66
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD23	9	0.66
(1,2583)	1:58:A:GLU:H	1:56:A:LEU:HA	7	0.66
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	14	0.66
(1,2573)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	14	0.66
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	14	0.66
(1,2573)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	14	0.66
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	14	0.66
(1,2573)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	14	0.66
(1,2548)	1:49:A:GLU:H	1:51:A:THR:HA	9	0.66
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG21	7	0.66
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG22	7	0.66
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG23	7	0.66
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG21	7	0.66
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG22	7	0.66
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG23	7	0.66
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD21	14	0.66
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD22	14	0.66
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD23	14	0.66
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD11	14	0.66
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD12	14	0.66
(1,2481)	1:72:A:THR:HB	1:78:A:LEU:HD13	14	0.66
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD11	3	0.66
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD12	3	0.66
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD13	3	0.66
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD21	3	0.66
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD22	3	0.66
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD23	3	0.66
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD11	9	0.66
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD12	9	0.66
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD13	9	0.66
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD21	9	0.66
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD22	9	0.66
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD23	9	0.66
(1,2459)	1:58:A:GLU:H	1:56:A:LEU:HA	7	0.66
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	14	0.66
(1,2449)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	14	0.66
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	14	0.66
(1,2449)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	14	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	14	0.66
(1,2449)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	14	0.66
(1,2424)	1:49:A:GLU:H	1:51:A:THR:HA	9	0.66
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG21	7	0.66
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG22	7	0.66
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG23	7	0.66
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG21	7	0.66
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG22	7	0.66
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG23	7	0.66
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD21	14	0.66
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD22	14	0.66
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD23	14	0.66
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD11	14	0.66
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD12	14	0.66
(1,2357)	1:72:A:THR:HB	1:78:A:LEU:HD13	14	0.66
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD11	3	0.66
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD12	3	0.66
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD13	3	0.66
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD21	3	0.66
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD22	3	0.66
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD23	3	0.66
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD11	9	0.66
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD12	9	0.66
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD13	9	0.66
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD21	9	0.66
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD22	9	0.66
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD23	9	0.66
(1,2335)	1:58:A:GLU:H	1:56:A:LEU:HA	7	0.66
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG2	14	0.66
(1,2325)	1:56:A:LEU:HD11	1:52:A:GLN:HG3	14	0.66
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG2	14	0.66
(1,2325)	1:56:A:LEU:HD12	1:52:A:GLN:HG3	14	0.66
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG2	14	0.66
(1,2325)	1:56:A:LEU:HD13	1:52:A:GLN:HG3	14	0.66
(1,2300)	1:49:A:GLU:H	1:51:A:THR:HA	9	0.66
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG21	7	0.66
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG22	7	0.66
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG23	7	0.66
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG21	7	0.66
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG22	7	0.66
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG23	7	0.66
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD21	14	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD22	14	0.66
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD23	14	0.66
(1,2234)	1:101:A:PRO:HD2	1:103:A:GLU:H	5	0.66
(1,2234)	1:101:A:PRO:HD3	1:103:A:GLU:H	5	0.66
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB1	11	0.66
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB2	11	0.66
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB3	11	0.66
(1,2173)	1:94:A:ARG:HG2	1:95:A:SER:H	5	0.66
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG21	6	0.66
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG22	6	0.66
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG23	6	0.66
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE1	12	0.66
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE2	12	0.66
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE3	12	0.66
(1,2114)	1:86:A:ARG:HB2	1:83:A:ASP:HA	5	0.66
(1,2106)	1:84:A:GLU:HA	1:87:A:GLN:HE21	10	0.66
(1,2097)	1:84:A:GLU:HA	1:83:A:ASP:HB3	8	0.66
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD11	3	0.66
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD12	3	0.66
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD13	3	0.66
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD21	3	0.66
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD22	3	0.66
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD23	3	0.66
(1,2069)	1:82:A:MET:HG3	1:83:A:ASP:H	11	0.66
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD11	6	0.66
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD12	6	0.66
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD13	6	0.66
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG2	8	0.66
(1,2052)	1:80:A:ALA:H	1:79:A:LYS:HG3	8	0.66
(1,2048)	1:79:A:LYS:HB2	1:80:A:ALA:H	4	0.66
(1,2048)	1:79:A:LYS:HB3	1:80:A:ALA:H	4	0.66
(1,2048)	1:79:A:LYS:HB2	1:80:A:ALA:H	9	0.66
(1,2048)	1:79:A:LYS:HB3	1:80:A:ALA:H	9	0.66
(1,2048)	1:79:A:LYS:HB2	1:80:A:ALA:H	11	0.66
(1,2048)	1:79:A:LYS:HB3	1:80:A:ALA:H	11	0.66
(1,2048)	1:79:A:LYS:HB2	1:80:A:ALA:H	13	0.66
(1,2048)	1:79:A:LYS:HB3	1:80:A:ALA:H	13	0.66
(1,2036)	1:78:A:LEU:H	1:77:A:GLU:HB3	4	0.66
(1,2023)	1:77:A:GLU:H	1:75:A:THR:HA	14	0.66
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD21	4	0.66
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD22	4	0.66
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD23	4	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD21	14	0.66
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD22	14	0.66
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD23	14	0.66
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD11	6	0.66
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD12	6	0.66
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD13	6	0.66
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD21	6	0.66
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD22	6	0.66
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD23	6	0.66
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD11	6	0.66
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD12	6	0.66
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD13	6	0.66
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD21	6	0.66
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD22	6	0.66
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD23	6	0.66
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG21	4	0.66
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG22	4	0.66
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG23	4	0.66
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG21	4	0.66
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG22	4	0.66
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG23	4	0.66
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG21	14	0.66
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG22	14	0.66
(1,1989)	1:73:A:ASN:HB2	1:72:A:THR:HG23	14	0.66
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG21	14	0.66
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG22	14	0.66
(1,1989)	1:73:A:ASN:HB3	1:72:A:THR:HG23	14	0.66
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB2	7	0.66
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB3	7	0.66
(1,1957)	1:68:A:LYS:HA	1:71:A:LEU:H	11	0.66
(1,1930)	1:65:A:LYS:H	1:67:A:GLU:H	2	0.66
(1,1930)	1:65:A:LYS:H	1:67:A:GLU:H	10	0.66
(1,1930)	1:65:A:LYS:H	1:67:A:GLU:H	12	0.66
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG21	4	0.66
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG22	4	0.66
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG23	4	0.66
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG11	4	0.66
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG12	4	0.66
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG13	4	0.66
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD11	1	0.66
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD12	1	0.66
(1,1878)	1:60:A:GLN:HE21	1:63:A:LEU:HD13	1	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD11	1	0.66
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD12	1	0.66
(1,1878)	1:60:A:GLN:HE22	1:63:A:LEU:HD13	1	0.66
(1,1818)	1:46:A:VAL:HA	1:45:A:THR:HB	3	0.66
(1,1818)	1:46:A:VAL:HA	1:45:A:THR:HB	8	0.66
(1,1818)	1:46:A:VAL:HA	1:45:A:THR:HB	9	0.66
(1,1818)	1:46:A:VAL:HA	1:45:A:THR:HB	14	0.66
(1,1782)	1:40:A:ARG:HG3	1:44:A:THR:HB	11	0.66
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG11	5	0.66
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG12	5	0.66
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG13	5	0.66
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG11	14	0.66
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG12	14	0.66
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG13	14	0.66
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB1	3	0.66
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB2	3	0.66
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB3	3	0.66
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB1	6	0.66
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB2	6	0.66
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB3	6	0.66
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB1	9	0.66
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB2	9	0.66
(1,1741)	1:31:A:THR:HB	1:28:A:ALA:HB3	9	0.66
(1,1736)	1:29:A:VAL:HA	1:32:A:VAL:HB	4	0.66
(1,1736)	1:29:A:VAL:HA	1:32:A:VAL:HB	5	0.66
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG11	2	0.66
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG12	2	0.66
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG13	2	0.66
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG11	8	0.66
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG12	8	0.66
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG13	8	0.66
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG21	8	0.66
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG22	8	0.66
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG23	8	0.66
(1,1704)	1:22:A:PRO:HG2	1:23:A:GLN:H	1	0.66
(1,1704)	1:22:A:PRO:HG3	1:23:A:GLN:H	1	0.66
(1,1704)	1:22:A:PRO:HG2	1:23:A:GLN:H	3	0.66
(1,1704)	1:22:A:PRO:HG3	1:23:A:GLN:H	3	0.66
(1,1704)	1:22:A:PRO:HG2	1:23:A:GLN:H	6	0.66
(1,1704)	1:22:A:PRO:HG3	1:23:A:GLN:H	6	0.66
(1,1704)	1:22:A:PRO:HG2	1:23:A:GLN:H	7	0.66
(1,1704)	1:22:A:PRO:HG3	1:23:A:GLN:H	7	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1704)	1:22:A:PRO:HG2	1:23:A:GLN:H	8	0.66
(1,1704)	1:22:A:PRO:HG3	1:23:A:GLN:H	8	0.66
(1,1704)	1:22:A:PRO:HG2	1:23:A:GLN:H	11	0.66
(1,1704)	1:22:A:PRO:HG3	1:23:A:GLN:H	11	0.66
(1,1704)	1:22:A:PRO:HG2	1:23:A:GLN:H	13	0.66
(1,1704)	1:22:A:PRO:HG3	1:23:A:GLN:H	13	0.66
(1,1704)	1:22:A:PRO:HG2	1:23:A:GLN:H	14	0.66
(1,1704)	1:22:A:PRO:HG3	1:23:A:GLN:H	14	0.66
(1,1704)	1:22:A:PRO:HG2	1:23:A:GLN:H	15	0.66
(1,1704)	1:22:A:PRO:HG3	1:23:A:GLN:H	15	0.66
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB2	13	0.66
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB3	13	0.66
(1,1679)	1:17:A:LEU:H	1:16:A:GLY:H	5	0.66
(1,1679)	1:17:A:LEU:H	1:16:A:GLY:H	6	0.66
(1,1679)	1:17:A:LEU:H	1:16:A:GLY:H	11	0.66
(1,1679)	1:17:A:LEU:H	1:16:A:GLY:H	12	0.66
(1,1672)	1:16:A:GLY:H	1:12:A:VAL:HA	4	0.66
(1,1672)	1:16:A:GLY:H	1:12:A:VAL:HA	10	0.66
(1,1672)	1:16:A:GLY:H	1:12:A:VAL:HA	14	0.66
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG21	15	0.66
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG22	15	0.66
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG23	15	0.66
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD11	1	0.66
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD12	1	0.66
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD13	1	0.66
(1,1643)	1:13:A:PHE:HB2	1:14:A:ILE:HB	4	0.66
(1,1643)	1:13:A:PHE:HB3	1:14:A:ILE:HB	4	0.66
(1,1592)	1:6:A:PHE:H	1:5:A:GLY:H	1	0.66
(1,1542)	1:1:A:MET:HE1	1:2:A:PHE:H	10	0.66
(1,1542)	1:1:A:MET:HE2	1:2:A:PHE:H	10	0.66
(1,1542)	1:1:A:MET:HE3	1:2:A:PHE:H	10	0.66
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG11	4	0.66
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG12	4	0.66
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG13	4	0.66
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG21	12	0.66
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG22	12	0.66
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG23	12	0.66
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG21	12	0.66
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG22	12	0.66
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG23	12	0.66
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG21	2	0.66
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG22	2	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG23	2	0.66
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB1	14	0.66
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB2	14	0.66
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB3	14	0.66
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB1	14	0.66
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB2	14	0.66
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB3	14	0.66
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG21	13	0.65
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG22	13	0.65
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG23	13	0.65
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	14	0.65
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	14	0.65
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	14	0.65
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	14	0.65
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	14	0.65
(1,2829)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	14	0.65
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD21	9	0.65
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD22	9	0.65
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD23	9	0.65
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG21	13	0.65
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG22	13	0.65
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG23	13	0.65
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	14	0.65
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	14	0.65
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	14	0.65
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	14	0.65
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	14	0.65
(1,2705)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	14	0.65
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD21	9	0.65
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD22	9	0.65
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD23	9	0.65
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG21	13	0.65
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG22	13	0.65
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG23	13	0.65
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	14	0.65
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	14	0.65
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	14	0.65
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	14	0.65
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	14	0.65
(1,2581)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	14	0.65
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD21	9	0.65
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD22	9	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD23	9	0.65
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG21	13	0.65
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG22	13	0.65
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG23	13	0.65
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	14	0.65
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	14	0.65
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	14	0.65
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	14	0.65
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	14	0.65
(1,2457)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	14	0.65
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD21	9	0.65
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD22	9	0.65
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD23	9	0.65
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG21	13	0.65
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG22	13	0.65
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG23	13	0.65
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	14	0.65
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	14	0.65
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	14	0.65
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	14	0.65
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	14	0.65
(1,2333)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	14	0.65
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD21	9	0.65
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD22	9	0.65
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD23	9	0.65
(1,2235)	1:102:A:LEU:H	1:100:A:ASP:HA	3	0.65
(1,2226)	1:101:A:PRO:HD2	1:99:A:ASN:HB3	1	0.65
(1,2226)	1:101:A:PRO:HD3	1:99:A:ASN:HB3	1	0.65
(1,2226)	1:101:A:PRO:HD2	1:99:A:ASN:HB2	1	0.65
(1,2226)	1:101:A:PRO:HD3	1:99:A:ASN:HB2	1	0.65
(1,2226)	1:101:A:PRO:HD2	1:99:A:ASN:HB3	13	0.65
(1,2226)	1:101:A:PRO:HD3	1:99:A:ASN:HB3	13	0.65
(1,2226)	1:101:A:PRO:HD2	1:99:A:ASN:HB2	13	0.65
(1,2226)	1:101:A:PRO:HD3	1:99:A:ASN:HB2	13	0.65
(1,2226)	1:101:A:PRO:HD2	1:99:A:ASN:HB3	15	0.65
(1,2226)	1:101:A:PRO:HD3	1:99:A:ASN:HB3	15	0.65
(1,2226)	1:101:A:PRO:HD2	1:99:A:ASN:HB2	15	0.65
(1,2226)	1:101:A:PRO:HD3	1:99:A:ASN:HB2	15	0.65
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB1	7	0.65
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB2	7	0.65
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB3	7	0.65
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB1	7	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB2	7	0.65
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB3	7	0.65
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB1	14	0.65
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB2	14	0.65
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB3	14	0.65
(1,2196)	1:96:A:TYR:HA	1:99:A:ASN:HB2	10	0.65
(1,2196)	1:96:A:TYR:HA	1:99:A:ASN:HB3	10	0.65
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE1	13	0.65
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE2	13	0.65
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE3	13	0.65
(1,2114)	1:86:A:ARG:HB2	1:83:A:ASP:HA	10	0.65
(1,2097)	1:84:A:GLU:HA	1:83:A:ASP:HB3	6	0.65
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD11	11	0.65
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD12	11	0.65
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD13	11	0.65
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD21	11	0.65
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD22	11	0.65
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD23	11	0.65
(1,2069)	1:82:A:MET:HG3	1:83:A:ASP:H	1	0.65
(1,2069)	1:82:A:MET:HG3	1:83:A:ASP:H	6	0.65
(1,2069)	1:82:A:MET:HG3	1:83:A:ASP:H	12	0.65
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD11	13	0.65
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD12	13	0.65
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD13	13	0.65
(1,2048)	1:79:A:LYS:HB2	1:80:A:ALA:H	14	0.65
(1,2048)	1:79:A:LYS:HB3	1:80:A:ALA:H	14	0.65
(1,2036)	1:78:A:LEU:H	1:77:A:GLU:HB3	14	0.65
(1,2023)	1:77:A:GLU:H	1:75:A:THR:HA	13	0.65
(1,2017)	1:76:A:PRO:HB2	1:77:A:GLU:H	14	0.65
(1,2017)	1:76:A:PRO:HB3	1:77:A:GLU:H	14	0.65
(1,2017)	1:76:A:PRO:HB2	1:77:A:GLU:H	15	0.65
(1,2017)	1:76:A:PRO:HB3	1:77:A:GLU:H	15	0.65
(1,1987)	1:73:A:ASN:HD21	1:72:A:THR:HB	8	0.65
(1,1987)	1:73:A:ASN:HD22	1:72:A:THR:HB	8	0.65
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD11	14	0.65
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD12	14	0.65
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD13	14	0.65
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD21	14	0.65
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD22	14	0.65
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD23	14	0.65
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD21	14	0.65
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD22	14	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD23	14	0.65
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD21	10	0.65
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD22	10	0.65
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD23	10	0.65
(1,1930)	1:65:A:LYS:H	1:67:A:GLU:H	1	0.65
(1,1930)	1:65:A:LYS:H	1:67:A:GLU:H	4	0.65
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG21	14	0.65
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG22	14	0.65
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG23	14	0.65
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG11	14	0.65
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG12	14	0.65
(1,1929)	1:65:A:LYS:H	1:66:A:VAL:HG13	14	0.65
(1,1897)	1:63:A:LEU:HG	1:60:A:GLN:HA	14	0.65
(1,1882)	1:61:A:ASP:H	1:60:A:GLN:HB2	3	0.65
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG21	9	0.65
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG22	9	0.65
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG23	9	0.65
(1,1818)	1:46:A:VAL:HA	1:45:A:THR:HB	1	0.65
(1,1818)	1:46:A:VAL:HA	1:45:A:THR:HB	4	0.65
(1,1818)	1:46:A:VAL:HA	1:45:A:THR:HB	5	0.65
(1,1818)	1:46:A:VAL:HA	1:45:A:THR:HB	13	0.65
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG11	6	0.65
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG12	6	0.65
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG13	6	0.65
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG11	8	0.65
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG12	8	0.65
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG13	8	0.65
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG11	15	0.65
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG12	15	0.65
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG13	15	0.65
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG11	14	0.65
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG12	14	0.65
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG13	14	0.65
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG21	14	0.65
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG22	14	0.65
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG23	14	0.65
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD11	15	0.65
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD12	15	0.65
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD13	15	0.65
(1,1643)	1:13:A:PHE:HB2	1:14:A:ILE:HB	2	0.65
(1,1643)	1:13:A:PHE:HB3	1:14:A:ILE:HB	2	0.65
(1,1612)	1:8:A:GLU:H	1:7:A:SER:H	1	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1612)	1:8:A:GLU:H	1:7:A:SER:H	2	0.65
(1,1612)	1:8:A:GLU:H	1:7:A:SER:H	10	0.65
(1,1603)	1:6:A:PHE:HA	1:10:A:LEU:H	12	0.65
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD11	2	0.65
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD12	2	0.65
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD13	2	0.65
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD21	2	0.65
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD22	2	0.65
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD23	2	0.65
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG11	10	0.65
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG12	10	0.65
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG13	10	0.65
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD11	10	0.65
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD12	10	0.65
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD13	10	0.65
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD11	14	0.65
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD12	14	0.65
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD13	14	0.65
(2,241)	1:74:A:LEU:H	1:70:A:SER:HB3	3	0.64
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	7	0.64
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	7	0.64
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	7	0.64
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	7	0.64
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	7	0.64
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	7	0.64
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	7	0.64
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	7	0.64
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	7	0.64
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	7	0.64
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	7	0.64
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	7	0.64
(1,2796)	1:49:A:GLU:H	1:51:A:THR:HA	7	0.64
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD21	8	0.64
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD22	8	0.64
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD23	8	0.64
(1,2755)	1:20:A:LEU:HD11	1:28:A:ALA:HB1	2	0.64
(1,2755)	1:20:A:LEU:HD11	1:28:A:ALA:HB2	2	0.64
(1,2755)	1:20:A:LEU:HD11	1:28:A:ALA:HB3	2	0.64
(1,2755)	1:20:A:LEU:HD12	1:28:A:ALA:HB1	2	0.64
(1,2755)	1:20:A:LEU:HD12	1:28:A:ALA:HB2	2	0.64
(1,2755)	1:20:A:LEU:HD12	1:28:A:ALA:HB3	2	0.64
(1,2755)	1:20:A:LEU:HD13	1:28:A:ALA:HB1	2	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2755)	1:20:A:LEU:HD13	1:28:A:ALA:HB2	2	0.64
(1,2755)	1:20:A:LEU:HD13	1:28:A:ALA:HB3	2	0.64
(1,2755)	1:20:A:LEU:HD21	1:28:A:ALA:HB1	2	0.64
(1,2755)	1:20:A:LEU:HD21	1:28:A:ALA:HB2	2	0.64
(1,2755)	1:20:A:LEU:HD21	1:28:A:ALA:HB3	2	0.64
(1,2755)	1:20:A:LEU:HD22	1:28:A:ALA:HB1	2	0.64
(1,2755)	1:20:A:LEU:HD22	1:28:A:ALA:HB2	2	0.64
(1,2755)	1:20:A:LEU:HD22	1:28:A:ALA:HB3	2	0.64
(1,2755)	1:20:A:LEU:HD23	1:28:A:ALA:HB1	2	0.64
(1,2755)	1:20:A:LEU:HD23	1:28:A:ALA:HB2	2	0.64
(1,2755)	1:20:A:LEU:HD23	1:28:A:ALA:HB3	2	0.64
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	7	0.64
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	7	0.64
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	7	0.64
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	7	0.64
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	7	0.64
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	7	0.64
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	7	0.64
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	7	0.64
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	7	0.64
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	7	0.64
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	7	0.64
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	7	0.64
(1,2672)	1:49:A:GLU:H	1:51:A:THR:HA	7	0.64
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD21	8	0.64
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD22	8	0.64
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD23	8	0.64
(1,2631)	1:20:A:LEU:HD11	1:28:A:ALA:HB1	2	0.64
(1,2631)	1:20:A:LEU:HD11	1:28:A:ALA:HB2	2	0.64
(1,2631)	1:20:A:LEU:HD11	1:28:A:ALA:HB3	2	0.64
(1,2631)	1:20:A:LEU:HD12	1:28:A:ALA:HB1	2	0.64
(1,2631)	1:20:A:LEU:HD12	1:28:A:ALA:HB2	2	0.64
(1,2631)	1:20:A:LEU:HD12	1:28:A:ALA:HB3	2	0.64
(1,2631)	1:20:A:LEU:HD13	1:28:A:ALA:HB1	2	0.64
(1,2631)	1:20:A:LEU:HD13	1:28:A:ALA:HB2	2	0.64
(1,2631)	1:20:A:LEU:HD13	1:28:A:ALA:HB3	2	0.64
(1,2631)	1:20:A:LEU:HD21	1:28:A:ALA:HB1	2	0.64
(1,2631)	1:20:A:LEU:HD21	1:28:A:ALA:HB2	2	0.64
(1,2631)	1:20:A:LEU:HD21	1:28:A:ALA:HB3	2	0.64
(1,2631)	1:20:A:LEU:HD22	1:28:A:ALA:HB1	2	0.64
(1,2631)	1:20:A:LEU:HD22	1:28:A:ALA:HB2	2	0.64
(1,2631)	1:20:A:LEU:HD22	1:28:A:ALA:HB3	2	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2631)	1:20:A:LEU:HD23	1:28:A:ALA:HB1	2	0.64
(1,2631)	1:20:A:LEU:HD23	1:28:A:ALA:HB2	2	0.64
(1,2631)	1:20:A:LEU:HD23	1:28:A:ALA:HB3	2	0.64
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	7	0.64
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	7	0.64
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	7	0.64
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	7	0.64
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	7	0.64
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	7	0.64
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	7	0.64
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	7	0.64
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	7	0.64
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	7	0.64
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	7	0.64
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	7	0.64
(1,2548)	1:49:A:GLU:H	1:51:A:THR:HA	7	0.64
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD21	8	0.64
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD22	8	0.64
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD23	8	0.64
(1,2507)	1:20:A:LEU:HD11	1:28:A:ALA:HB1	2	0.64
(1,2507)	1:20:A:LEU:HD11	1:28:A:ALA:HB2	2	0.64
(1,2507)	1:20:A:LEU:HD11	1:28:A:ALA:HB3	2	0.64
(1,2507)	1:20:A:LEU:HD12	1:28:A:ALA:HB1	2	0.64
(1,2507)	1:20:A:LEU:HD12	1:28:A:ALA:HB2	2	0.64
(1,2507)	1:20:A:LEU:HD12	1:28:A:ALA:HB3	2	0.64
(1,2507)	1:20:A:LEU:HD13	1:28:A:ALA:HB1	2	0.64
(1,2507)	1:20:A:LEU:HD13	1:28:A:ALA:HB2	2	0.64
(1,2507)	1:20:A:LEU:HD13	1:28:A:ALA:HB3	2	0.64
(1,2507)	1:20:A:LEU:HD21	1:28:A:ALA:HB1	2	0.64
(1,2507)	1:20:A:LEU:HD21	1:28:A:ALA:HB2	2	0.64
(1,2507)	1:20:A:LEU:HD21	1:28:A:ALA:HB3	2	0.64
(1,2507)	1:20:A:LEU:HD22	1:28:A:ALA:HB1	2	0.64
(1,2507)	1:20:A:LEU:HD22	1:28:A:ALA:HB2	2	0.64
(1,2507)	1:20:A:LEU:HD22	1:28:A:ALA:HB3	2	0.64
(1,2507)	1:20:A:LEU:HD23	1:28:A:ALA:HB1	2	0.64
(1,2507)	1:20:A:LEU:HD23	1:28:A:ALA:HB2	2	0.64
(1,2507)	1:20:A:LEU:HD23	1:28:A:ALA:HB3	2	0.64
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	7	0.64
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	7	0.64
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	7	0.64
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	7	0.64
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	7	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	7	0.64
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	7	0.64
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	7	0.64
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	7	0.64
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	7	0.64
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	7	0.64
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	7	0.64
(1,2424)	1:49:A:GLU:H	1:51:A:THR:HA	7	0.64
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD21	8	0.64
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD22	8	0.64
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD23	8	0.64
(1,2383)	1:20:A:LEU:HD11	1:28:A:ALA:HB1	2	0.64
(1,2383)	1:20:A:LEU:HD11	1:28:A:ALA:HB2	2	0.64
(1,2383)	1:20:A:LEU:HD11	1:28:A:ALA:HB3	2	0.64
(1,2383)	1:20:A:LEU:HD12	1:28:A:ALA:HB1	2	0.64
(1,2383)	1:20:A:LEU:HD12	1:28:A:ALA:HB2	2	0.64
(1,2383)	1:20:A:LEU:HD12	1:28:A:ALA:HB3	2	0.64
(1,2383)	1:20:A:LEU:HD13	1:28:A:ALA:HB1	2	0.64
(1,2383)	1:20:A:LEU:HD13	1:28:A:ALA:HB2	2	0.64
(1,2383)	1:20:A:LEU:HD13	1:28:A:ALA:HB3	2	0.64
(1,2383)	1:20:A:LEU:HD21	1:28:A:ALA:HB1	2	0.64
(1,2383)	1:20:A:LEU:HD21	1:28:A:ALA:HB2	2	0.64
(1,2383)	1:20:A:LEU:HD21	1:28:A:ALA:HB3	2	0.64
(1,2383)	1:20:A:LEU:HD22	1:28:A:ALA:HB1	2	0.64
(1,2383)	1:20:A:LEU:HD22	1:28:A:ALA:HB2	2	0.64
(1,2383)	1:20:A:LEU:HD22	1:28:A:ALA:HB3	2	0.64
(1,2383)	1:20:A:LEU:HD23	1:28:A:ALA:HB1	2	0.64
(1,2383)	1:20:A:LEU:HD23	1:28:A:ALA:HB2	2	0.64
(1,2383)	1:20:A:LEU:HD23	1:28:A:ALA:HB3	2	0.64
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	7	0.64
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	7	0.64
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	7	0.64
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	7	0.64
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	7	0.64
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	7	0.64
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	7	0.64
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	7	0.64
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	7	0.64
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	7	0.64
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	7	0.64
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	7	0.64
(1,2300)	1:49:A:GLU:H	1:51:A:THR:HA	7	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD21	8	0.64
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD22	8	0.64
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD23	8	0.64
(1,2259)	1:20:A:LEU:HD11	1:28:A:ALA:HB1	2	0.64
(1,2259)	1:20:A:LEU:HD11	1:28:A:ALA:HB2	2	0.64
(1,2259)	1:20:A:LEU:HD11	1:28:A:ALA:HB3	2	0.64
(1,2259)	1:20:A:LEU:HD12	1:28:A:ALA:HB1	2	0.64
(1,2259)	1:20:A:LEU:HD12	1:28:A:ALA:HB2	2	0.64
(1,2259)	1:20:A:LEU:HD12	1:28:A:ALA:HB3	2	0.64
(1,2259)	1:20:A:LEU:HD13	1:28:A:ALA:HB1	2	0.64
(1,2259)	1:20:A:LEU:HD13	1:28:A:ALA:HB2	2	0.64
(1,2259)	1:20:A:LEU:HD13	1:28:A:ALA:HB3	2	0.64
(1,2259)	1:20:A:LEU:HD21	1:28:A:ALA:HB1	2	0.64
(1,2259)	1:20:A:LEU:HD21	1:28:A:ALA:HB2	2	0.64
(1,2259)	1:20:A:LEU:HD21	1:28:A:ALA:HB3	2	0.64
(1,2259)	1:20:A:LEU:HD22	1:28:A:ALA:HB1	2	0.64
(1,2259)	1:20:A:LEU:HD22	1:28:A:ALA:HB2	2	0.64
(1,2259)	1:20:A:LEU:HD22	1:28:A:ALA:HB3	2	0.64
(1,2259)	1:20:A:LEU:HD23	1:28:A:ALA:HB1	2	0.64
(1,2259)	1:20:A:LEU:HD23	1:28:A:ALA:HB2	2	0.64
(1,2259)	1:20:A:LEU:HD23	1:28:A:ALA:HB3	2	0.64
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE1	12	0.64
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE2	12	0.64
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB1	5	0.64
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB2	5	0.64
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB3	5	0.64
(1,2173)	1:94:A:ARG:HG2	1:95:A:SER:H	4	0.64
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB2	3	0.64
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB3	3	0.64
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB2	3	0.64
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB3	3	0.64
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG21	3	0.64
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG22	3	0.64
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG23	3	0.64
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE1	15	0.64
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE2	15	0.64
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE3	15	0.64
(1,2097)	1:84:A:GLU:HA	1:83:A:ASP:HB3	5	0.64
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD11	5	0.64
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD12	5	0.64
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD13	5	0.64
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD21	5	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD22	5	0.64
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD23	5	0.64
(1,2069)	1:82:A:MET:HG3	1:83:A:ASP:H	5	0.64
(1,2069)	1:82:A:MET:HG3	1:83:A:ASP:H	10	0.64
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD11	8	0.64
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD12	8	0.64
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD13	8	0.64
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD11	9	0.64
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD12	9	0.64
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD13	9	0.64
(1,2017)	1:76:A:PRO:HB2	1:77:A:GLU:H	4	0.64
(1,2017)	1:76:A:PRO:HB3	1:77:A:GLU:H	4	0.64
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG21	7	0.64
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG22	7	0.64
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG23	7	0.64
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB2	5	0.64
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB3	5	0.64
(1,1953)	1:68:A:LYS:HG3	1:67:A:GLU:HB2	11	0.64
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG21	6	0.64
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG22	6	0.64
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG23	6	0.64
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG21	6	0.64
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG22	6	0.64
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG23	6	0.64
(1,1907)	1:64:A:LYS:H	1:60:A:GLN:HA	12	0.64
(1,1868)	1:57:A:GLN:H	1:56:A:LEU:HG	2	0.64
(1,1860)	1:54:A:LEU:HG	1:55:A:LYS:H	15	0.64
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG11	14	0.64
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG12	14	0.64
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG13	14	0.64
(1,1817)	1:46:A:VAL:H	1:43:A:ALA:HA	8	0.64
(1,1817)	1:46:A:VAL:H	1:43:A:ALA:HA	9	0.64
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG11	3	0.64
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG12	3	0.64
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG13	3	0.64
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG11	4	0.64
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG12	4	0.64
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG13	4	0.64
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG11	9	0.64
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG12	9	0.64
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG13	9	0.64
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG11	10	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG12	10	0.64
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG13	10	0.64
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG11	12	0.64
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG12	12	0.64
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG13	12	0.64
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG11	15	0.64
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG12	15	0.64
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG13	15	0.64
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB2	2	0.64
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB3	2	0.64
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG11	11	0.64
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG12	11	0.64
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG13	11	0.64
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG21	2	0.64
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG22	2	0.64
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG23	2	0.64
(1,1679)	1:17:A:LEU:H	1:16:A:GLY:H	9	0.64
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG21	3	0.64
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG22	3	0.64
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG23	3	0.64
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG21	7	0.64
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG22	7	0.64
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG23	7	0.64
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD11	3	0.64
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD12	3	0.64
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD13	3	0.64
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD11	7	0.64
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD12	7	0.64
(1,1650)	1:13:A:PHE:HZ	1:17:A:LEU:HD13	7	0.64
(1,1643)	1:13:A:PHE:HB2	1:14:A:ILE:HB	10	0.64
(1,1643)	1:13:A:PHE:HB3	1:14:A:ILE:HB	10	0.64
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG21	11	0.64
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG22	11	0.64
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG23	11	0.64
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG21	11	0.64
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG22	11	0.64
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG23	11	0.64
(1,1612)	1:8:A:GLU:H	1:7:A:SER:H	4	0.64
(1,1612)	1:8:A:GLU:H	1:7:A:SER:H	9	0.64
(1,1612)	1:8:A:GLU:H	1:7:A:SER:H	14	0.64
(1,1600)	1:6:A:PHE:HA	1:9:A:LEU:H	8	0.64
(1,1549)	1:2:A:PHE:HB2	1:2:A:PHE:H	13	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD11	14	0.64
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD12	14	0.64
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD13	14	0.64
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD21	14	0.64
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD22	14	0.64
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD23	14	0.64
(1,1450)	1:66:A:VAL:HA	1:70:A:SER:H	5	0.64
(1,1431)	1:56:A:LEU:H	1:54:A:LEU:H	14	0.64
(1,1424)	1:48:A:ASN:H	1:49:A:GLU:HB2	6	0.64
(1,1386)	1:42:A:LEU:HD11	1:39:A:LEU:H	5	0.64
(1,1386)	1:42:A:LEU:HD12	1:39:A:LEU:H	5	0.64
(1,1386)	1:42:A:LEU:HD13	1:39:A:LEU:H	5	0.64
(1,1386)	1:42:A:LEU:HD21	1:39:A:LEU:H	5	0.64
(1,1386)	1:42:A:LEU:HD22	1:39:A:LEU:H	5	0.64
(1,1386)	1:42:A:LEU:HD23	1:39:A:LEU:H	5	0.64
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD11	12	0.64
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD12	12	0.64
(1,1302)	1:18:A:VAL:H	1:17:A:LEU:HD13	12	0.64
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD11	4	0.64
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD12	4	0.64
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD13	4	0.64
(1,1290)	1:17:A:LEU:HD21	1:13:A:PHE:HE1	3	0.64
(1,1290)	1:17:A:LEU:HD21	1:13:A:PHE:HE2	3	0.64
(1,1290)	1:17:A:LEU:HD22	1:13:A:PHE:HE1	3	0.64
(1,1290)	1:17:A:LEU:HD22	1:13:A:PHE:HE2	3	0.64
(1,1290)	1:17:A:LEU:HD23	1:13:A:PHE:HE1	3	0.64
(1,1290)	1:17:A:LEU:HD23	1:13:A:PHE:HE2	3	0.64
(1,1290)	1:17:A:LEU:HD11	1:13:A:PHE:HE1	3	0.64
(1,1290)	1:17:A:LEU:HD11	1:13:A:PHE:HE2	3	0.64
(1,1290)	1:17:A:LEU:HD12	1:13:A:PHE:HE1	3	0.64
(1,1290)	1:17:A:LEU:HD12	1:13:A:PHE:HE2	3	0.64
(1,1290)	1:17:A:LEU:HD13	1:13:A:PHE:HE1	3	0.64
(1,1290)	1:17:A:LEU:HD13	1:13:A:PHE:HE2	3	0.64
(1,1290)	1:17:A:LEU:HD21	1:13:A:PHE:HE1	7	0.64
(1,1290)	1:17:A:LEU:HD21	1:13:A:PHE:HE2	7	0.64
(1,1290)	1:17:A:LEU:HD22	1:13:A:PHE:HE1	7	0.64
(1,1290)	1:17:A:LEU:HD22	1:13:A:PHE:HE2	7	0.64
(1,1290)	1:17:A:LEU:HD23	1:13:A:PHE:HE1	7	0.64
(1,1290)	1:17:A:LEU:HD23	1:13:A:PHE:HE2	7	0.64
(1,1290)	1:17:A:LEU:HD11	1:13:A:PHE:HE1	7	0.64
(1,1290)	1:17:A:LEU:HD11	1:13:A:PHE:HE2	7	0.64
(1,1290)	1:17:A:LEU:HD12	1:13:A:PHE:HE1	7	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1290)	1:17:A:LEU:HD12	1:13:A:PHE:HE2	7	0.64
(1,1290)	1:17:A:LEU:HD13	1:13:A:PHE:HE1	7	0.64
(1,1290)	1:17:A:LEU:HD13	1:13:A:PHE:HE2	7	0.64
(1,1290)	1:17:A:LEU:HD21	1:13:A:PHE:HE1	8	0.64
(1,1290)	1:17:A:LEU:HD21	1:13:A:PHE:HE2	8	0.64
(1,1290)	1:17:A:LEU:HD22	1:13:A:PHE:HE1	8	0.64
(1,1290)	1:17:A:LEU:HD22	1:13:A:PHE:HE2	8	0.64
(1,1290)	1:17:A:LEU:HD23	1:13:A:PHE:HE1	8	0.64
(1,1290)	1:17:A:LEU:HD23	1:13:A:PHE:HE2	8	0.64
(1,1290)	1:17:A:LEU:HD11	1:13:A:PHE:HE1	8	0.64
(1,1290)	1:17:A:LEU:HD11	1:13:A:PHE:HE2	8	0.64
(1,1290)	1:17:A:LEU:HD12	1:13:A:PHE:HE1	8	0.64
(1,1290)	1:17:A:LEU:HD12	1:13:A:PHE:HE2	8	0.64
(1,1290)	1:17:A:LEU:HD13	1:13:A:PHE:HE1	8	0.64
(1,1290)	1:17:A:LEU:HD13	1:13:A:PHE:HE2	8	0.64
(1,906)	1:71:A:LEU:HG	1:72:A:THR:H	4	0.64
(1,906)	1:71:A:LEU:HG	1:72:A:THR:H	14	0.64
(2,67)	1:57:A:GLN:HA	1:59:A:PHE:HD1	10	0.63
(2,67)	1:57:A:GLN:HA	1:59:A:PHE:HD2	10	0.63
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG21	3	0.63
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG22	3	0.63
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG23	3	0.63
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG21	9	0.63
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG22	9	0.63
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG23	9	0.63
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD11	4	0.63
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD12	4	0.63
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD13	4	0.63
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD21	4	0.63
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD22	4	0.63
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD23	4	0.63
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD11	14	0.63
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD12	14	0.63
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD13	14	0.63
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD21	14	0.63
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD22	14	0.63
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD23	14	0.63
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD11	15	0.63
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD12	15	0.63
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD13	15	0.63
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG2	8	0.63
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG3	8	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	8	0.63
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	8	0.63
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	8	0.63
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	8	0.63
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	8	0.63
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	8	0.63
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	8	0.63
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	8	0.63
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	8	0.63
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	8	0.63
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	8	0.63
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	8	0.63
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD21	4	0.63
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD22	4	0.63
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD23	4	0.63
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD21	6	0.63
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD22	6	0.63
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD23	6	0.63
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	13	0.63
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	13	0.63
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	13	0.63
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	13	0.63
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	13	0.63
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	13	0.63
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB2	11	0.63
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB3	11	0.63
(1,2796)	1:49:A:GLU:H	1:51:A:THR:HA	5	0.63
(1,2796)	1:49:A:GLU:H	1:51:A:THR:HA	8	0.63
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG21	3	0.63
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG22	3	0.63
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG23	3	0.63
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD21	6	0.63
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD22	6	0.63
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD23	6	0.63
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG21	3	0.63
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG22	3	0.63
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG23	3	0.63
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG21	9	0.63
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG22	9	0.63
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG23	9	0.63
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD11	4	0.63
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD12	4	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD13	4	0.63
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD21	4	0.63
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD22	4	0.63
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD23	4	0.63
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD11	14	0.63
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD12	14	0.63
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD13	14	0.63
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD21	14	0.63
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD22	14	0.63
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD23	14	0.63
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD11	15	0.63
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD12	15	0.63
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD13	15	0.63
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG2	8	0.63
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG3	8	0.63
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	8	0.63
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	8	0.63
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	8	0.63
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	8	0.63
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	8	0.63
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	8	0.63
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	8	0.63
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	8	0.63
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	8	0.63
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	8	0.63
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	8	0.63
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	8	0.63
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD21	4	0.63
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD22	4	0.63
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD23	4	0.63
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD21	6	0.63
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD22	6	0.63
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD23	6	0.63
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	13	0.63
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	13	0.63
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	13	0.63
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	13	0.63
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	13	0.63
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	13	0.63
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB2	11	0.63
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB3	11	0.63
(1,2672)	1:49:A:GLU:H	1:51:A:THR:HA	5	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2672)	1:49:A:GLU:H	1:51:A:THR:HA	8	0.63
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG21	3	0.63
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG22	3	0.63
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG23	3	0.63
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD21	6	0.63
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD22	6	0.63
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD23	6	0.63
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG21	3	0.63
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG22	3	0.63
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG23	3	0.63
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG21	9	0.63
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG22	9	0.63
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG23	9	0.63
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD11	4	0.63
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD12	4	0.63
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD13	4	0.63
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD21	4	0.63
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD22	4	0.63
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD23	4	0.63
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD11	14	0.63
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD12	14	0.63
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD13	14	0.63
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD21	14	0.63
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD22	14	0.63
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD23	14	0.63
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD11	15	0.63
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD12	15	0.63
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD13	15	0.63
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG2	8	0.63
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG3	8	0.63
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	8	0.63
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	8	0.63
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	8	0.63
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	8	0.63
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	8	0.63
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	8	0.63
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	8	0.63
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	8	0.63
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	8	0.63
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	8	0.63
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	8	0.63
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	8	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD21	4	0.63
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD22	4	0.63
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD23	4	0.63
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD21	6	0.63
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD22	6	0.63
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD23	6	0.63
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	13	0.63
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	13	0.63
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	13	0.63
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	13	0.63
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	13	0.63
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	13	0.63
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB2	11	0.63
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB3	11	0.63
(1,2548)	1:49:A:GLU:H	1:51:A:THR:HA	5	0.63
(1,2548)	1:49:A:GLU:H	1:51:A:THR:HA	8	0.63
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG21	3	0.63
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG22	3	0.63
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG23	3	0.63
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD21	6	0.63
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD22	6	0.63
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD23	6	0.63
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG21	3	0.63
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG22	3	0.63
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG23	3	0.63
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG21	9	0.63
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG22	9	0.63
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG23	9	0.63
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD11	4	0.63
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD12	4	0.63
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD13	4	0.63
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD21	4	0.63
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD22	4	0.63
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD23	4	0.63
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD11	14	0.63
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD12	14	0.63
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD13	14	0.63
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD21	14	0.63
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD22	14	0.63
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD23	14	0.63
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD11	15	0.63
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD12	15	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD13	15	0.63
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG2	8	0.63
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG3	8	0.63
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	8	0.63
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	8	0.63
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	8	0.63
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	8	0.63
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	8	0.63
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	8	0.63
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	8	0.63
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	8	0.63
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	8	0.63
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	8	0.63
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	8	0.63
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	8	0.63
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD21	4	0.63
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD22	4	0.63
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD23	4	0.63
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD21	6	0.63
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD22	6	0.63
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD23	6	0.63
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	13	0.63
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	13	0.63
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	13	0.63
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	13	0.63
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	13	0.63
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	13	0.63
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB2	11	0.63
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB3	11	0.63
(1,2424)	1:49:A:GLU:H	1:51:A:THR:HA	5	0.63
(1,2424)	1:49:A:GLU:H	1:51:A:THR:HA	8	0.63
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG21	3	0.63
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG22	3	0.63
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG23	3	0.63
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD21	6	0.63
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD22	6	0.63
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD23	6	0.63
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG21	3	0.63
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG22	3	0.63
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG23	3	0.63
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG21	9	0.63
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG22	9	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG23	9	0.63
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD11	4	0.63
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD12	4	0.63
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD13	4	0.63
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD21	4	0.63
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD22	4	0.63
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD23	4	0.63
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD11	14	0.63
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD12	14	0.63
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD13	14	0.63
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD21	14	0.63
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD22	14	0.63
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD23	14	0.63
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD11	15	0.63
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD12	15	0.63
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD13	15	0.63
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG2	8	0.63
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG3	8	0.63
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	8	0.63
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	8	0.63
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	8	0.63
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	8	0.63
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	8	0.63
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	8	0.63
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	8	0.63
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	8	0.63
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	8	0.63
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	8	0.63
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	8	0.63
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	8	0.63
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD21	4	0.63
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD22	4	0.63
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD23	4	0.63
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD21	6	0.63
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD22	6	0.63
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD23	6	0.63
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	13	0.63
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	13	0.63
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	13	0.63
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	13	0.63
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	13	0.63
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	13	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB2	11	0.63
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB3	11	0.63
(1,2300)	1:49:A:GLU:H	1:51:A:THR:HA	5	0.63
(1,2300)	1:49:A:GLU:H	1:51:A:THR:HA	8	0.63
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG21	3	0.63
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG22	3	0.63
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG23	3	0.63
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD21	6	0.63
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD22	6	0.63
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD23	6	0.63
(1,2235)	1:102:A:LEU:H	1:100:A:ASP:HA	2	0.63
(1,2211)	1:97:A:VAL:H	1:100:A:ASP:H	9	0.63
(1,2198)	1:96:A:TYR:H	1:100:A:ASP:H	2	0.63
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE1	11	0.63
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE2	11	0.63
(1,2159)	1:93:A:LYS:H	1:92:A:MET:HE3	11	0.63
(1,2151)	1:91:A:SER:HB2	1:92:A:MET:HG3	1	0.63
(1,2151)	1:91:A:SER:HB3	1:92:A:MET:HG3	1	0.63
(1,2106)	1:84:A:GLU:HA	1:87:A:GLN:HE21	2	0.63
(1,2097)	1:84:A:GLU:HA	1:83:A:ASP:HB3	1	0.63
(1,2097)	1:84:A:GLU:HA	1:83:A:ASP:HB3	9	0.63
(1,2097)	1:84:A:GLU:HA	1:83:A:ASP:HB3	13	0.63
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD11	9	0.63
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD12	9	0.63
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD13	9	0.63
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD21	9	0.63
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD22	9	0.63
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD23	9	0.63
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD11	13	0.63
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD12	13	0.63
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD13	13	0.63
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD21	13	0.63
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD22	13	0.63
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD23	13	0.63
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD11	14	0.63
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD12	14	0.63
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD13	14	0.63
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD21	14	0.63
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD22	14	0.63
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD23	14	0.63
(1,2069)	1:82:A:MET:HG3	1:83:A:ASP:H	4	0.63
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD11	3	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD12	3	0.63
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD13	3	0.63
(1,2048)	1:79:A:LYS:HB2	1:80:A:ALA:H	6	0.63
(1,2048)	1:79:A:LYS:HB3	1:80:A:ALA:H	6	0.63
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG21	5	0.63
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG22	5	0.63
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG23	5	0.63
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB3	5	0.63
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB2	5	0.63
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB3	7	0.63
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB2	7	0.63
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD11	4	0.63
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD12	4	0.63
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD13	4	0.63
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD21	4	0.63
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD22	4	0.63
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD23	4	0.63
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD21	4	0.63
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD22	4	0.63
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD23	4	0.63
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD21	1	0.63
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD22	1	0.63
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD23	1	0.63
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD21	12	0.63
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD22	12	0.63
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD23	12	0.63
(1,1930)	1:65:A:LYS:H	1:67:A:GLU:H	8	0.63
(1,1879)	1:61:A:ASP:HB2	1:58:A:GLU:HA	7	0.63
(1,1879)	1:61:A:ASP:HB3	1:58:A:GLU:HA	7	0.63
(1,1879)	1:61:A:ASP:HB2	1:58:A:GLU:HA	15	0.63
(1,1879)	1:61:A:ASP:HB3	1:58:A:GLU:HA	15	0.63
(1,1860)	1:54:A:LEU:HG	1:55:A:LYS:H	7	0.63
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG21	1	0.63
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG22	1	0.63
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG23	1	0.63
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG21	8	0.63
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG22	8	0.63
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG23	8	0.63
(1,1818)	1:46:A:VAL:HA	1:45:A:THR:HB	6	0.63
(1,1817)	1:46:A:VAL:H	1:43:A:ALA:HA	4	0.63
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG11	7	0.63
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG12	7	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG13	7	0.63
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG11	8	0.63
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG12	8	0.63
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG13	8	0.63
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG11	10	0.63
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG12	10	0.63
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG13	10	0.63
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG11	14	0.63
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG12	14	0.63
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG13	14	0.63
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG11	4	0.63
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG12	4	0.63
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG13	4	0.63
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG21	4	0.63
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG22	4	0.63
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG23	4	0.63
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG11	9	0.63
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG12	9	0.63
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG13	9	0.63
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG21	9	0.63
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG22	9	0.63
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG23	9	0.63
(1,1703)	1:22:A:PRO:HD3	1:23:A:GLN:H	2	0.63
(1,1675)	1:16:A:GLY:H	1:18:A:VAL:H	4	0.63
(1,1675)	1:16:A:GLY:H	1:18:A:VAL:H	7	0.63
(1,1675)	1:16:A:GLY:H	1:18:A:VAL:H	8	0.63
(1,1675)	1:16:A:GLY:H	1:18:A:VAL:H	10	0.63
(1,1675)	1:16:A:GLY:H	1:18:A:VAL:H	14	0.63
(1,1672)	1:16:A:GLY:H	1:12:A:VAL:HA	5	0.63
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG21	8	0.63
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG22	8	0.63
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG23	8	0.63
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD21	8	0.63
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD22	8	0.63
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD23	8	0.63
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD21	8	0.63
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD22	8	0.63
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD23	8	0.63
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG21	7	0.63
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG22	7	0.63
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG23	7	0.63
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG21	7	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG22	7	0.63
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG23	7	0.63
(1,1600)	1:6:A:PHE:HA	1:9:A:LEU:H	3	0.63
(1,1597)	1:6:A:PHE:HA	1:9:A:LEU:HB2	11	0.63
(1,1592)	1:6:A:PHE:H	1:5:A:GLY:H	3	0.63
(1,1592)	1:6:A:PHE:H	1:5:A:GLY:H	8	0.63
(1,1427)	1:51:A:THR:H	1:49:A:GLU:HB2	15	0.63
(1,1427)	1:51:A:THR:H	1:49:A:GLU:HB3	15	0.63
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB1	4	0.63
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB2	4	0.63
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB3	4	0.63
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB1	4	0.63
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB2	4	0.63
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB3	4	0.63
(1,1323)	1:26:A:PRO:HB2	1:30:A:LYS:HG2	11	0.63
(1,1323)	1:26:A:PRO:HB3	1:30:A:LYS:HG2	11	0.63
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD11	1	0.63
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD12	1	0.63
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD13	1	0.63
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG12	12	0.63
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG13	12	0.63
(1,1290)	1:17:A:LEU:HD21	1:13:A:PHE:HE1	1	0.63
(1,1290)	1:17:A:LEU:HD21	1:13:A:PHE:HE2	1	0.63
(1,1290)	1:17:A:LEU:HD22	1:13:A:PHE:HE1	1	0.63
(1,1290)	1:17:A:LEU:HD22	1:13:A:PHE:HE2	1	0.63
(1,1290)	1:17:A:LEU:HD23	1:13:A:PHE:HE1	1	0.63
(1,1290)	1:17:A:LEU:HD23	1:13:A:PHE:HE2	1	0.63
(1,1290)	1:17:A:LEU:HD11	1:13:A:PHE:HE1	1	0.63
(1,1290)	1:17:A:LEU:HD11	1:13:A:PHE:HE2	1	0.63
(1,1290)	1:17:A:LEU:HD12	1:13:A:PHE:HE1	1	0.63
(1,1290)	1:17:A:LEU:HD12	1:13:A:PHE:HE2	1	0.63
(1,1290)	1:17:A:LEU:HD13	1:13:A:PHE:HE1	1	0.63
(1,1290)	1:17:A:LEU:HD13	1:13:A:PHE:HE2	1	0.63
(1,1290)	1:17:A:LEU:HD21	1:13:A:PHE:HE1	15	0.63
(1,1290)	1:17:A:LEU:HD21	1:13:A:PHE:HE2	15	0.63
(1,1290)	1:17:A:LEU:HD22	1:13:A:PHE:HE1	15	0.63
(1,1290)	1:17:A:LEU:HD22	1:13:A:PHE:HE2	15	0.63
(1,1290)	1:17:A:LEU:HD23	1:13:A:PHE:HE1	15	0.63
(1,1290)	1:17:A:LEU:HD23	1:13:A:PHE:HE2	15	0.63
(1,1290)	1:17:A:LEU:HD11	1:13:A:PHE:HE1	15	0.63
(1,1290)	1:17:A:LEU:HD11	1:13:A:PHE:HE2	15	0.63
(1,1290)	1:17:A:LEU:HD12	1:13:A:PHE:HE1	15	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1290)	1:17:A:LEU:HD12	1:13:A:PHE:HE2	15	0.63
(1,1290)	1:17:A:LEU:HD13	1:13:A:PHE:HE1	15	0.63
(1,1290)	1:17:A:LEU:HD13	1:13:A:PHE:HE2	15	0.63
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD11	9	0.63
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD12	9	0.63
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD13	9	0.63
(1,120)	1:48:A:ASN:H	1:44:A:THR:HB	5	0.63
(2,241)	1:74:A:LEU:H	1:70:A:SER:HB3	9	0.62
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD11	10	0.62
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD12	10	0.62
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD13	10	0.62
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD21	10	0.62
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD22	10	0.62
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD23	10	0.62
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	15	0.62
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	15	0.62
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	15	0.62
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	15	0.62
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	15	0.62
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	15	0.62
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	5	0.62
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	5	0.62
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	5	0.62
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	5	0.62
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	5	0.62
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	5	0.62
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	5	0.62
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	5	0.62
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	5	0.62
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	5	0.62
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	5	0.62
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	5	0.62
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG2	5	0.62
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG3	5	0.62
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	8	0.62
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	8	0.62
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	8	0.62
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	8	0.62
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	8	0.62
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	8	0.62
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	8	0.62
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	8	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	8	0.62
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	8	0.62
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	8	0.62
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	8	0.62
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	4	0.62
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	4	0.62
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	4	0.62
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	4	0.62
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	4	0.62
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	4	0.62
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	4	0.62
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	4	0.62
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	4	0.62
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	4	0.62
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	4	0.62
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	4	0.62
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD21	3	0.62
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD22	3	0.62
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD23	3	0.62
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD21	7	0.62
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD22	7	0.62
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD23	7	0.62
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD11	12	0.62
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD12	12	0.62
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD13	12	0.62
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD21	12	0.62
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD22	12	0.62
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD23	12	0.62
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB2	1	0.62
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB3	1	0.62
(1,2802)	1:50:A:LEU:H	1:53:A:GLU:H	2	0.62
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD11	10	0.62
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD12	10	0.62
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD13	10	0.62
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD21	10	0.62
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD22	10	0.62
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD23	10	0.62
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	15	0.62
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	15	0.62
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	15	0.62
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	15	0.62
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	15	0.62
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	5	0.62
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	5	0.62
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	5	0.62
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	5	0.62
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	5	0.62
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	5	0.62
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	5	0.62
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	5	0.62
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	5	0.62
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	5	0.62
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	5	0.62
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	5	0.62
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG2	5	0.62
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG3	5	0.62
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	8	0.62
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	8	0.62
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	8	0.62
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	8	0.62
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	8	0.62
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	8	0.62
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	8	0.62
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	8	0.62
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	8	0.62
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	8	0.62
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	8	0.62
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	8	0.62
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	4	0.62
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	4	0.62
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	4	0.62
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	4	0.62
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	4	0.62
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	4	0.62
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	4	0.62
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	4	0.62
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	4	0.62
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	4	0.62
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	4	0.62
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	4	0.62
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD21	3	0.62
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD22	3	0.62
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD23	3	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD21	7	0.62
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD22	7	0.62
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD23	7	0.62
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD11	12	0.62
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD12	12	0.62
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD13	12	0.62
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD21	12	0.62
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD22	12	0.62
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD23	12	0.62
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB2	1	0.62
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB3	1	0.62
(1,2678)	1:50:A:LEU:H	1:53:A:GLU:H	2	0.62
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD11	10	0.62
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD12	10	0.62
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD13	10	0.62
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD21	10	0.62
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD22	10	0.62
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD23	10	0.62
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	15	0.62
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	15	0.62
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	15	0.62
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	15	0.62
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	15	0.62
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	15	0.62
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	5	0.62
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	5	0.62
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	5	0.62
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	5	0.62
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	5	0.62
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	5	0.62
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	5	0.62
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	5	0.62
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	5	0.62
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	5	0.62
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	5	0.62
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	5	0.62
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG2	5	0.62
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG3	5	0.62
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	8	0.62
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	8	0.62
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	8	0.62
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	8	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	8	0.62
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	8	0.62
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	8	0.62
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	8	0.62
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	8	0.62
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	8	0.62
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	8	0.62
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	8	0.62
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	4	0.62
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	4	0.62
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	4	0.62
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	4	0.62
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	4	0.62
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	4	0.62
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	4	0.62
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	4	0.62
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	4	0.62
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	4	0.62
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	4	0.62
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	4	0.62
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD21	3	0.62
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD22	3	0.62
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD23	3	0.62
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD21	7	0.62
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD22	7	0.62
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD23	7	0.62
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD11	12	0.62
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD12	12	0.62
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD13	12	0.62
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD21	12	0.62
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD22	12	0.62
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD23	12	0.62
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB2	1	0.62
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB3	1	0.62
(1,2554)	1:50:A:LEU:H	1:53:A:GLU:H	2	0.62
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD11	10	0.62
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD12	10	0.62
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD13	10	0.62
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD21	10	0.62
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD22	10	0.62
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD23	10	0.62
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	15	0.62
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	15	0.62
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	15	0.62
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	15	0.62
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	15	0.62
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	5	0.62
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	5	0.62
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	5	0.62
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	5	0.62
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	5	0.62
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	5	0.62
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	5	0.62
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	5	0.62
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	5	0.62
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	5	0.62
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	5	0.62
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	5	0.62
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG2	5	0.62
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG3	5	0.62
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	8	0.62
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	8	0.62
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	8	0.62
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	8	0.62
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	8	0.62
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	8	0.62
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	8	0.62
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	8	0.62
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	8	0.62
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	8	0.62
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	8	0.62
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	8	0.62
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	4	0.62
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	4	0.62
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	4	0.62
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	4	0.62
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	4	0.62
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	4	0.62
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	4	0.62
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	4	0.62
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	4	0.62
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	4	0.62
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	4	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	4	0.62
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD21	3	0.62
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD22	3	0.62
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD23	3	0.62
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD21	7	0.62
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD22	7	0.62
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD23	7	0.62
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD11	12	0.62
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD12	12	0.62
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD13	12	0.62
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD21	12	0.62
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD22	12	0.62
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD23	12	0.62
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB2	1	0.62
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB3	1	0.62
(1,2430)	1:50:A:LEU:H	1:53:A:GLU:H	2	0.62
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD11	10	0.62
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD12	10	0.62
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD13	10	0.62
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD21	10	0.62
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD22	10	0.62
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD23	10	0.62
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	15	0.62
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	15	0.62
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	15	0.62
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	15	0.62
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	15	0.62
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	15	0.62
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	5	0.62
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	5	0.62
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	5	0.62
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	5	0.62
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	5	0.62
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	5	0.62
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	5	0.62
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	5	0.62
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	5	0.62
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	5	0.62
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	5	0.62
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	5	0.62
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG2	5	0.62
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG3	5	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	8	0.62
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	8	0.62
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	8	0.62
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	8	0.62
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	8	0.62
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	8	0.62
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	8	0.62
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	8	0.62
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	8	0.62
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	8	0.62
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	8	0.62
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	8	0.62
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	4	0.62
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	4	0.62
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	4	0.62
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	4	0.62
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	4	0.62
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	4	0.62
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	4	0.62
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	4	0.62
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	4	0.62
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	4	0.62
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	4	0.62
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	4	0.62
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD21	3	0.62
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD22	3	0.62
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD23	3	0.62
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD21	7	0.62
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD22	7	0.62
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD23	7	0.62
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD11	12	0.62
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD12	12	0.62
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD13	12	0.62
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD21	12	0.62
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD22	12	0.62
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD23	12	0.62
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB2	1	0.62
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB3	1	0.62
(1,2306)	1:50:A:LEU:H	1:53:A:GLU:H	2	0.62
(1,2235)	1:102:A:LEU:H	1:100:A:ASP:HA	6	0.62
(1,2215)	1:98:A:ALA:H	1:99:A:ASN:HA	2	0.62
(1,2215)	1:98:A:ALA:H	1:99:A:ASN:HA	5	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB2	8	0.62
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB3	8	0.62
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB2	8	0.62
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB3	8	0.62
(1,2119)	1:86:A:ARG:HG3	1:87:A:GLN:H	7	0.62
(1,2119)	1:86:A:ARG:HG2	1:87:A:GLN:H	7	0.62
(1,2097)	1:84:A:GLU:HA	1:83:A:ASP:HB3	3	0.62
(1,2097)	1:84:A:GLU:HA	1:83:A:ASP:HB3	15	0.62
(1,2076)	1:83:A:ASP:H	1:79:A:LYS:HA	7	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD11	4	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD12	4	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD13	4	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD21	4	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD22	4	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD23	4	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD11	6	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD12	6	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD13	6	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD21	6	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD22	6	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD23	6	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD11	10	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD12	10	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD13	10	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD21	10	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD22	10	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD23	10	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD11	15	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD12	15	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD13	15	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD21	15	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD22	15	0.62
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD23	15	0.62
(1,2048)	1:79:A:LYS:HB2	1:80:A:ALA:H	2	0.62
(1,2048)	1:79:A:LYS:HB3	1:80:A:ALA:H	2	0.62
(1,2038)	1:78:A:LEU:HA	1:81:A:SER:HB3	14	0.62
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG2	8	0.62
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG3	8	0.62
(1,1978)	1:71:A:LEU:HD21	1:72:A:THR:H	1	0.62
(1,1978)	1:71:A:LEU:HD22	1:72:A:THR:H	1	0.62
(1,1978)	1:71:A:LEU:HD23	1:72:A:THR:H	1	0.62
(1,1978)	1:71:A:LEU:HD21	1:72:A:THR:H	2	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1978)	1:71:A:LEU:HD22	1:72:A:THR:H	2	0.62
(1,1978)	1:71:A:LEU:HD23	1:72:A:THR:H	2	0.62
(1,1978)	1:71:A:LEU:HD21	1:72:A:THR:H	5	0.62
(1,1978)	1:71:A:LEU:HD22	1:72:A:THR:H	5	0.62
(1,1978)	1:71:A:LEU:HD23	1:72:A:THR:H	5	0.62
(1,1978)	1:71:A:LEU:HD21	1:72:A:THR:H	7	0.62
(1,1978)	1:71:A:LEU:HD22	1:72:A:THR:H	7	0.62
(1,1978)	1:71:A:LEU:HD23	1:72:A:THR:H	7	0.62
(1,1978)	1:71:A:LEU:HD21	1:72:A:THR:H	12	0.62
(1,1978)	1:71:A:LEU:HD22	1:72:A:THR:H	12	0.62
(1,1978)	1:71:A:LEU:HD23	1:72:A:THR:H	12	0.62
(1,1970)	1:70:A:SER:HA	1:74:A:LEU:HG	15	0.62
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD21	2	0.62
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD22	2	0.62
(1,1949)	1:67:A:GLU:HA	1:71:A:LEU:HD23	2	0.62
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG21	4	0.62
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG22	4	0.62
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG23	4	0.62
(1,1837)	1:49:A:GLU:H	1:48:A:ASN:HA	1	0.62
(1,1837)	1:49:A:GLU:H	1:48:A:ASN:HA	12	0.62
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG11	4	0.62
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG12	4	0.62
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG13	4	0.62
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG11	5	0.62
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG12	5	0.62
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG13	5	0.62
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG11	7	0.62
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG12	7	0.62
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG13	7	0.62
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG11	11	0.62
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG12	11	0.62
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG13	11	0.62
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG21	11	0.62
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG22	11	0.62
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG23	11	0.62
(1,1675)	1:16:A:GLY:H	1:18:A:VAL:H	3	0.62
(1,1672)	1:16:A:GLY:H	1:12:A:VAL:HA	6	0.62
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG11	2	0.62
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG12	2	0.62
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG13	2	0.62
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG11	10	0.62
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG12	10	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG13	10	0.62
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG21	4	0.62
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG22	4	0.62
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG23	4	0.62
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG21	10	0.62
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG22	10	0.62
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG23	10	0.62
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG21	14	0.62
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG22	14	0.62
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG23	14	0.62
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD21	10	0.62
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD22	10	0.62
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD23	10	0.62
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD21	10	0.62
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD22	10	0.62
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD23	10	0.62
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG21	12	0.62
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG22	12	0.62
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG23	12	0.62
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG21	12	0.62
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG22	12	0.62
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG23	12	0.62
(1,1633)	1:13:A:PHE:H	1:11:A:LEU:H	12	0.62
(1,1630)	1:12:A:VAL:HB	1:9:A:LEU:HA	14	0.62
(1,1597)	1:6:A:PHE:HA	1:9:A:LEU:HB2	12	0.62
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG21	15	0.62
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG22	15	0.62
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG23	15	0.62
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG21	15	0.62
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG22	15	0.62
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG23	15	0.62
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG11	7	0.62
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG12	7	0.62
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG13	7	0.62
(1,1432)	1:56:A:LEU:HB2	1:60:A:GLN:HB2	7	0.62
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG2	12	0.62
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG3	12	0.62
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB1	11	0.62
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB2	11	0.62
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB3	11	0.62
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB1	11	0.62
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB2	11	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB3	11	0.62
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG11	2	0.62
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG12	2	0.62
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG13	2	0.62
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG11	11	0.62
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG12	11	0.62
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG13	11	0.62
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB1	1	0.62
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB2	1	0.62
(1,1326)	1:27:A:VAL:H	1:28:A:ALA:HB3	1	0.62
(1,1243)	1:2:A:PHE:HB3	1:3:A:ASP:H	2	0.62
(1,1243)	1:2:A:PHE:HB2	1:3:A:ASP:H	2	0.62
(1,1243)	1:2:A:PHE:HB3	1:3:A:ASP:H	10	0.62
(1,1243)	1:2:A:PHE:HB2	1:3:A:ASP:H	10	0.62
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD21	12	0.62
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD22	12	0.62
(1,938)	1:24:A:ARG:H	1:20:A:LEU:HD23	12	0.62
(1,906)	1:71:A:LEU:HG	1:72:A:THR:H	6	0.62
(1,906)	1:71:A:LEU:HG	1:72:A:THR:H	8	0.62
(2,241)	1:74:A:LEU:H	1:70:A:SER:HB3	1	0.61
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE1	7	0.61
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE2	7	0.61
(1,2855)	1:72:A:THR:HG21	1:82:A:MET:HE3	7	0.61
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE1	7	0.61
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE2	7	0.61
(1,2855)	1:72:A:THR:HG22	1:82:A:MET:HE3	7	0.61
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE1	7	0.61
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE2	7	0.61
(1,2855)	1:72:A:THR:HG23	1:82:A:MET:HE3	7	0.61
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD11	11	0.61
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD12	11	0.61
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD13	11	0.61
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD21	11	0.61
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD22	11	0.61
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD23	11	0.61
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD11	1	0.61
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD12	1	0.61
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD13	1	0.61
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD11	13	0.61
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD12	13	0.61
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD13	13	0.61
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	9	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	9	0.61
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	9	0.61
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	9	0.61
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	9	0.61
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	9	0.61
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	13	0.61
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	13	0.61
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	13	0.61
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	13	0.61
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	13	0.61
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	13	0.61
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	9	0.61
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	9	0.61
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	9	0.61
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	9	0.61
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	9	0.61
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	9	0.61
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB2	9	0.61
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB3	9	0.61
(1,2796)	1:49:A:GLU:H	1:51:A:THR:HA	6	0.61
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	8	0.61
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	8	0.61
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	8	0.61
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	8	0.61
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	9	0.61
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	9	0.61
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	9	0.61
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	9	0.61
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD21	3	0.61
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD22	3	0.61
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD23	3	0.61
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	9	0.61
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	9	0.61
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	9	0.61
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	9	0.61
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	9	0.61
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	9	0.61
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE1	7	0.61
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE2	7	0.61
(1,2731)	1:72:A:THR:HG21	1:82:A:MET:HE3	7	0.61
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE1	7	0.61
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE2	7	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2731)	1:72:A:THR:HG22	1:82:A:MET:HE3	7	0.61
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE1	7	0.61
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE2	7	0.61
(1,2731)	1:72:A:THR:HG23	1:82:A:MET:HE3	7	0.61
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD11	11	0.61
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD12	11	0.61
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD13	11	0.61
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD21	11	0.61
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD22	11	0.61
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD23	11	0.61
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD11	1	0.61
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD12	1	0.61
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD13	1	0.61
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD11	13	0.61
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD12	13	0.61
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD13	13	0.61
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	9	0.61
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	9	0.61
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	9	0.61
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	9	0.61
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	9	0.61
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	9	0.61
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	13	0.61
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	13	0.61
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	13	0.61
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	13	0.61
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	13	0.61
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	13	0.61
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	9	0.61
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	9	0.61
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	9	0.61
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	9	0.61
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	9	0.61
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	9	0.61
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB2	9	0.61
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB3	9	0.61
(1,2672)	1:49:A:GLU:H	1:51:A:THR:HA	6	0.61
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	8	0.61
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	8	0.61
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	8	0.61
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	8	0.61
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	9	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	9	0.61
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	9	0.61
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	9	0.61
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD21	3	0.61
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD22	3	0.61
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD23	3	0.61
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	9	0.61
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	9	0.61
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	9	0.61
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	9	0.61
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	9	0.61
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	9	0.61
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE1	7	0.61
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE2	7	0.61
(1,2607)	1:72:A:THR:HG21	1:82:A:MET:HE3	7	0.61
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE1	7	0.61
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE2	7	0.61
(1,2607)	1:72:A:THR:HG22	1:82:A:MET:HE3	7	0.61
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE1	7	0.61
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE2	7	0.61
(1,2607)	1:72:A:THR:HG23	1:82:A:MET:HE3	7	0.61
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD11	11	0.61
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD12	11	0.61
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD13	11	0.61
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD21	11	0.61
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD22	11	0.61
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD23	11	0.61
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD11	1	0.61
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD12	1	0.61
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD13	1	0.61
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD11	13	0.61
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD12	13	0.61
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD13	13	0.61
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	9	0.61
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	9	0.61
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	9	0.61
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	9	0.61
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	9	0.61
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	9	0.61
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	13	0.61
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	13	0.61
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	13	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	13	0.61
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	13	0.61
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	13	0.61
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	9	0.61
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	9	0.61
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	9	0.61
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	9	0.61
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	9	0.61
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	9	0.61
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB2	9	0.61
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB3	9	0.61
(1,2548)	1:49:A:GLU:H	1:51:A:THR:HA	6	0.61
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	8	0.61
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	8	0.61
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	8	0.61
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	8	0.61
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	9	0.61
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	9	0.61
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	9	0.61
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	9	0.61
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD21	3	0.61
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD22	3	0.61
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD23	3	0.61
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	9	0.61
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	9	0.61
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	9	0.61
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	9	0.61
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	9	0.61
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	9	0.61
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE1	7	0.61
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE2	7	0.61
(1,2483)	1:72:A:THR:HG21	1:82:A:MET:HE3	7	0.61
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE1	7	0.61
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE2	7	0.61
(1,2483)	1:72:A:THR:HG22	1:82:A:MET:HE3	7	0.61
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE1	7	0.61
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE2	7	0.61
(1,2483)	1:72:A:THR:HG23	1:82:A:MET:HE3	7	0.61
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD11	11	0.61
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD12	11	0.61
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD13	11	0.61
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD21	11	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD22	11	0.61
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD23	11	0.61
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD11	1	0.61
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD12	1	0.61
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD13	1	0.61
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD11	13	0.61
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD12	13	0.61
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD13	13	0.61
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	9	0.61
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	9	0.61
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	9	0.61
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	9	0.61
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	9	0.61
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	9	0.61
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	13	0.61
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	13	0.61
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	13	0.61
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	13	0.61
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	13	0.61
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	13	0.61
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	9	0.61
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	9	0.61
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	9	0.61
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	9	0.61
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	9	0.61
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	9	0.61
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB2	9	0.61
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB3	9	0.61
(1,2424)	1:49:A:GLU:H	1:51:A:THR:HA	6	0.61
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	8	0.61
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	8	0.61
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	8	0.61
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	8	0.61
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	9	0.61
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	9	0.61
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	9	0.61
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	9	0.61
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD21	3	0.61
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD22	3	0.61
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD23	3	0.61
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	9	0.61
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	9	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	9	0.61
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	9	0.61
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	9	0.61
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	9	0.61
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE1	7	0.61
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE2	7	0.61
(1,2359)	1:72:A:THR:HG21	1:82:A:MET:HE3	7	0.61
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE1	7	0.61
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE2	7	0.61
(1,2359)	1:72:A:THR:HG22	1:82:A:MET:HE3	7	0.61
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE1	7	0.61
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE2	7	0.61
(1,2359)	1:72:A:THR:HG23	1:82:A:MET:HE3	7	0.61
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD11	11	0.61
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD12	11	0.61
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD13	11	0.61
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD21	11	0.61
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD22	11	0.61
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD23	11	0.61
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD11	1	0.61
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD12	1	0.61
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD13	1	0.61
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD11	13	0.61
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD12	13	0.61
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD13	13	0.61
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	9	0.61
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	9	0.61
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	9	0.61
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	9	0.61
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	9	0.61
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	9	0.61
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	13	0.61
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	13	0.61
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	13	0.61
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	13	0.61
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	13	0.61
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	13	0.61
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	9	0.61
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	9	0.61
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	9	0.61
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	9	0.61
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	9	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	9	0.61
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB2	9	0.61
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB3	9	0.61
(1,2300)	1:49:A:GLU:H	1:51:A:THR:HA	6	0.61
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	8	0.61
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	8	0.61
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	8	0.61
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	8	0.61
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	9	0.61
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	9	0.61
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	9	0.61
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	9	0.61
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD21	3	0.61
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD22	3	0.61
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD23	3	0.61
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	9	0.61
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	9	0.61
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	9	0.61
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	9	0.61
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	9	0.61
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	9	0.61
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB1	2	0.61
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB2	2	0.61
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB3	2	0.61
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB1	3	0.61
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB2	3	0.61
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB3	3	0.61
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB2	2	0.61
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB3	2	0.61
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB1	5	0.61
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB2	5	0.61
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB3	5	0.61
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB1	5	0.61
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB2	5	0.61
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB3	5	0.61
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB2	7	0.61
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB3	7	0.61
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB2	7	0.61
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB3	7	0.61
(1,2169)	1:94:A:ARG:H	1:93:A:LYS:HG2	14	0.61
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG21	7	0.61
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG22	7	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG23	7	0.61
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD11	8	0.61
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD12	8	0.61
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD13	8	0.61
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD21	8	0.61
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD22	8	0.61
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD23	8	0.61
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD11	4	0.61
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD12	4	0.61
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD13	4	0.61
(1,2048)	1:79:A:LYS:HB2	1:80:A:ALA:H	8	0.61
(1,2048)	1:79:A:LYS:HB3	1:80:A:ALA:H	8	0.61
(1,2038)	1:78:A:LEU:HA	1:81:A:SER:HB3	11	0.61
(1,2017)	1:76:A:PRO:HB2	1:77:A:GLU:H	6	0.61
(1,2017)	1:76:A:PRO:HB3	1:77:A:GLU:H	6	0.61
(1,1978)	1:71:A:LEU:HD21	1:72:A:THR:H	10	0.61
(1,1978)	1:71:A:LEU:HD22	1:72:A:THR:H	10	0.61
(1,1978)	1:71:A:LEU:HD23	1:72:A:THR:H	10	0.61
(1,1978)	1:71:A:LEU:HD21	1:72:A:THR:H	11	0.61
(1,1978)	1:71:A:LEU:HD22	1:72:A:THR:H	11	0.61
(1,1978)	1:71:A:LEU:HD23	1:72:A:THR:H	11	0.61
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE2	5	0.61
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE3	5	0.61
(1,1930)	1:65:A:LYS:H	1:67:A:GLU:H	14	0.61
(1,1873)	1:60:A:GLN:HG2	1:61:A:ASP:H	2	0.61
(1,1873)	1:60:A:GLN:HG3	1:61:A:ASP:H	2	0.61
(1,1860)	1:54:A:LEU:HG	1:55:A:LYS:H	1	0.61
(1,1860)	1:54:A:LEU:HG	1:55:A:LYS:H	8	0.61
(1,1837)	1:49:A:GLU:H	1:48:A:ASN:HA	13	0.61
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG21	12	0.61
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG22	12	0.61
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG23	12	0.61
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG21	1	0.61
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG22	1	0.61
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG23	1	0.61
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG11	9	0.61
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG12	9	0.61
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG13	9	0.61
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG21	6	0.61
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG22	6	0.61
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG23	6	0.61
(1,1675)	1:16:A:GLY:H	1:18:A:VAL:H	15	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1672)	1:16:A:GLY:H	1:12:A:VAL:HA	2	0.61
(1,1671)	1:15:A:ILE:HA	1:19:A:VAL:H	13	0.61
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG11	4	0.61
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG12	4	0.61
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG13	4	0.61
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG11	5	0.61
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG12	5	0.61
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG13	5	0.61
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG11	14	0.61
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG12	14	0.61
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG13	14	0.61
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD21	2	0.61
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD22	2	0.61
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD23	2	0.61
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD21	2	0.61
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD22	2	0.61
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD23	2	0.61
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD21	4	0.61
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD22	4	0.61
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD23	4	0.61
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD21	4	0.61
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD22	4	0.61
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD23	4	0.61
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD21	9	0.61
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD22	9	0.61
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD23	9	0.61
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD21	9	0.61
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD22	9	0.61
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD23	9	0.61
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD21	14	0.61
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD22	14	0.61
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD23	14	0.61
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD21	14	0.61
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD22	14	0.61
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD23	14	0.61
(1,1630)	1:12:A:VAL:HB	1:9:A:LEU:HA	4	0.61
(1,1592)	1:6:A:PHE:H	1:5:A:GLY:H	7	0.61
(1,1478)	1:75:A:THR:H	1:74:A:LEU:H	15	0.61
(1,1424)	1:48:A:ASN:H	1:49:A:GLU:HB2	7	0.61
(1,1424)	1:48:A:ASN:H	1:49:A:GLU:HB2	9	0.61
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE21	2	0.61
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE22	2	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB1	15	0.61
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB2	15	0.61
(1,1411)	1:46:A:VAL:HB	1:43:A:ALA:HB3	15	0.61
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG21	5	0.61
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG22	5	0.61
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG23	5	0.61
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG2	13	0.61
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG3	13	0.61
(1,1386)	1:42:A:LEU:HD11	1:39:A:LEU:H	4	0.61
(1,1386)	1:42:A:LEU:HD12	1:39:A:LEU:H	4	0.61
(1,1386)	1:42:A:LEU:HD13	1:39:A:LEU:H	4	0.61
(1,1386)	1:42:A:LEU:HD21	1:39:A:LEU:H	4	0.61
(1,1386)	1:42:A:LEU:HD22	1:39:A:LEU:H	4	0.61
(1,1386)	1:42:A:LEU:HD23	1:39:A:LEU:H	4	0.61
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD11	11	0.61
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD12	11	0.61
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD13	11	0.61
(1,1243)	1:2:A:PHE:HB3	1:3:A:ASP:H	6	0.61
(1,1243)	1:2:A:PHE:HB2	1:3:A:ASP:H	6	0.61
(1,1243)	1:2:A:PHE:HB3	1:3:A:ASP:H	7	0.61
(1,1243)	1:2:A:PHE:HB2	1:3:A:ASP:H	7	0.61
(1,1243)	1:2:A:PHE:HB3	1:3:A:ASP:H	12	0.61
(1,1243)	1:2:A:PHE:HB2	1:3:A:ASP:H	12	0.61
(1,991)	1:11:A:LEU:H	1:9:A:LEU:HA	1	0.61
(1,906)	1:71:A:LEU:HG	1:72:A:THR:H	5	0.61
(1,906)	1:71:A:LEU:HG	1:72:A:THR:H	7	0.61
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG21	4	0.6
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG22	4	0.6
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG23	4	0.6
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG21	14	0.6
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG22	14	0.6
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG23	14	0.6
(1,2848)	1:71:A:LEU:HB3	1:75:A:THR:H	14	0.6
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD11	1	0.6
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD12	1	0.6
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD13	1	0.6
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD21	1	0.6
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD22	1	0.6
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD23	1	0.6
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD11	2	0.6
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD12	2	0.6
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD13	2	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD21	2	0.6
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD22	2	0.6
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD23	2	0.6
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD11	12	0.6
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD12	12	0.6
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD13	12	0.6
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD21	12	0.6
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD22	12	0.6
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD23	12	0.6
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD11	9	0.6
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD12	9	0.6
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD13	9	0.6
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	5	0.6
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	5	0.6
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	5	0.6
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	5	0.6
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	5	0.6
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	5	0.6
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	8	0.6
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	8	0.6
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	8	0.6
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	8	0.6
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	8	0.6
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	8	0.6
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB2	8	0.6
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB3	8	0.6
(1,2796)	1:49:A:GLU:H	1:51:A:THR:HA	4	0.6
(1,2778)	1:45:A:THR:HA	1:49:A:GLU:H	8	0.6
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG21	4	0.6
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG22	4	0.6
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG23	4	0.6
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG21	14	0.6
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG22	14	0.6
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG23	14	0.6
(1,2724)	1:71:A:LEU:HB3	1:75:A:THR:H	14	0.6
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD11	1	0.6
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD12	1	0.6
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD13	1	0.6
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD21	1	0.6
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD22	1	0.6
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD23	1	0.6
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD11	2	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD12	2	0.6
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD13	2	0.6
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD21	2	0.6
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD22	2	0.6
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD23	2	0.6
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD11	12	0.6
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD12	12	0.6
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD13	12	0.6
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD21	12	0.6
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD22	12	0.6
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD23	12	0.6
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD11	9	0.6
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD12	9	0.6
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD13	9	0.6
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	5	0.6
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	5	0.6
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	5	0.6
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	5	0.6
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	5	0.6
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	5	0.6
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	8	0.6
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	8	0.6
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	8	0.6
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	8	0.6
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	8	0.6
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	8	0.6
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB2	8	0.6
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB3	8	0.6
(1,2672)	1:49:A:GLU:H	1:51:A:THR:HA	4	0.6
(1,2654)	1:45:A:THR:HA	1:49:A:GLU:H	8	0.6
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG21	4	0.6
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG22	4	0.6
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG23	4	0.6
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG21	14	0.6
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG22	14	0.6
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG23	14	0.6
(1,2600)	1:71:A:LEU:HB3	1:75:A:THR:H	14	0.6
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD11	1	0.6
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD12	1	0.6
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD13	1	0.6
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD21	1	0.6
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD22	1	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD23	1	0.6
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD11	2	0.6
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD12	2	0.6
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD13	2	0.6
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD21	2	0.6
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD22	2	0.6
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD23	2	0.6
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD11	12	0.6
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD12	12	0.6
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD13	12	0.6
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD21	12	0.6
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD22	12	0.6
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD23	12	0.6
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD11	9	0.6
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD12	9	0.6
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD13	9	0.6
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	5	0.6
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	5	0.6
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	5	0.6
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	5	0.6
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	5	0.6
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	5	0.6
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	8	0.6
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	8	0.6
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	8	0.6
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	8	0.6
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	8	0.6
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	8	0.6
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB2	8	0.6
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB3	8	0.6
(1,2548)	1:49:A:GLU:H	1:51:A:THR:HA	4	0.6
(1,2530)	1:45:A:THR:HA	1:49:A:GLU:H	8	0.6
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG21	4	0.6
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG22	4	0.6
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG23	4	0.6
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG21	14	0.6
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG22	14	0.6
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG23	14	0.6
(1,2476)	1:71:A:LEU:HB3	1:75:A:THR:H	14	0.6
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD11	1	0.6
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD12	1	0.6
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD13	1	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD21	1	0.6
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD22	1	0.6
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD23	1	0.6
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD11	2	0.6
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD12	2	0.6
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD13	2	0.6
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD21	2	0.6
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD22	2	0.6
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD23	2	0.6
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD11	12	0.6
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD12	12	0.6
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD13	12	0.6
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD21	12	0.6
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD22	12	0.6
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD23	12	0.6
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD11	9	0.6
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD12	9	0.6
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD13	9	0.6
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	5	0.6
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	5	0.6
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	5	0.6
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	5	0.6
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	5	0.6
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	5	0.6
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	8	0.6
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	8	0.6
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	8	0.6
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	8	0.6
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	8	0.6
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	8	0.6
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB2	8	0.6
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB3	8	0.6
(1,2424)	1:49:A:GLU:H	1:51:A:THR:HA	4	0.6
(1,2406)	1:45:A:THR:HA	1:49:A:GLU:H	8	0.6
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG21	4	0.6
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG22	4	0.6
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG23	4	0.6
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG21	14	0.6
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG22	14	0.6
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG23	14	0.6
(1,2352)	1:71:A:LEU:HB3	1:75:A:THR:H	14	0.6
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD11	1	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD12	1	0.6
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD13	1	0.6
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD21	1	0.6
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD22	1	0.6
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD23	1	0.6
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD11	2	0.6
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD12	2	0.6
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD13	2	0.6
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD21	2	0.6
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD22	2	0.6
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD23	2	0.6
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD11	12	0.6
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD12	12	0.6
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD13	12	0.6
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD21	12	0.6
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD22	12	0.6
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD23	12	0.6
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD11	9	0.6
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD12	9	0.6
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD13	9	0.6
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	5	0.6
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	5	0.6
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	5	0.6
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	5	0.6
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	5	0.6
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	5	0.6
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	8	0.6
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	8	0.6
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	8	0.6
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	8	0.6
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	8	0.6
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	8	0.6
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB2	8	0.6
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB3	8	0.6
(1,2300)	1:49:A:GLU:H	1:51:A:THR:HA	4	0.6
(1,2282)	1:45:A:THR:HA	1:49:A:GLU:H	8	0.6
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE1	13	0.6
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE2	13	0.6
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE1	15	0.6
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE2	15	0.6
(1,2173)	1:94:A:ARG:HG2	1:95:A:SER:H	2	0.6
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB2	9	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB3	9	0.6
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB2	9	0.6
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB3	9	0.6
(1,2169)	1:94:A:ARG:H	1:93:A:LYS:HG2	1	0.6
(1,2151)	1:91:A:SER:HB2	1:92:A:MET:HG3	13	0.6
(1,2151)	1:91:A:SER:HB3	1:92:A:MET:HG3	13	0.6
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE1	1	0.6
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE2	1	0.6
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE3	1	0.6
(1,2097)	1:84:A:GLU:HA	1:83:A:ASP:HB3	14	0.6
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD11	1	0.6
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD12	1	0.6
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD13	1	0.6
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD21	1	0.6
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD22	1	0.6
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD23	1	0.6
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD11	2	0.6
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD12	2	0.6
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD13	2	0.6
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD21	2	0.6
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD22	2	0.6
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD23	2	0.6
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD11	12	0.6
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD12	12	0.6
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD13	12	0.6
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD21	12	0.6
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD22	12	0.6
(1,2073)	1:82:A:MET:HA	1:85:A:LEU:HD23	12	0.6
(1,2069)	1:82:A:MET:HG3	1:83:A:ASP:H	3	0.6
(1,2017)	1:76:A:PRO:HB2	1:77:A:GLU:H	8	0.6
(1,2017)	1:76:A:PRO:HB3	1:77:A:GLU:H	8	0.6
(1,2002)	1:74:A:LEU:H	1:71:A:LEU:HA	14	0.6
(1,1986)	1:73:A:ASN:H	1:72:A:THR:HB	9	0.6
(1,1907)	1:64:A:LYS:H	1:60:A:GLN:HA	13	0.6
(1,1869)	1:60:A:GLN:HE22	1:56:A:LEU:HB2	13	0.6
(1,1860)	1:54:A:LEU:HG	1:55:A:LYS:H	9	0.6
(1,1855)	1:55:A:LYS:H	1:54:A:LEU:HB2	12	0.6
(1,1855)	1:55:A:LYS:H	1:54:A:LEU:HB3	12	0.6
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG11	3	0.6
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG12	3	0.6
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG13	3	0.6
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG11	13	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG12	13	0.6
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG13	13	0.6
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG21	13	0.6
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG22	13	0.6
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG23	13	0.6
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG21	1	0.6
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG22	1	0.6
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG23	1	0.6
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG21	5	0.6
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG22	5	0.6
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG23	5	0.6
(1,1679)	1:17:A:LEU:H	1:16:A:GLY:H	13	0.6
(1,1675)	1:16:A:GLY:H	1:18:A:VAL:H	1	0.6
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG11	6	0.6
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG12	6	0.6
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG13	6	0.6
(1,1658)	1:14:A:ILE:HB	1:15:A:ILE:H	13	0.6
(1,1643)	1:13:A:PHE:HB2	1:14:A:ILE:HB	5	0.6
(1,1643)	1:13:A:PHE:HB3	1:14:A:ILE:HB	5	0.6
(1,1643)	1:13:A:PHE:HB2	1:14:A:ILE:HB	6	0.6
(1,1643)	1:13:A:PHE:HB3	1:14:A:ILE:HB	6	0.6
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG11	5	0.6
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG12	5	0.6
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG13	5	0.6
(1,1621)	1:10:A:LEU:H	1:9:A:LEU:H	15	0.6
(1,1592)	1:6:A:PHE:H	1:5:A:GLY:H	13	0.6
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG21	5	0.6
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG22	5	0.6
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG23	5	0.6
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG21	5	0.6
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG22	5	0.6
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG23	5	0.6
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG21	13	0.6
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG22	13	0.6
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG23	13	0.6
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG21	13	0.6
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG22	13	0.6
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG23	13	0.6
(1,1533)	1:97:A:VAL:H	1:98:A:ALA:H	1	0.6
(1,1533)	1:97:A:VAL:H	1:98:A:ALA:H	13	0.6
(1,1533)	1:97:A:VAL:H	1:98:A:ALA:H	15	0.6
(1,1450)	1:66:A:VAL:HA	1:70:A:SER:H	7	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1431)	1:56:A:LEU:H	1:54:A:LEU:H	13	0.6
(1,1425)	1:48:A:ASN:HA	1:51:A:THR:H	15	0.6
(1,1424)	1:48:A:ASN:H	1:49:A:GLU:HB2	8	0.6
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG21	7	0.6
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG22	7	0.6
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG23	7	0.6
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD11	3	0.6
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD12	3	0.6
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD13	3	0.6
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD11	7	0.6
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD12	7	0.6
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD13	7	0.6
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD11	15	0.6
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD12	15	0.6
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD13	15	0.6
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD11	3	0.6
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD12	3	0.6
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD13	3	0.6
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD21	3	0.6
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD22	3	0.6
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD23	3	0.6
(1,1243)	1:2:A:PHE:HB3	1:3:A:ASP:H	4	0.6
(1,1243)	1:2:A:PHE:HB2	1:3:A:ASP:H	4	0.6
(1,1243)	1:2:A:PHE:HB3	1:3:A:ASP:H	5	0.6
(1,1243)	1:2:A:PHE:HB2	1:3:A:ASP:H	5	0.6
(1,1243)	1:2:A:PHE:HB3	1:3:A:ASP:H	13	0.6
(1,1243)	1:2:A:PHE:HB2	1:3:A:ASP:H	13	0.6
(1,906)	1:71:A:LEU:HG	1:72:A:THR:H	11	0.6
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	4	0.59
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	4	0.59
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	4	0.59
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	4	0.59
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	4	0.59
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	4	0.59
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	4	0.59
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	4	0.59
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	4	0.59
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	4	0.59
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	4	0.59
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	4	0.59
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	9	0.59
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	9	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	9	0.59
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	9	0.59
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	9	0.59
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	9	0.59
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	9	0.59
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	9	0.59
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	9	0.59
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	9	0.59
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	9	0.59
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	9	0.59
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	1	0.59
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	1	0.59
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	1	0.59
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	1	0.59
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	1	0.59
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	1	0.59
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD11	5	0.59
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD12	5	0.59
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD13	5	0.59
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD21	5	0.59
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD22	5	0.59
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD23	5	0.59
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB2	13	0.59
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB3	13	0.59
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG21	5	0.59
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG22	5	0.59
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG23	5	0.59
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	2	0.59
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	2	0.59
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	2	0.59
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	2	0.59
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD21	2	0.59
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD22	2	0.59
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD23	2	0.59
(1,2778)	1:45:A:THR:HA	1:49:A:GLU:H	3	0.59
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	4	0.59
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	4	0.59
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	4	0.59
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	4	0.59
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	4	0.59
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	4	0.59
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	4	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	4	0.59
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	4	0.59
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	4	0.59
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	4	0.59
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	4	0.59
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	9	0.59
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	9	0.59
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	9	0.59
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	9	0.59
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	9	0.59
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	9	0.59
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	9	0.59
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	9	0.59
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	9	0.59
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	9	0.59
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	9	0.59
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	9	0.59
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	1	0.59
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	1	0.59
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	1	0.59
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	1	0.59
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	1	0.59
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	1	0.59
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD11	5	0.59
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD12	5	0.59
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD13	5	0.59
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD21	5	0.59
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD22	5	0.59
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD23	5	0.59
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB2	13	0.59
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB3	13	0.59
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG21	5	0.59
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG22	5	0.59
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG23	5	0.59
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	2	0.59
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	2	0.59
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	2	0.59
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	2	0.59
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD21	2	0.59
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD22	2	0.59
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD23	2	0.59
(1,2654)	1:45:A:THR:HA	1:49:A:GLU:H	3	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	4	0.59
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	4	0.59
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	4	0.59
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	4	0.59
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	4	0.59
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	4	0.59
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	4	0.59
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	4	0.59
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	4	0.59
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	4	0.59
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	4	0.59
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	4	0.59
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	9	0.59
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	9	0.59
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	9	0.59
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	9	0.59
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	9	0.59
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	9	0.59
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	9	0.59
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	9	0.59
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	9	0.59
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	9	0.59
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	9	0.59
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	9	0.59
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	1	0.59
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	1	0.59
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	1	0.59
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	1	0.59
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	1	0.59
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	1	0.59
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD11	5	0.59
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD12	5	0.59
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD13	5	0.59
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD21	5	0.59
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD22	5	0.59
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD23	5	0.59
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB2	13	0.59
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB3	13	0.59
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG21	5	0.59
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG22	5	0.59
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG23	5	0.59
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	2	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	2	0.59
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	2	0.59
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	2	0.59
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD21	2	0.59
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD22	2	0.59
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD23	2	0.59
(1,2530)	1:45:A:THR:HA	1:49:A:GLU:H	3	0.59
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	4	0.59
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	4	0.59
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	4	0.59
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	4	0.59
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	4	0.59
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	4	0.59
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	4	0.59
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	4	0.59
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	4	0.59
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	4	0.59
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	4	0.59
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	4	0.59
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	9	0.59
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	9	0.59
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	9	0.59
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	9	0.59
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	9	0.59
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	9	0.59
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	9	0.59
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	9	0.59
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	9	0.59
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	9	0.59
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	9	0.59
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	9	0.59
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	1	0.59
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	1	0.59
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	1	0.59
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	1	0.59
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	1	0.59
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	1	0.59
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD11	5	0.59
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD12	5	0.59
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD13	5	0.59
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD21	5	0.59
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD22	5	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD23	5	0.59
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB2	13	0.59
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB3	13	0.59
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG21	5	0.59
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG22	5	0.59
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG23	5	0.59
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	2	0.59
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	2	0.59
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	2	0.59
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	2	0.59
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD21	2	0.59
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD22	2	0.59
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD23	2	0.59
(1,2406)	1:45:A:THR:HA	1:49:A:GLU:H	3	0.59
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	4	0.59
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	4	0.59
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	4	0.59
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	4	0.59
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	4	0.59
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	4	0.59
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	4	0.59
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	4	0.59
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	4	0.59
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	4	0.59
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	4	0.59
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	4	0.59
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	9	0.59
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	9	0.59
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	9	0.59
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	9	0.59
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	9	0.59
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	9	0.59
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	9	0.59
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	9	0.59
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	9	0.59
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	9	0.59
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	9	0.59
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	9	0.59
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	1	0.59
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	1	0.59
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	1	0.59
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	1	0.59
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	1	0.59
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD11	5	0.59
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD12	5	0.59
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD13	5	0.59
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD21	5	0.59
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD22	5	0.59
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD23	5	0.59
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB2	13	0.59
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB3	13	0.59
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG21	5	0.59
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG22	5	0.59
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG23	5	0.59
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	2	0.59
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	2	0.59
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	2	0.59
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	2	0.59
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD21	2	0.59
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD22	2	0.59
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD23	2	0.59
(1,2282)	1:45:A:THR:HA	1:49:A:GLU:H	3	0.59
(1,2227)	1:101:A:PRO:HG2	1:100:A:ASP:HA	14	0.59
(1,2227)	1:101:A:PRO:HG3	1:100:A:ASP:HA	14	0.59
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD1	9	0.59
(1,2217)	1:99:A:ASN:H	1:96:A:TYR:HD2	9	0.59
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB1	10	0.59
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB2	10	0.59
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB3	10	0.59
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB1	8	0.59
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB2	8	0.59
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB3	8	0.59
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB2	6	0.59
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB3	6	0.59
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB2	6	0.59
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB3	6	0.59
(1,2069)	1:82:A:MET:HG3	1:83:A:ASP:H	9	0.59
(1,2069)	1:82:A:MET:HG3	1:83:A:ASP:H	15	0.59
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD11	3	0.59
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD12	3	0.59
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD13	3	0.59
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD11	3	0.59
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD12	3	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD13	3	0.59
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD21	3	0.59
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD22	3	0.59
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD23	3	0.59
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD11	9	0.59
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD12	9	0.59
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD13	9	0.59
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD11	9	0.59
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD12	9	0.59
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD13	9	0.59
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD21	9	0.59
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD22	9	0.59
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD23	9	0.59
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD11	2	0.59
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD12	2	0.59
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD13	2	0.59
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD11	14	0.59
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD12	14	0.59
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD13	14	0.59
(1,2017)	1:76:A:PRO:HB2	1:77:A:GLU:H	3	0.59
(1,2017)	1:76:A:PRO:HB3	1:77:A:GLU:H	3	0.59
(1,2017)	1:76:A:PRO:HB2	1:77:A:GLU:H	9	0.59
(1,2017)	1:76:A:PRO:HB3	1:77:A:GLU:H	9	0.59
(1,2017)	1:76:A:PRO:HB2	1:77:A:GLU:H	13	0.59
(1,2017)	1:76:A:PRO:HB3	1:77:A:GLU:H	13	0.59
(1,2002)	1:74:A:LEU:H	1:71:A:LEU:HA	4	0.59
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG2	9	0.59
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG3	9	0.59
(1,1860)	1:54:A:LEU:HG	1:55:A:LYS:H	13	0.59
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG2	6	0.59
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG3	6	0.59
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG2	7	0.59
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG3	7	0.59
(1,1846)	1:51:A:THR:HA	1:53:A:GLU:H	6	0.59
(1,1846)	1:51:A:THR:HA	1:53:A:GLU:H	7	0.59
(1,1846)	1:51:A:THR:HA	1:53:A:GLU:H	11	0.59
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG11	2	0.59
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG12	2	0.59
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG13	2	0.59
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG11	13	0.59
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG12	13	0.59
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG13	13	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1769)	1:37:A:ARG:HA	1:41:A:SER:H	1	0.59
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG11	6	0.59
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG12	6	0.59
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG13	6	0.59
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG11	13	0.59
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG12	13	0.59
(1,1726)	1:28:A:ALA:H	1:27:A:VAL:HG13	13	0.59
(1,1703)	1:22:A:PRO:HD3	1:23:A:GLN:H	12	0.59
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG21	3	0.59
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG22	3	0.59
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG23	3	0.59
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG21	4	0.59
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG22	4	0.59
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG23	4	0.59
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG21	7	0.59
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG22	7	0.59
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG23	7	0.59
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG21	8	0.59
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG22	8	0.59
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG23	8	0.59
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG21	14	0.59
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG22	14	0.59
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG23	14	0.59
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG21	15	0.59
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG22	15	0.59
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG23	15	0.59
(1,1675)	1:16:A:GLY:H	1:18:A:VAL:H	5	0.59
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG11	7	0.59
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG12	7	0.59
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG13	7	0.59
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG21	2	0.59
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG22	2	0.59
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG23	2	0.59
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD11	2	0.59
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD12	2	0.59
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD13	2	0.59
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD21	2	0.59
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD22	2	0.59
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD23	2	0.59
(1,1658)	1:14:A:ILE:HB	1:15:A:ILE:H	11	0.59
(1,1592)	1:6:A:PHE:H	1:5:A:GLY:H	15	0.59
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG21	15	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG22	15	0.59
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG23	15	0.59
(1,1549)	1:2:A:PHE:HB2	1:2:A:PHE:H	10	0.59
(1,1549)	1:2:A:PHE:HB2	1:2:A:PHE:H	12	0.59
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG11	5	0.59
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG12	5	0.59
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG13	5	0.59
(1,1533)	1:97:A:VAL:H	1:98:A:ALA:H	12	0.59
(1,1533)	1:97:A:VAL:H	1:98:A:ALA:H	14	0.59
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG21	11	0.59
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG22	11	0.59
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG23	11	0.59
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG21	11	0.59
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG22	11	0.59
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG23	11	0.59
(1,1431)	1:56:A:LEU:H	1:54:A:LEU:H	7	0.59
(1,1431)	1:56:A:LEU:H	1:54:A:LEU:H	9	0.59
(1,1386)	1:42:A:LEU:HD11	1:39:A:LEU:H	12	0.59
(1,1386)	1:42:A:LEU:HD12	1:39:A:LEU:H	12	0.59
(1,1386)	1:42:A:LEU:HD13	1:39:A:LEU:H	12	0.59
(1,1386)	1:42:A:LEU:HD21	1:39:A:LEU:H	12	0.59
(1,1386)	1:42:A:LEU:HD22	1:39:A:LEU:H	12	0.59
(1,1386)	1:42:A:LEU:HD23	1:39:A:LEU:H	12	0.59
(1,1324)	1:27:A:VAL:HB	1:24:A:ARG:HA	12	0.59
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD11	8	0.59
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD12	8	0.59
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD13	8	0.59
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD11	11	0.59
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD12	11	0.59
(1,1299)	1:18:A:VAL:HB	1:15:A:ILE:HD13	11	0.59
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD11	7	0.59
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD12	7	0.59
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD13	7	0.59
(1,1243)	1:2:A:PHE:HB3	1:3:A:ASP:H	1	0.59
(1,1243)	1:2:A:PHE:HB2	1:3:A:ASP:H	1	0.59
(1,1243)	1:2:A:PHE:HB3	1:3:A:ASP:H	3	0.59
(1,1243)	1:2:A:PHE:HB2	1:3:A:ASP:H	3	0.59
(1,1243)	1:2:A:PHE:HB3	1:3:A:ASP:H	9	0.59
(1,1243)	1:2:A:PHE:HB2	1:3:A:ASP:H	9	0.59
(1,200)	1:103:A:GLU:H	1:101:A:PRO:HA	9	0.59
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG21	6	0.58
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG22	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG23	6	0.58
(1,2848)	1:71:A:LEU:HB3	1:75:A:THR:H	4	0.58
(1,2845)	1:71:A:LEU:H	1:68:A:LYS:HG2	5	0.58
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD11	5	0.58
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD12	5	0.58
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD13	5	0.58
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD21	5	0.58
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD22	5	0.58
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD23	5	0.58
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD11	7	0.58
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD12	7	0.58
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD13	7	0.58
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD21	7	0.58
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD22	7	0.58
(1,2844)	1:70:A:SER:H	1:78:A:LEU:HD23	7	0.58
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG2	1	0.58
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG3	1	0.58
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD21	15	0.58
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD22	15	0.58
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD23	15	0.58
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	1	0.58
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	1	0.58
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	1	0.58
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	1	0.58
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	1	0.58
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	1	0.58
(1,2777)	1:45:A:THR:HA	1:48:A:ASN:HB2	8	0.58
(1,2777)	1:45:A:THR:HA	1:48:A:ASN:HB3	8	0.58
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD21	2	0.58
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD22	2	0.58
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD23	2	0.58
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	8	0.58
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	8	0.58
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	8	0.58
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	12	0.58
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	12	0.58
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	12	0.58
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG21	6	0.58
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG22	6	0.58
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG23	6	0.58
(1,2724)	1:71:A:LEU:HB3	1:75:A:THR:H	4	0.58
(1,2721)	1:71:A:LEU:H	1:68:A:LYS:HG2	5	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD11	5	0.58
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD12	5	0.58
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD13	5	0.58
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD21	5	0.58
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD22	5	0.58
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD23	5	0.58
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD11	7	0.58
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD12	7	0.58
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD13	7	0.58
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD21	7	0.58
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD22	7	0.58
(1,2720)	1:70:A:SER:H	1:78:A:LEU:HD23	7	0.58
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG2	1	0.58
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG3	1	0.58
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD21	15	0.58
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD22	15	0.58
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD23	15	0.58
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	1	0.58
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	1	0.58
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	1	0.58
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	1	0.58
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	1	0.58
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	1	0.58
(1,2653)	1:45:A:THR:HA	1:48:A:ASN:HB2	8	0.58
(1,2653)	1:45:A:THR:HA	1:48:A:ASN:HB3	8	0.58
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD21	2	0.58
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD22	2	0.58
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD23	2	0.58
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	8	0.58
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	8	0.58
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	8	0.58
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	12	0.58
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	12	0.58
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	12	0.58
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG21	6	0.58
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG22	6	0.58
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG23	6	0.58
(1,2600)	1:71:A:LEU:HB3	1:75:A:THR:H	4	0.58
(1,2597)	1:71:A:LEU:H	1:68:A:LYS:HG2	5	0.58
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD11	5	0.58
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD12	5	0.58
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD13	5	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD21	5	0.58
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD22	5	0.58
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD23	5	0.58
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD11	7	0.58
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD12	7	0.58
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD13	7	0.58
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD21	7	0.58
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD22	7	0.58
(1,2596)	1:70:A:SER:H	1:78:A:LEU:HD23	7	0.58
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG2	1	0.58
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG3	1	0.58
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD21	15	0.58
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD22	15	0.58
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD23	15	0.58
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	1	0.58
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	1	0.58
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	1	0.58
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	1	0.58
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	1	0.58
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	1	0.58
(1,2529)	1:45:A:THR:HA	1:48:A:ASN:HB2	8	0.58
(1,2529)	1:45:A:THR:HA	1:48:A:ASN:HB3	8	0.58
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD21	2	0.58
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD22	2	0.58
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD23	2	0.58
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	8	0.58
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	8	0.58
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	8	0.58
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	12	0.58
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	12	0.58
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	12	0.58
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG21	6	0.58
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG22	6	0.58
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG23	6	0.58
(1,2476)	1:71:A:LEU:HB3	1:75:A:THR:H	4	0.58
(1,2473)	1:71:A:LEU:H	1:68:A:LYS:HG2	5	0.58
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD11	5	0.58
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD12	5	0.58
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD13	5	0.58
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD21	5	0.58
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD22	5	0.58
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD23	5	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD11	7	0.58
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD12	7	0.58
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD13	7	0.58
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD21	7	0.58
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD22	7	0.58
(1,2472)	1:70:A:SER:H	1:78:A:LEU:HD23	7	0.58
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG2	1	0.58
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG3	1	0.58
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD21	15	0.58
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD22	15	0.58
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD23	15	0.58
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	1	0.58
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	1	0.58
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	1	0.58
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	1	0.58
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	1	0.58
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	1	0.58
(1,2405)	1:45:A:THR:HA	1:48:A:ASN:HB2	8	0.58
(1,2405)	1:45:A:THR:HA	1:48:A:ASN:HB3	8	0.58
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD21	2	0.58
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD22	2	0.58
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD23	2	0.58
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	8	0.58
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	8	0.58
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	8	0.58
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	12	0.58
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	12	0.58
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	12	0.58
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG21	6	0.58
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG22	6	0.58
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG23	6	0.58
(1,2352)	1:71:A:LEU:HB3	1:75:A:THR:H	4	0.58
(1,2349)	1:71:A:LEU:H	1:68:A:LYS:HG2	5	0.58
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD11	5	0.58
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD12	5	0.58
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD13	5	0.58
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD21	5	0.58
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD22	5	0.58
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD23	5	0.58
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD11	7	0.58
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD12	7	0.58
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD13	7	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD21	7	0.58
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD22	7	0.58
(1,2348)	1:70:A:SER:H	1:78:A:LEU:HD23	7	0.58
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG2	1	0.58
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG3	1	0.58
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD21	15	0.58
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD22	15	0.58
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD23	15	0.58
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	1	0.58
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	1	0.58
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	1	0.58
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	1	0.58
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	1	0.58
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	1	0.58
(1,2281)	1:45:A:THR:HA	1:48:A:ASN:HB2	8	0.58
(1,2281)	1:45:A:THR:HA	1:48:A:ASN:HB3	8	0.58
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD21	2	0.58
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD22	2	0.58
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD23	2	0.58
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	8	0.58
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	8	0.58
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	8	0.58
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	12	0.58
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	12	0.58
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	12	0.58
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB1	4	0.58
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB2	4	0.58
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB3	4	0.58
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE1	1	0.58
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE2	1	0.58
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB2	4	0.58
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB3	4	0.58
(1,2177)	1:94:A:ARG:HA	1:97:A:VAL:HB	12	0.58
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB2	13	0.58
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB3	13	0.58
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB2	13	0.58
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB3	13	0.58
(1,2151)	1:91:A:SER:HB2	1:92:A:MET:HG3	10	0.58
(1,2151)	1:91:A:SER:HB3	1:92:A:MET:HG3	10	0.58
(1,2096)	1:84:A:GLU:H	1:83:A:ASP:HB2	7	0.58
(1,2089)	1:83:A:ASP:HA	1:87:A:GLN:H	7	0.58
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD11	2	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD12	2	0.58
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD13	2	0.58
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD11	2	0.58
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD12	2	0.58
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD13	2	0.58
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD21	2	0.58
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD22	2	0.58
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD23	2	0.58
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD11	14	0.58
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD12	14	0.58
(1,2056)	1:81:A:SER:H	1:78:A:LEU:HD13	14	0.58
(1,1993)	1:73:A:ASN:HA	1:72:A:THR:HA	6	0.58
(1,1987)	1:73:A:ASN:HD21	1:72:A:THR:HB	6	0.58
(1,1987)	1:73:A:ASN:HD22	1:72:A:THR:HB	6	0.58
(1,1984)	1:73:A:ASN:H	1:71:A:LEU:HA	13	0.58
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB3	11	0.58
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB2	11	0.58
(1,1956)	1:68:A:LYS:HB2	1:69:A:ALA:H	13	0.58
(1,1956)	1:68:A:LYS:HB3	1:69:A:ALA:H	13	0.58
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG21	15	0.58
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG22	15	0.58
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG23	15	0.58
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG21	15	0.58
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG22	15	0.58
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG23	15	0.58
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG2	4	0.58
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG3	4	0.58
(1,1930)	1:65:A:LYS:H	1:67:A:GLU:H	11	0.58
(1,1907)	1:64:A:LYS:H	1:60:A:GLN:HA	1	0.58
(1,1907)	1:64:A:LYS:H	1:60:A:GLN:HA	6	0.58
(1,1907)	1:64:A:LYS:H	1:60:A:GLN:HA	10	0.58
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD11	1	0.58
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD12	1	0.58
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD13	1	0.58
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG21	5	0.58
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG22	5	0.58
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG23	5	0.58
(1,1837)	1:49:A:GLU:H	1:48:A:ASN:HA	7	0.58
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG21	11	0.58
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG22	11	0.58
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG23	11	0.58
(1,1817)	1:46:A:VAL:H	1:43:A:ALA:HA	5	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB1	15	0.58
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB2	15	0.58
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB3	15	0.58
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG21	8	0.58
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG22	8	0.58
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG23	8	0.58
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG21	8	0.58
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG22	8	0.58
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG23	8	0.58
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG11	1	0.58
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG12	1	0.58
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG13	1	0.58
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG21	10	0.58
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG22	10	0.58
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG23	10	0.58
(1,1675)	1:16:A:GLY:H	1:18:A:VAL:H	6	0.58
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG11	3	0.58
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG12	3	0.58
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG13	3	0.58
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG11	8	0.58
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG12	8	0.58
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG13	8	0.58
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG11	15	0.58
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG12	15	0.58
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG13	15	0.58
(1,1668)	1:15:A:ILE:HA	1:18:A:VAL:H	12	0.58
(1,1668)	1:15:A:ILE:HA	1:18:A:VAL:H	13	0.58
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD21	3	0.58
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD22	3	0.58
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD23	3	0.58
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD21	3	0.58
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD22	3	0.58
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD23	3	0.58
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD21	5	0.58
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD22	5	0.58
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD23	5	0.58
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD21	5	0.58
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD22	5	0.58
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD23	5	0.58
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD21	6	0.58
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD22	6	0.58
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD23	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD21	6	0.58
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD22	6	0.58
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD23	6	0.58
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD21	7	0.58
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD22	7	0.58
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD23	7	0.58
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD21	7	0.58
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD22	7	0.58
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD23	7	0.58
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG21	3	0.58
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG22	3	0.58
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG23	3	0.58
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG21	3	0.58
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG22	3	0.58
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG23	3	0.58
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG21	6	0.58
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG22	6	0.58
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG23	6	0.58
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG21	6	0.58
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG22	6	0.58
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG23	6	0.58
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG21	15	0.58
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG22	15	0.58
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG23	15	0.58
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG21	15	0.58
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG22	15	0.58
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG23	15	0.58
(1,1605)	1:8:A:GLU:HB2	1:4:A:ILE:HB	11	0.58
(1,1600)	1:6:A:PHE:HA	1:9:A:LEU:H	13	0.58
(1,1599)	1:6:A:PHE:HB3	1:9:A:LEU:HB2	15	0.58
(1,1599)	1:6:A:PHE:HB2	1:9:A:LEU:HB2	15	0.58
(1,1549)	1:2:A:PHE:HB2	1:2:A:PHE:H	2	0.58
(1,1549)	1:2:A:PHE:HB2	1:2:A:PHE:H	4	0.58
(1,1549)	1:2:A:PHE:HB2	1:2:A:PHE:H	6	0.58
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG21	7	0.58
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG22	7	0.58
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG23	7	0.58
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG21	7	0.58
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG22	7	0.58
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG23	7	0.58
(1,1474)	1:73:A:ASN:H	1:75:A:THR:H	6	0.58
(1,1474)	1:73:A:ASN:H	1:75:A:THR:H	8	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1450)	1:66:A:VAL:HA	1:70:A:SER:H	6	0.58
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD11	6	0.58
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD12	6	0.58
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD13	6	0.58
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB3	9	0.58
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB3	9	0.58
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB3	9	0.58
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB3	9	0.58
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB3	9	0.58
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB3	9	0.58
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB2	9	0.58
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB2	9	0.58
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB2	9	0.58
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB2	9	0.58
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB2	9	0.58
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB2	9	0.58
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG21	10	0.58
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG22	10	0.58
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG23	10	0.58
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD11	15	0.58
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD12	15	0.58
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD13	15	0.58
(1,1243)	1:2:A:PHE:HB3	1:3:A:ASP:H	15	0.58
(1,1243)	1:2:A:PHE:HB2	1:3:A:ASP:H	15	0.58
(1,906)	1:71:A:LEU:HG	1:72:A:THR:H	1	0.58
(1,906)	1:71:A:LEU:HG	1:72:A:THR:H	10	0.58
(1,906)	1:71:A:LEU:HG	1:72:A:THR:H	12	0.58
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG21	8	0.57
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG22	8	0.57
(1,2862)	1:78:A:LEU:HG	1:72:A:THR:HG23	8	0.57
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD11	8	0.57
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD12	8	0.57
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD13	8	0.57
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	1	0.57
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	1	0.57
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	1	0.57
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	1	0.57
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	1	0.57
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	1	0.57
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	1	0.57
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	1	0.57
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	1	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	1	0.57
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	1	0.57
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	1	0.57
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	3	0.57
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	3	0.57
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	3	0.57
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	3	0.57
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	3	0.57
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	3	0.57
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	3	0.57
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	3	0.57
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	3	0.57
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	3	0.57
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	3	0.57
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	3	0.57
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	10	0.57
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	10	0.57
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	10	0.57
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	10	0.57
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	10	0.57
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	10	0.57
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	4	0.57
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	4	0.57
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	4	0.57
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	4	0.57
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	4	0.57
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	4	0.57
(1,2796)	1:49:A:GLU:H	1:51:A:THR:HA	3	0.57
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	12	0.57
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	12	0.57
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	12	0.57
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	12	0.57
(1,2777)	1:45:A:THR:HA	1:48:A:ASN:HB2	9	0.57
(1,2777)	1:45:A:THR:HA	1:48:A:ASN:HB3	9	0.57
(1,2767)	1:24:A:ARG:HB2	1:20:A:LEU:HD11	12	0.57
(1,2767)	1:24:A:ARG:HB2	1:20:A:LEU:HD12	12	0.57
(1,2767)	1:24:A:ARG:HB2	1:20:A:LEU:HD13	12	0.57
(1,2763)	1:22:A:PRO:HG2	1:24:A:ARG:H	2	0.57
(1,2763)	1:22:A:PRO:HG3	1:24:A:ARG:H	2	0.57
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	6	0.57
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	6	0.57
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	6	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	6	0.57
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	6	0.57
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	6	0.57
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG21	8	0.57
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG22	8	0.57
(1,2738)	1:78:A:LEU:HG	1:72:A:THR:HG23	8	0.57
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD11	8	0.57
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD12	8	0.57
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD13	8	0.57
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	1	0.57
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	1	0.57
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	1	0.57
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	1	0.57
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	1	0.57
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	1	0.57
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	1	0.57
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	1	0.57
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	1	0.57
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	1	0.57
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	1	0.57
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	1	0.57
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	3	0.57
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	3	0.57
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	3	0.57
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	3	0.57
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	3	0.57
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	3	0.57
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	3	0.57
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	3	0.57
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	3	0.57
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	3	0.57
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	3	0.57
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	3	0.57
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	10	0.57
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	10	0.57
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	10	0.57
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	10	0.57
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	10	0.57
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	10	0.57
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	4	0.57
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	4	0.57
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	4	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	4	0.57
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	4	0.57
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	4	0.57
(1,2672)	1:49:A:GLU:H	1:51:A:THR:HA	3	0.57
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	12	0.57
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	12	0.57
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	12	0.57
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	12	0.57
(1,2653)	1:45:A:THR:HA	1:48:A:ASN:HB2	9	0.57
(1,2653)	1:45:A:THR:HA	1:48:A:ASN:HB3	9	0.57
(1,2643)	1:24:A:ARG:HB2	1:20:A:LEU:HD11	12	0.57
(1,2643)	1:24:A:ARG:HB2	1:20:A:LEU:HD12	12	0.57
(1,2643)	1:24:A:ARG:HB2	1:20:A:LEU:HD13	12	0.57
(1,2639)	1:22:A:PRO:HG2	1:24:A:ARG:H	2	0.57
(1,2639)	1:22:A:PRO:HG3	1:24:A:ARG:H	2	0.57
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	6	0.57
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	6	0.57
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	6	0.57
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	6	0.57
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	6	0.57
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	6	0.57
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG21	8	0.57
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG22	8	0.57
(1,2614)	1:78:A:LEU:HG	1:72:A:THR:HG23	8	0.57
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD11	8	0.57
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD12	8	0.57
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD13	8	0.57
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	1	0.57
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	1	0.57
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	1	0.57
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	1	0.57
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	1	0.57
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	1	0.57
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	1	0.57
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	1	0.57
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	1	0.57
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	1	0.57
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	1	0.57
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	1	0.57
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	3	0.57
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	3	0.57
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	3	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	3	0.57
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	3	0.57
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	3	0.57
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	3	0.57
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	3	0.57
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	3	0.57
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	3	0.57
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	3	0.57
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	3	0.57
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	10	0.57
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	10	0.57
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	10	0.57
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	10	0.57
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	10	0.57
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	10	0.57
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	4	0.57
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	4	0.57
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	4	0.57
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	4	0.57
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	4	0.57
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	4	0.57
(1,2548)	1:49:A:GLU:H	1:51:A:THR:HA	3	0.57
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	12	0.57
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	12	0.57
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	12	0.57
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	12	0.57
(1,2529)	1:45:A:THR:HA	1:48:A:ASN:HB2	9	0.57
(1,2529)	1:45:A:THR:HA	1:48:A:ASN:HB3	9	0.57
(1,2519)	1:24:A:ARG:HB2	1:20:A:LEU:HD11	12	0.57
(1,2519)	1:24:A:ARG:HB2	1:20:A:LEU:HD12	12	0.57
(1,2519)	1:24:A:ARG:HB2	1:20:A:LEU:HD13	12	0.57
(1,2515)	1:22:A:PRO:HG2	1:24:A:ARG:H	2	0.57
(1,2515)	1:22:A:PRO:HG3	1:24:A:ARG:H	2	0.57
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	6	0.57
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	6	0.57
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	6	0.57
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	6	0.57
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	6	0.57
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	6	0.57
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG21	8	0.57
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG22	8	0.57
(1,2490)	1:78:A:LEU:HG	1:72:A:THR:HG23	8	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD11	8	0.57
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD12	8	0.57
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD13	8	0.57
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	1	0.57
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	1	0.57
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	1	0.57
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	1	0.57
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	1	0.57
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	1	0.57
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	1	0.57
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	1	0.57
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	1	0.57
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	1	0.57
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	1	0.57
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	1	0.57
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	3	0.57
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	3	0.57
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	3	0.57
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	3	0.57
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	3	0.57
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	3	0.57
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	3	0.57
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	3	0.57
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	3	0.57
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	3	0.57
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	3	0.57
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	3	0.57
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	10	0.57
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	10	0.57
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	10	0.57
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	10	0.57
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	10	0.57
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	10	0.57
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	4	0.57
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	4	0.57
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	4	0.57
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	4	0.57
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	4	0.57
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	4	0.57
(1,2424)	1:49:A:GLU:H	1:51:A:THR:HA	3	0.57
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	12	0.57
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	12	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	12	0.57
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	12	0.57
(1,2405)	1:45:A:THR:HA	1:48:A:ASN:HB2	9	0.57
(1,2405)	1:45:A:THR:HA	1:48:A:ASN:HB3	9	0.57
(1,2395)	1:24:A:ARG:HB2	1:20:A:LEU:HD11	12	0.57
(1,2395)	1:24:A:ARG:HB2	1:20:A:LEU:HD12	12	0.57
(1,2395)	1:24:A:ARG:HB2	1:20:A:LEU:HD13	12	0.57
(1,2391)	1:22:A:PRO:HG2	1:24:A:ARG:H	2	0.57
(1,2391)	1:22:A:PRO:HG3	1:24:A:ARG:H	2	0.57
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	6	0.57
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	6	0.57
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	6	0.57
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	6	0.57
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	6	0.57
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	6	0.57
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG21	8	0.57
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG22	8	0.57
(1,2366)	1:78:A:LEU:HG	1:72:A:THR:HG23	8	0.57
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD11	8	0.57
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD12	8	0.57
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD13	8	0.57
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	1	0.57
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	1	0.57
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	1	0.57
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	1	0.57
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	1	0.57
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	1	0.57
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	1	0.57
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	1	0.57
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	1	0.57
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	1	0.57
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	1	0.57
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	1	0.57
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	3	0.57
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	3	0.57
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	3	0.57
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	3	0.57
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	3	0.57
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	3	0.57
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	3	0.57
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	3	0.57
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	3	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	3	0.57
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	3	0.57
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	3	0.57
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	10	0.57
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	10	0.57
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	10	0.57
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	10	0.57
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	10	0.57
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	10	0.57
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	4	0.57
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	4	0.57
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	4	0.57
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	4	0.57
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	4	0.57
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	4	0.57
(1,2300)	1:49:A:GLU:H	1:51:A:THR:HA	3	0.57
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	12	0.57
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	12	0.57
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	12	0.57
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	12	0.57
(1,2281)	1:45:A:THR:HA	1:48:A:ASN:HB2	9	0.57
(1,2281)	1:45:A:THR:HA	1:48:A:ASN:HB3	9	0.57
(1,2271)	1:24:A:ARG:HB2	1:20:A:LEU:HD11	12	0.57
(1,2271)	1:24:A:ARG:HB2	1:20:A:LEU:HD12	12	0.57
(1,2271)	1:24:A:ARG:HB2	1:20:A:LEU:HD13	12	0.57
(1,2267)	1:22:A:PRO:HG2	1:24:A:ARG:H	2	0.57
(1,2267)	1:22:A:PRO:HG3	1:24:A:ARG:H	2	0.57
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	6	0.57
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	6	0.57
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	6	0.57
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	6	0.57
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	6	0.57
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	6	0.57
(1,2240)	1:103:A:GLU:H	1:102:A:LEU:HA	14	0.57
(1,2235)	1:102:A:LEU:H	1:100:A:ASP:HA	7	0.57
(1,2227)	1:101:A:PRO:HG2	1:100:A:ASP:HA	9	0.57
(1,2227)	1:101:A:PRO:HG3	1:100:A:ASP:HA	9	0.57
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB1	8	0.57
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB2	8	0.57
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB3	8	0.57
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG21	9	0.57
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG22	9	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG23	9	0.57
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB1	3	0.57
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB2	3	0.57
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB3	3	0.57
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB1	6	0.57
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB2	6	0.57
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB3	6	0.57
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB1	6	0.57
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB2	6	0.57
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB3	6	0.57
(1,2151)	1:91:A:SER:HB2	1:92:A:MET:HG3	9	0.57
(1,2151)	1:91:A:SER:HB3	1:92:A:MET:HG3	9	0.57
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE1	12	0.57
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE2	12	0.57
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE3	12	0.57
(1,2069)	1:82:A:MET:HG3	1:83:A:ASP:H	13	0.57
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD11	11	0.57
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD12	11	0.57
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD13	11	0.57
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD11	11	0.57
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD12	11	0.57
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD13	11	0.57
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD21	11	0.57
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD22	11	0.57
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD23	11	0.57
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD21	6	0.57
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD22	6	0.57
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD23	6	0.57
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD21	8	0.57
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD22	8	0.57
(1,2008)	1:75:A:THR:H	1:74:A:LEU:HD23	8	0.57
(1,1993)	1:73:A:ASN:HA	1:72:A:THR:HA	8	0.57
(1,1986)	1:73:A:ASN:H	1:72:A:THR:HB	3	0.57
(1,1956)	1:68:A:LYS:HB2	1:69:A:ALA:H	4	0.57
(1,1956)	1:68:A:LYS:HB3	1:69:A:ALA:H	4	0.57
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE2	13	0.57
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE3	13	0.57
(1,1907)	1:64:A:LYS:H	1:60:A:GLN:HA	15	0.57
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD11	10	0.57
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD12	10	0.57
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD13	10	0.57
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG2	3	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG3	3	0.57
(1,1846)	1:51:A:THR:HA	1:53:A:GLU:H	3	0.57
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG21	5	0.57
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG22	5	0.57
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG23	5	0.57
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB1	4	0.57
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB2	4	0.57
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB3	4	0.57
(1,1782)	1:40:A:ARG:HG3	1:44:A:THR:HB	5	0.57
(1,1775)	1:39:A:LEU:H	1:36:A:ILE:HA	3	0.57
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG11	2	0.57
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG12	2	0.57
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG13	2	0.57
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG11	8	0.57
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG12	8	0.57
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG13	8	0.57
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG21	9	0.57
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG22	9	0.57
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG23	9	0.57
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG11	1	0.57
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG12	1	0.57
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG13	1	0.57
(1,1658)	1:14:A:ILE:HB	1:15:A:ILE:H	12	0.57
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG21	2	0.57
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG22	2	0.57
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG23	2	0.57
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG21	2	0.57
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG22	2	0.57
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG23	2	0.57
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG21	4	0.57
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG22	4	0.57
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG23	4	0.57
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG21	4	0.57
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG22	4	0.57
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG23	4	0.57
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG21	8	0.57
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG22	8	0.57
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG23	8	0.57
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG21	8	0.57
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG22	8	0.57
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG23	8	0.57
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG21	9	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG22	9	0.57
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG23	9	0.57
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG21	9	0.57
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG22	9	0.57
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG23	9	0.57
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG21	10	0.57
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG22	10	0.57
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG23	10	0.57
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG21	10	0.57
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG22	10	0.57
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG23	10	0.57
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG21	14	0.57
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG22	14	0.57
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG23	14	0.57
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG21	14	0.57
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG22	14	0.57
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG23	14	0.57
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG21	9	0.57
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG22	9	0.57
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG23	9	0.57
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG21	9	0.57
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG22	9	0.57
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG23	9	0.57
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG21	10	0.57
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG22	10	0.57
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG23	10	0.57
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG21	10	0.57
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG22	10	0.57
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG23	10	0.57
(1,1542)	1:1:A:MET:HE1	1:2:A:PHE:H	7	0.57
(1,1542)	1:1:A:MET:HE2	1:2:A:PHE:H	7	0.57
(1,1542)	1:1:A:MET:HE3	1:2:A:PHE:H	7	0.57
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG21	14	0.57
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG22	14	0.57
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG23	14	0.57
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG21	14	0.57
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG22	14	0.57
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG23	14	0.57
(1,1529)	1:96:A:TYR:HB2	1:95:A:SER:H	10	0.57
(1,1529)	1:96:A:TYR:HB3	1:95:A:SER:H	10	0.57
(1,1468)	1:73:A:ASN:H	1:70:A:SER:HA	6	0.57
(1,1440)	1:59:A:PHE:HD1	1:63:A:LEU:HD21	10	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1440)	1:59:A:PHE:HD1	1:63:A:LEU:HD22	10	0.57
(1,1440)	1:59:A:PHE:HD1	1:63:A:LEU:HD23	10	0.57
(1,1440)	1:59:A:PHE:HD2	1:63:A:LEU:HD21	10	0.57
(1,1440)	1:59:A:PHE:HD2	1:63:A:LEU:HD22	10	0.57
(1,1440)	1:59:A:PHE:HD2	1:63:A:LEU:HD23	10	0.57
(1,1440)	1:59:A:PHE:HD1	1:63:A:LEU:HD11	10	0.57
(1,1440)	1:59:A:PHE:HD1	1:63:A:LEU:HD12	10	0.57
(1,1440)	1:59:A:PHE:HD1	1:63:A:LEU:HD13	10	0.57
(1,1440)	1:59:A:PHE:HD2	1:63:A:LEU:HD11	10	0.57
(1,1440)	1:59:A:PHE:HD2	1:63:A:LEU:HD12	10	0.57
(1,1440)	1:59:A:PHE:HD2	1:63:A:LEU:HD13	10	0.57
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD11	8	0.57
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD12	8	0.57
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD13	8	0.57
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD21	8	0.57
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD22	8	0.57
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD23	8	0.57
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD11	13	0.57
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD12	13	0.57
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD13	13	0.57
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD21	13	0.57
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD22	13	0.57
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD23	13	0.57
(1,1362)	1:35:A:TRP:HZ3	1:36:A:ILE:HG13	11	0.57
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG11	3	0.57
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG12	3	0.57
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG13	3	0.57
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG11	7	0.57
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG12	7	0.57
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG13	7	0.57
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG11	10	0.57
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG12	10	0.57
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG13	10	0.57
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG21	2	0.57
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG22	2	0.57
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG23	2	0.57
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG21	3	0.57
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG22	3	0.57
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG23	3	0.57
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG21	9	0.57
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG22	9	0.57
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG23	9	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG21	11	0.57
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG22	11	0.57
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG23	11	0.57
(1,1324)	1:27:A:VAL:HB	1:24:A:ARG:HA	2	0.57
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD11	3	0.57
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD12	3	0.57
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD13	3	0.57
(1,1243)	1:2:A:PHE:HB3	1:3:A:ASP:H	14	0.57
(1,1243)	1:2:A:PHE:HB2	1:3:A:ASP:H	14	0.57
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG21	5	0.57
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG22	5	0.57
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG23	5	0.57
(1,906)	1:71:A:LEU:HG	1:72:A:THR:H	2	0.57
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	12	0.56
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	12	0.56
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	12	0.56
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	12	0.56
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	12	0.56
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	12	0.56
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	14	0.56
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	14	0.56
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	14	0.56
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	14	0.56
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	14	0.56
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	14	0.56
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	14	0.56
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	14	0.56
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	14	0.56
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	14	0.56
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	14	0.56
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	14	0.56
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	15	0.56
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	15	0.56
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	15	0.56
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	15	0.56
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	15	0.56
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	15	0.56
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	15	0.56
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	15	0.56
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	15	0.56
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	15	0.56
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	15	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	15	0.56
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	6	0.56
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	6	0.56
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	6	0.56
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	6	0.56
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	6	0.56
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	6	0.56
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	6	0.56
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	6	0.56
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	6	0.56
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	6	0.56
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	6	0.56
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	6	0.56
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	13	0.56
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	13	0.56
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	13	0.56
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	13	0.56
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	13	0.56
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	13	0.56
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	13	0.56
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	13	0.56
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	13	0.56
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	13	0.56
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	13	0.56
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	13	0.56
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD21	2	0.56
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD22	2	0.56
(1,2816)	1:54:A:LEU:H	1:50:A:LEU:HD23	2	0.56
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	3	0.56
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	3	0.56
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	3	0.56
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	3	0.56
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	3	0.56
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	3	0.56
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	6	0.56
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	6	0.56
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	6	0.56
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	6	0.56
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	6	0.56
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	6	0.56
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB2	13	0.56
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB3	13	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB2	9	0.56
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB3	9	0.56
(1,2793)	1:49:A:GLU:H	1:44:A:THR:HA	14	0.56
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	1	0.56
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	1	0.56
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	1	0.56
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	1	0.56
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	5	0.56
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	5	0.56
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	5	0.56
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	5	0.56
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	13	0.56
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	13	0.56
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	13	0.56
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	13	0.56
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	14	0.56
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	14	0.56
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	14	0.56
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	14	0.56
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD21	5	0.56
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD22	5	0.56
(1,2780)	1:45:A:THR:H	1:50:A:LEU:HD23	5	0.56
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	12	0.56
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	12	0.56
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	12	0.56
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	12	0.56
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	12	0.56
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	12	0.56
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	14	0.56
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	14	0.56
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	14	0.56
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	14	0.56
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	14	0.56
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	14	0.56
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	14	0.56
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	14	0.56
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	14	0.56
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	14	0.56
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	14	0.56
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	14	0.56
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	15	0.56
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	15	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	15	0.56
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	15	0.56
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	15	0.56
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	15	0.56
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	15	0.56
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	15	0.56
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	15	0.56
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	15	0.56
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	15	0.56
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	15	0.56
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	6	0.56
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	6	0.56
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	6	0.56
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	6	0.56
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	6	0.56
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	6	0.56
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	6	0.56
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	6	0.56
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	6	0.56
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	6	0.56
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	6	0.56
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	6	0.56
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	13	0.56
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	13	0.56
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	13	0.56
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	13	0.56
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	13	0.56
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	13	0.56
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	13	0.56
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	13	0.56
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	13	0.56
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	13	0.56
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	13	0.56
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	13	0.56
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD21	2	0.56
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD22	2	0.56
(1,2692)	1:54:A:LEU:H	1:50:A:LEU:HD23	2	0.56
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	3	0.56
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	3	0.56
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	3	0.56
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	3	0.56
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	3	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	3	0.56
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	6	0.56
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	6	0.56
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	6	0.56
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	6	0.56
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	6	0.56
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	6	0.56
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB2	13	0.56
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB3	13	0.56
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB2	9	0.56
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB3	9	0.56
(1,2669)	1:49:A:GLU:H	1:44:A:THR:HA	14	0.56
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	1	0.56
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	1	0.56
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	1	0.56
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	1	0.56
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	5	0.56
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	5	0.56
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	5	0.56
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	5	0.56
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	13	0.56
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	13	0.56
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	13	0.56
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	13	0.56
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	14	0.56
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	14	0.56
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	14	0.56
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	14	0.56
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD21	5	0.56
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD22	5	0.56
(1,2656)	1:45:A:THR:H	1:50:A:LEU:HD23	5	0.56
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	12	0.56
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	12	0.56
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	12	0.56
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	12	0.56
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	12	0.56
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	12	0.56
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	14	0.56
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	14	0.56
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	14	0.56
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	14	0.56
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	14	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	14	0.56
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	14	0.56
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	14	0.56
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	14	0.56
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	14	0.56
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	14	0.56
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	14	0.56
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	15	0.56
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	15	0.56
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	15	0.56
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	15	0.56
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	15	0.56
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	15	0.56
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	15	0.56
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	15	0.56
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	15	0.56
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	15	0.56
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	15	0.56
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	15	0.56
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	6	0.56
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	6	0.56
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	6	0.56
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	6	0.56
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	6	0.56
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	6	0.56
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	6	0.56
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	6	0.56
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	6	0.56
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	6	0.56
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	6	0.56
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	6	0.56
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	13	0.56
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	13	0.56
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	13	0.56
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	13	0.56
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	13	0.56
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	13	0.56
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	13	0.56
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	13	0.56
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	13	0.56
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	13	0.56
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	13	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	13	0.56
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD21	2	0.56
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD22	2	0.56
(1,2568)	1:54:A:LEU:H	1:50:A:LEU:HD23	2	0.56
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	3	0.56
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	3	0.56
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	3	0.56
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	3	0.56
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	3	0.56
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	3	0.56
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	6	0.56
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	6	0.56
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	6	0.56
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	6	0.56
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	6	0.56
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	6	0.56
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB2	13	0.56
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB3	13	0.56
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB2	9	0.56
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB3	9	0.56
(1,2545)	1:49:A:GLU:H	1:44:A:THR:HA	14	0.56
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	1	0.56
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	1	0.56
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	1	0.56
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	1	0.56
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	5	0.56
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	5	0.56
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	5	0.56
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	5	0.56
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	13	0.56
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	13	0.56
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	13	0.56
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	13	0.56
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	14	0.56
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	14	0.56
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	14	0.56
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	14	0.56
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD21	5	0.56
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD22	5	0.56
(1,2532)	1:45:A:THR:H	1:50:A:LEU:HD23	5	0.56
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	12	0.56
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	12	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	12	0.56
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	12	0.56
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	12	0.56
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	12	0.56
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	14	0.56
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	14	0.56
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	14	0.56
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	14	0.56
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	14	0.56
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	14	0.56
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	14	0.56
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	14	0.56
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	14	0.56
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	14	0.56
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	14	0.56
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	14	0.56
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	15	0.56
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	15	0.56
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	15	0.56
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	15	0.56
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	15	0.56
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	15	0.56
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	15	0.56
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	15	0.56
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	15	0.56
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	15	0.56
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	15	0.56
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	15	0.56
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	6	0.56
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	6	0.56
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	6	0.56
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	6	0.56
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	6	0.56
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	6	0.56
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	6	0.56
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	6	0.56
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	6	0.56
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	6	0.56
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	6	0.56
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	6	0.56
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	13	0.56
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	13	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	13	0.56
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	13	0.56
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	13	0.56
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	13	0.56
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	13	0.56
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	13	0.56
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	13	0.56
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	13	0.56
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	13	0.56
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	13	0.56
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD21	2	0.56
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD22	2	0.56
(1,2444)	1:54:A:LEU:H	1:50:A:LEU:HD23	2	0.56
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	3	0.56
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	3	0.56
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	3	0.56
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	3	0.56
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	3	0.56
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	3	0.56
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	6	0.56
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	6	0.56
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	6	0.56
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	6	0.56
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	6	0.56
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	6	0.56
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB2	13	0.56
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB3	13	0.56
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB2	9	0.56
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB3	9	0.56
(1,2421)	1:49:A:GLU:H	1:44:A:THR:HA	14	0.56
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	1	0.56
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	1	0.56
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	1	0.56
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	1	0.56
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	5	0.56
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	5	0.56
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	5	0.56
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	5	0.56
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	13	0.56
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	13	0.56
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	13	0.56
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	13	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	14	0.56
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	14	0.56
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	14	0.56
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	14	0.56
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD21	5	0.56
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD22	5	0.56
(1,2408)	1:45:A:THR:H	1:50:A:LEU:HD23	5	0.56
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	12	0.56
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	12	0.56
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	12	0.56
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	12	0.56
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	12	0.56
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	12	0.56
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	14	0.56
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	14	0.56
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	14	0.56
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	14	0.56
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	14	0.56
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	14	0.56
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	14	0.56
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	14	0.56
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	14	0.56
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	14	0.56
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	14	0.56
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	14	0.56
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	15	0.56
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	15	0.56
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	15	0.56
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	15	0.56
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	15	0.56
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	15	0.56
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	15	0.56
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	15	0.56
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	15	0.56
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	15	0.56
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	15	0.56
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	15	0.56
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	6	0.56
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	6	0.56
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	6	0.56
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	6	0.56
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	6	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	6	0.56
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	6	0.56
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	6	0.56
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	6	0.56
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	6	0.56
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	6	0.56
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	6	0.56
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	13	0.56
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	13	0.56
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	13	0.56
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	13	0.56
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	13	0.56
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	13	0.56
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	13	0.56
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	13	0.56
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	13	0.56
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	13	0.56
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	13	0.56
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	13	0.56
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD21	2	0.56
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD22	2	0.56
(1,2320)	1:54:A:LEU:H	1:50:A:LEU:HD23	2	0.56
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	3	0.56
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	3	0.56
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	3	0.56
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	3	0.56
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	3	0.56
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	3	0.56
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	6	0.56
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	6	0.56
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	6	0.56
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	6	0.56
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	6	0.56
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	6	0.56
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB2	13	0.56
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB3	13	0.56
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB2	9	0.56
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB3	9	0.56
(1,2297)	1:49:A:GLU:H	1:44:A:THR:HA	14	0.56
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	1	0.56
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	1	0.56
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	1	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	1	0.56
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	5	0.56
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	5	0.56
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	5	0.56
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	5	0.56
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	13	0.56
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	13	0.56
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	13	0.56
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	13	0.56
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	14	0.56
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	14	0.56
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	14	0.56
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	14	0.56
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD21	5	0.56
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD22	5	0.56
(1,2284)	1:45:A:THR:H	1:50:A:LEU:HD23	5	0.56
(1,2243)	1:103:A:GLU:H	1:102:A:LEU:HB3	3	0.56
(1,2213)	1:98:A:ALA:H	1:97:A:VAL:HB	9	0.56
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB1	2	0.56
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB2	2	0.56
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB3	2	0.56
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB1	2	0.56
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB2	2	0.56
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB3	2	0.56
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB1	8	0.56
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB2	8	0.56
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB3	8	0.56
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB1	8	0.56
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB2	8	0.56
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB3	8	0.56
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB2	15	0.56
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB3	15	0.56
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB2	15	0.56
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB3	15	0.56
(1,2169)	1:94:A:ARG:H	1:93:A:LYS:HG2	11	0.56
(1,2169)	1:94:A:ARG:H	1:93:A:LYS:HG2	13	0.56
(1,2169)	1:94:A:ARG:H	1:93:A:LYS:HG2	15	0.56
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE1	15	0.56
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE2	15	0.56
(1,2140)	1:89:A:ALA:H	1:92:A:MET:HE3	15	0.56
(1,2119)	1:86:A:ARG:HG3	1:87:A:GLN:H	12	0.56
(1,2119)	1:86:A:ARG:HG2	1:87:A:GLN:H	12	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2114)	1:86:A:ARG:HB2	1:83:A:ASP:HA	7	0.56
(1,2098)	1:84:A:GLU:HG3	1:83:A:ASP:H	7	0.56
(1,2098)	1:84:A:GLU:HG2	1:83:A:ASP:H	7	0.56
(1,2097)	1:84:A:GLU:HA	1:83:A:ASP:HB3	10	0.56
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD11	13	0.56
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD12	13	0.56
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD13	13	0.56
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD11	13	0.56
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD12	13	0.56
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD13	13	0.56
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD21	13	0.56
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD22	13	0.56
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD23	13	0.56
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD11	14	0.56
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD12	14	0.56
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD13	14	0.56
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD11	14	0.56
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD12	14	0.56
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD13	14	0.56
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD21	14	0.56
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD22	14	0.56
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD23	14	0.56
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB2	4	0.56
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB3	4	0.56
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB2	14	0.56
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB3	14	0.56
(1,1993)	1:73:A:ASN:HA	1:72:A:THR:HA	3	0.56
(1,1993)	1:73:A:ASN:HA	1:72:A:THR:HA	4	0.56
(1,1993)	1:73:A:ASN:HA	1:72:A:THR:HA	9	0.56
(1,1993)	1:73:A:ASN:HA	1:72:A:THR:HA	13	0.56
(1,1993)	1:73:A:ASN:HA	1:72:A:THR:HA	14	0.56
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB3	2	0.56
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB2	2	0.56
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB3	10	0.56
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB2	10	0.56
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB3	12	0.56
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB2	12	0.56
(1,1956)	1:68:A:LYS:HB2	1:69:A:ALA:H	9	0.56
(1,1956)	1:68:A:LYS:HB3	1:69:A:ALA:H	9	0.56
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE2	11	0.56
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE3	11	0.56
(1,1897)	1:63:A:LEU:HG	1:60:A:GLN:HA	9	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1882)	1:61:A:ASP:H	1:60:A:GLN:HB2	5	0.56
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD11	10	0.56
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD12	10	0.56
(1,1876)	1:60:A:GLN:H	1:63:A:LEU:HD13	10	0.56
(1,1860)	1:54:A:LEU:HG	1:55:A:LYS:H	14	0.56
(1,1837)	1:49:A:GLU:H	1:48:A:ASN:HA	9	0.56
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG11	7	0.56
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG12	7	0.56
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG13	7	0.56
(1,1675)	1:16:A:GLY:H	1:18:A:VAL:H	9	0.56
(1,1671)	1:15:A:ILE:HA	1:19:A:VAL:H	12	0.56
(1,1655)	1:14:A:ILE:HG12	1:13:A:PHE:HD1	9	0.56
(1,1655)	1:14:A:ILE:HG12	1:13:A:PHE:HD2	9	0.56
(1,1655)	1:14:A:ILE:HG13	1:13:A:PHE:HD1	9	0.56
(1,1655)	1:14:A:ILE:HG13	1:13:A:PHE:HD2	9	0.56
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG21	1	0.56
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG22	1	0.56
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG23	1	0.56
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG21	1	0.56
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG22	1	0.56
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG23	1	0.56
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG11	6	0.56
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG12	6	0.56
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG13	6	0.56
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG21	6	0.56
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG22	6	0.56
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG23	6	0.56
(1,1590)	1:6:A:PHE:HB3	1:5:A:GLY:HA3	7	0.56
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG21	2	0.56
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG22	2	0.56
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG23	2	0.56
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG21	2	0.56
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG22	2	0.56
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG23	2	0.56
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG21	3	0.56
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG22	3	0.56
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG23	3	0.56
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG21	3	0.56
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG22	3	0.56
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG23	3	0.56
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG21	4	0.56
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG22	4	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG23	4	0.56
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG21	4	0.56
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG22	4	0.56
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG23	4	0.56
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG21	6	0.56
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG22	6	0.56
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG23	6	0.56
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG21	6	0.56
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG22	6	0.56
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG23	6	0.56
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG21	14	0.56
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG22	14	0.56
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG23	14	0.56
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG21	14	0.56
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG22	14	0.56
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG23	14	0.56
(1,1529)	1:96:A:TYR:HB2	1:95:A:SER:H	5	0.56
(1,1529)	1:96:A:TYR:HB3	1:95:A:SER:H	5	0.56
(1,1431)	1:56:A:LEU:H	1:54:A:LEU:H	1	0.56
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD11	1	0.56
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD12	1	0.56
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD13	1	0.56
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD21	1	0.56
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD22	1	0.56
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD23	1	0.56
(1,1424)	1:48:A:ASN:H	1:49:A:GLU:HB2	1	0.56
(1,1424)	1:48:A:ASN:H	1:49:A:GLU:HB2	14	0.56
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG2	1	0.56
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG3	1	0.56
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG11	6	0.56
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG12	6	0.56
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG13	6	0.56
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG11	9	0.56
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG12	9	0.56
(1,1354)	1:35:A:TRP:HH2	1:32:A:VAL:HG13	9	0.56
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG21	6	0.56
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG22	6	0.56
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG23	6	0.56
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG21	12	0.56
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG22	12	0.56
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG23	12	0.56
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG12	13	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1291)	1:17:A:LEU:H	1:14:A:ILE:HG13	13	0.56
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD11	8	0.56
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD12	8	0.56
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD13	8	0.56
(1,932)	1:9:A:LEU:HD11	1:13:A:PHE:HE1	7	0.56
(1,932)	1:9:A:LEU:HD11	1:13:A:PHE:HE2	7	0.56
(1,932)	1:9:A:LEU:HD12	1:13:A:PHE:HE1	7	0.56
(1,932)	1:9:A:LEU:HD12	1:13:A:PHE:HE2	7	0.56
(1,932)	1:9:A:LEU:HD13	1:13:A:PHE:HE1	7	0.56
(1,932)	1:9:A:LEU:HD13	1:13:A:PHE:HE2	7	0.56
(1,932)	1:9:A:LEU:HD21	1:13:A:PHE:HE1	7	0.56
(1,932)	1:9:A:LEU:HD21	1:13:A:PHE:HE2	7	0.56
(1,932)	1:9:A:LEU:HD22	1:13:A:PHE:HE1	7	0.56
(1,932)	1:9:A:LEU:HD22	1:13:A:PHE:HE2	7	0.56
(1,932)	1:9:A:LEU:HD23	1:13:A:PHE:HE1	7	0.56
(1,932)	1:9:A:LEU:HD23	1:13:A:PHE:HE2	7	0.56
(1,863)	1:103:A:GLU:H	1:100:A:ASP:H	8	0.56
(4,126)	1:31:A:THR:O	1:35:A:TRP:N	1	0.55
(4,126)	1:31:A:THR:O	1:35:A:TRP:N	2	0.55
(4,126)	1:31:A:THR:O	1:35:A:TRP:N	7	0.55
(4,126)	1:31:A:THR:O	1:35:A:TRP:N	11	0.55
(2,241)	1:74:A:LEU:H	1:70:A:SER:HB3	5	0.55
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG21	7	0.55
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG22	7	0.55
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG23	7	0.55
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG21	15	0.55
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG22	15	0.55
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG23	15	0.55
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	7	0.55
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	7	0.55
(1,2814)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	7	0.55
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	7	0.55
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	7	0.55
(1,2814)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	7	0.55
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB2	1	0.55
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB3	1	0.55
(1,2783)	1:48:A:ASN:HB2	1:45:A:THR:HG21	2	0.55
(1,2783)	1:48:A:ASN:HB2	1:45:A:THR:HG22	2	0.55
(1,2783)	1:48:A:ASN:HB2	1:45:A:THR:HG23	2	0.55
(1,2783)	1:48:A:ASN:HB3	1:45:A:THR:HG21	2	0.55
(1,2783)	1:48:A:ASN:HB3	1:45:A:THR:HG22	2	0.55
(1,2783)	1:48:A:ASN:HB3	1:45:A:THR:HG23	2	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2778)	1:45:A:THR:HA	1:49:A:GLU:H	4	0.55
(1,2778)	1:45:A:THR:HA	1:49:A:GLU:H	9	0.55
(1,2763)	1:22:A:PRO:HG2	1:24:A:ARG:H	12	0.55
(1,2763)	1:22:A:PRO:HG3	1:24:A:ARG:H	12	0.55
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG21	7	0.55
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG22	7	0.55
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG23	7	0.55
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG21	15	0.55
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG22	15	0.55
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG23	15	0.55
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	7	0.55
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	7	0.55
(1,2690)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	7	0.55
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	7	0.55
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	7	0.55
(1,2690)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	7	0.55
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB2	1	0.55
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB3	1	0.55
(1,2659)	1:48:A:ASN:HB2	1:45:A:THR:HG21	2	0.55
(1,2659)	1:48:A:ASN:HB2	1:45:A:THR:HG22	2	0.55
(1,2659)	1:48:A:ASN:HB2	1:45:A:THR:HG23	2	0.55
(1,2659)	1:48:A:ASN:HB3	1:45:A:THR:HG21	2	0.55
(1,2659)	1:48:A:ASN:HB3	1:45:A:THR:HG22	2	0.55
(1,2659)	1:48:A:ASN:HB3	1:45:A:THR:HG23	2	0.55
(1,2654)	1:45:A:THR:HA	1:49:A:GLU:H	4	0.55
(1,2654)	1:45:A:THR:HA	1:49:A:GLU:H	9	0.55
(1,2639)	1:22:A:PRO:HG2	1:24:A:ARG:H	12	0.55
(1,2639)	1:22:A:PRO:HG3	1:24:A:ARG:H	12	0.55
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG21	7	0.55
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG22	7	0.55
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG23	7	0.55
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG21	15	0.55
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG22	15	0.55
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG23	15	0.55
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	7	0.55
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	7	0.55
(1,2566)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	7	0.55
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	7	0.55
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	7	0.55
(1,2566)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	7	0.55
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB2	1	0.55
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB3	1	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2535)	1:48:A:ASN:HB2	1:45:A:THR:HG21	2	0.55
(1,2535)	1:48:A:ASN:HB2	1:45:A:THR:HG22	2	0.55
(1,2535)	1:48:A:ASN:HB2	1:45:A:THR:HG23	2	0.55
(1,2535)	1:48:A:ASN:HB3	1:45:A:THR:HG21	2	0.55
(1,2535)	1:48:A:ASN:HB3	1:45:A:THR:HG22	2	0.55
(1,2535)	1:48:A:ASN:HB3	1:45:A:THR:HG23	2	0.55
(1,2530)	1:45:A:THR:HA	1:49:A:GLU:H	4	0.55
(1,2530)	1:45:A:THR:HA	1:49:A:GLU:H	9	0.55
(1,2515)	1:22:A:PRO:HG2	1:24:A:ARG:H	12	0.55
(1,2515)	1:22:A:PRO:HG3	1:24:A:ARG:H	12	0.55
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG21	7	0.55
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG22	7	0.55
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG23	7	0.55
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG21	15	0.55
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG22	15	0.55
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG23	15	0.55
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	7	0.55
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	7	0.55
(1,2442)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	7	0.55
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	7	0.55
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	7	0.55
(1,2442)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	7	0.55
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB2	1	0.55
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB3	1	0.55
(1,2411)	1:48:A:ASN:HB2	1:45:A:THR:HG21	2	0.55
(1,2411)	1:48:A:ASN:HB2	1:45:A:THR:HG22	2	0.55
(1,2411)	1:48:A:ASN:HB2	1:45:A:THR:HG23	2	0.55
(1,2411)	1:48:A:ASN:HB3	1:45:A:THR:HG21	2	0.55
(1,2411)	1:48:A:ASN:HB3	1:45:A:THR:HG22	2	0.55
(1,2411)	1:48:A:ASN:HB3	1:45:A:THR:HG23	2	0.55
(1,2406)	1:45:A:THR:HA	1:49:A:GLU:H	4	0.55
(1,2406)	1:45:A:THR:HA	1:49:A:GLU:H	9	0.55
(1,2391)	1:22:A:PRO:HG2	1:24:A:ARG:H	12	0.55
(1,2391)	1:22:A:PRO:HG3	1:24:A:ARG:H	12	0.55
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG21	7	0.55
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG22	7	0.55
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG23	7	0.55
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG21	15	0.55
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG22	15	0.55
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG23	15	0.55
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	7	0.55
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	7	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2318)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	7	0.55
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	7	0.55
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	7	0.55
(1,2318)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	7	0.55
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB2	1	0.55
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB3	1	0.55
(1,2287)	1:48:A:ASN:HB2	1:45:A:THR:HG21	2	0.55
(1,2287)	1:48:A:ASN:HB2	1:45:A:THR:HG22	2	0.55
(1,2287)	1:48:A:ASN:HB2	1:45:A:THR:HG23	2	0.55
(1,2287)	1:48:A:ASN:HB3	1:45:A:THR:HG21	2	0.55
(1,2287)	1:48:A:ASN:HB3	1:45:A:THR:HG22	2	0.55
(1,2287)	1:48:A:ASN:HB3	1:45:A:THR:HG23	2	0.55
(1,2282)	1:45:A:THR:HA	1:49:A:GLU:H	4	0.55
(1,2282)	1:45:A:THR:HA	1:49:A:GLU:H	9	0.55
(1,2267)	1:22:A:PRO:HG2	1:24:A:ARG:H	12	0.55
(1,2267)	1:22:A:PRO:HG3	1:24:A:ARG:H	12	0.55
(1,2222)	1:99:A:ASN:HB3	1:100:A:ASP:H	6	0.55
(1,2222)	1:99:A:ASN:HB2	1:100:A:ASP:H	6	0.55
(1,2219)	1:99:A:ASN:HB3	1:98:A:ALA:HB1	9	0.55
(1,2219)	1:99:A:ASN:HB3	1:98:A:ALA:HB2	9	0.55
(1,2219)	1:99:A:ASN:HB3	1:98:A:ALA:HB3	9	0.55
(1,2219)	1:99:A:ASN:HB2	1:98:A:ALA:HB1	9	0.55
(1,2219)	1:99:A:ASN:HB2	1:98:A:ALA:HB2	9	0.55
(1,2219)	1:99:A:ASN:HB2	1:98:A:ALA:HB3	9	0.55
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB1	3	0.55
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB2	3	0.55
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB3	3	0.55
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB1	2	0.55
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB2	2	0.55
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB3	2	0.55
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE1	10	0.55
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE2	10	0.55
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE3	10	0.55
(1,2119)	1:86:A:ARG:HG3	1:87:A:GLN:H	8	0.55
(1,2119)	1:86:A:ARG:HG2	1:87:A:GLN:H	8	0.55
(1,2116)	1:86:A:ARG:HB3	1:83:A:ASP:HA	14	0.55
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD11	4	0.55
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD12	4	0.55
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD13	4	0.55
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD11	4	0.55
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD12	4	0.55
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD13	4	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD21	4	0.55
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD22	4	0.55
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD23	4	0.55
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD11	5	0.55
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD12	5	0.55
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD13	5	0.55
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD11	5	0.55
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD12	5	0.55
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD13	5	0.55
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD21	5	0.55
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD22	5	0.55
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD23	5	0.55
(1,1993)	1:73:A:ASN:HA	1:72:A:THR:HA	1	0.55
(1,1993)	1:73:A:ASN:HA	1:72:A:THR:HA	2	0.55
(1,1993)	1:73:A:ASN:HA	1:72:A:THR:HA	5	0.55
(1,1993)	1:73:A:ASN:HA	1:72:A:THR:HA	7	0.55
(1,1993)	1:73:A:ASN:HA	1:72:A:THR:HA	10	0.55
(1,1993)	1:73:A:ASN:HA	1:72:A:THR:HA	11	0.55
(1,1993)	1:73:A:ASN:HA	1:72:A:THR:HA	12	0.55
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB3	1	0.55
(1,1973)	1:71:A:LEU:H	1:70:A:SER:HB2	1	0.55
(1,1958)	1:69:A:ALA:H	1:65:A:LYS:HE2	13	0.55
(1,1958)	1:69:A:ALA:H	1:65:A:LYS:HE3	13	0.55
(1,1956)	1:68:A:LYS:HB2	1:69:A:ALA:H	10	0.55
(1,1956)	1:68:A:LYS:HB3	1:69:A:ALA:H	10	0.55
(1,1907)	1:64:A:LYS:H	1:60:A:GLN:HA	8	0.55
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG2	4	0.55
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG3	4	0.55
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG21	3	0.55
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG22	3	0.55
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG23	3	0.55
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG21	5	0.55
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG22	5	0.55
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG23	5	0.55
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG21	5	0.55
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG22	5	0.55
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG23	5	0.55
(1,1769)	1:37:A:ARG:HA	1:41:A:SER:H	2	0.55
(1,1769)	1:37:A:ARG:HA	1:41:A:SER:H	11	0.55
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB1	12	0.55
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB2	12	0.55
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB3	12	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG11	12	0.55
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG12	12	0.55
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG13	12	0.55
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG21	12	0.55
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG22	12	0.55
(1,1716)	1:26:A:PRO:HA	1:29:A:VAL:HG23	12	0.55
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG11	4	0.55
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG12	4	0.55
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG13	4	0.55
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG11	9	0.55
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG12	9	0.55
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG13	9	0.55
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG11	10	0.55
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG12	10	0.55
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG13	10	0.55
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG11	11	0.55
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG12	11	0.55
(1,1669)	1:15:A:ILE:HA	1:18:A:VAL:HG13	11	0.55
(1,1621)	1:10:A:LEU:H	1:9:A:LEU:H	3	0.55
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG21	1	0.55
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG22	1	0.55
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG23	1	0.55
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG21	1	0.55
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG22	1	0.55
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG23	1	0.55
(1,1584)	1:4:A:ILE:HD11	1:8:A:GLU:HB2	11	0.55
(1,1584)	1:4:A:ILE:HD12	1:8:A:GLU:HB2	11	0.55
(1,1584)	1:4:A:ILE:HD13	1:8:A:GLU:HB2	11	0.55
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG11	6	0.55
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG12	6	0.55
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG13	6	0.55
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG21	6	0.55
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG22	6	0.55
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG23	6	0.55
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG21	6	0.55
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG22	6	0.55
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG23	6	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD11	3	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD12	3	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD13	3	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD21	3	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD22	3	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD23	3	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD11	5	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD12	5	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD13	5	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD21	5	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD22	5	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD23	5	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD11	8	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD12	8	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD13	8	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD21	8	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD22	8	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD23	8	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD11	11	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD12	11	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD13	11	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD21	11	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD22	11	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD23	11	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD11	12	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD12	12	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD13	12	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD21	12	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD22	12	0.55
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD23	12	0.55
(1,1450)	1:66:A:VAL:HA	1:70:A:SER:H	8	0.55
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB1	2	0.55
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB2	2	0.55
(1,1377)	1:39:A:LEU:HB2	1:43:A:ALA:HB3	2	0.55
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB1	2	0.55
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB2	2	0.55
(1,1377)	1:39:A:LEU:HB3	1:43:A:ALA:HB3	2	0.55
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG21	14	0.55
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG22	14	0.55
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG23	14	0.55
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG11	1	0.55
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG12	1	0.55
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG13	1	0.55
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG21	1	0.55
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG22	1	0.55
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG23	1	0.55
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG21	10	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG22	10	0.55
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG23	10	0.55
(4,126)	1:31:A:THR:O	1:35:A:TRP:N	3	0.54
(4,126)	1:31:A:THR:O	1:35:A:TRP:N	6	0.54
(4,126)	1:31:A:THR:O	1:35:A:TRP:N	9	0.54
(4,126)	1:31:A:THR:O	1:35:A:TRP:N	10	0.54
(2,241)	1:74:A:LEU:H	1:70:A:SER:HB3	10	0.54
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	3	0.54
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	3	0.54
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	3	0.54
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	3	0.54
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	3	0.54
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	3	0.54
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	3	0.54
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	3	0.54
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	3	0.54
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	3	0.54
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	3	0.54
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	3	0.54
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	3	0.54
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	3	0.54
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	3	0.54
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	3	0.54
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	3	0.54
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	3	0.54
(1,2796)	1:49:A:GLU:H	1:51:A:THR:HA	12	0.54
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	7	0.54
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	7	0.54
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	7	0.54
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	7	0.54
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	5	0.54
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	5	0.54
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	5	0.54
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	5	0.54
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	5	0.54
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	5	0.54
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	3	0.54
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	3	0.54
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	3	0.54
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	3	0.54
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	3	0.54
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	3	0.54
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	3	0.54
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	3	0.54
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	3	0.54
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	3	0.54
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	3	0.54
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	3	0.54
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	3	0.54
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	3	0.54
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	3	0.54
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	3	0.54
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	3	0.54
(1,2672)	1:49:A:GLU:H	1:51:A:THR:HA	12	0.54
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	7	0.54
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	7	0.54
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	7	0.54
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	7	0.54
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	5	0.54
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	5	0.54
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	5	0.54
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	5	0.54
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	5	0.54
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	5	0.54
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	3	0.54
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	3	0.54
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	3	0.54
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	3	0.54
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	3	0.54
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	3	0.54
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	3	0.54
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	3	0.54
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	3	0.54
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	3	0.54
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	3	0.54
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	3	0.54
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	3	0.54
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	3	0.54
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	3	0.54
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	3	0.54
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	3	0.54
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	3	0.54
(1,2548)	1:49:A:GLU:H	1:51:A:THR:HA	12	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	7	0.54
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	7	0.54
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	7	0.54
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	7	0.54
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	5	0.54
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	5	0.54
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	5	0.54
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	5	0.54
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	5	0.54
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	5	0.54
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	3	0.54
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	3	0.54
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	3	0.54
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	3	0.54
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	3	0.54
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	3	0.54
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	3	0.54
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	3	0.54
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	3	0.54
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	3	0.54
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	3	0.54
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	3	0.54
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	3	0.54
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	3	0.54
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	3	0.54
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	3	0.54
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	3	0.54
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	3	0.54
(1,2424)	1:49:A:GLU:H	1:51:A:THR:HA	12	0.54
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	7	0.54
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	7	0.54
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	7	0.54
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	7	0.54
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	5	0.54
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	5	0.54
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	5	0.54
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	5	0.54
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	5	0.54
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	5	0.54
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	3	0.54
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	3	0.54
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	3	0.54
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	3	0.54
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	3	0.54
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	3	0.54
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	3	0.54
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	3	0.54
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	3	0.54
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	3	0.54
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	3	0.54
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	3	0.54
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	3	0.54
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	3	0.54
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	3	0.54
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	3	0.54
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	3	0.54
(1,2300)	1:49:A:GLU:H	1:51:A:THR:HA	12	0.54
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	7	0.54
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	7	0.54
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	7	0.54
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	7	0.54
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	5	0.54
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	5	0.54
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	5	0.54
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	5	0.54
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	5	0.54
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	5	0.54
(1,2240)	1:103:A:GLU:H	1:102:A:LEU:HA	4	0.54
(1,2235)	1:102:A:LEU:H	1:100:A:ASP:HA	9	0.54
(1,2222)	1:99:A:ASN:HB3	1:100:A:ASP:H	12	0.54
(1,2222)	1:99:A:ASN:HB2	1:100:A:ASP:H	12	0.54
(1,2218)	1:99:A:ASN:H	1:97:A:VAL:H	8	0.54
(1,2211)	1:97:A:VAL:H	1:100:A:ASP:H	7	0.54
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD11	6	0.54
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD12	6	0.54
(1,2200)	1:96:A:TYR:HD1	1:102:A:LEU:HD13	6	0.54
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD11	6	0.54
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD12	6	0.54
(1,2200)	1:96:A:TYR:HD2	1:102:A:LEU:HD13	6	0.54
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB2	4	0.54
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB3	4	0.54
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB2	4	0.54
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB3	4	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB2	5	0.54
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB3	5	0.54
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB2	5	0.54
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB3	5	0.54
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB2	12	0.54
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB3	12	0.54
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB2	12	0.54
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB3	12	0.54
(1,2114)	1:86:A:ARG:HB2	1:83:A:ASP:HA	14	0.54
(1,2106)	1:84:A:GLU:HA	1:87:A:GLN:HE21	8	0.54
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD11	1	0.54
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD12	1	0.54
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD13	1	0.54
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD11	1	0.54
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD12	1	0.54
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD13	1	0.54
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD21	1	0.54
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD22	1	0.54
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD23	1	0.54
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG3	3	0.54
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG2	3	0.54
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG3	5	0.54
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG2	5	0.54
(1,2023)	1:77:A:GLU:H	1:75:A:THR:HA	15	0.54
(1,1993)	1:73:A:ASN:HA	1:72:A:THR:HA	15	0.54
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD11	15	0.54
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD12	15	0.54
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD13	15	0.54
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD21	15	0.54
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD22	15	0.54
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD23	15	0.54
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD21	15	0.54
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD22	15	0.54
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD23	15	0.54
(1,1956)	1:68:A:LYS:HB2	1:69:A:ALA:H	14	0.54
(1,1956)	1:68:A:LYS:HB3	1:69:A:ALA:H	14	0.54
(1,1930)	1:65:A:LYS:H	1:67:A:GLU:H	5	0.54
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD1	7	0.54
(1,1893)	1:63:A:LEU:HB2	1:59:A:PHE:HD2	7	0.54
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD1	7	0.54
(1,1893)	1:63:A:LEU:HB3	1:59:A:PHE:HD2	7	0.54
(1,1869)	1:60:A:GLN:HE22	1:56:A:LEU:HB2	9	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG2	5	0.54
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG3	5	0.54
(1,1846)	1:51:A:THR:HA	1:53:A:GLU:H	4	0.54
(1,1837)	1:49:A:GLU:H	1:48:A:ASN:HA	8	0.54
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG11	7	0.54
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG12	7	0.54
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG13	7	0.54
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB2	11	0.54
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB3	11	0.54
(1,1675)	1:16:A:GLY:H	1:18:A:VAL:H	11	0.54
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG21	1	0.54
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG22	1	0.54
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG23	1	0.54
(1,1658)	1:14:A:ILE:HB	1:15:A:ILE:H	9	0.54
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD21	15	0.54
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD22	15	0.54
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD23	15	0.54
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD21	15	0.54
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD22	15	0.54
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD23	15	0.54
(1,1621)	1:10:A:LEU:H	1:9:A:LEU:H	13	0.54
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG11	7	0.54
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG12	7	0.54
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG13	7	0.54
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG21	7	0.54
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG22	7	0.54
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG23	7	0.54
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG11	11	0.54
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG12	11	0.54
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG13	11	0.54
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG21	11	0.54
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG22	11	0.54
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG23	11	0.54
(1,1533)	1:97:A:VAL:H	1:98:A:ALA:H	11	0.54
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG21	3	0.54
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG22	3	0.54
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG23	3	0.54
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG21	3	0.54
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG22	3	0.54
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG23	3	0.54
(1,1529)	1:96:A:TYR:HB2	1:95:A:SER:H	8	0.54
(1,1529)	1:96:A:TYR:HB3	1:95:A:SER:H	8	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD11	10	0.54
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD12	10	0.54
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD13	10	0.54
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD21	10	0.54
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD22	10	0.54
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD23	10	0.54
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD11	13	0.54
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD12	13	0.54
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD13	13	0.54
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD21	13	0.54
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD22	13	0.54
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD23	13	0.54
(1,1468)	1:73:A:ASN:H	1:70:A:SER:HA	8	0.54
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG21	4	0.54
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG22	4	0.54
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG23	4	0.54
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG21	14	0.54
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG22	14	0.54
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG23	14	0.54
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD11	8	0.54
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD12	8	0.54
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD13	8	0.54
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD11	9	0.54
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD12	9	0.54
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD13	9	0.54
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD21	9	0.54
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD22	9	0.54
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD23	9	0.54
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD11	14	0.54
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD12	14	0.54
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD13	14	0.54
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD21	14	0.54
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD22	14	0.54
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD23	14	0.54
(1,1424)	1:48:A:ASN:H	1:49:A:GLU:HB2	13	0.54
(1,1386)	1:42:A:LEU:HD11	1:39:A:LEU:H	10	0.54
(1,1386)	1:42:A:LEU:HD12	1:39:A:LEU:H	10	0.54
(1,1386)	1:42:A:LEU:HD13	1:39:A:LEU:H	10	0.54
(1,1386)	1:42:A:LEU:HD21	1:39:A:LEU:H	10	0.54
(1,1386)	1:42:A:LEU:HD22	1:39:A:LEU:H	10	0.54
(1,1386)	1:42:A:LEU:HD23	1:39:A:LEU:H	10	0.54
(1,1362)	1:35:A:TRP:HZ3	1:36:A:ILE:HG13	2	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG21	4	0.54
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG22	4	0.54
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG23	4	0.54
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG21	5	0.54
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG22	5	0.54
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG23	5	0.54
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG21	13	0.54
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG22	13	0.54
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG23	13	0.54
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG21	15	0.54
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG22	15	0.54
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG23	15	0.54
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD11	10	0.54
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD12	10	0.54
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD13	10	0.54
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG21	8	0.54
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG22	8	0.54
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG23	8	0.54
(4,126)	1:31:A:THR:O	1:35:A:TRP:N	5	0.53
(4,126)	1:31:A:THR:O	1:35:A:TRP:N	13	0.53
(2,266)	1:74:A:LEU:HB2	1:73:A:ASN:HB3	3	0.53
(2,266)	1:74:A:LEU:HB2	1:73:A:ASN:HB3	9	0.53
(2,266)	1:74:A:LEU:HB2	1:73:A:ASN:HB3	13	0.53
(2,241)	1:74:A:LEU:H	1:70:A:SER:HB3	11	0.53
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG21	2	0.53
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG22	2	0.53
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG23	2	0.53
(1,2848)	1:71:A:LEU:HB3	1:75:A:THR:H	5	0.53
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	1	0.53
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	1	0.53
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	1	0.53
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	1	0.53
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	1	0.53
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	1	0.53
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	5	0.53
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	5	0.53
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	5	0.53
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	5	0.53
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	5	0.53
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	5	0.53
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	5	0.53
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	5	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	5	0.53
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	5	0.53
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	5	0.53
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	5	0.53
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	1	0.53
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	1	0.53
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	1	0.53
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	1	0.53
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	1	0.53
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	1	0.53
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	1	0.53
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	1	0.53
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	1	0.53
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	1	0.53
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	1	0.53
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	1	0.53
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	13	0.53
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	13	0.53
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	13	0.53
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	13	0.53
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	13	0.53
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	13	0.53
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	13	0.53
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	13	0.53
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	13	0.53
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	13	0.53
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	13	0.53
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	13	0.53
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB2	2	0.53
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB3	2	0.53
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB2	8	0.53
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB3	8	0.53
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	6	0.53
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	6	0.53
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	6	0.53
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	6	0.53
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD21	13	0.53
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD22	13	0.53
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD23	13	0.53
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG21	2	0.53
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG22	2	0.53
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG23	2	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2724)	1:71:A:LEU:HB3	1:75:A:THR:H	5	0.53
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	1	0.53
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	1	0.53
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	1	0.53
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	1	0.53
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	1	0.53
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	1	0.53
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	5	0.53
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	5	0.53
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	5	0.53
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	5	0.53
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	5	0.53
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	5	0.53
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	5	0.53
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	5	0.53
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	5	0.53
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	5	0.53
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	5	0.53
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	5	0.53
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	1	0.53
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	1	0.53
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	1	0.53
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	1	0.53
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	1	0.53
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	1	0.53
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	1	0.53
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	1	0.53
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	1	0.53
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	1	0.53
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	1	0.53
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	1	0.53
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	13	0.53
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	13	0.53
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	13	0.53
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	13	0.53
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	13	0.53
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	13	0.53
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	13	0.53
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	13	0.53
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	13	0.53
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	13	0.53
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	13	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	13	0.53
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB2	2	0.53
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB3	2	0.53
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB2	8	0.53
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB3	8	0.53
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	6	0.53
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	6	0.53
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	6	0.53
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	6	0.53
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD21	13	0.53
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD22	13	0.53
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD23	13	0.53
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG21	2	0.53
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG22	2	0.53
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG23	2	0.53
(1,2600)	1:71:A:LEU:HB3	1:75:A:THR:H	5	0.53
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	1	0.53
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	1	0.53
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	1	0.53
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	1	0.53
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	1	0.53
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	1	0.53
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	5	0.53
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	5	0.53
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	5	0.53
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	5	0.53
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	5	0.53
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	5	0.53
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	5	0.53
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	5	0.53
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	5	0.53
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	5	0.53
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	5	0.53
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	5	0.53
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	1	0.53
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	1	0.53
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	1	0.53
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	1	0.53
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	1	0.53
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	1	0.53
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	1	0.53
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	1	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	1	0.53
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	1	0.53
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	1	0.53
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	1	0.53
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	13	0.53
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	13	0.53
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	13	0.53
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	13	0.53
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	13	0.53
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	13	0.53
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	13	0.53
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	13	0.53
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	13	0.53
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	13	0.53
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	13	0.53
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	13	0.53
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB2	2	0.53
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB3	2	0.53
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB2	8	0.53
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB3	8	0.53
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	6	0.53
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	6	0.53
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	6	0.53
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	6	0.53
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD21	13	0.53
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD22	13	0.53
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD23	13	0.53
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG21	2	0.53
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG22	2	0.53
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG23	2	0.53
(1,2476)	1:71:A:LEU:HB3	1:75:A:THR:H	5	0.53
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	1	0.53
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	1	0.53
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	1	0.53
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	1	0.53
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	1	0.53
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	1	0.53
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	5	0.53
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	5	0.53
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	5	0.53
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	5	0.53
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	5	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	5	0.53
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	5	0.53
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	5	0.53
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	5	0.53
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	5	0.53
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	5	0.53
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	5	0.53
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	1	0.53
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	1	0.53
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	1	0.53
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	1	0.53
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	1	0.53
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	1	0.53
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	1	0.53
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	1	0.53
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	1	0.53
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	1	0.53
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	1	0.53
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	1	0.53
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	13	0.53
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	13	0.53
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	13	0.53
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	13	0.53
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	13	0.53
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	13	0.53
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	13	0.53
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	13	0.53
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	13	0.53
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	13	0.53
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	13	0.53
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	13	0.53
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB2	2	0.53
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB3	2	0.53
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB2	8	0.53
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB3	8	0.53
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	6	0.53
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	6	0.53
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	6	0.53
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	6	0.53
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD21	13	0.53
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD22	13	0.53
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD23	13	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG21	2	0.53
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG22	2	0.53
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG23	2	0.53
(1,2352)	1:71:A:LEU:HB3	1:75:A:THR:H	5	0.53
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	1	0.53
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	1	0.53
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	1	0.53
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	1	0.53
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	1	0.53
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	1	0.53
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	5	0.53
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	5	0.53
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	5	0.53
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	5	0.53
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	5	0.53
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	5	0.53
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	5	0.53
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	5	0.53
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	5	0.53
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	5	0.53
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	5	0.53
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	5	0.53
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	1	0.53
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	1	0.53
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	1	0.53
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	1	0.53
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	1	0.53
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	1	0.53
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	1	0.53
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	1	0.53
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	1	0.53
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	1	0.53
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	1	0.53
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	1	0.53
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	13	0.53
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	13	0.53
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	13	0.53
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	13	0.53
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	13	0.53
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	13	0.53
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	13	0.53
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	13	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	13	0.53
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	13	0.53
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	13	0.53
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	13	0.53
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB2	2	0.53
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB3	2	0.53
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB2	8	0.53
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB3	8	0.53
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	6	0.53
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	6	0.53
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	6	0.53
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	6	0.53
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD21	13	0.53
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD22	13	0.53
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD23	13	0.53
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB2	5	0.53
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB3	5	0.53
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB2	2	0.53
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB3	2	0.53
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB2	2	0.53
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB3	2	0.53
(1,2169)	1:94:A:ARG:H	1:93:A:LYS:HG2	12	0.53
(1,2164)	1:93:A:LYS:HG3	1:97:A:VAL:HB	14	0.53
(1,2114)	1:86:A:ARG:HB2	1:83:A:ASP:HA	8	0.53
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD11	12	0.53
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD12	12	0.53
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD13	12	0.53
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD11	12	0.53
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD12	12	0.53
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD13	12	0.53
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD21	12	0.53
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD22	12	0.53
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD23	12	0.53
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG3	1	0.53
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG2	1	0.53
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG3	2	0.53
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG2	2	0.53
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG3	4	0.53
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG2	4	0.53
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG3	9	0.53
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG2	9	0.53
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG3	11	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG2	11	0.53
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG3	13	0.53
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG2	13	0.53
(1,2023)	1:77:A:GLU:H	1:75:A:THR:HA	12	0.53
(1,1957)	1:68:A:LYS:HA	1:71:A:LEU:H	7	0.53
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE2	9	0.53
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE3	9	0.53
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG2	3	0.53
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG3	3	0.53
(1,1907)	1:64:A:LYS:H	1:60:A:GLN:HA	3	0.53
(1,1907)	1:64:A:LYS:H	1:60:A:GLN:HA	4	0.53
(1,1837)	1:49:A:GLU:H	1:48:A:ASN:HA	6	0.53
(1,1817)	1:46:A:VAL:H	1:43:A:ALA:HA	1	0.53
(1,1817)	1:46:A:VAL:H	1:43:A:ALA:HA	7	0.53
(1,1775)	1:39:A:LEU:H	1:36:A:ILE:HA	8	0.53
(1,1775)	1:39:A:LEU:H	1:36:A:ILE:HA	10	0.53
(1,1769)	1:37:A:ARG:HA	1:41:A:SER:H	12	0.53
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG11	3	0.53
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG12	3	0.53
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG13	3	0.53
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG11	5	0.53
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG12	5	0.53
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG13	5	0.53
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG11	6	0.53
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG12	6	0.53
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG13	6	0.53
(1,1672)	1:16:A:GLY:H	1:12:A:VAL:HA	8	0.53
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG11	13	0.53
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG12	13	0.53
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG13	13	0.53
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG21	13	0.53
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG22	13	0.53
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG23	13	0.53
(1,1542)	1:1:A:MET:HE1	1:2:A:PHE:H	13	0.53
(1,1542)	1:1:A:MET:HE2	1:2:A:PHE:H	13	0.53
(1,1542)	1:1:A:MET:HE3	1:2:A:PHE:H	13	0.53
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG21	5	0.53
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG22	5	0.53
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG23	5	0.53
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG21	5	0.53
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG22	5	0.53
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG23	5	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG21	8	0.53
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG22	8	0.53
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG23	8	0.53
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG21	8	0.53
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG22	8	0.53
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG23	8	0.53
(1,1529)	1:96:A:TYR:HB2	1:95:A:SER:H	2	0.53
(1,1529)	1:96:A:TYR:HB3	1:95:A:SER:H	2	0.53
(1,1529)	1:96:A:TYR:HB2	1:95:A:SER:H	3	0.53
(1,1529)	1:96:A:TYR:HB3	1:95:A:SER:H	3	0.53
(1,1529)	1:96:A:TYR:HB2	1:95:A:SER:H	9	0.53
(1,1529)	1:96:A:TYR:HB3	1:95:A:SER:H	9	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD11	2	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD12	2	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD13	2	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD21	2	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD22	2	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD23	2	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD11	4	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD12	4	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD13	4	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD21	4	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD22	4	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD23	4	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD11	9	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD12	9	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD13	9	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD21	9	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD22	9	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD23	9	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD11	15	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD12	15	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD13	15	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD21	15	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD22	15	0.53
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD23	15	0.53
(1,1465)	1:72:A:THR:HA	1:71:A:LEU:HB2	5	0.53
(1,1465)	1:72:A:THR:HA	1:71:A:LEU:HB2	7	0.53
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG21	3	0.53
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG22	3	0.53
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG23	3	0.53
(1,1424)	1:48:A:ASN:H	1:49:A:GLU:HB2	2	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1424)	1:48:A:ASN:H	1:49:A:GLU:HB2	10	0.53
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG11	4	0.53
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG12	4	0.53
(1,1419)	1:47:A:GLN:HE21	1:46:A:VAL:HG13	4	0.53
(1,1362)	1:35:A:TRP:HZ3	1:36:A:ILE:HG13	1	0.53
(1,1362)	1:35:A:TRP:HZ3	1:36:A:ILE:HG13	7	0.53
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG21	1	0.53
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG22	1	0.53
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG23	1	0.53
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG21	8	0.53
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG22	8	0.53
(1,1345)	1:35:A:TRP:H	1:31:A:THR:HG23	8	0.53
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD11	5	0.53
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD12	5	0.53
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD13	5	0.53
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD11	6	0.53
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD12	6	0.53
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD13	6	0.53
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG21	9	0.53
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG22	9	0.53
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG23	9	0.53
(1,979)	1:101:A:PRO:HD2	1:102:A:LEU:HG	9	0.53
(1,979)	1:101:A:PRO:HD3	1:102:A:LEU:HG	9	0.53
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD11	15	0.53
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD12	15	0.53
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD13	15	0.53
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD21	15	0.53
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD22	15	0.53
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD23	15	0.53
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD11	15	0.53
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD12	15	0.53
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD13	15	0.53
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD21	15	0.53
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD22	15	0.53
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD23	15	0.53
(1,863)	1:103:A:GLU:H	1:100:A:ASP:H	10	0.53
(4,126)	1:31:A:THR:O	1:35:A:TRP:N	4	0.52
(4,126)	1:31:A:THR:O	1:35:A:TRP:N	8	0.52
(4,126)	1:31:A:THR:O	1:35:A:TRP:N	12	0.52
(4,126)	1:31:A:THR:O	1:35:A:TRP:N	14	0.52
(4,126)	1:31:A:THR:O	1:35:A:TRP:N	15	0.52
(2,241)	1:74:A:LEU:H	1:70:A:SER:HB3	2	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,241)	1:74:A:LEU:H	1:70:A:SER:HB3	12	0.52
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG21	10	0.52
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG22	10	0.52
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG23	10	0.52
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG21	11	0.52
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG22	11	0.52
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG23	11	0.52
(1,2848)	1:71:A:LEU:HB3	1:75:A:THR:H	11	0.52
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD11	10	0.52
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD12	10	0.52
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD13	10	0.52
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	9	0.52
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	9	0.52
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	9	0.52
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	9	0.52
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	9	0.52
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	9	0.52
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	9	0.52
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	9	0.52
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	9	0.52
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	9	0.52
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	9	0.52
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	9	0.52
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG21	6	0.52
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG22	6	0.52
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG23	6	0.52
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG21	10	0.52
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG22	10	0.52
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG23	10	0.52
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG21	11	0.52
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG22	11	0.52
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG23	11	0.52
(1,2724)	1:71:A:LEU:HB3	1:75:A:THR:H	11	0.52
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD11	10	0.52
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD12	10	0.52
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD13	10	0.52
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	9	0.52
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	9	0.52
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	9	0.52
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	9	0.52
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	9	0.52
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	9	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	9	0.52
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	9	0.52
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	9	0.52
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	9	0.52
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	9	0.52
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	9	0.52
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG21	6	0.52
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG22	6	0.52
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG23	6	0.52
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG21	10	0.52
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG22	10	0.52
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG23	10	0.52
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG21	11	0.52
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG22	11	0.52
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG23	11	0.52
(1,2600)	1:71:A:LEU:HB3	1:75:A:THR:H	11	0.52
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD11	10	0.52
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD12	10	0.52
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD13	10	0.52
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	9	0.52
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	9	0.52
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	9	0.52
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	9	0.52
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	9	0.52
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	9	0.52
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	9	0.52
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	9	0.52
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	9	0.52
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	9	0.52
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	9	0.52
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	9	0.52
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG21	6	0.52
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG22	6	0.52
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG23	6	0.52
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG21	10	0.52
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG22	10	0.52
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG23	10	0.52
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG21	11	0.52
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG22	11	0.52
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG23	11	0.52
(1,2476)	1:71:A:LEU:HB3	1:75:A:THR:H	11	0.52
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD11	10	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD12	10	0.52
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD13	10	0.52
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	9	0.52
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	9	0.52
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	9	0.52
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	9	0.52
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	9	0.52
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	9	0.52
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	9	0.52
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	9	0.52
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	9	0.52
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	9	0.52
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	9	0.52
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	9	0.52
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG21	6	0.52
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG22	6	0.52
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG23	6	0.52
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG21	10	0.52
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG22	10	0.52
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG23	10	0.52
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG21	11	0.52
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG22	11	0.52
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG23	11	0.52
(1,2352)	1:71:A:LEU:HB3	1:75:A:THR:H	11	0.52
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD11	10	0.52
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD12	10	0.52
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD13	10	0.52
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	9	0.52
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	9	0.52
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	9	0.52
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	9	0.52
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	9	0.52
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	9	0.52
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	9	0.52
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	9	0.52
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	9	0.52
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	9	0.52
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	9	0.52
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	9	0.52
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG21	6	0.52
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG22	6	0.52
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG23	6	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2245)	1:103:A:GLU:H	1:102:A:LEU:HB2	7	0.52
(1,2235)	1:102:A:LEU:H	1:100:A:ASP:HA	14	0.52
(1,2234)	1:101:A:PRO:HD2	1:103:A:GLU:H	1	0.52
(1,2234)	1:101:A:PRO:HD3	1:103:A:GLU:H	1	0.52
(1,2222)	1:99:A:ASN:HB3	1:100:A:ASP:H	3	0.52
(1,2222)	1:99:A:ASN:HB2	1:100:A:ASP:H	3	0.52
(1,2215)	1:98:A:ALA:H	1:99:A:ASN:HA	4	0.52
(1,2212)	1:98:A:ALA:HA	1:97:A:VAL:HB	9	0.52
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB1	6	0.52
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB2	6	0.52
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB3	6	0.52
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB2	14	0.52
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB3	14	0.52
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB2	14	0.52
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB3	14	0.52
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD11	10	0.52
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD12	10	0.52
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD13	10	0.52
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD11	10	0.52
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD12	10	0.52
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD13	10	0.52
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD21	10	0.52
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD22	10	0.52
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD23	10	0.52
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG3	6	0.52
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG2	6	0.52
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG3	10	0.52
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG2	10	0.52
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG3	14	0.52
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG2	14	0.52
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG3	15	0.52
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG2	15	0.52
(1,1957)	1:68:A:LYS:HA	1:71:A:LEU:H	5	0.52
(1,1956)	1:68:A:LYS:HB2	1:69:A:ALA:H	3	0.52
(1,1956)	1:68:A:LYS:HB3	1:69:A:ALA:H	3	0.52
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG2	13	0.52
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG3	13	0.52
(1,1907)	1:64:A:LYS:H	1:60:A:GLN:HA	2	0.52
(1,1846)	1:51:A:THR:HA	1:53:A:GLU:H	5	0.52
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG21	3	0.52
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG22	3	0.52
(1,1826)	1:47:A:GLN:H	1:46:A:VAL:HG23	3	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1817)	1:46:A:VAL:H	1:43:A:ALA:HA	12	0.52
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG21	12	0.52
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG22	12	0.52
(1,1812)	1:45:A:THR:H	1:46:A:VAL:HG23	12	0.52
(1,1782)	1:40:A:ARG:HG3	1:44:A:THR:HB	10	0.52
(1,1775)	1:39:A:LEU:H	1:36:A:ILE:HA	9	0.52
(1,1775)	1:39:A:LEU:H	1:36:A:ILE:HA	15	0.52
(1,1769)	1:37:A:ARG:HA	1:41:A:SER:H	13	0.52
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG11	11	0.52
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG12	11	0.52
(1,1750)	1:33:A:ALA:H	1:32:A:VAL:HG13	11	0.52
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG11	1	0.52
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG12	1	0.52
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG13	1	0.52
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG11	14	0.52
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG12	14	0.52
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG13	14	0.52
(1,1605)	1:8:A:GLU:HB2	1:4:A:ILE:HB	7	0.52
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE1	13	0.52
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE2	13	0.52
(1,1547)	1:2:A:PHE:HE1	1:1:A:MET:HE3	13	0.52
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE1	13	0.52
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE2	13	0.52
(1,1547)	1:2:A:PHE:HE2	1:1:A:MET:HE3	13	0.52
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG21	2	0.52
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG22	2	0.52
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG23	2	0.52
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG21	2	0.52
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG22	2	0.52
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG23	2	0.52
(1,1529)	1:96:A:TYR:HB2	1:95:A:SER:H	4	0.52
(1,1529)	1:96:A:TYR:HB3	1:95:A:SER:H	4	0.52
(1,1529)	1:96:A:TYR:HB2	1:95:A:SER:H	6	0.52
(1,1529)	1:96:A:TYR:HB3	1:95:A:SER:H	6	0.52
(1,1529)	1:96:A:TYR:HB2	1:95:A:SER:H	7	0.52
(1,1529)	1:96:A:TYR:HB3	1:95:A:SER:H	7	0.52
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD11	1	0.52
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD12	1	0.52
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD13	1	0.52
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD21	1	0.52
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD22	1	0.52
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD23	1	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD11	6	0.52
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD12	6	0.52
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD13	6	0.52
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD21	6	0.52
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD22	6	0.52
(1,1495)	1:84:A:GLU:H	1:85:A:LEU:HD23	6	0.52
(1,1465)	1:72:A:THR:HA	1:71:A:LEU:HB2	11	0.52
(1,1362)	1:35:A:TRP:HZ3	1:36:A:ILE:HG13	10	0.52
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG11	1	0.52
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG12	1	0.52
(1,1319)	1:25:A:LEU:HD21	1:29:A:VAL:HG13	1	0.52
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG11	1	0.52
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG12	1	0.52
(1,1319)	1:25:A:LEU:HD22	1:29:A:VAL:HG13	1	0.52
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG11	1	0.52
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG12	1	0.52
(1,1319)	1:25:A:LEU:HD23	1:29:A:VAL:HG13	1	0.52
(1,1290)	1:17:A:LEU:HD21	1:13:A:PHE:HE1	12	0.52
(1,1290)	1:17:A:LEU:HD21	1:13:A:PHE:HE2	12	0.52
(1,1290)	1:17:A:LEU:HD22	1:13:A:PHE:HE1	12	0.52
(1,1290)	1:17:A:LEU:HD22	1:13:A:PHE:HE2	12	0.52
(1,1290)	1:17:A:LEU:HD23	1:13:A:PHE:HE1	12	0.52
(1,1290)	1:17:A:LEU:HD23	1:13:A:PHE:HE2	12	0.52
(1,1290)	1:17:A:LEU:HD11	1:13:A:PHE:HE1	12	0.52
(1,1290)	1:17:A:LEU:HD11	1:13:A:PHE:HE2	12	0.52
(1,1290)	1:17:A:LEU:HD12	1:13:A:PHE:HE1	12	0.52
(1,1290)	1:17:A:LEU:HD12	1:13:A:PHE:HE2	12	0.52
(1,1290)	1:17:A:LEU:HD13	1:13:A:PHE:HE1	12	0.52
(1,1290)	1:17:A:LEU:HD13	1:13:A:PHE:HE2	12	0.52
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD11	2	0.52
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD12	2	0.52
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD13	2	0.52
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG11	11	0.52
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG12	11	0.52
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG13	11	0.52
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG21	11	0.52
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG22	11	0.52
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG23	11	0.52
(2,266)	1:74:A:LEU:HB2	1:73:A:ASN:HB3	7	0.51
(2,266)	1:74:A:LEU:HB2	1:73:A:ASN:HB3	15	0.51
(2,241)	1:74:A:LEU:H	1:70:A:SER:HB3	7	0.51
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG21	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG22	5	0.51
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG23	5	0.51
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG21	12	0.51
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG22	12	0.51
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG23	12	0.51
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG2	13	0.51
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG3	13	0.51
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD11	4	0.51
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD12	4	0.51
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD13	4	0.51
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	4	0.51
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	4	0.51
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	4	0.51
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	4	0.51
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG21	5	0.51
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG22	5	0.51
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG23	5	0.51
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG21	12	0.51
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG22	12	0.51
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG23	12	0.51
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG2	13	0.51
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG3	13	0.51
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD11	4	0.51
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD12	4	0.51
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD13	4	0.51
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	4	0.51
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	4	0.51
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	4	0.51
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	4	0.51
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG21	5	0.51
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG22	5	0.51
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG23	5	0.51
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG21	12	0.51
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG22	12	0.51
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG23	12	0.51
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG2	13	0.51
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG3	13	0.51
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD11	4	0.51
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD12	4	0.51
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD13	4	0.51
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	4	0.51
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	4	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	4	0.51
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	4	0.51
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG21	5	0.51
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG22	5	0.51
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG23	5	0.51
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG21	12	0.51
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG22	12	0.51
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG23	12	0.51
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG2	13	0.51
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG3	13	0.51
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD11	4	0.51
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD12	4	0.51
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD13	4	0.51
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	4	0.51
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	4	0.51
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	4	0.51
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	4	0.51
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG21	5	0.51
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG22	5	0.51
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG23	5	0.51
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG21	12	0.51
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG22	12	0.51
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG23	12	0.51
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG2	13	0.51
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG3	13	0.51
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD11	4	0.51
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD12	4	0.51
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD13	4	0.51
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	4	0.51
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	4	0.51
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	4	0.51
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	4	0.51
(1,2222)	1:99:A:ASN:HB3	1:100:A:ASP:H	4	0.51
(1,2222)	1:99:A:ASN:HB2	1:100:A:ASP:H	4	0.51
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB1	2	0.51
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB2	2	0.51
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB3	2	0.51
(1,2177)	1:94:A:ARG:HA	1:97:A:VAL:HB	11	0.51
(1,2177)	1:94:A:ARG:HA	1:97:A:VAL:HB	13	0.51
(1,2177)	1:94:A:ARG:HA	1:97:A:VAL:HB	15	0.51
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB2	1	0.51
(1,2172)	1:94:A:ARG:HB2	1:95:A:SER:HB3	1	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB2	1	0.51
(1,2172)	1:94:A:ARG:HB3	1:95:A:SER:HB3	1	0.51
(1,2119)	1:86:A:ARG:HG3	1:87:A:GLN:H	6	0.51
(1,2119)	1:86:A:ARG:HG2	1:87:A:GLN:H	6	0.51
(1,2114)	1:86:A:ARG:HB2	1:83:A:ASP:HA	12	0.51
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG3	12	0.51
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG2	12	0.51
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD11	7	0.51
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD12	7	0.51
(1,2055)	1:81:A:SER:HB3	1:78:A:LEU:HD13	7	0.51
(1,2029)	1:77:A:GLU:H	1:78:A:LEU:H	7	0.51
(1,2029)	1:77:A:GLU:H	1:78:A:LEU:H	15	0.51
(1,2023)	1:77:A:GLU:H	1:75:A:THR:HA	1	0.51
(1,2023)	1:77:A:GLU:H	1:75:A:THR:HA	2	0.51
(1,2023)	1:77:A:GLU:H	1:75:A:THR:HA	10	0.51
(1,2023)	1:77:A:GLU:H	1:75:A:THR:HA	11	0.51
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG2	1	0.51
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG3	1	0.51
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD11	3	0.51
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD12	3	0.51
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD13	3	0.51
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD21	3	0.51
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD22	3	0.51
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD23	3	0.51
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD11	3	0.51
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD12	3	0.51
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD13	3	0.51
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD21	3	0.51
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD22	3	0.51
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD23	3	0.51
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD11	9	0.51
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD12	9	0.51
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD13	9	0.51
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG21	6	0.51
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG22	6	0.51
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG23	6	0.51
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG11	10	0.51
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG12	10	0.51
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG13	10	0.51
(1,1818)	1:46:A:VAL:HA	1:45:A:THR:HB	15	0.51
(1,1817)	1:46:A:VAL:H	1:43:A:ALA:HA	3	0.51
(1,1817)	1:46:A:VAL:H	1:43:A:ALA:HA	6	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1775)	1:39:A:LEU:H	1:36:A:ILE:HA	2	0.51
(1,1775)	1:39:A:LEU:H	1:36:A:ILE:HA	5	0.51
(1,1775)	1:39:A:LEU:H	1:36:A:ILE:HA	13	0.51
(1,1769)	1:37:A:ARG:HA	1:41:A:SER:H	4	0.51
(1,1769)	1:37:A:ARG:HA	1:41:A:SER:H	5	0.51
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB1	13	0.51
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB2	13	0.51
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB3	13	0.51
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG11	15	0.51
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG12	15	0.51
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG13	15	0.51
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG21	5	0.51
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG22	5	0.51
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG23	5	0.51
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD11	6	0.51
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD12	6	0.51
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD13	6	0.51
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD21	6	0.51
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD22	6	0.51
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD23	6	0.51
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD11	9	0.51
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD12	9	0.51
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD13	9	0.51
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD21	9	0.51
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD22	9	0.51
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD23	9	0.51
(1,1653)	1:14:A:ILE:HA	1:13:A:PHE:HD1	13	0.51
(1,1653)	1:14:A:ILE:HA	1:13:A:PHE:HD2	13	0.51
(1,1626)	1:11:A:LEU:H	1:10:A:LEU:H	1	0.51
(1,1626)	1:11:A:LEU:H	1:10:A:LEU:H	10	0.51
(1,1621)	1:10:A:LEU:H	1:9:A:LEU:H	5	0.51
(1,1621)	1:10:A:LEU:H	1:9:A:LEU:H	6	0.51
(1,1600)	1:6:A:PHE:HA	1:9:A:LEU:H	5	0.51
(1,1600)	1:6:A:PHE:HA	1:9:A:LEU:H	6	0.51
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG21	8	0.51
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG22	8	0.51
(1,1588)	1:6:A:PHE:HD1	1:4:A:ILE:HG23	8	0.51
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG21	8	0.51
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG22	8	0.51
(1,1588)	1:6:A:PHE:HD2	1:4:A:ILE:HG23	8	0.51
(1,1542)	1:1:A:MET:HE1	1:2:A:PHE:H	8	0.51
(1,1542)	1:1:A:MET:HE2	1:2:A:PHE:H	8	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1542)	1:1:A:MET:HE3	1:2:A:PHE:H	8	0.51
(1,1529)	1:96:A:TYR:HB2	1:95:A:SER:H	1	0.51
(1,1529)	1:96:A:TYR:HB3	1:95:A:SER:H	1	0.51
(1,1465)	1:72:A:THR:HA	1:71:A:LEU:HB2	1	0.51
(1,1465)	1:72:A:THR:HA	1:71:A:LEU:HB2	2	0.51
(1,1465)	1:72:A:THR:HA	1:71:A:LEU:HB2	12	0.51
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD11	5	0.51
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD12	5	0.51
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD13	5	0.51
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG2	11	0.51
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG3	11	0.51
(1,1365)	1:36:A:ILE:HG12	1:35:A:TRP:H	6	0.51
(1,1362)	1:35:A:TRP:HZ3	1:36:A:ILE:HG13	9	0.51
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG21	2	0.51
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG22	2	0.51
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG23	2	0.51
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD11	4	0.51
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD12	4	0.51
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD13	4	0.51
(1,991)	1:11:A:LEU:H	1:9:A:LEU:HA	4	0.51
(1,991)	1:11:A:LEU:H	1:9:A:LEU:HA	14	0.51
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG21	2	0.51
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG22	2	0.51
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG23	2	0.51
(4,140)	1:58:A:GLU:O	1:62:A:SER:N	7	0.5
(2,266)	1:74:A:LEU:HB2	1:73:A:ASN:HB3	1	0.5
(2,266)	1:74:A:LEU:HB2	1:73:A:ASN:HB3	2	0.5
(2,266)	1:74:A:LEU:HB2	1:73:A:ASN:HB3	5	0.5
(2,266)	1:74:A:LEU:HB2	1:73:A:ASN:HB3	12	0.5
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG21	1	0.5
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG22	1	0.5
(1,2865)	1:79:A:LYS:H	1:75:A:THR:HG23	1	0.5
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	10	0.5
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	10	0.5
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	10	0.5
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	10	0.5
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	10	0.5
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	10	0.5
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD11	5	0.5
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD12	5	0.5
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD13	5	0.5
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD11	14	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD12	14	0.5
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD13	14	0.5
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	14	0.5
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	14	0.5
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	14	0.5
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	14	0.5
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	14	0.5
(1,2835)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	14	0.5
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	14	0.5
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	14	0.5
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	14	0.5
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	14	0.5
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	14	0.5
(1,2835)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	14	0.5
(1,2803)	1:50:A:LEU:H	1:54:A:LEU:HB3	15	0.5
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG21	15	0.5
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG22	15	0.5
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG23	15	0.5
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG21	2	0.5
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG22	2	0.5
(1,2787)	1:48:A:ASN:HB2	1:51:A:THR:HG23	2	0.5
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG21	2	0.5
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG22	2	0.5
(1,2787)	1:48:A:ASN:HB3	1:51:A:THR:HG23	2	0.5
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	4	0.5
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	4	0.5
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	4	0.5
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	4	0.5
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	4	0.5
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	4	0.5
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	14	0.5
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	14	0.5
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	14	0.5
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	14	0.5
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	14	0.5
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	14	0.5
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG21	1	0.5
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG22	1	0.5
(1,2741)	1:79:A:LYS:H	1:75:A:THR:HG23	1	0.5
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	10	0.5
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	10	0.5
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	10	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	10	0.5
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	10	0.5
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	10	0.5
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD11	5	0.5
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD12	5	0.5
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD13	5	0.5
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD11	14	0.5
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD12	14	0.5
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD13	14	0.5
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	14	0.5
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	14	0.5
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	14	0.5
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	14	0.5
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	14	0.5
(1,2711)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	14	0.5
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	14	0.5
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	14	0.5
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	14	0.5
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	14	0.5
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	14	0.5
(1,2711)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	14	0.5
(1,2679)	1:50:A:LEU:H	1:54:A:LEU:HB3	15	0.5
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG21	15	0.5
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG22	15	0.5
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG23	15	0.5
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG21	2	0.5
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG22	2	0.5
(1,2663)	1:48:A:ASN:HB2	1:51:A:THR:HG23	2	0.5
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG21	2	0.5
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG22	2	0.5
(1,2663)	1:48:A:ASN:HB3	1:51:A:THR:HG23	2	0.5
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	4	0.5
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	4	0.5
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	4	0.5
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	4	0.5
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	4	0.5
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	4	0.5
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	14	0.5
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	14	0.5
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	14	0.5
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	14	0.5
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	14	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	14	0.5
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG21	1	0.5
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG22	1	0.5
(1,2617)	1:79:A:LYS:H	1:75:A:THR:HG23	1	0.5
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	10	0.5
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	10	0.5
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	10	0.5
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	10	0.5
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	10	0.5
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	10	0.5
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD11	5	0.5
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD12	5	0.5
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD13	5	0.5
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD11	14	0.5
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD12	14	0.5
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD13	14	0.5
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	14	0.5
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	14	0.5
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	14	0.5
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	14	0.5
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	14	0.5
(1,2587)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	14	0.5
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	14	0.5
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	14	0.5
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	14	0.5
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	14	0.5
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	14	0.5
(1,2587)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	14	0.5
(1,2555)	1:50:A:LEU:H	1:54:A:LEU:HB3	15	0.5
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG21	15	0.5
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG22	15	0.5
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG23	15	0.5
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG21	2	0.5
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG22	2	0.5
(1,2539)	1:48:A:ASN:HB2	1:51:A:THR:HG23	2	0.5
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG21	2	0.5
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG22	2	0.5
(1,2539)	1:48:A:ASN:HB3	1:51:A:THR:HG23	2	0.5
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	4	0.5
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	4	0.5
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	4	0.5
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	4	0.5
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	4	0.5
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	14	0.5
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	14	0.5
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	14	0.5
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	14	0.5
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	14	0.5
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	14	0.5
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG21	1	0.5
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG22	1	0.5
(1,2493)	1:79:A:LYS:H	1:75:A:THR:HG23	1	0.5
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	10	0.5
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	10	0.5
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	10	0.5
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	10	0.5
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	10	0.5
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	10	0.5
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD11	5	0.5
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD12	5	0.5
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD13	5	0.5
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD11	14	0.5
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD12	14	0.5
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD13	14	0.5
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	14	0.5
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	14	0.5
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	14	0.5
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	14	0.5
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	14	0.5
(1,2463)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	14	0.5
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	14	0.5
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	14	0.5
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	14	0.5
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	14	0.5
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	14	0.5
(1,2463)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	14	0.5
(1,2431)	1:50:A:LEU:H	1:54:A:LEU:HB3	15	0.5
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG21	15	0.5
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG22	15	0.5
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG23	15	0.5
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG21	2	0.5
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG22	2	0.5
(1,2415)	1:48:A:ASN:HB2	1:51:A:THR:HG23	2	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG21	2	0.5
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG22	2	0.5
(1,2415)	1:48:A:ASN:HB3	1:51:A:THR:HG23	2	0.5
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	4	0.5
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	4	0.5
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	4	0.5
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	4	0.5
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	4	0.5
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	4	0.5
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	14	0.5
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	14	0.5
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	14	0.5
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	14	0.5
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	14	0.5
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	14	0.5
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG21	1	0.5
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG22	1	0.5
(1,2369)	1:79:A:LYS:H	1:75:A:THR:HG23	1	0.5
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	10	0.5
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	10	0.5
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	10	0.5
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	10	0.5
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	10	0.5
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	10	0.5
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD11	5	0.5
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD12	5	0.5
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD13	5	0.5
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD11	14	0.5
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD12	14	0.5
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD13	14	0.5
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD11	14	0.5
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD12	14	0.5
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD13	14	0.5
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD21	14	0.5
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD22	14	0.5
(1,2339)	1:59:A:PHE:HD1	1:56:A:LEU:HD23	14	0.5
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD11	14	0.5
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD12	14	0.5
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD13	14	0.5
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD21	14	0.5
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD22	14	0.5
(1,2339)	1:59:A:PHE:HD2	1:56:A:LEU:HD23	14	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2307)	1:50:A:LEU:H	1:54:A:LEU:HB3	15	0.5
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG21	15	0.5
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG22	15	0.5
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG23	15	0.5
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG21	2	0.5
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG22	2	0.5
(1,2291)	1:48:A:ASN:HB2	1:51:A:THR:HG23	2	0.5
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG21	2	0.5
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG22	2	0.5
(1,2291)	1:48:A:ASN:HB3	1:51:A:THR:HG23	2	0.5
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	4	0.5
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	4	0.5
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	4	0.5
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	4	0.5
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	4	0.5
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	4	0.5
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	14	0.5
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	14	0.5
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	14	0.5
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	14	0.5
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	14	0.5
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	14	0.5
(1,2240)	1:103:A:GLU:H	1:102:A:LEU:HA	11	0.5
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB1	14	0.5
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB2	14	0.5
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB3	14	0.5
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB2	3	0.5
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB3	3	0.5
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB2	10	0.5
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB3	10	0.5
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB1	14	0.5
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB2	14	0.5
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB3	14	0.5
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB1	14	0.5
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB2	14	0.5
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB3	14	0.5
(1,2119)	1:86:A:ARG:HG3	1:87:A:GLN:H	2	0.5
(1,2119)	1:86:A:ARG:HG2	1:87:A:GLN:H	2	0.5
(1,2119)	1:86:A:ARG:HG3	1:87:A:GLN:H	9	0.5
(1,2119)	1:86:A:ARG:HG2	1:87:A:GLN:H	9	0.5
(1,2119)	1:86:A:ARG:HG3	1:87:A:GLN:H	13	0.5
(1,2119)	1:86:A:ARG:HG2	1:87:A:GLN:H	13	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2119)	1:86:A:ARG:HG3	1:87:A:GLN:H	15	0.5
(1,2119)	1:86:A:ARG:HG2	1:87:A:GLN:H	15	0.5
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG3	7	0.5
(1,2109)	1:85:A:LEU:H	1:84:A:GLU:HG2	7	0.5
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD11	7	0.5
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD12	7	0.5
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD13	7	0.5
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD21	7	0.5
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD22	7	0.5
(1,2074)	1:82:A:MET:HG3	1:85:A:LEU:HD23	7	0.5
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD11	7	0.5
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD12	7	0.5
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD13	7	0.5
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD21	7	0.5
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD22	7	0.5
(1,2074)	1:82:A:MET:HG2	1:85:A:LEU:HD23	7	0.5
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG3	8	0.5
(1,2063)	1:81:A:SER:HA	1:84:A:GLU:HG2	8	0.5
(1,2029)	1:77:A:GLU:H	1:78:A:LEU:H	5	0.5
(1,2029)	1:77:A:GLU:H	1:78:A:LEU:H	12	0.5
(1,2023)	1:77:A:GLU:H	1:75:A:THR:HA	5	0.5
(1,2023)	1:77:A:GLU:H	1:75:A:THR:HA	7	0.5
(1,1956)	1:68:A:LYS:HB2	1:69:A:ALA:H	1	0.5
(1,1956)	1:68:A:LYS:HB3	1:69:A:ALA:H	1	0.5
(1,1956)	1:68:A:LYS:HB2	1:69:A:ALA:H	12	0.5
(1,1956)	1:68:A:LYS:HB3	1:69:A:ALA:H	12	0.5
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG2	14	0.5
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG3	14	0.5
(1,1837)	1:49:A:GLU:H	1:48:A:ASN:HA	5	0.5
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG11	6	0.5
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG12	6	0.5
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG13	6	0.5
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG11	15	0.5
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG12	15	0.5
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG13	15	0.5
(1,1823)	1:46:A:VAL:HA	1:48:A:ASN:H	5	0.5
(1,1790)	1:42:A:LEU:HD11	1:45:A:THR:HB	7	0.5
(1,1790)	1:42:A:LEU:HD12	1:45:A:THR:HB	7	0.5
(1,1790)	1:42:A:LEU:HD13	1:45:A:THR:HB	7	0.5
(1,1790)	1:42:A:LEU:HD21	1:45:A:THR:HB	7	0.5
(1,1790)	1:42:A:LEU:HD22	1:45:A:THR:HB	7	0.5
(1,1790)	1:42:A:LEU:HD23	1:45:A:THR:HB	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1775)	1:39:A:LEU:H	1:36:A:ILE:HA	7	0.5
(1,1775)	1:39:A:LEU:H	1:36:A:ILE:HA	12	0.5
(1,1769)	1:37:A:ARG:HA	1:41:A:SER:H	7	0.5
(1,1736)	1:29:A:VAL:HA	1:32:A:VAL:HB	1	0.5
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD2	1	0.5
(1,1720)	1:27:A:VAL:HB	1:26:A:PRO:HD3	1	0.5
(1,1703)	1:22:A:PRO:HD3	1:23:A:GLN:H	1	0.5
(1,1703)	1:22:A:PRO:HD3	1:23:A:GLN:H	3	0.5
(1,1703)	1:22:A:PRO:HD3	1:23:A:GLN:H	4	0.5
(1,1703)	1:22:A:PRO:HD3	1:23:A:GLN:H	5	0.5
(1,1703)	1:22:A:PRO:HD3	1:23:A:GLN:H	6	0.5
(1,1703)	1:22:A:PRO:HD3	1:23:A:GLN:H	7	0.5
(1,1703)	1:22:A:PRO:HD3	1:23:A:GLN:H	8	0.5
(1,1703)	1:22:A:PRO:HD3	1:23:A:GLN:H	9	0.5
(1,1703)	1:22:A:PRO:HD3	1:23:A:GLN:H	10	0.5
(1,1703)	1:22:A:PRO:HD3	1:23:A:GLN:H	11	0.5
(1,1703)	1:22:A:PRO:HD3	1:23:A:GLN:H	13	0.5
(1,1703)	1:22:A:PRO:HD3	1:23:A:GLN:H	14	0.5
(1,1703)	1:22:A:PRO:HD3	1:23:A:GLN:H	15	0.5
(1,1691)	1:20:A:LEU:H	1:19:A:VAL:HB	11	0.5
(1,1672)	1:16:A:GLY:H	1:12:A:VAL:HA	3	0.5
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG21	6	0.5
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG22	6	0.5
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG23	6	0.5
(1,1651)	1:13:A:PHE:HE1	1:17:A:LEU:HG	2	0.5
(1,1651)	1:13:A:PHE:HE2	1:17:A:LEU:HG	2	0.5
(1,1651)	1:13:A:PHE:HE1	1:17:A:LEU:HG	10	0.5
(1,1651)	1:13:A:PHE:HE2	1:17:A:LEU:HG	10	0.5
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG21	13	0.5
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG22	13	0.5
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG23	13	0.5
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG21	13	0.5
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG22	13	0.5
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG23	13	0.5
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG11	12	0.5
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG12	12	0.5
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG13	12	0.5
(1,1630)	1:12:A:VAL:HB	1:9:A:LEU:HA	2	0.5
(1,1626)	1:11:A:LEU:H	1:10:A:LEU:H	2	0.5
(1,1621)	1:10:A:LEU:H	1:9:A:LEU:H	8	0.5
(1,1612)	1:8:A:GLU:H	1:7:A:SER:H	13	0.5
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG21	13	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG22	13	0.5
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG23	13	0.5
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD11	11	0.5
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD12	11	0.5
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD13	11	0.5
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD11	11	0.5
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD12	11	0.5
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD13	11	0.5
(1,1529)	1:96:A:TYR:HB2	1:95:A:SER:H	11	0.5
(1,1529)	1:96:A:TYR:HB3	1:95:A:SER:H	11	0.5
(1,1529)	1:96:A:TYR:HB2	1:95:A:SER:H	12	0.5
(1,1529)	1:96:A:TYR:HB3	1:95:A:SER:H	12	0.5
(1,1529)	1:96:A:TYR:HB2	1:95:A:SER:H	13	0.5
(1,1529)	1:96:A:TYR:HB3	1:95:A:SER:H	13	0.5
(1,1529)	1:96:A:TYR:HB2	1:95:A:SER:H	15	0.5
(1,1529)	1:96:A:TYR:HB3	1:95:A:SER:H	15	0.5
(1,1465)	1:72:A:THR:HA	1:71:A:LEU:HB2	10	0.5
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG21	9	0.5
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG22	9	0.5
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG23	9	0.5
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB2	14	0.5
(1,1429)	1:53:A:GLU:H	1:52:A:GLN:HB3	14	0.5
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD11	7	0.5
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD12	7	0.5
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD13	7	0.5
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD21	7	0.5
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD22	7	0.5
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD23	7	0.5
(1,1424)	1:48:A:ASN:H	1:49:A:GLU:HB2	11	0.5
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG21	9	0.5
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG22	9	0.5
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG23	9	0.5
(1,1365)	1:36:A:ILE:HG12	1:35:A:TRP:H	3	0.5
(1,1362)	1:35:A:TRP:HZ3	1:36:A:ILE:HG13	3	0.5
(1,1362)	1:35:A:TRP:HZ3	1:36:A:ILE:HG13	6	0.5
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG21	6	0.5
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG22	6	0.5
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG23	6	0.5
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG21	7	0.5
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG22	7	0.5
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG23	7	0.5
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG21	13	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG22	13	0.5
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG23	13	0.5
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD11	14	0.5
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD12	14	0.5
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD13	14	0.5
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG11	14	0.5
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG12	14	0.5
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG13	14	0.5
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG21	14	0.5
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG22	14	0.5
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG23	14	0.5
(1,930)	1:42:A:LEU:HD11	1:45:A:THR:H	1	0.5
(1,930)	1:42:A:LEU:HD12	1:45:A:THR:H	1	0.5
(1,930)	1:42:A:LEU:HD13	1:45:A:THR:H	1	0.5
(1,930)	1:42:A:LEU:HD21	1:45:A:THR:H	1	0.5
(1,930)	1:42:A:LEU:HD22	1:45:A:THR:H	1	0.5
(1,930)	1:42:A:LEU:HD23	1:45:A:THR:H	1	0.5
(1,930)	1:42:A:LEU:HD11	1:45:A:THR:H	10	0.5
(1,930)	1:42:A:LEU:HD12	1:45:A:THR:H	10	0.5
(1,930)	1:42:A:LEU:HD13	1:45:A:THR:H	10	0.5
(1,930)	1:42:A:LEU:HD21	1:45:A:THR:H	10	0.5
(1,930)	1:42:A:LEU:HD22	1:45:A:THR:H	10	0.5
(1,930)	1:42:A:LEU:HD23	1:45:A:THR:H	10	0.5
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD11	7	0.5
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD12	7	0.5
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD13	7	0.5
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD21	7	0.5
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD22	7	0.5
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD23	7	0.5
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD11	7	0.5
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD12	7	0.5
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD13	7	0.5
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD21	7	0.5
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD22	7	0.5
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD23	7	0.5
(4,129)	1:34:A:GLY:O	1:38:A:ALA:N	1	0.49
(4,129)	1:34:A:GLY:O	1:38:A:ALA:N	2	0.49
(2,266)	1:74:A:LEU:HB2	1:73:A:ASN:HB3	10	0.49
(2,266)	1:74:A:LEU:HB2	1:73:A:ASN:HB3	11	0.49
(2,130)	1:21:A:GLY:H	1:17:A:LEU:HD21	13	0.49
(2,130)	1:21:A:GLY:H	1:17:A:LEU:HD22	13	0.49
(2,130)	1:21:A:GLY:H	1:17:A:LEU:HD23	13	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2848)	1:71:A:LEU:HB3	1:75:A:THR:H	1	0.49
(1,2848)	1:71:A:LEU:HB3	1:75:A:THR:H	7	0.49
(1,2848)	1:71:A:LEU:HB3	1:75:A:THR:H	10	0.49
(1,2848)	1:71:A:LEU:HB3	1:75:A:THR:H	12	0.49
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD21	14	0.49
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD22	14	0.49
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD23	14	0.49
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD11	14	0.49
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD12	14	0.49
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD13	14	0.49
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD11	3	0.49
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD12	3	0.49
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD13	3	0.49
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	6	0.49
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	6	0.49
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	6	0.49
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	6	0.49
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	6	0.49
(1,2828)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	6	0.49
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	6	0.49
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	6	0.49
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	6	0.49
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	6	0.49
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	6	0.49
(1,2828)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	6	0.49
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD11	3	0.49
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD12	3	0.49
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD13	3	0.49
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD21	3	0.49
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD22	3	0.49
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD23	3	0.49
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD11	6	0.49
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD12	6	0.49
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD13	6	0.49
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD21	6	0.49
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD22	6	0.49
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD23	6	0.49
(1,2805)	1:51:A:THR:HB	1:50:A:LEU:HD11	10	0.49
(1,2805)	1:51:A:THR:HB	1:50:A:LEU:HD12	10	0.49
(1,2805)	1:51:A:THR:HB	1:50:A:LEU:HD13	10	0.49
(1,2805)	1:51:A:THR:HB	1:50:A:LEU:HD21	10	0.49
(1,2805)	1:51:A:THR:HB	1:50:A:LEU:HD22	10	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2805)	1:51:A:THR:HB	1:50:A:LEU:HD23	10	0.49
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	15	0.49
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	15	0.49
(1,2796)	1:49:A:GLU:H	1:51:A:THR:HA	15	0.49
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG21	2	0.49
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG22	2	0.49
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG23	2	0.49
(1,2777)	1:45:A:THR:HA	1:48:A:ASN:HB2	5	0.49
(1,2777)	1:45:A:THR:HA	1:48:A:ASN:HB3	5	0.49
(1,2724)	1:71:A:LEU:HB3	1:75:A:THR:H	1	0.49
(1,2724)	1:71:A:LEU:HB3	1:75:A:THR:H	7	0.49
(1,2724)	1:71:A:LEU:HB3	1:75:A:THR:H	10	0.49
(1,2724)	1:71:A:LEU:HB3	1:75:A:THR:H	12	0.49
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD21	14	0.49
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD22	14	0.49
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD23	14	0.49
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD11	14	0.49
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD12	14	0.49
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD13	14	0.49
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD11	3	0.49
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD12	3	0.49
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD13	3	0.49
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	6	0.49
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	6	0.49
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	6	0.49
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	6	0.49
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	6	0.49
(1,2704)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	6	0.49
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	6	0.49
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	6	0.49
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	6	0.49
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	6	0.49
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	6	0.49
(1,2704)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	6	0.49
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD11	3	0.49
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD12	3	0.49
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD13	3	0.49
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD21	3	0.49
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD22	3	0.49
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD23	3	0.49
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD11	6	0.49
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD12	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD13	6	0.49
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD21	6	0.49
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD22	6	0.49
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD23	6	0.49
(1,2681)	1:51:A:THR:HB	1:50:A:LEU:HD11	10	0.49
(1,2681)	1:51:A:THR:HB	1:50:A:LEU:HD12	10	0.49
(1,2681)	1:51:A:THR:HB	1:50:A:LEU:HD13	10	0.49
(1,2681)	1:51:A:THR:HB	1:50:A:LEU:HD21	10	0.49
(1,2681)	1:51:A:THR:HB	1:50:A:LEU:HD22	10	0.49
(1,2681)	1:51:A:THR:HB	1:50:A:LEU:HD23	10	0.49
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	15	0.49
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	15	0.49
(1,2672)	1:49:A:GLU:H	1:51:A:THR:HA	15	0.49
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG21	2	0.49
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG22	2	0.49
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG23	2	0.49
(1,2653)	1:45:A:THR:HA	1:48:A:ASN:HB2	5	0.49
(1,2653)	1:45:A:THR:HA	1:48:A:ASN:HB3	5	0.49
(1,2600)	1:71:A:LEU:HB3	1:75:A:THR:H	1	0.49
(1,2600)	1:71:A:LEU:HB3	1:75:A:THR:H	7	0.49
(1,2600)	1:71:A:LEU:HB3	1:75:A:THR:H	10	0.49
(1,2600)	1:71:A:LEU:HB3	1:75:A:THR:H	12	0.49
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD21	14	0.49
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD22	14	0.49
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD23	14	0.49
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD11	14	0.49
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD12	14	0.49
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD13	14	0.49
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD11	3	0.49
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD12	3	0.49
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD13	3	0.49
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	6	0.49
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	6	0.49
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	6	0.49
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	6	0.49
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	6	0.49
(1,2580)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	6	0.49
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	6	0.49
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	6	0.49
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	6	0.49
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	6	0.49
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2580)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	6	0.49
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD11	3	0.49
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD12	3	0.49
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD13	3	0.49
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD21	3	0.49
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD22	3	0.49
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD23	3	0.49
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD11	6	0.49
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD12	6	0.49
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD13	6	0.49
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD21	6	0.49
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD22	6	0.49
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD23	6	0.49
(1,2557)	1:51:A:THR:HB	1:50:A:LEU:HD11	10	0.49
(1,2557)	1:51:A:THR:HB	1:50:A:LEU:HD12	10	0.49
(1,2557)	1:51:A:THR:HB	1:50:A:LEU:HD13	10	0.49
(1,2557)	1:51:A:THR:HB	1:50:A:LEU:HD21	10	0.49
(1,2557)	1:51:A:THR:HB	1:50:A:LEU:HD22	10	0.49
(1,2557)	1:51:A:THR:HB	1:50:A:LEU:HD23	10	0.49
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	15	0.49
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	15	0.49
(1,2548)	1:49:A:GLU:H	1:51:A:THR:HA	15	0.49
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG21	2	0.49
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG22	2	0.49
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG23	2	0.49
(1,2529)	1:45:A:THR:HA	1:48:A:ASN:HB2	5	0.49
(1,2529)	1:45:A:THR:HA	1:48:A:ASN:HB3	5	0.49
(1,2476)	1:71:A:LEU:HB3	1:75:A:THR:H	1	0.49
(1,2476)	1:71:A:LEU:HB3	1:75:A:THR:H	7	0.49
(1,2476)	1:71:A:LEU:HB3	1:75:A:THR:H	10	0.49
(1,2476)	1:71:A:LEU:HB3	1:75:A:THR:H	12	0.49
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD21	14	0.49
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD22	14	0.49
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD23	14	0.49
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD11	14	0.49
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD12	14	0.49
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD13	14	0.49
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD11	3	0.49
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD12	3	0.49
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD13	3	0.49
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	6	0.49
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	6	0.49
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	6	0.49
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	6	0.49
(1,2456)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	6	0.49
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	6	0.49
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	6	0.49
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	6	0.49
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	6	0.49
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	6	0.49
(1,2456)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	6	0.49
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD11	3	0.49
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD12	3	0.49
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD13	3	0.49
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD21	3	0.49
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD22	3	0.49
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD23	3	0.49
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD11	6	0.49
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD12	6	0.49
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD13	6	0.49
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD21	6	0.49
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD22	6	0.49
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD23	6	0.49
(1,2433)	1:51:A:THR:HB	1:50:A:LEU:HD11	10	0.49
(1,2433)	1:51:A:THR:HB	1:50:A:LEU:HD12	10	0.49
(1,2433)	1:51:A:THR:HB	1:50:A:LEU:HD13	10	0.49
(1,2433)	1:51:A:THR:HB	1:50:A:LEU:HD21	10	0.49
(1,2433)	1:51:A:THR:HB	1:50:A:LEU:HD22	10	0.49
(1,2433)	1:51:A:THR:HB	1:50:A:LEU:HD23	10	0.49
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	15	0.49
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	15	0.49
(1,2424)	1:49:A:GLU:H	1:51:A:THR:HA	15	0.49
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG21	2	0.49
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG22	2	0.49
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG23	2	0.49
(1,2405)	1:45:A:THR:HA	1:48:A:ASN:HB2	5	0.49
(1,2405)	1:45:A:THR:HA	1:48:A:ASN:HB3	5	0.49
(1,2352)	1:71:A:LEU:HB3	1:75:A:THR:H	1	0.49
(1,2352)	1:71:A:LEU:HB3	1:75:A:THR:H	7	0.49
(1,2352)	1:71:A:LEU:HB3	1:75:A:THR:H	10	0.49
(1,2352)	1:71:A:LEU:HB3	1:75:A:THR:H	12	0.49
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD21	14	0.49
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD22	14	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD23	14	0.49
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD11	14	0.49
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD12	14	0.49
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD13	14	0.49
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD11	3	0.49
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD12	3	0.49
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD13	3	0.49
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD11	6	0.49
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD12	6	0.49
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD13	6	0.49
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD21	6	0.49
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD22	6	0.49
(1,2332)	1:57:A:GLN:HG2	1:54:A:LEU:HD23	6	0.49
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD11	6	0.49
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD12	6	0.49
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD13	6	0.49
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD21	6	0.49
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD22	6	0.49
(1,2332)	1:57:A:GLN:HG3	1:54:A:LEU:HD23	6	0.49
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD11	3	0.49
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD12	3	0.49
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD13	3	0.49
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD21	3	0.49
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD22	3	0.49
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD23	3	0.49
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD11	6	0.49
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD12	6	0.49
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD13	6	0.49
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD21	6	0.49
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD22	6	0.49
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD23	6	0.49
(1,2309)	1:51:A:THR:HB	1:50:A:LEU:HD11	10	0.49
(1,2309)	1:51:A:THR:HB	1:50:A:LEU:HD12	10	0.49
(1,2309)	1:51:A:THR:HB	1:50:A:LEU:HD13	10	0.49
(1,2309)	1:51:A:THR:HB	1:50:A:LEU:HD21	10	0.49
(1,2309)	1:51:A:THR:HB	1:50:A:LEU:HD22	10	0.49
(1,2309)	1:51:A:THR:HB	1:50:A:LEU:HD23	10	0.49
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	15	0.49
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	15	0.49
(1,2300)	1:49:A:GLU:H	1:51:A:THR:HA	15	0.49
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG21	2	0.49
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG22	2	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG23	2	0.49
(1,2281)	1:45:A:THR:HA	1:48:A:ASN:HB2	5	0.49
(1,2281)	1:45:A:THR:HA	1:48:A:ASN:HB3	5	0.49
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB1	2	0.49
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB2	2	0.49
(1,2223)	1:100:A:ASP:H	1:98:A:ALA:HB3	2	0.49
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB1	9	0.49
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB2	9	0.49
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB3	9	0.49
(1,2173)	1:94:A:ARG:HG2	1:95:A:SER:H	3	0.49
(1,2173)	1:94:A:ARG:HG2	1:95:A:SER:H	6	0.49
(1,2169)	1:94:A:ARG:H	1:93:A:LYS:HG2	10	0.49
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB1	6	0.49
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB2	6	0.49
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB3	6	0.49
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB1	6	0.49
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB2	6	0.49
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB3	6	0.49
(1,2119)	1:86:A:ARG:HG3	1:87:A:GLN:H	1	0.49
(1,2119)	1:86:A:ARG:HG2	1:87:A:GLN:H	1	0.49
(1,2119)	1:86:A:ARG:HG3	1:87:A:GLN:H	4	0.49
(1,2119)	1:86:A:ARG:HG2	1:87:A:GLN:H	4	0.49
(1,2089)	1:83:A:ASP:HA	1:87:A:GLN:H	14	0.49
(1,2036)	1:78:A:LEU:H	1:77:A:GLU:HB3	5	0.49
(1,2036)	1:78:A:LEU:H	1:77:A:GLU:HB3	15	0.49
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB1	14	0.49
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB2	14	0.49
(1,2032)	1:77:A:GLU:HG2	1:80:A:ALA:HB3	14	0.49
(1,1956)	1:68:A:LYS:HB2	1:69:A:ALA:H	2	0.49
(1,1956)	1:68:A:LYS:HB3	1:69:A:ALA:H	2	0.49
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG21	9	0.49
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG22	9	0.49
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG23	9	0.49
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG21	9	0.49
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG22	9	0.49
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG23	9	0.49
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB1	6	0.49
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB2	6	0.49
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB3	6	0.49
(1,1879)	1:61:A:ASP:HB2	1:58:A:GLU:HA	12	0.49
(1,1879)	1:61:A:ASP:HB3	1:58:A:GLU:HA	12	0.49
(1,1839)	1:51:A:THR:HB	1:48:A:ASN:HA	3	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1839)	1:51:A:THR:HB	1:48:A:ASN:HA	4	0.49
(1,1775)	1:39:A:LEU:H	1:36:A:ILE:HA	1	0.49
(1,1775)	1:39:A:LEU:H	1:36:A:ILE:HA	11	0.49
(1,1775)	1:39:A:LEU:H	1:36:A:ILE:HA	14	0.49
(1,1769)	1:37:A:ARG:HA	1:41:A:SER:H	10	0.49
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB1	5	0.49
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB2	5	0.49
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB3	5	0.49
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB1	6	0.49
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB2	6	0.49
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB3	6	0.49
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB1	14	0.49
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB2	14	0.49
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB3	14	0.49
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB2	12	0.49
(1,1697)	1:21:A:GLY:H	1:20:A:LEU:HB3	12	0.49
(1,1672)	1:16:A:GLY:H	1:12:A:VAL:HA	7	0.49
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD11	1	0.49
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD12	1	0.49
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD13	1	0.49
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD21	1	0.49
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD22	1	0.49
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD23	1	0.49
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD11	5	0.49
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD12	5	0.49
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD13	5	0.49
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD21	5	0.49
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD22	5	0.49
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD23	5	0.49
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG21	5	0.49
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG22	5	0.49
(1,1636)	1:13:A:PHE:HB2	1:12:A:VAL:HG23	5	0.49
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG21	5	0.49
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG22	5	0.49
(1,1636)	1:13:A:PHE:HB3	1:12:A:VAL:HG23	5	0.49
(1,1630)	1:12:A:VAL:HB	1:9:A:LEU:HA	10	0.49
(1,1626)	1:11:A:LEU:H	1:10:A:LEU:H	4	0.49
(1,1626)	1:11:A:LEU:H	1:10:A:LEU:H	14	0.49
(1,1621)	1:10:A:LEU:H	1:9:A:LEU:H	9	0.49
(1,1621)	1:10:A:LEU:H	1:9:A:LEU:H	14	0.49
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG11	1	0.49
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG12	1	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG13	1	0.49
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG21	1	0.49
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG22	1	0.49
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG23	1	0.49
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG11	3	0.49
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG12	3	0.49
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG13	3	0.49
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG21	3	0.49
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG22	3	0.49
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG23	3	0.49
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG11	9	0.49
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG12	9	0.49
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG13	9	0.49
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG21	9	0.49
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG22	9	0.49
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG23	9	0.49
(1,1587)	1:6:A:PHE:H	1:4:A:ILE:HA	7	0.49
(1,1529)	1:96:A:TYR:HB2	1:95:A:SER:H	14	0.49
(1,1529)	1:96:A:TYR:HB3	1:95:A:SER:H	14	0.49
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG21	6	0.49
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG22	6	0.49
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG23	6	0.49
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG21	8	0.49
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG22	8	0.49
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG23	8	0.49
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG21	3	0.49
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG22	3	0.49
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG23	3	0.49
(1,1386)	1:42:A:LEU:HD11	1:39:A:LEU:H	1	0.49
(1,1386)	1:42:A:LEU:HD12	1:39:A:LEU:H	1	0.49
(1,1386)	1:42:A:LEU:HD13	1:39:A:LEU:H	1	0.49
(1,1386)	1:42:A:LEU:HD21	1:39:A:LEU:H	1	0.49
(1,1386)	1:42:A:LEU:HD22	1:39:A:LEU:H	1	0.49
(1,1386)	1:42:A:LEU:HD23	1:39:A:LEU:H	1	0.49
(1,1365)	1:36:A:ILE:HG12	1:35:A:TRP:H	7	0.49
(1,1365)	1:36:A:ILE:HG12	1:35:A:TRP:H	9	0.49
(1,1365)	1:36:A:ILE:HG12	1:35:A:TRP:H	10	0.49
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG21	3	0.49
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG22	3	0.49
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG23	3	0.49
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG21	9	0.49
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG22	9	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG23	9	0.49
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG21	10	0.49
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG22	10	0.49
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG23	10	0.49
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG21	12	0.49
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG22	12	0.49
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG23	12	0.49
(4,129)	1:34:A:GLY:O	1:38:A:ALA:N	6	0.48
(4,129)	1:34:A:GLY:O	1:38:A:ALA:N	11	0.48
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD21	4	0.48
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD22	4	0.48
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD23	4	0.48
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD11	4	0.48
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD12	4	0.48
(1,2847)	1:71:A:LEU:HA	1:74:A:LEU:HD13	4	0.48
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG2	4	0.48
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG3	4	0.48
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	10	0.48
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	10	0.48
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	10	0.48
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	10	0.48
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	10	0.48
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	10	0.48
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD21	4	0.48
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD22	4	0.48
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD23	4	0.48
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD11	4	0.48
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD12	4	0.48
(1,2723)	1:71:A:LEU:HA	1:74:A:LEU:HD13	4	0.48
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG2	4	0.48
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG3	4	0.48
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	10	0.48
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	10	0.48
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	10	0.48
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	10	0.48
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	10	0.48
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	10	0.48
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD21	4	0.48
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD22	4	0.48
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD23	4	0.48
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD11	4	0.48
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD12	4	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2599)	1:71:A:LEU:HA	1:74:A:LEU:HD13	4	0.48
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG2	4	0.48
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG3	4	0.48
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	10	0.48
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	10	0.48
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	10	0.48
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	10	0.48
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	10	0.48
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	10	0.48
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD21	4	0.48
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD22	4	0.48
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD23	4	0.48
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD11	4	0.48
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD12	4	0.48
(1,2475)	1:71:A:LEU:HA	1:74:A:LEU:HD13	4	0.48
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG2	4	0.48
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG3	4	0.48
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	10	0.48
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	10	0.48
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	10	0.48
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	10	0.48
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	10	0.48
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	10	0.48
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD21	4	0.48
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD22	4	0.48
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD23	4	0.48
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD11	4	0.48
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD12	4	0.48
(1,2351)	1:71:A:LEU:HA	1:74:A:LEU:HD13	4	0.48
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG2	4	0.48
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG3	4	0.48
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	10	0.48
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	10	0.48
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	10	0.48
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	10	0.48
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	10	0.48
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	10	0.48
(1,2234)	1:101:A:PRO:HD2	1:103:A:GLU:H	13	0.48
(1,2234)	1:101:A:PRO:HD3	1:103:A:GLU:H	13	0.48
(1,2234)	1:101:A:PRO:HD2	1:103:A:GLU:H	15	0.48
(1,2234)	1:101:A:PRO:HD3	1:103:A:GLU:H	15	0.48
(1,2229)	1:101:A:PRO:HD2	1:102:A:LEU:H	11	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2229)	1:101:A:PRO:HD3	1:102:A:LEU:H	11	0.48
(1,2215)	1:98:A:ALA:H	1:99:A:ASN:HA	6	0.48
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE1	9	0.48
(1,2203)	1:97:A:VAL:HA	1:96:A:TYR:HE2	9	0.48
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB1	3	0.48
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB2	3	0.48
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB3	3	0.48
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB1	3	0.48
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB2	3	0.48
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB3	3	0.48
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB1	5	0.48
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB2	5	0.48
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB3	5	0.48
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB1	5	0.48
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB2	5	0.48
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB3	5	0.48
(1,2127)	1:87:A:GLN:HE21	1:83:A:ASP:HB3	9	0.48
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB1	8	0.48
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB2	8	0.48
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB3	8	0.48
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB1	8	0.48
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB2	8	0.48
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB3	8	0.48
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB1	15	0.48
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB2	15	0.48
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB3	15	0.48
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB1	15	0.48
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB2	15	0.48
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB3	15	0.48
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD11	15	0.48
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD12	15	0.48
(1,2064)	1:82:A:MET:HG2	1:78:A:LEU:HD13	15	0.48
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD11	15	0.48
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD12	15	0.48
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD13	15	0.48
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD21	15	0.48
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD22	15	0.48
(1,2064)	1:82:A:MET:HG3	1:78:A:LEU:HD23	15	0.48
(1,2038)	1:78:A:LEU:HA	1:81:A:SER:HB3	2	0.48
(1,2036)	1:78:A:LEU:H	1:77:A:GLU:HB3	2	0.48
(1,2029)	1:77:A:GLU:H	1:78:A:LEU:H	1	0.48
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB2	15	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB3	15	0.48
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD11	9	0.48
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD12	9	0.48
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD13	9	0.48
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD21	9	0.48
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD22	9	0.48
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD23	9	0.48
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD11	9	0.48
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD12	9	0.48
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD13	9	0.48
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD21	9	0.48
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD22	9	0.48
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD23	9	0.48
(1,1956)	1:68:A:LYS:HB2	1:69:A:ALA:H	8	0.48
(1,1956)	1:68:A:LYS:HB3	1:69:A:ALA:H	8	0.48
(1,1956)	1:68:A:LYS:HB2	1:69:A:ALA:H	11	0.48
(1,1956)	1:68:A:LYS:HB3	1:69:A:ALA:H	11	0.48
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG21	1	0.48
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG22	1	0.48
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG23	1	0.48
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG21	1	0.48
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG22	1	0.48
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG23	1	0.48
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG21	2	0.48
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG22	2	0.48
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG23	2	0.48
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG21	2	0.48
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG22	2	0.48
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG23	2	0.48
(1,1930)	1:65:A:LYS:H	1:67:A:GLU:H	7	0.48
(1,1909)	1:64:A:LYS:H	1:62:A:SER:HA	5	0.48
(1,1879)	1:61:A:ASP:HB2	1:58:A:GLU:HA	13	0.48
(1,1879)	1:61:A:ASP:HB3	1:58:A:GLU:HA	13	0.48
(1,1873)	1:60:A:GLN:HG2	1:61:A:ASP:H	11	0.48
(1,1873)	1:60:A:GLN:HG3	1:61:A:ASP:H	11	0.48
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD11	8	0.48
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD12	8	0.48
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD13	8	0.48
(1,1837)	1:49:A:GLU:H	1:48:A:ASN:HA	4	0.48
(1,1823)	1:46:A:VAL:HA	1:48:A:ASN:H	3	0.48
(1,1782)	1:40:A:ARG:HG3	1:44:A:THR:HB	2	0.48
(1,1775)	1:39:A:LEU:H	1:36:A:ILE:HA	4	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1775)	1:39:A:LEU:H	1:36:A:ILE:HA	6	0.48
(1,1769)	1:37:A:ARG:HA	1:41:A:SER:H	15	0.48
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB1	3	0.48
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB2	3	0.48
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB3	3	0.48
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB1	4	0.48
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB2	4	0.48
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB3	4	0.48
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB1	8	0.48
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB2	8	0.48
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB3	8	0.48
(1,1672)	1:16:A:GLY:H	1:12:A:VAL:HA	15	0.48
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD11	4	0.48
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD12	4	0.48
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD13	4	0.48
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD21	4	0.48
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD22	4	0.48
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD23	4	0.48
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD11	14	0.48
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD12	14	0.48
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD13	14	0.48
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD21	14	0.48
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD22	14	0.48
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD23	14	0.48
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD11	15	0.48
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD12	15	0.48
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD13	15	0.48
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD21	15	0.48
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD22	15	0.48
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD23	15	0.48
(1,1651)	1:13:A:PHE:HE1	1:17:A:LEU:HG	4	0.48
(1,1651)	1:13:A:PHE:HE2	1:17:A:LEU:HG	4	0.48
(1,1651)	1:13:A:PHE:HE1	1:17:A:LEU:HG	9	0.48
(1,1651)	1:13:A:PHE:HE2	1:17:A:LEU:HG	9	0.48
(1,1651)	1:13:A:PHE:HE1	1:17:A:LEU:HG	14	0.48
(1,1651)	1:13:A:PHE:HE2	1:17:A:LEU:HG	14	0.48
(1,1621)	1:10:A:LEU:H	1:9:A:LEU:H	4	0.48
(1,1612)	1:8:A:GLU:H	1:7:A:SER:H	11	0.48
(1,1550)	1:2:A:PHE:HB2	1:2:A:PHE:HA	11	0.48
(1,1549)	1:2:A:PHE:HB2	1:2:A:PHE:H	14	0.48
(1,1482)	1:76:A:PRO:HA	1:79:A:LYS:HB2	8	0.48
(1,1482)	1:76:A:PRO:HA	1:79:A:LYS:HB2	14	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD11	10	0.48
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD12	10	0.48
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD13	10	0.48
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD21	10	0.48
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD22	10	0.48
(1,1449)	1:66:A:VAL:HB	1:63:A:LEU:HD23	10	0.48
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD2	14	0.48
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD3	14	0.48
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG2	10	0.48
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG3	10	0.48
(1,1365)	1:36:A:ILE:HG12	1:35:A:TRP:H	1	0.48
(1,1290)	1:17:A:LEU:HD21	1:13:A:PHE:HE1	11	0.48
(1,1290)	1:17:A:LEU:HD21	1:13:A:PHE:HE2	11	0.48
(1,1290)	1:17:A:LEU:HD22	1:13:A:PHE:HE1	11	0.48
(1,1290)	1:17:A:LEU:HD22	1:13:A:PHE:HE2	11	0.48
(1,1290)	1:17:A:LEU:HD23	1:13:A:PHE:HE1	11	0.48
(1,1290)	1:17:A:LEU:HD23	1:13:A:PHE:HE2	11	0.48
(1,1290)	1:17:A:LEU:HD11	1:13:A:PHE:HE1	11	0.48
(1,1290)	1:17:A:LEU:HD11	1:13:A:PHE:HE2	11	0.48
(1,1290)	1:17:A:LEU:HD12	1:13:A:PHE:HE1	11	0.48
(1,1290)	1:17:A:LEU:HD12	1:13:A:PHE:HE2	11	0.48
(1,1290)	1:17:A:LEU:HD13	1:13:A:PHE:HE1	11	0.48
(1,1290)	1:17:A:LEU:HD13	1:13:A:PHE:HE2	11	0.48
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG21	11	0.48
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG22	11	0.48
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG23	11	0.48
(4,129)	1:34:A:GLY:O	1:38:A:ALA:N	3	0.47
(4,129)	1:34:A:GLY:O	1:38:A:ALA:N	4	0.47
(4,129)	1:34:A:GLY:O	1:38:A:ALA:N	5	0.47
(4,129)	1:34:A:GLY:O	1:38:A:ALA:N	7	0.47
(4,129)	1:34:A:GLY:O	1:38:A:ALA:N	8	0.47
(4,129)	1:34:A:GLY:O	1:38:A:ALA:N	9	0.47
(4,129)	1:34:A:GLY:O	1:38:A:ALA:N	10	0.47
(4,129)	1:34:A:GLY:O	1:38:A:ALA:N	13	0.47
(4,129)	1:34:A:GLY:O	1:38:A:ALA:N	15	0.47
(2,104)	1:98:A:ALA:H	1:96:A:TYR:HE1	11	0.47
(2,104)	1:98:A:ALA:H	1:96:A:TYR:HE2	11	0.47
(2,104)	1:98:A:ALA:H	1:96:A:TYR:HE1	14	0.47
(2,104)	1:98:A:ALA:H	1:96:A:TYR:HE2	14	0.47
(2,67)	1:57:A:GLN:HA	1:59:A:PHE:HD1	15	0.47
(2,67)	1:57:A:GLN:HA	1:59:A:PHE:HD2	15	0.47
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD11	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD12	4	0.47
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD13	4	0.47
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD21	4	0.47
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD22	4	0.47
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD23	4	0.47
(1,2796)	1:49:A:GLU:H	1:51:A:THR:HA	2	0.47
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD11	4	0.47
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD12	4	0.47
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD13	4	0.47
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD21	4	0.47
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD22	4	0.47
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD23	4	0.47
(1,2672)	1:49:A:GLU:H	1:51:A:THR:HA	2	0.47
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD11	4	0.47
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD12	4	0.47
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD13	4	0.47
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD21	4	0.47
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD22	4	0.47
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD23	4	0.47
(1,2548)	1:49:A:GLU:H	1:51:A:THR:HA	2	0.47
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD11	4	0.47
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD12	4	0.47
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD13	4	0.47
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD21	4	0.47
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD22	4	0.47
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD23	4	0.47
(1,2424)	1:49:A:GLU:H	1:51:A:THR:HA	2	0.47
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD11	4	0.47
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD12	4	0.47
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD13	4	0.47
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD21	4	0.47
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD22	4	0.47
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD23	4	0.47
(1,2300)	1:49:A:GLU:H	1:51:A:THR:HA	2	0.47
(1,2234)	1:101:A:PRO:HD2	1:103:A:GLU:H	12	0.47
(1,2234)	1:101:A:PRO:HD3	1:103:A:GLU:H	12	0.47
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB1	6	0.47
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB2	6	0.47
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB3	6	0.47
(1,2177)	1:94:A:ARG:HA	1:97:A:VAL:HB	1	0.47
(1,2173)	1:94:A:ARG:HG2	1:95:A:SER:H	8	0.47
(1,2151)	1:91:A:SER:HB2	1:92:A:MET:HG3	6	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2151)	1:91:A:SER:HB3	1:92:A:MET:HG3	6	0.47
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB1	4	0.47
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB2	4	0.47
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB3	4	0.47
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB1	4	0.47
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB2	4	0.47
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB3	4	0.47
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB1	9	0.47
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB2	9	0.47
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB3	9	0.47
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB1	9	0.47
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB2	9	0.47
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB3	9	0.47
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB1	12	0.47
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB2	12	0.47
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB3	12	0.47
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB1	12	0.47
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB2	12	0.47
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB3	12	0.47
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB1	13	0.47
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB2	13	0.47
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB3	13	0.47
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB1	13	0.47
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB2	13	0.47
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB3	13	0.47
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB1	15	0.47
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB2	15	0.47
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB3	15	0.47
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB1	15	0.47
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB2	15	0.47
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB3	15	0.47
(1,2029)	1:77:A:GLU:H	1:78:A:LEU:H	10	0.47
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG2	12	0.47
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG3	12	0.47
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG21	12	0.47
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG22	12	0.47
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG23	12	0.47
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG21	12	0.47
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG22	12	0.47
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG23	12	0.47
(1,1909)	1:64:A:LYS:H	1:62:A:SER:HA	7	0.47
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG11	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG12	4	0.47
(1,1828)	1:47:A:GLN:H	1:46:A:VAL:HG13	4	0.47
(1,1823)	1:46:A:VAL:HA	1:48:A:ASN:H	4	0.47
(1,1817)	1:46:A:VAL:H	1:43:A:ALA:HA	13	0.47
(1,1817)	1:46:A:VAL:H	1:43:A:ALA:HA	14	0.47
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB1	6	0.47
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB2	6	0.47
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB3	6	0.47
(1,1769)	1:37:A:ARG:HA	1:41:A:SER:H	9	0.47
(1,1769)	1:37:A:ARG:HA	1:41:A:SER:H	14	0.47
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB1	15	0.47
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB2	15	0.47
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB3	15	0.47
(1,1663)	1:15:A:ILE:HB	1:12:A:VAL:HA	2	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD11	3	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD12	3	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD13	3	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD21	3	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD22	3	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD23	3	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD11	7	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD12	7	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD13	7	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD21	7	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD22	7	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD23	7	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD11	8	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD12	8	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD13	8	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD21	8	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD22	8	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD23	8	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD11	10	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD12	10	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD13	10	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD21	10	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD22	10	0.47
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD23	10	0.47
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD21	1	0.47
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD22	1	0.47
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD23	1	0.47
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD21	1	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD22	1	0.47
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD23	1	0.47
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG11	8	0.47
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG12	8	0.47
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG13	8	0.47
(1,1621)	1:10:A:LEU:H	1:9:A:LEU:H	1	0.47
(1,1621)	1:10:A:LEU:H	1:9:A:LEU:H	2	0.47
(1,1621)	1:10:A:LEU:H	1:9:A:LEU:H	10	0.47
(1,1549)	1:2:A:PHE:HB2	1:2:A:PHE:H	1	0.47
(1,1549)	1:2:A:PHE:HB2	1:2:A:PHE:H	3	0.47
(1,1549)	1:2:A:PHE:HB2	1:2:A:PHE:H	5	0.47
(1,1549)	1:2:A:PHE:HB2	1:2:A:PHE:H	8	0.47
(1,1549)	1:2:A:PHE:HB2	1:2:A:PHE:H	9	0.47
(1,1482)	1:76:A:PRO:HA	1:79:A:LYS:HB2	4	0.47
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG21	13	0.47
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG22	13	0.47
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG23	13	0.47
(1,1440)	1:59:A:PHE:HD1	1:63:A:LEU:HD21	15	0.47
(1,1440)	1:59:A:PHE:HD1	1:63:A:LEU:HD22	15	0.47
(1,1440)	1:59:A:PHE:HD1	1:63:A:LEU:HD23	15	0.47
(1,1440)	1:59:A:PHE:HD2	1:63:A:LEU:HD21	15	0.47
(1,1440)	1:59:A:PHE:HD2	1:63:A:LEU:HD22	15	0.47
(1,1440)	1:59:A:PHE:HD2	1:63:A:LEU:HD23	15	0.47
(1,1440)	1:59:A:PHE:HD1	1:63:A:LEU:HD11	15	0.47
(1,1440)	1:59:A:PHE:HD1	1:63:A:LEU:HD12	15	0.47
(1,1440)	1:59:A:PHE:HD1	1:63:A:LEU:HD13	15	0.47
(1,1440)	1:59:A:PHE:HD2	1:63:A:LEU:HD11	15	0.47
(1,1440)	1:59:A:PHE:HD2	1:63:A:LEU:HD12	15	0.47
(1,1440)	1:59:A:PHE:HD2	1:63:A:LEU:HD13	15	0.47
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD2	5	0.47
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD3	5	0.47
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD2	8	0.47
(1,1437)	1:58:A:GLU:H	1:55:A:LYS:HD3	8	0.47
(1,1435)	1:57:A:GLN:HG2	1:61:A:ASP:H	12	0.47
(1,1435)	1:57:A:GLN:HG3	1:61:A:ASP:H	12	0.47
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG21	8	0.47
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG22	8	0.47
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG23	8	0.47
(1,1365)	1:36:A:ILE:HG12	1:35:A:TRP:H	2	0.47
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD11	13	0.47
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD12	13	0.47
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD13	13	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD11	8	0.47
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD12	8	0.47
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD13	8	0.47
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD21	8	0.47
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD22	8	0.47
(1,1247)	1:6:A:PHE:HB2	1:9:A:LEU:HD23	8	0.47
(1,953)	1:62:A:SER:HA	1:65:A:LYS:HD2	2	0.47
(1,953)	1:62:A:SER:HA	1:65:A:LYS:HD3	2	0.47
(1,240)	1:4:A:ILE:HD11	1:6:A:PHE:H	13	0.47
(1,240)	1:4:A:ILE:HD12	1:6:A:PHE:H	13	0.47
(1,240)	1:4:A:ILE:HD13	1:6:A:PHE:H	13	0.47
(4,129)	1:34:A:GLY:O	1:38:A:ALA:N	12	0.46
(2,265)	1:46:A:VAL:HB	1:50:A:LEU:HD11	4	0.46
(2,265)	1:46:A:VAL:HB	1:50:A:LEU:HD12	4	0.46
(2,265)	1:46:A:VAL:HB	1:50:A:LEU:HD13	4	0.46
(2,67)	1:57:A:GLN:HA	1:59:A:PHE:HD1	7	0.46
(2,67)	1:57:A:GLN:HA	1:59:A:PHE:HD2	7	0.46
(1,2848)	1:71:A:LEU:HB3	1:75:A:THR:H	2	0.46
(1,2845)	1:71:A:LEU:H	1:68:A:LYS:HG2	11	0.46
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG21	9	0.46
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG22	9	0.46
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG23	9	0.46
(1,2778)	1:45:A:THR:HA	1:49:A:GLU:H	6	0.46
(1,2724)	1:71:A:LEU:HB3	1:75:A:THR:H	2	0.46
(1,2721)	1:71:A:LEU:H	1:68:A:LYS:HG2	11	0.46
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG21	9	0.46
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG22	9	0.46
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG23	9	0.46
(1,2654)	1:45:A:THR:HA	1:49:A:GLU:H	6	0.46
(1,2600)	1:71:A:LEU:HB3	1:75:A:THR:H	2	0.46
(1,2597)	1:71:A:LEU:H	1:68:A:LYS:HG2	11	0.46
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG21	9	0.46
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG22	9	0.46
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG23	9	0.46
(1,2530)	1:45:A:THR:HA	1:49:A:GLU:H	6	0.46
(1,2476)	1:71:A:LEU:HB3	1:75:A:THR:H	2	0.46
(1,2473)	1:71:A:LEU:H	1:68:A:LYS:HG2	11	0.46
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG21	9	0.46
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG22	9	0.46
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG23	9	0.46
(1,2406)	1:45:A:THR:HA	1:49:A:GLU:H	6	0.46
(1,2352)	1:71:A:LEU:HB3	1:75:A:THR:H	2	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2349)	1:71:A:LEU:H	1:68:A:LYS:HG2	11	0.46
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG21	9	0.46
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG22	9	0.46
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG23	9	0.46
(1,2282)	1:45:A:THR:HA	1:49:A:GLU:H	6	0.46
(1,2227)	1:101:A:PRO:HG2	1:100:A:ASP:HA	7	0.46
(1,2227)	1:101:A:PRO:HG3	1:100:A:ASP:HA	7	0.46
(1,2219)	1:99:A:ASN:HB3	1:98:A:ALA:HB1	8	0.46
(1,2219)	1:99:A:ASN:HB3	1:98:A:ALA:HB2	8	0.46
(1,2219)	1:99:A:ASN:HB3	1:98:A:ALA:HB3	8	0.46
(1,2219)	1:99:A:ASN:HB2	1:98:A:ALA:HB1	8	0.46
(1,2219)	1:99:A:ASN:HB2	1:98:A:ALA:HB2	8	0.46
(1,2219)	1:99:A:ASN:HB2	1:98:A:ALA:HB3	8	0.46
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB1	7	0.46
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB2	7	0.46
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB3	7	0.46
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB1	1	0.46
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB2	1	0.46
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB3	1	0.46
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB1	1	0.46
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB2	1	0.46
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB3	1	0.46
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB1	10	0.46
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB2	10	0.46
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB3	10	0.46
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB1	10	0.46
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB2	10	0.46
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB3	10	0.46
(1,2119)	1:86:A:ARG:HG3	1:87:A:GLN:H	10	0.46
(1,2119)	1:86:A:ARG:HG2	1:87:A:GLN:H	10	0.46
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB1	14	0.46
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB2	14	0.46
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB3	14	0.46
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB1	14	0.46
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB2	14	0.46
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB3	14	0.46
(1,2089)	1:83:A:ASP:HA	1:87:A:GLN:H	12	0.46
(1,2029)	1:77:A:GLU:H	1:78:A:LEU:H	11	0.46
(1,2002)	1:74:A:LEU:H	1:71:A:LEU:HA	3	0.46
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB2	7	0.46
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB3	7	0.46
(1,1956)	1:68:A:LYS:HB2	1:69:A:ALA:H	6	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1956)	1:68:A:LYS:HB3	1:69:A:ALA:H	6	0.46
(1,1882)	1:61:A:ASP:H	1:60:A:GLN:HB2	8	0.46
(1,1882)	1:61:A:ASP:H	1:60:A:GLN:HB2	9	0.46
(1,1879)	1:61:A:ASP:HB2	1:58:A:GLU:HA	4	0.46
(1,1879)	1:61:A:ASP:HB3	1:58:A:GLU:HA	4	0.46
(1,1866)	1:56:A:LEU:HB2	1:60:A:GLN:HE21	7	0.46
(1,1860)	1:54:A:LEU:HG	1:55:A:LYS:H	2	0.46
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG21	7	0.46
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG22	7	0.46
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG23	7	0.46
(1,1839)	1:51:A:THR:HB	1:48:A:ASN:HA	5	0.46
(1,1837)	1:49:A:GLU:H	1:48:A:ASN:HA	3	0.46
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB1	1	0.46
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB2	1	0.46
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB3	1	0.46
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB1	13	0.46
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB2	13	0.46
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB3	13	0.46
(1,1769)	1:37:A:ARG:HA	1:41:A:SER:H	8	0.46
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB1	7	0.46
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB2	7	0.46
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB3	7	0.46
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB1	9	0.46
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB2	9	0.46
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB3	9	0.46
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB2	6	0.46
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB3	6	0.46
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB2	9	0.46
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB3	9	0.46
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG11	13	0.46
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG12	13	0.46
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG13	13	0.46
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG11	2	0.46
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG12	2	0.46
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG13	2	0.46
(1,1626)	1:11:A:LEU:H	1:10:A:LEU:H	9	0.46
(1,1550)	1:2:A:PHE:HB2	1:2:A:PHE:HA	1	0.46
(1,1550)	1:2:A:PHE:HB2	1:2:A:PHE:HA	3	0.46
(1,1550)	1:2:A:PHE:HB2	1:2:A:PHE:HA	5	0.46
(1,1550)	1:2:A:PHE:HB2	1:2:A:PHE:HA	7	0.46
(1,1550)	1:2:A:PHE:HB2	1:2:A:PHE:HA	8	0.46
(1,1550)	1:2:A:PHE:HB2	1:2:A:PHE:HA	9	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1550)	1:2:A:PHE:HB2	1:2:A:PHE:HA	14	0.46
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD11	6	0.46
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD12	6	0.46
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD13	6	0.46
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD21	6	0.46
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD22	6	0.46
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD23	6	0.46
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG21	9	0.46
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG22	9	0.46
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG23	9	0.46
(1,1387)	1:42:A:LEU:HD11	1:39:A:LEU:HA	7	0.46
(1,1387)	1:42:A:LEU:HD12	1:39:A:LEU:HA	7	0.46
(1,1387)	1:42:A:LEU:HD13	1:39:A:LEU:HA	7	0.46
(1,1387)	1:42:A:LEU:HD21	1:39:A:LEU:HA	7	0.46
(1,1387)	1:42:A:LEU:HD22	1:39:A:LEU:HA	7	0.46
(1,1387)	1:42:A:LEU:HD23	1:39:A:LEU:HA	7	0.46
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG21	10	0.46
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG22	10	0.46
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG23	10	0.46
(1,1365)	1:36:A:ILE:HG12	1:35:A:TRP:H	11	0.46
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG21	5	0.46
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG22	5	0.46
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG23	5	0.46
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG11	7	0.46
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG12	7	0.46
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG13	7	0.46
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG21	7	0.46
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG22	7	0.46
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG23	7	0.46
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG11	15	0.46
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG12	15	0.46
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG13	15	0.46
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG21	15	0.46
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG22	15	0.46
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG23	15	0.46
(1,991)	1:11:A:LEU:H	1:9:A:LEU:HA	9	0.46
(1,930)	1:42:A:LEU:HD11	1:45:A:THR:H	2	0.46
(1,930)	1:42:A:LEU:HD12	1:45:A:THR:H	2	0.46
(1,930)	1:42:A:LEU:HD13	1:45:A:THR:H	2	0.46
(1,930)	1:42:A:LEU:HD21	1:45:A:THR:H	2	0.46
(1,930)	1:42:A:LEU:HD22	1:45:A:THR:H	2	0.46
(1,930)	1:42:A:LEU:HD23	1:45:A:THR:H	2	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,930)	1:42:A:LEU:HD11	1:45:A:THR:H	7	0.46
(1,930)	1:42:A:LEU:HD12	1:45:A:THR:H	7	0.46
(1,930)	1:42:A:LEU:HD13	1:45:A:THR:H	7	0.46
(1,930)	1:42:A:LEU:HD21	1:45:A:THR:H	7	0.46
(1,930)	1:42:A:LEU:HD22	1:45:A:THR:H	7	0.46
(1,930)	1:42:A:LEU:HD23	1:45:A:THR:H	7	0.46
(1,930)	1:42:A:LEU:HD11	1:45:A:THR:H	8	0.46
(1,930)	1:42:A:LEU:HD12	1:45:A:THR:H	8	0.46
(1,930)	1:42:A:LEU:HD13	1:45:A:THR:H	8	0.46
(1,930)	1:42:A:LEU:HD21	1:45:A:THR:H	8	0.46
(1,930)	1:42:A:LEU:HD22	1:45:A:THR:H	8	0.46
(1,930)	1:42:A:LEU:HD23	1:45:A:THR:H	8	0.46
(1,930)	1:42:A:LEU:HD11	1:45:A:THR:H	13	0.46
(1,930)	1:42:A:LEU:HD12	1:45:A:THR:H	13	0.46
(1,930)	1:42:A:LEU:HD13	1:45:A:THR:H	13	0.46
(1,930)	1:42:A:LEU:HD21	1:45:A:THR:H	13	0.46
(1,930)	1:42:A:LEU:HD22	1:45:A:THR:H	13	0.46
(1,930)	1:42:A:LEU:HD23	1:45:A:THR:H	13	0.46
(1,828)	1:96:A:TYR:HA	1:100:A:ASP:H	14	0.46
(4,129)	1:34:A:GLY:O	1:38:A:ALA:N	14	0.45
(2,233)	1:101:A:PRO:HA	1:102:A:LEU:HG	14	0.45
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG2	3	0.45
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG3	3	0.45
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD11	6	0.45
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD12	6	0.45
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD13	6	0.45
(1,2803)	1:50:A:LEU:H	1:54:A:LEU:HB3	5	0.45
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG21	8	0.45
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG22	8	0.45
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG23	8	0.45
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG21	14	0.45
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG22	14	0.45
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG23	14	0.45
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	3	0.45
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	3	0.45
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	3	0.45
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	3	0.45
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG2	3	0.45
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG3	3	0.45
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD11	6	0.45
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD12	6	0.45
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD13	6	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2679)	1:50:A:LEU:H	1:54:A:LEU:HB3	5	0.45
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG21	8	0.45
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG22	8	0.45
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG23	8	0.45
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG21	14	0.45
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG22	14	0.45
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG23	14	0.45
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	3	0.45
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	3	0.45
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	3	0.45
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	3	0.45
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG2	3	0.45
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG3	3	0.45
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD11	6	0.45
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD12	6	0.45
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD13	6	0.45
(1,2555)	1:50:A:LEU:H	1:54:A:LEU:HB3	5	0.45
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG21	8	0.45
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG22	8	0.45
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG23	8	0.45
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG21	14	0.45
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG22	14	0.45
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG23	14	0.45
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	3	0.45
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	3	0.45
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	3	0.45
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	3	0.45
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG2	3	0.45
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG3	3	0.45
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD11	6	0.45
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD12	6	0.45
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD13	6	0.45
(1,2431)	1:50:A:LEU:H	1:54:A:LEU:HB3	5	0.45
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG21	8	0.45
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG22	8	0.45
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG23	8	0.45
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG21	14	0.45
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG22	14	0.45
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG23	14	0.45
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	3	0.45
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	3	0.45
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	3	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	3	0.45
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG2	3	0.45
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG3	3	0.45
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD11	6	0.45
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD12	6	0.45
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD13	6	0.45
(1,2307)	1:50:A:LEU:H	1:54:A:LEU:HB3	5	0.45
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG21	8	0.45
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG22	8	0.45
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG23	8	0.45
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG21	14	0.45
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG22	14	0.45
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG23	14	0.45
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	3	0.45
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	3	0.45
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	3	0.45
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	3	0.45
(1,2215)	1:98:A:ALA:H	1:99:A:ASN:HA	3	0.45
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG21	10	0.45
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG22	10	0.45
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG23	10	0.45
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB1	7	0.45
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB2	7	0.45
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB3	7	0.45
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB1	7	0.45
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB2	7	0.45
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB3	7	0.45
(1,2029)	1:77:A:GLU:H	1:78:A:LEU:H	2	0.45
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG2	3	0.45
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG3	3	0.45
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG2	10	0.45
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG3	10	0.45
(1,2002)	1:74:A:LEU:H	1:71:A:LEU:HA	9	0.45
(1,1958)	1:69:A:ALA:H	1:65:A:LYS:HE2	5	0.45
(1,1958)	1:69:A:ALA:H	1:65:A:LYS:HE3	5	0.45
(1,1958)	1:69:A:ALA:H	1:65:A:LYS:HE2	9	0.45
(1,1958)	1:69:A:ALA:H	1:65:A:LYS:HE3	9	0.45
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD11	14	0.45
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD12	14	0.45
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD13	14	0.45
(1,1866)	1:56:A:LEU:HB2	1:60:A:GLN:HE21	10	0.45
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG2	2	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG3	2	0.45
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG2	10	0.45
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG3	10	0.45
(1,1822)	1:46:A:VAL:H	1:47:A:GLN:H	1	0.45
(1,1738)	1:30:A:LYS:HG2	1:27:A:VAL:HA	11	0.45
(1,1738)	1:30:A:LYS:HG3	1:27:A:VAL:HA	11	0.45
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB1	11	0.45
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB2	11	0.45
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB3	11	0.45
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB2	3	0.45
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB3	3	0.45
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB2	4	0.45
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB3	4	0.45
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB2	14	0.45
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB3	14	0.45
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG11	6	0.45
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG12	6	0.45
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG13	6	0.45
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG11	15	0.45
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG12	15	0.45
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG13	15	0.45
(1,1599)	1:6:A:PHE:HB3	1:9:A:LEU:HB2	3	0.45
(1,1599)	1:6:A:PHE:HB2	1:9:A:LEU:HB2	3	0.45
(1,1594)	1:6:A:PHE:HD1	1:7:A:SER:H	7	0.45
(1,1594)	1:6:A:PHE:HD2	1:7:A:SER:H	7	0.45
(1,1594)	1:6:A:PHE:HD1	1:7:A:SER:H	11	0.45
(1,1594)	1:6:A:PHE:HD2	1:7:A:SER:H	11	0.45
(1,1550)	1:2:A:PHE:HB2	1:2:A:PHE:HA	2	0.45
(1,1550)	1:2:A:PHE:HB2	1:2:A:PHE:HA	4	0.45
(1,1550)	1:2:A:PHE:HB2	1:2:A:PHE:HA	6	0.45
(1,1550)	1:2:A:PHE:HB2	1:2:A:PHE:HA	10	0.45
(1,1550)	1:2:A:PHE:HB2	1:2:A:PHE:HA	12	0.45
(1,1549)	1:2:A:PHE:HB2	1:2:A:PHE:H	7	0.45
(1,1482)	1:76:A:PRO:HA	1:79:A:LYS:HB2	6	0.45
(1,1431)	1:56:A:LEU:H	1:54:A:LEU:H	5	0.45
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG21	15	0.45
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG22	15	0.45
(1,1379)	1:40:A:ARG:HE	1:36:A:ILE:HG23	15	0.45
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG21	8	0.45
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG22	8	0.45
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG23	8	0.45
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG11	2	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG12	2	0.45
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG13	2	0.45
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG21	2	0.45
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG22	2	0.45
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG23	2	0.45
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG21	2	0.45
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG22	2	0.45
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG23	2	0.45
(1,930)	1:42:A:LEU:HD11	1:45:A:THR:H	5	0.45
(1,930)	1:42:A:LEU:HD12	1:45:A:THR:H	5	0.45
(1,930)	1:42:A:LEU:HD13	1:45:A:THR:H	5	0.45
(1,930)	1:42:A:LEU:HD21	1:45:A:THR:H	5	0.45
(1,930)	1:42:A:LEU:HD22	1:45:A:THR:H	5	0.45
(1,930)	1:42:A:LEU:HD23	1:45:A:THR:H	5	0.45
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG21	10	0.45
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG22	10	0.45
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG23	10	0.45
(1,240)	1:4:A:ILE:HD11	1:6:A:PHE:H	15	0.45
(1,240)	1:4:A:ILE:HD12	1:6:A:PHE:H	15	0.45
(1,240)	1:4:A:ILE:HD13	1:6:A:PHE:H	15	0.45
(4,135)	1:40:A:ARG:O	1:44:A:THR:N	10	0.44
(2,265)	1:46:A:VAL:HB	1:50:A:LEU:HD11	7	0.44
(2,265)	1:46:A:VAL:HB	1:50:A:LEU:HD12	7	0.44
(2,265)	1:46:A:VAL:HB	1:50:A:LEU:HD13	7	0.44
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD11	15	0.44
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD12	15	0.44
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD13	15	0.44
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD21	15	0.44
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD22	15	0.44
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD23	15	0.44
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	7	0.44
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	7	0.44
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB2	12	0.44
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB3	12	0.44
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	15	0.44
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	15	0.44
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	15	0.44
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	15	0.44
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD11	15	0.44
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD12	15	0.44
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD13	15	0.44
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD21	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD22	15	0.44
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD23	15	0.44
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	7	0.44
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	7	0.44
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB2	12	0.44
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB3	12	0.44
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	15	0.44
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	15	0.44
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	15	0.44
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	15	0.44
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD11	15	0.44
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD12	15	0.44
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD13	15	0.44
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD21	15	0.44
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD22	15	0.44
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD23	15	0.44
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	7	0.44
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	7	0.44
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB2	12	0.44
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB3	12	0.44
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	15	0.44
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	15	0.44
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	15	0.44
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	15	0.44
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD11	15	0.44
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD12	15	0.44
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD13	15	0.44
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD21	15	0.44
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD22	15	0.44
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD23	15	0.44
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	7	0.44
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	7	0.44
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB2	12	0.44
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB3	12	0.44
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	15	0.44
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	15	0.44
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	15	0.44
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	15	0.44
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD11	15	0.44
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD12	15	0.44
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD13	15	0.44
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD21	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD22	15	0.44
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD23	15	0.44
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	7	0.44
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	7	0.44
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB2	12	0.44
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB3	12	0.44
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	15	0.44
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	15	0.44
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	15	0.44
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	15	0.44
(1,2226)	1:101:A:PRO:HD2	1:99:A:ASN:HB3	11	0.44
(1,2226)	1:101:A:PRO:HD3	1:99:A:ASN:HB3	11	0.44
(1,2226)	1:101:A:PRO:HD2	1:99:A:ASN:HB2	11	0.44
(1,2226)	1:101:A:PRO:HD3	1:99:A:ASN:HB2	11	0.44
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB1	6	0.44
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB2	6	0.44
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB3	6	0.44
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG21	10	0.44
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG22	10	0.44
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG23	10	0.44
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG21	14	0.44
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG22	14	0.44
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG23	14	0.44
(1,2163)	1:93:A:LYS:HA	1:96:A:TYR:HB2	9	0.44
(1,2163)	1:93:A:LYS:HA	1:96:A:TYR:HB3	9	0.44
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG2	9	0.44
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG3	9	0.44
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB2	5	0.44
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB3	5	0.44
(1,1994)	1:73:A:ASN:HD21	1:72:A:THR:HG21	8	0.44
(1,1994)	1:73:A:ASN:HD21	1:72:A:THR:HG22	8	0.44
(1,1994)	1:73:A:ASN:HD21	1:72:A:THR:HG23	8	0.44
(1,1994)	1:73:A:ASN:HD22	1:72:A:THR:HG21	8	0.44
(1,1994)	1:73:A:ASN:HD22	1:72:A:THR:HG22	8	0.44
(1,1994)	1:73:A:ASN:HD22	1:72:A:THR:HG23	8	0.44
(1,1975)	1:71:A:LEU:H	1:72:A:THR:HA	4	0.44
(1,1975)	1:71:A:LEU:H	1:72:A:THR:HA	14	0.44
(1,1941)	1:67:A:GLU:H	1:63:A:LEU:HA	3	0.44
(1,1941)	1:67:A:GLU:H	1:63:A:LEU:HA	5	0.44
(1,1941)	1:67:A:GLU:H	1:63:A:LEU:HA	7	0.44
(1,1941)	1:67:A:GLU:H	1:63:A:LEU:HA	9	0.44
(1,1916)	1:65:A:LYS:H	1:61:A:ASP:HA	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1907)	1:64:A:LYS:H	1:60:A:GLN:HA	14	0.44
(1,1879)	1:61:A:ASP:HB2	1:58:A:GLU:HA	10	0.44
(1,1879)	1:61:A:ASP:HB3	1:58:A:GLU:HA	10	0.44
(1,1858)	1:54:A:LEU:H	1:53:A:GLU:HG2	15	0.44
(1,1858)	1:54:A:LEU:H	1:53:A:GLU:HG3	15	0.44
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG2	14	0.44
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG3	14	0.44
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB1	7	0.44
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB2	7	0.44
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB3	7	0.44
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB1	12	0.44
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB2	12	0.44
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB3	12	0.44
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB1	10	0.44
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB2	10	0.44
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB3	10	0.44
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB2	5	0.44
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB3	5	0.44
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB2	7	0.44
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB3	7	0.44
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB2	8	0.44
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB3	8	0.44
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB2	10	0.44
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB3	10	0.44
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB2	15	0.44
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB3	15	0.44
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD11	11	0.44
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD12	11	0.44
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD13	11	0.44
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD21	11	0.44
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD22	11	0.44
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD23	11	0.44
(1,1651)	1:13:A:PHE:HE1	1:17:A:LEU:HG	5	0.44
(1,1651)	1:13:A:PHE:HE2	1:17:A:LEU:HG	5	0.44
(1,1651)	1:13:A:PHE:HE1	1:17:A:LEU:HG	6	0.44
(1,1651)	1:13:A:PHE:HE2	1:17:A:LEU:HG	6	0.44
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG11	1	0.44
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG12	1	0.44
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG13	1	0.44
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG11	14	0.44
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG12	14	0.44
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG13	14	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1612)	1:8:A:GLU:H	1:7:A:SER:H	5	0.44
(1,1612)	1:8:A:GLU:H	1:7:A:SER:H	6	0.44
(1,1612)	1:8:A:GLU:H	1:7:A:SER:H	12	0.44
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG21	7	0.44
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG22	7	0.44
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG23	7	0.44
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG21	11	0.44
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG22	11	0.44
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG23	11	0.44
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG21	11	0.44
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG22	11	0.44
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG23	11	0.44
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG21	14	0.44
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG22	14	0.44
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG23	14	0.44
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG21	15	0.44
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG22	15	0.44
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG23	15	0.44
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD11	1	0.44
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD12	1	0.44
(1,1267)	1:11:A:LEU:HA	1:15:A:ILE:HD13	1	0.44
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG11	8	0.44
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG12	8	0.44
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG13	8	0.44
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG21	8	0.44
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG22	8	0.44
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG23	8	0.44
(1,991)	1:11:A:LEU:H	1:9:A:LEU:HA	8	0.44
(4,135)	1:40:A:ARG:O	1:44:A:THR:N	11	0.43
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	4	0.43
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	4	0.43
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG21	7	0.43
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG22	7	0.43
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG23	7	0.43
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	13	0.43
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	13	0.43
(1,2744)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	13	0.43
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	6	0.43
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	6	0.43
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	6	0.43
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	6	0.43
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	6	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	6	0.43
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	4	0.43
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	4	0.43
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG21	7	0.43
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG22	7	0.43
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG23	7	0.43
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	13	0.43
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	13	0.43
(1,2620)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	13	0.43
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	6	0.43
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	6	0.43
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	6	0.43
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	6	0.43
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	6	0.43
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	6	0.43
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	4	0.43
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	4	0.43
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG21	7	0.43
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG22	7	0.43
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG23	7	0.43
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	13	0.43
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	13	0.43
(1,2496)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	13	0.43
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	6	0.43
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	6	0.43
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	6	0.43
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	6	0.43
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	6	0.43
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	6	0.43
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	4	0.43
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	4	0.43
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG21	7	0.43
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG22	7	0.43
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG23	7	0.43
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	13	0.43
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	13	0.43
(1,2372)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	13	0.43
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	6	0.43
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	6	0.43
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	6	0.43
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	6	0.43
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	6	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	6	0.43
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	4	0.43
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	4	0.43
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG21	7	0.43
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG22	7	0.43
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG23	7	0.43
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD21	13	0.43
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD22	13	0.43
(1,2248)	1:13:A:PHE:HZ	1:25:A:LEU:HD23	13	0.43
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	6	0.43
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	6	0.43
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	6	0.43
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	6	0.43
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	6	0.43
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	6	0.43
(1,2188)	1:96:A:TYR:HB3	1:97:A:VAL:HA	5	0.43
(1,2188)	1:96:A:TYR:HB2	1:97:A:VAL:HA	5	0.43
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB2	10	0.43
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB3	10	0.43
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB1	2	0.43
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB2	2	0.43
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB3	2	0.43
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB1	2	0.43
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB2	2	0.43
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB3	2	0.43
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE1	3	0.43
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE2	3	0.43
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE3	3	0.43
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB1	4	0.43
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB2	4	0.43
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB3	4	0.43
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB1	4	0.43
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB2	4	0.43
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB3	4	0.43
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB1	6	0.43
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB2	6	0.43
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB3	6	0.43
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB1	6	0.43
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB2	6	0.43
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB3	6	0.43
(1,2089)	1:83:A:ASP:HA	1:87:A:GLN:H	8	0.43
(1,2031)	1:77:A:GLU:HA	1:80:A:ALA:H	6	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1941)	1:67:A:GLU:H	1:63:A:LEU:HA	4	0.43
(1,1941)	1:67:A:GLU:H	1:63:A:LEU:HA	13	0.43
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB1	7	0.43
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB2	7	0.43
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB3	7	0.43
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB1	8	0.43
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB2	8	0.43
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB3	8	0.43
(1,1848)	1:52:A:GLN:HA	1:51:A:THR:HG21	11	0.43
(1,1848)	1:52:A:GLN:HA	1:51:A:THR:HG22	11	0.43
(1,1848)	1:52:A:GLN:HA	1:51:A:THR:HG23	11	0.43
(1,1846)	1:51:A:THR:HA	1:53:A:GLU:H	10	0.43
(1,1822)	1:46:A:VAL:H	1:47:A:GLN:H	12	0.43
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB1	14	0.43
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB2	14	0.43
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB3	14	0.43
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB1	11	0.43
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB2	11	0.43
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB3	11	0.43
(1,1672)	1:16:A:GLY:H	1:12:A:VAL:HA	11	0.43
(1,1663)	1:15:A:ILE:HB	1:12:A:VAL:HA	4	0.43
(1,1663)	1:15:A:ILE:HB	1:12:A:VAL:HA	14	0.43
(1,1645)	1:13:A:PHE:HD1	1:17:A:LEU:HG	11	0.43
(1,1645)	1:13:A:PHE:HD2	1:17:A:LEU:HG	11	0.43
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG11	4	0.43
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG12	4	0.43
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG13	4	0.43
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG11	9	0.43
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG12	9	0.43
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG13	9	0.43
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG11	10	0.43
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG12	10	0.43
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG13	10	0.43
(1,1615)	1:8:A:GLU:H	1:9:A:LEU:H	2	0.43
(1,1615)	1:8:A:GLU:H	1:9:A:LEU:H	4	0.43
(1,1615)	1:8:A:GLU:H	1:9:A:LEU:H	10	0.43
(1,1615)	1:8:A:GLU:H	1:9:A:LEU:H	14	0.43
(1,1568)	1:3:A:ASP:HB2	1:4:A:ILE:H	15	0.43
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD11	5	0.43
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD12	5	0.43
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD13	5	0.43
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD21	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD22	5	0.43
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD23	5	0.43
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG21	2	0.43
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG22	2	0.43
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG23	2	0.43
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG21	3	0.43
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG22	3	0.43
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG23	3	0.43
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG21	9	0.43
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG22	9	0.43
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG23	9	0.43
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG21	10	0.43
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG22	10	0.43
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG23	10	0.43
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG21	4	0.43
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG22	4	0.43
(1,1330)	1:28:A:ALA:HA	1:31:A:THR:HG23	4	0.43
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG11	4	0.43
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG12	4	0.43
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG13	4	0.43
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG21	4	0.43
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG22	4	0.43
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG23	4	0.43
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG11	10	0.43
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG12	10	0.43
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG13	10	0.43
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG21	10	0.43
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG22	10	0.43
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG23	10	0.43
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD11	11	0.43
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD12	11	0.43
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD13	11	0.43
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG21	13	0.43
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG22	13	0.43
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG23	13	0.43
(1,991)	1:11:A:LEU:H	1:9:A:LEU:HA	10	0.43
(2,130)	1:21:A:GLY:H	1:17:A:LEU:HD21	12	0.42
(2,130)	1:21:A:GLY:H	1:17:A:LEU:HD22	12	0.42
(2,130)	1:21:A:GLY:H	1:17:A:LEU:HD23	12	0.42
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	11	0.42
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	11	0.42
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	11	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	11	0.42
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	11	0.42
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	11	0.42
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	11	0.42
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	11	0.42
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	11	0.42
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	11	0.42
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	11	0.42
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	11	0.42
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	3	0.42
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	3	0.42
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	6	0.42
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	6	0.42
(1,2803)	1:50:A:LEU:H	1:54:A:LEU:HB3	10	0.42
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	5	0.42
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	5	0.42
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	5	0.42
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	5	0.42
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	5	0.42
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	5	0.42
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	11	0.42
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	11	0.42
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	11	0.42
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	11	0.42
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	11	0.42
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	11	0.42
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	11	0.42
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	11	0.42
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	11	0.42
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	11	0.42
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	11	0.42
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	11	0.42
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	3	0.42
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	3	0.42
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	6	0.42
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	6	0.42
(1,2679)	1:50:A:LEU:H	1:54:A:LEU:HB3	10	0.42
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	5	0.42
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	5	0.42
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	5	0.42
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	5	0.42
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	5	0.42
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	11	0.42
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	11	0.42
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	11	0.42
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	11	0.42
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	11	0.42
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	11	0.42
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	11	0.42
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	11	0.42
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	11	0.42
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	11	0.42
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	11	0.42
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	11	0.42
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	3	0.42
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	3	0.42
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	6	0.42
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	6	0.42
(1,2555)	1:50:A:LEU:H	1:54:A:LEU:HB3	10	0.42
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	5	0.42
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	5	0.42
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	5	0.42
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	5	0.42
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	5	0.42
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	5	0.42
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	11	0.42
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	11	0.42
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	11	0.42
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	11	0.42
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	11	0.42
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	11	0.42
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	11	0.42
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	11	0.42
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	11	0.42
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	11	0.42
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	11	0.42
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	11	0.42
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	3	0.42
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	3	0.42
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	6	0.42
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	6	0.42
(1,2431)	1:50:A:LEU:H	1:54:A:LEU:HB3	10	0.42
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	5	0.42
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	5	0.42
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	5	0.42
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	5	0.42
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	5	0.42
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	11	0.42
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	11	0.42
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	11	0.42
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	11	0.42
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	11	0.42
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	11	0.42
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	11	0.42
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	11	0.42
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	11	0.42
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	11	0.42
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	11	0.42
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	11	0.42
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	3	0.42
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	3	0.42
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	6	0.42
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	6	0.42
(1,2307)	1:50:A:LEU:H	1:54:A:LEU:HB3	10	0.42
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	5	0.42
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	5	0.42
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	5	0.42
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	5	0.42
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	5	0.42
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	5	0.42
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB1	14	0.42
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB2	14	0.42
(1,2224)	1:101:A:PRO:HD2	1:98:A:ALA:HB3	14	0.42
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB1	14	0.42
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB2	14	0.42
(1,2224)	1:101:A:PRO:HD3	1:98:A:ALA:HB3	14	0.42
(1,2222)	1:99:A:ASN:HB3	1:100:A:ASP:H	1	0.42
(1,2222)	1:99:A:ASN:HB2	1:100:A:ASP:H	1	0.42
(1,2222)	1:99:A:ASN:HB3	1:100:A:ASP:H	13	0.42
(1,2222)	1:99:A:ASN:HB2	1:100:A:ASP:H	13	0.42
(1,2222)	1:99:A:ASN:HB3	1:100:A:ASP:H	15	0.42
(1,2222)	1:99:A:ASN:HB2	1:100:A:ASP:H	15	0.42
(1,2188)	1:96:A:TYR:HB3	1:97:A:VAL:HA	6	0.42
(1,2188)	1:96:A:TYR:HB2	1:97:A:VAL:HA	6	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB1	3	0.42
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB2	3	0.42
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB3	3	0.42
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB1	3	0.42
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB2	3	0.42
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB3	3	0.42
(1,2173)	1:94:A:ARG:HG2	1:95:A:SER:H	12	0.42
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB1	11	0.42
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB2	11	0.42
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB3	11	0.42
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB1	11	0.42
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB2	11	0.42
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB3	11	0.42
(1,2119)	1:86:A:ARG:HG3	1:87:A:GLN:H	3	0.42
(1,2119)	1:86:A:ARG:HG2	1:87:A:GLN:H	3	0.42
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB1	12	0.42
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB2	12	0.42
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB3	12	0.42
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB1	12	0.42
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB2	12	0.42
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB3	12	0.42
(1,2089)	1:83:A:ASP:HA	1:87:A:GLN:H	10	0.42
(1,2089)	1:83:A:ASP:HA	1:87:A:GLN:H	11	0.42
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG2	13	0.42
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG3	13	0.42
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB2	12	0.42
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB3	12	0.42
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD11	4	0.42
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD12	4	0.42
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD13	4	0.42
(1,1941)	1:67:A:GLU:H	1:63:A:LEU:HA	15	0.42
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG2	11	0.42
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG3	11	0.42
(1,1916)	1:65:A:LYS:H	1:61:A:ASP:HA	11	0.42
(1,1909)	1:64:A:LYS:H	1:62:A:SER:HA	14	0.42
(1,1865)	1:55:A:LYS:HG2	1:56:A:LEU:H	2	0.42
(1,1865)	1:55:A:LYS:HG3	1:56:A:LEU:H	2	0.42
(1,1837)	1:49:A:GLU:H	1:48:A:ASN:HA	2	0.42
(1,1823)	1:46:A:VAL:HA	1:48:A:ASN:H	9	0.42
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB1	10	0.42
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB2	10	0.42
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB3	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB1	15	0.42
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB2	15	0.42
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB3	15	0.42
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB2	2	0.42
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB3	2	0.42
(1,1684)	1:18:A:VAL:H	1:17:A:LEU:HG	9	0.42
(1,1663)	1:15:A:ILE:HB	1:12:A:VAL:HA	10	0.42
(1,1657)	1:14:A:ILE:H	1:13:A:PHE:HB2	1	0.42
(1,1657)	1:14:A:ILE:H	1:13:A:PHE:HB3	1	0.42
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG11	3	0.42
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG12	3	0.42
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG13	3	0.42
(1,1615)	1:8:A:GLU:H	1:9:A:LEU:H	1	0.42
(1,1615)	1:8:A:GLU:H	1:9:A:LEU:H	9	0.42
(1,1568)	1:3:A:ASP:HB2	1:4:A:ILE:H	13	0.42
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD11	9	0.42
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD12	9	0.42
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD13	9	0.42
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD11	3	0.42
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD12	3	0.42
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD13	3	0.42
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD21	3	0.42
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD22	3	0.42
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD23	3	0.42
(1,1387)	1:42:A:LEU:HD11	1:39:A:LEU:HA	14	0.42
(1,1387)	1:42:A:LEU:HD12	1:39:A:LEU:HA	14	0.42
(1,1387)	1:42:A:LEU:HD13	1:39:A:LEU:HA	14	0.42
(1,1387)	1:42:A:LEU:HD21	1:39:A:LEU:HA	14	0.42
(1,1387)	1:42:A:LEU:HD22	1:39:A:LEU:HA	14	0.42
(1,1387)	1:42:A:LEU:HD23	1:39:A:LEU:HA	14	0.42
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB1	2	0.42
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB2	2	0.42
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB3	2	0.42
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB1	2	0.42
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB2	2	0.42
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB3	2	0.42
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB1	2	0.42
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB2	2	0.42
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB3	2	0.42
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB1	11	0.42
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB2	11	0.42
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB3	11	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB1	11	0.42
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB2	11	0.42
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB3	11	0.42
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB1	11	0.42
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB2	11	0.42
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB3	11	0.42
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG21	6	0.42
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG22	6	0.42
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG23	6	0.42
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG21	1	0.42
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG22	1	0.42
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG23	1	0.42
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG21	1	0.42
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG22	1	0.42
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG23	1	0.42
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG21	1	0.42
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG22	1	0.42
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG23	1	0.42
(1,1290)	1:17:A:LEU:HD21	1:13:A:PHE:HE1	13	0.42
(1,1290)	1:17:A:LEU:HD21	1:13:A:PHE:HE2	13	0.42
(1,1290)	1:17:A:LEU:HD22	1:13:A:PHE:HE1	13	0.42
(1,1290)	1:17:A:LEU:HD22	1:13:A:PHE:HE2	13	0.42
(1,1290)	1:17:A:LEU:HD23	1:13:A:PHE:HE1	13	0.42
(1,1290)	1:17:A:LEU:HD23	1:13:A:PHE:HE2	13	0.42
(1,1290)	1:17:A:LEU:HD11	1:13:A:PHE:HE1	13	0.42
(1,1290)	1:17:A:LEU:HD11	1:13:A:PHE:HE2	13	0.42
(1,1290)	1:17:A:LEU:HD12	1:13:A:PHE:HE1	13	0.42
(1,1290)	1:17:A:LEU:HD12	1:13:A:PHE:HE2	13	0.42
(1,1290)	1:17:A:LEU:HD13	1:13:A:PHE:HE1	13	0.42
(1,1290)	1:17:A:LEU:HD13	1:13:A:PHE:HE2	13	0.42
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG21	6	0.42
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG22	6	0.42
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG23	6	0.42
(1,953)	1:62:A:SER:HA	1:65:A:LYS:HD2	13	0.42
(1,953)	1:62:A:SER:HA	1:65:A:LYS:HD3	13	0.42
(1,953)	1:62:A:SER:HA	1:65:A:LYS:HD2	14	0.42
(1,953)	1:62:A:SER:HA	1:65:A:LYS:HD3	14	0.42
(1,455)	1:43:A:ALA:HA	1:46:A:VAL:HB	11	0.42
(4,144)	1:62:A:SER:O	1:66:A:VAL:N	7	0.41
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD11	11	0.41
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD12	11	0.41
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD13	11	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	13	0.41
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	13	0.41
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG21	5	0.41
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG22	5	0.41
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG23	5	0.41
(1,2763)	1:22:A:PRO:HG2	1:24:A:ARG:H	9	0.41
(1,2763)	1:22:A:PRO:HG3	1:24:A:ARG:H	9	0.41
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD11	11	0.41
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD12	11	0.41
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD13	11	0.41
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	13	0.41
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	13	0.41
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG21	5	0.41
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG22	5	0.41
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG23	5	0.41
(1,2639)	1:22:A:PRO:HG2	1:24:A:ARG:H	9	0.41
(1,2639)	1:22:A:PRO:HG3	1:24:A:ARG:H	9	0.41
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD11	11	0.41
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD12	11	0.41
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD13	11	0.41
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	13	0.41
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	13	0.41
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG21	5	0.41
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG22	5	0.41
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG23	5	0.41
(1,2515)	1:22:A:PRO:HG2	1:24:A:ARG:H	9	0.41
(1,2515)	1:22:A:PRO:HG3	1:24:A:ARG:H	9	0.41
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD11	11	0.41
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD12	11	0.41
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD13	11	0.41
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	13	0.41
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	13	0.41
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG21	5	0.41
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG22	5	0.41
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG23	5	0.41
(1,2391)	1:22:A:PRO:HG2	1:24:A:ARG:H	9	0.41
(1,2391)	1:22:A:PRO:HG3	1:24:A:ARG:H	9	0.41
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD11	11	0.41
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD12	11	0.41
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD13	11	0.41
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	13	0.41
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG21	5	0.41
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG22	5	0.41
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG23	5	0.41
(1,2267)	1:22:A:PRO:HG2	1:24:A:ARG:H	9	0.41
(1,2267)	1:22:A:PRO:HG3	1:24:A:ARG:H	9	0.41
(1,2234)	1:101:A:PRO:HD2	1:103:A:GLU:H	7	0.41
(1,2234)	1:101:A:PRO:HD3	1:103:A:GLU:H	7	0.41
(1,2222)	1:99:A:ASN:HB3	1:100:A:ASP:H	8	0.41
(1,2222)	1:99:A:ASN:HB2	1:100:A:ASP:H	8	0.41
(1,2222)	1:99:A:ASN:HB3	1:100:A:ASP:H	10	0.41
(1,2222)	1:99:A:ASN:HB2	1:100:A:ASP:H	10	0.41
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB1	8	0.41
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB2	8	0.41
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB3	8	0.41
(1,2188)	1:96:A:TYR:HB3	1:97:A:VAL:HA	3	0.41
(1,2188)	1:96:A:TYR:HB2	1:97:A:VAL:HA	3	0.41
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB1	8	0.41
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB2	8	0.41
(1,2144)	1:90:A:GLU:HG3	1:89:A:ALA:HB3	8	0.41
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB1	8	0.41
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB2	8	0.41
(1,2144)	1:90:A:GLU:HG2	1:89:A:ALA:HB3	8	0.41
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE1	2	0.41
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE2	2	0.41
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE3	2	0.41
(1,2119)	1:86:A:ARG:HG3	1:87:A:GLN:H	5	0.41
(1,2119)	1:86:A:ARG:HG2	1:87:A:GLN:H	5	0.41
(1,2119)	1:86:A:ARG:HG3	1:87:A:GLN:H	11	0.41
(1,2119)	1:86:A:ARG:HG2	1:87:A:GLN:H	11	0.41
(1,2089)	1:83:A:ASP:HA	1:87:A:GLN:H	5	0.41
(1,2076)	1:83:A:ASP:H	1:79:A:LYS:HA	2	0.41
(1,2048)	1:79:A:LYS:HB2	1:80:A:ALA:H	7	0.41
(1,2048)	1:79:A:LYS:HB3	1:80:A:ALA:H	7	0.41
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB2	1	0.41
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB3	1	0.41
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB2	2	0.41
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB3	2	0.41
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB2	10	0.41
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB3	10	0.41
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB2	11	0.41
(1,1999)	1:73:A:ASN:H	1:74:A:LEU:HB3	11	0.41
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD11	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD12	13	0.41
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD13	13	0.41
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD21	13	0.41
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD22	13	0.41
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD23	13	0.41
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD11	13	0.41
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD12	13	0.41
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD13	13	0.41
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD21	13	0.41
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD22	13	0.41
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD23	13	0.41
(1,1975)	1:71:A:LEU:H	1:72:A:THR:HA	5	0.41
(1,1975)	1:71:A:LEU:H	1:72:A:THR:HA	7	0.41
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB1	5	0.41
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB2	5	0.41
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB3	5	0.41
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB2	10	0.41
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB3	10	0.41
(1,1907)	1:64:A:LYS:H	1:60:A:GLN:HA	5	0.41
(1,1882)	1:61:A:ASP:H	1:60:A:GLN:HB2	1	0.41
(1,1869)	1:60:A:GLN:HE22	1:56:A:LEU:HB2	15	0.41
(1,1823)	1:46:A:VAL:HA	1:48:A:ASN:H	6	0.41
(1,1823)	1:46:A:VAL:HA	1:48:A:ASN:H	8	0.41
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB1	3	0.41
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB2	3	0.41
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB3	3	0.41
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB1	3	0.41
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB2	3	0.41
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB3	3	0.41
(1,1779)	1:40:A:ARG:H	1:41:A:SER:H	1	0.41
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB1	2	0.41
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB2	2	0.41
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB3	2	0.41
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB2	13	0.41
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB3	13	0.41
(1,1691)	1:20:A:LEU:H	1:19:A:VAL:HB	9	0.41
(1,1663)	1:15:A:ILE:HB	1:12:A:VAL:HA	5	0.41
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG11	7	0.41
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG12	7	0.41
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG13	7	0.41
(1,1612)	1:8:A:GLU:H	1:7:A:SER:H	7	0.41
(1,1599)	1:6:A:PHE:HB3	1:9:A:LEU:HB2	8	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1599)	1:6:A:PHE:HB2	1:9:A:LEU:HB2	8	0.41
(1,1577)	1:4:A:ILE:HG13	1:4:A:ILE:H	13	0.41
(1,1577)	1:4:A:ILE:HG13	1:4:A:ILE:H	15	0.41
(1,1550)	1:2:A:PHE:HB2	1:2:A:PHE:HA	13	0.41
(1,1550)	1:2:A:PHE:HB2	1:2:A:PHE:HA	15	0.41
(1,1549)	1:2:A:PHE:HB2	1:2:A:PHE:H	11	0.41
(1,1542)	1:1:A:MET:HE1	1:2:A:PHE:H	14	0.41
(1,1542)	1:1:A:MET:HE2	1:2:A:PHE:H	14	0.41
(1,1542)	1:1:A:MET:HE3	1:2:A:PHE:H	14	0.41
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG11	2	0.41
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG12	2	0.41
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG13	2	0.41
(1,1492)	1:82:A:MET:HB2	1:81:A:SER:H	13	0.41
(1,1492)	1:82:A:MET:HB3	1:81:A:SER:H	13	0.41
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD11	14	0.41
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD12	14	0.41
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD13	14	0.41
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD11	4	0.41
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD12	4	0.41
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD13	4	0.41
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD21	4	0.41
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD22	4	0.41
(1,1428)	1:51:A:THR:H	1:50:A:LEU:HD23	4	0.41
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB1	3	0.41
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB2	3	0.41
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB3	3	0.41
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB1	3	0.41
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB2	3	0.41
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB3	3	0.41
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB1	3	0.41
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB2	3	0.41
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB3	3	0.41
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB1	7	0.41
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB2	7	0.41
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB3	7	0.41
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB1	7	0.41
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB2	7	0.41
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB3	7	0.41
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB1	7	0.41
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB2	7	0.41
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB3	7	0.41
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG21	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG22	7	0.41
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG23	7	0.41
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG21	7	0.41
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG22	7	0.41
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG23	7	0.41
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG21	7	0.41
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG22	7	0.41
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG23	7	0.41
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG21	9	0.41
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG22	9	0.41
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG23	9	0.41
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG21	9	0.41
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG22	9	0.41
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG23	9	0.41
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG21	9	0.41
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG22	9	0.41
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG23	9	0.41
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG21	10	0.41
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG22	10	0.41
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG23	10	0.41
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG21	10	0.41
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG22	10	0.41
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG23	10	0.41
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG21	10	0.41
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG22	10	0.41
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG23	10	0.41
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG11	12	0.41
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG12	12	0.41
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG13	12	0.41
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG21	12	0.41
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG22	12	0.41
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG23	12	0.41
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG21	14	0.41
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG22	14	0.41
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG23	14	0.41
(1,991)	1:11:A:LEU:H	1:9:A:LEU:HA	2	0.41
(1,991)	1:11:A:LEU:H	1:9:A:LEU:HA	7	0.41
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG11	8	0.41
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG12	8	0.41
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG13	8	0.41
(4,147)	1:65:A:LYS:O	1:69:A:ALA:N	3	0.4
(4,146)	1:64:A:LYS:O	1:68:A:LYS:N	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,135)	1:40:A:ARG:O	1:44:A:THR:N	2	0.4
(4,135)	1:40:A:ARG:O	1:44:A:THR:N	5	0.4
(4,135)	1:40:A:ARG:O	1:44:A:THR:N	8	0.4
(4,135)	1:40:A:ARG:O	1:44:A:THR:N	9	0.4
(2,265)	1:46:A:VAL:HB	1:50:A:LEU:HD11	6	0.4
(2,265)	1:46:A:VAL:HB	1:50:A:LEU:HD12	6	0.4
(2,265)	1:46:A:VAL:HB	1:50:A:LEU:HD13	6	0.4
(2,241)	1:74:A:LEU:H	1:70:A:SER:HB3	15	0.4
(2,111)	1:3:A:ASP:HB2	1:4:A:ILE:HB	11	0.4
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG2	15	0.4
(1,2838)	1:59:A:PHE:H	1:60:A:GLN:HG3	15	0.4
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD11	15	0.4
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD12	15	0.4
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD13	15	0.4
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD21	15	0.4
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD22	15	0.4
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD23	15	0.4
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD21	15	0.4
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD22	15	0.4
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD23	15	0.4
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	1	0.4
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	1	0.4
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	14	0.4
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	14	0.4
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	11	0.4
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	11	0.4
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	11	0.4
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	11	0.4
(1,2763)	1:22:A:PRO:HG2	1:24:A:ARG:H	3	0.4
(1,2763)	1:22:A:PRO:HG3	1:24:A:ARG:H	3	0.4
(1,2763)	1:22:A:PRO:HG2	1:24:A:ARG:H	4	0.4
(1,2763)	1:22:A:PRO:HG3	1:24:A:ARG:H	4	0.4
(1,2763)	1:22:A:PRO:HG2	1:24:A:ARG:H	5	0.4
(1,2763)	1:22:A:PRO:HG3	1:24:A:ARG:H	5	0.4
(1,2763)	1:22:A:PRO:HG2	1:24:A:ARG:H	7	0.4
(1,2763)	1:22:A:PRO:HG3	1:24:A:ARG:H	7	0.4
(1,2763)	1:22:A:PRO:HG2	1:24:A:ARG:H	8	0.4
(1,2763)	1:22:A:PRO:HG3	1:24:A:ARG:H	8	0.4
(1,2763)	1:22:A:PRO:HG2	1:24:A:ARG:H	10	0.4
(1,2763)	1:22:A:PRO:HG3	1:24:A:ARG:H	10	0.4
(1,2763)	1:22:A:PRO:HG2	1:24:A:ARG:H	11	0.4
(1,2763)	1:22:A:PRO:HG3	1:24:A:ARG:H	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2763)	1:22:A:PRO:HG2	1:24:A:ARG:H	13	0.4
(1,2763)	1:22:A:PRO:HG3	1:24:A:ARG:H	13	0.4
(1,2763)	1:22:A:PRO:HG2	1:24:A:ARG:H	15	0.4
(1,2763)	1:22:A:PRO:HG3	1:24:A:ARG:H	15	0.4
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	8	0.4
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	8	0.4
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	8	0.4
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	8	0.4
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	8	0.4
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	8	0.4
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG2	15	0.4
(1,2714)	1:59:A:PHE:H	1:60:A:GLN:HG3	15	0.4
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD11	15	0.4
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD12	15	0.4
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD13	15	0.4
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD21	15	0.4
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD22	15	0.4
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD23	15	0.4
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD21	15	0.4
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD22	15	0.4
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD23	15	0.4
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	1	0.4
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	1	0.4
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	14	0.4
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	14	0.4
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	11	0.4
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	11	0.4
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	11	0.4
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	11	0.4
(1,2639)	1:22:A:PRO:HG2	1:24:A:ARG:H	3	0.4
(1,2639)	1:22:A:PRO:HG3	1:24:A:ARG:H	3	0.4
(1,2639)	1:22:A:PRO:HG2	1:24:A:ARG:H	4	0.4
(1,2639)	1:22:A:PRO:HG3	1:24:A:ARG:H	4	0.4
(1,2639)	1:22:A:PRO:HG2	1:24:A:ARG:H	5	0.4
(1,2639)	1:22:A:PRO:HG3	1:24:A:ARG:H	5	0.4
(1,2639)	1:22:A:PRO:HG2	1:24:A:ARG:H	7	0.4
(1,2639)	1:22:A:PRO:HG3	1:24:A:ARG:H	7	0.4
(1,2639)	1:22:A:PRO:HG2	1:24:A:ARG:H	8	0.4
(1,2639)	1:22:A:PRO:HG3	1:24:A:ARG:H	8	0.4
(1,2639)	1:22:A:PRO:HG2	1:24:A:ARG:H	10	0.4
(1,2639)	1:22:A:PRO:HG3	1:24:A:ARG:H	10	0.4
(1,2639)	1:22:A:PRO:HG2	1:24:A:ARG:H	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2639)	1:22:A:PRO:HG3	1:24:A:ARG:H	11	0.4
(1,2639)	1:22:A:PRO:HG2	1:24:A:ARG:H	13	0.4
(1,2639)	1:22:A:PRO:HG3	1:24:A:ARG:H	13	0.4
(1,2639)	1:22:A:PRO:HG2	1:24:A:ARG:H	15	0.4
(1,2639)	1:22:A:PRO:HG3	1:24:A:ARG:H	15	0.4
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	8	0.4
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	8	0.4
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	8	0.4
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	8	0.4
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	8	0.4
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	8	0.4
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG2	15	0.4
(1,2590)	1:59:A:PHE:H	1:60:A:GLN:HG3	15	0.4
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD11	15	0.4
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD12	15	0.4
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD13	15	0.4
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD21	15	0.4
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD22	15	0.4
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD23	15	0.4
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD21	15	0.4
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD22	15	0.4
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD23	15	0.4
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	1	0.4
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	1	0.4
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	14	0.4
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	14	0.4
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	11	0.4
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	11	0.4
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	11	0.4
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	11	0.4
(1,2515)	1:22:A:PRO:HG2	1:24:A:ARG:H	3	0.4
(1,2515)	1:22:A:PRO:HG3	1:24:A:ARG:H	3	0.4
(1,2515)	1:22:A:PRO:HG2	1:24:A:ARG:H	4	0.4
(1,2515)	1:22:A:PRO:HG3	1:24:A:ARG:H	4	0.4
(1,2515)	1:22:A:PRO:HG2	1:24:A:ARG:H	5	0.4
(1,2515)	1:22:A:PRO:HG3	1:24:A:ARG:H	5	0.4
(1,2515)	1:22:A:PRO:HG2	1:24:A:ARG:H	7	0.4
(1,2515)	1:22:A:PRO:HG3	1:24:A:ARG:H	7	0.4
(1,2515)	1:22:A:PRO:HG2	1:24:A:ARG:H	8	0.4
(1,2515)	1:22:A:PRO:HG3	1:24:A:ARG:H	8	0.4
(1,2515)	1:22:A:PRO:HG2	1:24:A:ARG:H	10	0.4
(1,2515)	1:22:A:PRO:HG3	1:24:A:ARG:H	10	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2515)	1:22:A:PRO:HG2	1:24:A:ARG:H	11	0.4
(1,2515)	1:22:A:PRO:HG3	1:24:A:ARG:H	11	0.4
(1,2515)	1:22:A:PRO:HG2	1:24:A:ARG:H	13	0.4
(1,2515)	1:22:A:PRO:HG3	1:24:A:ARG:H	13	0.4
(1,2515)	1:22:A:PRO:HG2	1:24:A:ARG:H	15	0.4
(1,2515)	1:22:A:PRO:HG3	1:24:A:ARG:H	15	0.4
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	8	0.4
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	8	0.4
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	8	0.4
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	8	0.4
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	8	0.4
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	8	0.4
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG2	15	0.4
(1,2466)	1:59:A:PHE:H	1:60:A:GLN:HG3	15	0.4
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD11	15	0.4
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD12	15	0.4
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD13	15	0.4
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD21	15	0.4
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD22	15	0.4
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD23	15	0.4
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD21	15	0.4
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD22	15	0.4
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD23	15	0.4
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	1	0.4
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	1	0.4
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	14	0.4
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	14	0.4
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	11	0.4
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	11	0.4
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	11	0.4
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	11	0.4
(1,2391)	1:22:A:PRO:HG2	1:24:A:ARG:H	3	0.4
(1,2391)	1:22:A:PRO:HG3	1:24:A:ARG:H	3	0.4
(1,2391)	1:22:A:PRO:HG2	1:24:A:ARG:H	4	0.4
(1,2391)	1:22:A:PRO:HG3	1:24:A:ARG:H	4	0.4
(1,2391)	1:22:A:PRO:HG2	1:24:A:ARG:H	5	0.4
(1,2391)	1:22:A:PRO:HG3	1:24:A:ARG:H	5	0.4
(1,2391)	1:22:A:PRO:HG2	1:24:A:ARG:H	7	0.4
(1,2391)	1:22:A:PRO:HG3	1:24:A:ARG:H	7	0.4
(1,2391)	1:22:A:PRO:HG2	1:24:A:ARG:H	8	0.4
(1,2391)	1:22:A:PRO:HG3	1:24:A:ARG:H	8	0.4
(1,2391)	1:22:A:PRO:HG2	1:24:A:ARG:H	10	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2391)	1:22:A:PRO:HG3	1:24:A:ARG:H	10	0.4
(1,2391)	1:22:A:PRO:HG2	1:24:A:ARG:H	11	0.4
(1,2391)	1:22:A:PRO:HG3	1:24:A:ARG:H	11	0.4
(1,2391)	1:22:A:PRO:HG2	1:24:A:ARG:H	13	0.4
(1,2391)	1:22:A:PRO:HG3	1:24:A:ARG:H	13	0.4
(1,2391)	1:22:A:PRO:HG2	1:24:A:ARG:H	15	0.4
(1,2391)	1:22:A:PRO:HG3	1:24:A:ARG:H	15	0.4
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	8	0.4
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	8	0.4
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	8	0.4
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	8	0.4
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	8	0.4
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	8	0.4
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG2	15	0.4
(1,2342)	1:59:A:PHE:H	1:60:A:GLN:HG3	15	0.4
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD11	15	0.4
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD12	15	0.4
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD13	15	0.4
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD21	15	0.4
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD22	15	0.4
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD23	15	0.4
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD21	15	0.4
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD22	15	0.4
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD23	15	0.4
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	1	0.4
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	1	0.4
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	14	0.4
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	14	0.4
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	11	0.4
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	11	0.4
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	11	0.4
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	11	0.4
(1,2267)	1:22:A:PRO:HG2	1:24:A:ARG:H	3	0.4
(1,2267)	1:22:A:PRO:HG3	1:24:A:ARG:H	3	0.4
(1,2267)	1:22:A:PRO:HG2	1:24:A:ARG:H	4	0.4
(1,2267)	1:22:A:PRO:HG3	1:24:A:ARG:H	4	0.4
(1,2267)	1:22:A:PRO:HG2	1:24:A:ARG:H	5	0.4
(1,2267)	1:22:A:PRO:HG3	1:24:A:ARG:H	5	0.4
(1,2267)	1:22:A:PRO:HG2	1:24:A:ARG:H	7	0.4
(1,2267)	1:22:A:PRO:HG3	1:24:A:ARG:H	7	0.4
(1,2267)	1:22:A:PRO:HG2	1:24:A:ARG:H	8	0.4
(1,2267)	1:22:A:PRO:HG3	1:24:A:ARG:H	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2267)	1:22:A:PRO:HG2	1:24:A:ARG:H	10	0.4
(1,2267)	1:22:A:PRO:HG3	1:24:A:ARG:H	10	0.4
(1,2267)	1:22:A:PRO:HG2	1:24:A:ARG:H	11	0.4
(1,2267)	1:22:A:PRO:HG3	1:24:A:ARG:H	11	0.4
(1,2267)	1:22:A:PRO:HG2	1:24:A:ARG:H	13	0.4
(1,2267)	1:22:A:PRO:HG3	1:24:A:ARG:H	13	0.4
(1,2267)	1:22:A:PRO:HG2	1:24:A:ARG:H	15	0.4
(1,2267)	1:22:A:PRO:HG3	1:24:A:ARG:H	15	0.4
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	8	0.4
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	8	0.4
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	8	0.4
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	8	0.4
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	8	0.4
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	8	0.4
(1,2227)	1:101:A:PRO:HG2	1:100:A:ASP:HA	2	0.4
(1,2227)	1:101:A:PRO:HG3	1:100:A:ASP:HA	2	0.4
(1,2196)	1:96:A:TYR:HA	1:99:A:ASN:HB2	8	0.4
(1,2196)	1:96:A:TYR:HA	1:99:A:ASN:HB3	8	0.4
(1,2188)	1:96:A:TYR:HB3	1:97:A:VAL:HA	8	0.4
(1,2188)	1:96:A:TYR:HB2	1:97:A:VAL:HA	8	0.4
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB1	10	0.4
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB2	10	0.4
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB3	10	0.4
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB1	10	0.4
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB2	10	0.4
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB3	10	0.4
(1,2177)	1:94:A:ARG:HA	1:97:A:VAL:HB	5	0.4
(1,2173)	1:94:A:ARG:HG2	1:95:A:SER:H	7	0.4
(1,2151)	1:91:A:SER:HB2	1:92:A:MET:HG3	14	0.4
(1,2151)	1:91:A:SER:HB3	1:92:A:MET:HG3	14	0.4
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE1	9	0.4
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE2	9	0.4
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE3	9	0.4
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB1	1	0.4
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB2	1	0.4
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB3	1	0.4
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB1	1	0.4
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB2	1	0.4
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB3	1	0.4
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB1	10	0.4
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB2	10	0.4
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB3	10	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB1	10	0.4
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB2	10	0.4
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB3	10	0.4
(1,2089)	1:83:A:ASP:HA	1:87:A:GLN:H	2	0.4
(1,2021)	1:76:A:PRO:HA	1:80:A:ALA:H	14	0.4
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG2	2	0.4
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG3	2	0.4
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG2	11	0.4
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG3	11	0.4
(1,2002)	1:74:A:LEU:H	1:71:A:LEU:HA	13	0.4
(1,1988)	1:73:A:ASN:HB2	1:72:A:THR:HB	15	0.4
(1,1988)	1:73:A:ASN:HB3	1:72:A:THR:HB	15	0.4
(1,1975)	1:71:A:LEU:H	1:72:A:THR:HA	3	0.4
(1,1975)	1:71:A:LEU:H	1:72:A:THR:HA	9	0.4
(1,1975)	1:71:A:LEU:H	1:72:A:THR:HA	10	0.4
(1,1975)	1:71:A:LEU:H	1:72:A:THR:HA	11	0.4
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB2	9	0.4
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB3	9	0.4
(1,1941)	1:67:A:GLU:H	1:63:A:LEU:HA	2	0.4
(1,1941)	1:67:A:GLU:H	1:63:A:LEU:HA	14	0.4
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG2	10	0.4
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG3	10	0.4
(1,1879)	1:61:A:ASP:HB2	1:58:A:GLU:HA	2	0.4
(1,1879)	1:61:A:ASP:HB3	1:58:A:GLU:HA	2	0.4
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG21	2	0.4
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG22	2	0.4
(1,1851)	1:52:A:GLN:H	1:51:A:THR:HG23	2	0.4
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG21	15	0.4
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG22	15	0.4
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG23	15	0.4
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG21	15	0.4
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG22	15	0.4
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG23	15	0.4
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB2	10	0.4
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB3	10	0.4
(1,1822)	1:46:A:VAL:H	1:47:A:GLN:H	3	0.4
(1,1822)	1:46:A:VAL:H	1:47:A:GLN:H	9	0.4
(1,1779)	1:40:A:ARG:H	1:41:A:SER:H	11	0.4
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB2	12	0.4
(1,1725)	1:27:A:VAL:HA	1:30:A:LYS:HB3	12	0.4
(1,1672)	1:16:A:GLY:H	1:12:A:VAL:HA	1	0.4
(1,1665)	1:15:A:ILE:HB	1:16:A:GLY:H	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1663)	1:15:A:ILE:HB	1:12:A:VAL:HA	6	0.4
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG11	4	0.4
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG12	4	0.4
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG13	4	0.4
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG21	4	0.4
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG22	4	0.4
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG23	4	0.4
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG11	15	0.4
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG12	15	0.4
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG13	15	0.4
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG21	15	0.4
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG22	15	0.4
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG23	15	0.4
(1,1599)	1:6:A:PHE:HB3	1:9:A:LEU:HB2	2	0.4
(1,1599)	1:6:A:PHE:HB2	1:9:A:LEU:HB2	2	0.4
(1,1542)	1:1:A:MET:HE1	1:2:A:PHE:H	5	0.4
(1,1542)	1:1:A:MET:HE2	1:2:A:PHE:H	5	0.4
(1,1542)	1:1:A:MET:HE3	1:2:A:PHE:H	5	0.4
(1,1492)	1:82:A:MET:HB2	1:81:A:SER:H	3	0.4
(1,1492)	1:82:A:MET:HB3	1:81:A:SER:H	3	0.4
(1,1492)	1:82:A:MET:HB2	1:81:A:SER:H	4	0.4
(1,1492)	1:82:A:MET:HB3	1:81:A:SER:H	4	0.4
(1,1492)	1:82:A:MET:HB2	1:81:A:SER:H	6	0.4
(1,1492)	1:82:A:MET:HB3	1:81:A:SER:H	6	0.4
(1,1492)	1:82:A:MET:HB2	1:81:A:SER:H	9	0.4
(1,1492)	1:82:A:MET:HB3	1:81:A:SER:H	9	0.4
(1,1482)	1:76:A:PRO:HA	1:79:A:LYS:HB2	3	0.4
(1,1482)	1:76:A:PRO:HA	1:79:A:LYS:HB2	9	0.4
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB1	1	0.4
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB2	1	0.4
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB3	1	0.4
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB1	1	0.4
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB2	1	0.4
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB3	1	0.4
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB1	1	0.4
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB2	1	0.4
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB3	1	0.4
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB1	9	0.4
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB2	9	0.4
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB3	9	0.4
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB1	9	0.4
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB2	9	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB3	9	0.4
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB1	9	0.4
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB2	9	0.4
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB3	9	0.4
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG21	1	0.4
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG22	1	0.4
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG23	1	0.4
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG21	11	0.4
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG22	11	0.4
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG23	11	0.4
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG21	11	0.4
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG22	11	0.4
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG23	11	0.4
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG21	11	0.4
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG22	11	0.4
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG23	11	0.4
(1,1321)	1:26:A:PRO:HB2	1:30:A:LYS:HG3	12	0.4
(1,1321)	1:26:A:PRO:HB3	1:30:A:LYS:HG3	12	0.4
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG11	9	0.4
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG12	9	0.4
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG13	9	0.4
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG21	9	0.4
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG22	9	0.4
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG23	9	0.4
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG21	3	0.4
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG22	3	0.4
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG23	3	0.4
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG21	12	0.4
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG22	12	0.4
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG23	12	0.4
(1,991)	1:11:A:LEU:H	1:9:A:LEU:HA	3	0.4
(1,930)	1:42:A:LEU:HD11	1:45:A:THR:H	12	0.4
(1,930)	1:42:A:LEU:HD12	1:45:A:THR:H	12	0.4
(1,930)	1:42:A:LEU:HD13	1:45:A:THR:H	12	0.4
(1,930)	1:42:A:LEU:HD21	1:45:A:THR:H	12	0.4
(1,930)	1:42:A:LEU:HD22	1:45:A:THR:H	12	0.4
(1,930)	1:42:A:LEU:HD23	1:45:A:THR:H	12	0.4
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG11	9	0.4
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG12	9	0.4
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG13	9	0.4
(4,147)	1:65:A:LYS:O	1:69:A:ALA:N	9	0.39
(4,142)	1:60:A:GLN:O	1:64:A:LYS:N	7	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,224)	1:96:A:TYR:HD1	1:102:A:LEU:HD11	12	0.39
(2,224)	1:96:A:TYR:HD1	1:102:A:LEU:HD12	12	0.39
(2,224)	1:96:A:TYR:HD1	1:102:A:LEU:HD13	12	0.39
(2,224)	1:96:A:TYR:HD2	1:102:A:LEU:HD11	12	0.39
(2,224)	1:96:A:TYR:HD2	1:102:A:LEU:HD12	12	0.39
(2,224)	1:96:A:TYR:HD2	1:102:A:LEU:HD13	12	0.39
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD11	13	0.39
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD12	13	0.39
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD13	13	0.39
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD11	15	0.39
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD12	15	0.39
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD13	15	0.39
(1,2830)	1:57:A:GLN:HE21	1:55:A:LYS:HA	12	0.39
(1,2767)	1:24:A:ARG:HB2	1:20:A:LEU:HD11	2	0.39
(1,2767)	1:24:A:ARG:HB2	1:20:A:LEU:HD12	2	0.39
(1,2767)	1:24:A:ARG:HB2	1:20:A:LEU:HD13	2	0.39
(1,2763)	1:22:A:PRO:HG2	1:24:A:ARG:H	1	0.39
(1,2763)	1:22:A:PRO:HG3	1:24:A:ARG:H	1	0.39
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	9	0.39
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	9	0.39
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	9	0.39
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	9	0.39
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	9	0.39
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	9	0.39
(1,2706)	1:57:A:GLN:HE21	1:55:A:LYS:HA	12	0.39
(1,2643)	1:24:A:ARG:HB2	1:20:A:LEU:HD11	2	0.39
(1,2643)	1:24:A:ARG:HB2	1:20:A:LEU:HD12	2	0.39
(1,2643)	1:24:A:ARG:HB2	1:20:A:LEU:HD13	2	0.39
(1,2639)	1:22:A:PRO:HG2	1:24:A:ARG:H	1	0.39
(1,2639)	1:22:A:PRO:HG3	1:24:A:ARG:H	1	0.39
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	9	0.39
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	9	0.39
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	9	0.39
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	9	0.39
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	9	0.39
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	9	0.39
(1,2582)	1:57:A:GLN:HE21	1:55:A:LYS:HA	12	0.39
(1,2519)	1:24:A:ARG:HB2	1:20:A:LEU:HD11	2	0.39
(1,2519)	1:24:A:ARG:HB2	1:20:A:LEU:HD12	2	0.39
(1,2519)	1:24:A:ARG:HB2	1:20:A:LEU:HD13	2	0.39
(1,2515)	1:22:A:PRO:HG2	1:24:A:ARG:H	1	0.39
(1,2515)	1:22:A:PRO:HG3	1:24:A:ARG:H	1	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	9	0.39
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	9	0.39
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	9	0.39
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	9	0.39
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	9	0.39
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	9	0.39
(1,2458)	1:57:A:GLN:HE21	1:55:A:LYS:HA	12	0.39
(1,2395)	1:24:A:ARG:HB2	1:20:A:LEU:HD11	2	0.39
(1,2395)	1:24:A:ARG:HB2	1:20:A:LEU:HD12	2	0.39
(1,2395)	1:24:A:ARG:HB2	1:20:A:LEU:HD13	2	0.39
(1,2391)	1:22:A:PRO:HG2	1:24:A:ARG:H	1	0.39
(1,2391)	1:22:A:PRO:HG3	1:24:A:ARG:H	1	0.39
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	9	0.39
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	9	0.39
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	9	0.39
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	9	0.39
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	9	0.39
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	9	0.39
(1,2334)	1:57:A:GLN:HE21	1:55:A:LYS:HA	12	0.39
(1,2271)	1:24:A:ARG:HB2	1:20:A:LEU:HD11	2	0.39
(1,2271)	1:24:A:ARG:HB2	1:20:A:LEU:HD12	2	0.39
(1,2271)	1:24:A:ARG:HB2	1:20:A:LEU:HD13	2	0.39
(1,2267)	1:22:A:PRO:HG2	1:24:A:ARG:H	1	0.39
(1,2267)	1:22:A:PRO:HG3	1:24:A:ARG:H	1	0.39
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	9	0.39
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	9	0.39
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	9	0.39
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	9	0.39
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	9	0.39
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	9	0.39
(1,2230)	1:101:A:PRO:HG2	1:102:A:LEU:H	11	0.39
(1,2188)	1:96:A:TYR:HB3	1:97:A:VAL:HA	2	0.39
(1,2188)	1:96:A:TYR:HB2	1:97:A:VAL:HA	2	0.39
(1,2188)	1:96:A:TYR:HB3	1:97:A:VAL:HA	7	0.39
(1,2188)	1:96:A:TYR:HB2	1:97:A:VAL:HA	7	0.39
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB2	8	0.39
(1,2185)	1:96:A:TYR:H	1:95:A:SER:HB3	8	0.39
(1,2164)	1:93:A:LYS:HG3	1:97:A:VAL:HB	1	0.39
(1,2156)	1:92:A:MET:HB2	1:93:A:LYS:H	10	0.39
(1,2111)	1:85:A:LEU:HB2	1:86:A:ARG:H	14	0.39
(1,2111)	1:85:A:LEU:HB3	1:86:A:ARG:H	14	0.39
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB1	3	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB2	3	0.39
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB3	3	0.39
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB1	3	0.39
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB2	3	0.39
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB3	3	0.39
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB1	9	0.39
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB2	9	0.39
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB3	9	0.39
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB1	9	0.39
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB2	9	0.39
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB3	9	0.39
(1,2089)	1:83:A:ASP:HA	1:87:A:GLN:H	1	0.39
(1,2076)	1:83:A:ASP:H	1:79:A:LYS:HA	8	0.39
(1,1994)	1:73:A:ASN:HD21	1:72:A:THR:HG21	6	0.39
(1,1994)	1:73:A:ASN:HD21	1:72:A:THR:HG22	6	0.39
(1,1994)	1:73:A:ASN:HD21	1:72:A:THR:HG23	6	0.39
(1,1994)	1:73:A:ASN:HD22	1:72:A:THR:HG21	6	0.39
(1,1994)	1:73:A:ASN:HD22	1:72:A:THR:HG22	6	0.39
(1,1994)	1:73:A:ASN:HD22	1:72:A:THR:HG23	6	0.39
(1,1975)	1:71:A:LEU:H	1:72:A:THR:HA	1	0.39
(1,1975)	1:71:A:LEU:H	1:72:A:THR:HA	2	0.39
(1,1975)	1:71:A:LEU:H	1:72:A:THR:HA	12	0.39
(1,1941)	1:67:A:GLU:H	1:63:A:LEU:HA	1	0.39
(1,1941)	1:67:A:GLU:H	1:63:A:LEU:HA	6	0.39
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD2	10	0.39
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD3	10	0.39
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG2	4	0.39
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG3	4	0.39
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG21	15	0.39
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG22	15	0.39
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG23	15	0.39
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB2	7	0.39
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB3	7	0.39
(1,1823)	1:46:A:VAL:HA	1:48:A:ASN:H	2	0.39
(1,1822)	1:46:A:VAL:H	1:47:A:GLN:H	8	0.39
(1,1822)	1:46:A:VAL:H	1:47:A:GLN:H	15	0.39
(1,1779)	1:40:A:ARG:H	1:41:A:SER:H	2	0.39
(1,1779)	1:40:A:ARG:H	1:41:A:SER:H	4	0.39
(1,1691)	1:20:A:LEU:H	1:19:A:VAL:HB	1	0.39
(1,1691)	1:20:A:LEU:H	1:19:A:VAL:HB	3	0.39
(1,1691)	1:20:A:LEU:H	1:19:A:VAL:HB	7	0.39
(1,1691)	1:20:A:LEU:H	1:19:A:VAL:HB	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1668)	1:15:A:ILE:HA	1:18:A:VAL:H	2	0.39
(1,1668)	1:15:A:ILE:HA	1:18:A:VAL:H	6	0.39
(1,1668)	1:15:A:ILE:HA	1:18:A:VAL:H	9	0.39
(1,1665)	1:15:A:ILE:HB	1:16:A:GLY:H	5	0.39
(1,1663)	1:15:A:ILE:HB	1:12:A:VAL:HA	1	0.39
(1,1633)	1:13:A:PHE:H	1:11:A:LEU:H	13	0.39
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG11	8	0.39
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG12	8	0.39
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG13	8	0.39
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG21	8	0.39
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG22	8	0.39
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG23	8	0.39
(1,1599)	1:6:A:PHE:HB3	1:9:A:LEU:HB2	10	0.39
(1,1599)	1:6:A:PHE:HB2	1:9:A:LEU:HB2	10	0.39
(1,1492)	1:82:A:MET:HB2	1:81:A:SER:H	1	0.39
(1,1492)	1:82:A:MET:HB3	1:81:A:SER:H	1	0.39
(1,1492)	1:82:A:MET:HB2	1:81:A:SER:H	10	0.39
(1,1492)	1:82:A:MET:HB3	1:81:A:SER:H	10	0.39
(1,1492)	1:82:A:MET:HB2	1:81:A:SER:H	12	0.39
(1,1492)	1:82:A:MET:HB3	1:81:A:SER:H	12	0.39
(1,1492)	1:82:A:MET:HB2	1:81:A:SER:H	15	0.39
(1,1492)	1:82:A:MET:HB3	1:81:A:SER:H	15	0.39
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG21	4	0.39
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG22	4	0.39
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG23	4	0.39
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG21	4	0.39
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG22	4	0.39
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG23	4	0.39
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB1	6	0.39
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB2	6	0.39
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB3	6	0.39
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB1	6	0.39
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB2	6	0.39
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB3	6	0.39
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB1	6	0.39
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB2	6	0.39
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB3	6	0.39
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB1	10	0.39
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB2	10	0.39
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB3	10	0.39
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB1	10	0.39
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB2	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB3	10	0.39
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB1	10	0.39
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB2	10	0.39
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB3	10	0.39
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG21	12	0.39
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG22	12	0.39
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG23	12	0.39
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG21	3	0.39
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG22	3	0.39
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG23	3	0.39
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG21	3	0.39
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG22	3	0.39
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG23	3	0.39
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG21	3	0.39
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG22	3	0.39
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG23	3	0.39
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG21	6	0.39
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG22	6	0.39
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG23	6	0.39
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG21	6	0.39
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG22	6	0.39
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG23	6	0.39
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG21	6	0.39
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG22	6	0.39
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG23	6	0.39
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG21	4	0.39
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG22	4	0.39
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG23	4	0.39
(1,991)	1:11:A:LEU:H	1:9:A:LEU:HA	11	0.39
(4,147)	1:65:A:LYS:O	1:69:A:ALA:N	4	0.38
(4,147)	1:65:A:LYS:O	1:69:A:ALA:N	6	0.38
(2,252)	1:71:A:LEU:HB2	1:72:A:THR:HB	15	0.38
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD11	1	0.38
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD12	1	0.38
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD13	1	0.38
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD21	13	0.38
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD22	13	0.38
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD23	13	0.38
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	5	0.38
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	5	0.38
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB2	15	0.38
(1,2799)	1:49:A:GLU:HA	1:53:A:GLU:HB3	15	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD21	11	0.38
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD22	11	0.38
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD23	11	0.38
(1,2778)	1:45:A:THR:HA	1:49:A:GLU:H	7	0.38
(1,2763)	1:22:A:PRO:HG2	1:24:A:ARG:H	14	0.38
(1,2763)	1:22:A:PRO:HG3	1:24:A:ARG:H	14	0.38
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD21	13	0.38
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD22	13	0.38
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD23	13	0.38
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	5	0.38
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	5	0.38
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB2	15	0.38
(1,2675)	1:49:A:GLU:HA	1:53:A:GLU:HB3	15	0.38
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD21	11	0.38
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD22	11	0.38
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD23	11	0.38
(1,2654)	1:45:A:THR:HA	1:49:A:GLU:H	7	0.38
(1,2639)	1:22:A:PRO:HG2	1:24:A:ARG:H	14	0.38
(1,2639)	1:22:A:PRO:HG3	1:24:A:ARG:H	14	0.38
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD21	13	0.38
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD22	13	0.38
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD23	13	0.38
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	5	0.38
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	5	0.38
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB2	15	0.38
(1,2551)	1:49:A:GLU:HA	1:53:A:GLU:HB3	15	0.38
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD21	11	0.38
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD22	11	0.38
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD23	11	0.38
(1,2530)	1:45:A:THR:HA	1:49:A:GLU:H	7	0.38
(1,2515)	1:22:A:PRO:HG2	1:24:A:ARG:H	14	0.38
(1,2515)	1:22:A:PRO:HG3	1:24:A:ARG:H	14	0.38
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD21	13	0.38
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD22	13	0.38
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD23	13	0.38
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	5	0.38
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	5	0.38
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB2	15	0.38
(1,2427)	1:49:A:GLU:HA	1:53:A:GLU:HB3	15	0.38
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD21	11	0.38
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD22	11	0.38
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD23	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2406)	1:45:A:THR:HA	1:49:A:GLU:H	7	0.38
(1,2391)	1:22:A:PRO:HG2	1:24:A:ARG:H	14	0.38
(1,2391)	1:22:A:PRO:HG3	1:24:A:ARG:H	14	0.38
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD21	13	0.38
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD22	13	0.38
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD23	13	0.38
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	5	0.38
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	5	0.38
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB2	15	0.38
(1,2303)	1:49:A:GLU:HA	1:53:A:GLU:HB3	15	0.38
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD21	11	0.38
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD22	11	0.38
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD23	11	0.38
(1,2282)	1:45:A:THR:HA	1:49:A:GLU:H	7	0.38
(1,2267)	1:22:A:PRO:HG2	1:24:A:ARG:H	14	0.38
(1,2267)	1:22:A:PRO:HG3	1:24:A:ARG:H	14	0.38
(1,2234)	1:101:A:PRO:HD2	1:103:A:GLU:H	11	0.38
(1,2234)	1:101:A:PRO:HD3	1:103:A:GLU:H	11	0.38
(1,2227)	1:101:A:PRO:HG2	1:100:A:ASP:HA	6	0.38
(1,2227)	1:101:A:PRO:HG3	1:100:A:ASP:HA	6	0.38
(1,2195)	1:96:A:TYR:HA	1:98:A:ALA:H	2	0.38
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG21	1	0.38
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG22	1	0.38
(1,2165)	1:93:A:LYS:HG3	1:97:A:VAL:HG23	1	0.38
(1,2156)	1:92:A:MET:HB2	1:93:A:LYS:H	3	0.38
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB1	5	0.38
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB2	5	0.38
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB3	5	0.38
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB1	5	0.38
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB2	5	0.38
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB3	5	0.38
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB1	13	0.38
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB2	13	0.38
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB3	13	0.38
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB1	13	0.38
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB2	13	0.38
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB3	13	0.38
(1,2089)	1:83:A:ASP:HA	1:87:A:GLN:H	3	0.38
(1,2089)	1:83:A:ASP:HA	1:87:A:GLN:H	4	0.38
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB2	3	0.38
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB3	3	0.38
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB2	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB3	8	0.38
(1,1957)	1:68:A:LYS:HA	1:71:A:LEU:H	15	0.38
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG21	3	0.38
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG22	3	0.38
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG23	3	0.38
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG21	3	0.38
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG22	3	0.38
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG23	3	0.38
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE2	6	0.38
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE3	6	0.38
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG2	2	0.38
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG3	2	0.38
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG2	12	0.38
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG3	12	0.38
(1,1916)	1:65:A:LYS:H	1:61:A:ASP:HA	12	0.38
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB2	6	0.38
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB3	6	0.38
(1,1879)	1:61:A:ASP:HB2	1:58:A:GLU:HA	1	0.38
(1,1879)	1:61:A:ASP:HB3	1:58:A:GLU:HA	1	0.38
(1,1879)	1:61:A:ASP:HB2	1:58:A:GLU:HA	5	0.38
(1,1879)	1:61:A:ASP:HB3	1:58:A:GLU:HA	5	0.38
(1,1836)	1:48:A:ASN:HA	1:52:A:GLN:HE21	1	0.38
(1,1817)	1:46:A:VAL:H	1:43:A:ALA:HA	15	0.38
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB1	11	0.38
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB2	11	0.38
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB3	11	0.38
(1,1691)	1:20:A:LEU:H	1:19:A:VAL:HB	4	0.38
(1,1691)	1:20:A:LEU:H	1:19:A:VAL:HB	5	0.38
(1,1691)	1:20:A:LEU:H	1:19:A:VAL:HB	6	0.38
(1,1691)	1:20:A:LEU:H	1:19:A:VAL:HB	8	0.38
(1,1691)	1:20:A:LEU:H	1:19:A:VAL:HB	10	0.38
(1,1691)	1:20:A:LEU:H	1:19:A:VAL:HB	14	0.38
(1,1668)	1:15:A:ILE:HA	1:18:A:VAL:H	5	0.38
(1,1665)	1:15:A:ILE:HB	1:16:A:GLY:H	1	0.38
(1,1643)	1:13:A:PHE:HB2	1:14:A:ILE:HB	12	0.38
(1,1643)	1:13:A:PHE:HB3	1:14:A:ILE:HB	12	0.38
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG21	3	0.38
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG22	3	0.38
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG23	3	0.38
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG21	8	0.38
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG22	8	0.38
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG23	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1493)	1:82:A:MET:HG2	1:81:A:SER:H	7	0.38
(1,1493)	1:82:A:MET:HG3	1:81:A:SER:H	7	0.38
(1,1492)	1:82:A:MET:HB2	1:81:A:SER:H	5	0.38
(1,1492)	1:82:A:MET:HB3	1:81:A:SER:H	5	0.38
(1,1492)	1:82:A:MET:HB2	1:81:A:SER:H	11	0.38
(1,1492)	1:82:A:MET:HB3	1:81:A:SER:H	11	0.38
(1,1431)	1:56:A:LEU:H	1:54:A:LEU:H	4	0.38
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG21	7	0.38
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG22	7	0.38
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG23	7	0.38
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG21	7	0.38
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG22	7	0.38
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG23	7	0.38
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB3	13	0.38
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB3	13	0.38
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB3	13	0.38
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB3	13	0.38
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB3	13	0.38
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB3	13	0.38
(1,1388)	1:42:A:LEU:HD11	1:39:A:LEU:HB2	13	0.38
(1,1388)	1:42:A:LEU:HD12	1:39:A:LEU:HB2	13	0.38
(1,1388)	1:42:A:LEU:HD13	1:39:A:LEU:HB2	13	0.38
(1,1388)	1:42:A:LEU:HD21	1:39:A:LEU:HB2	13	0.38
(1,1388)	1:42:A:LEU:HD22	1:39:A:LEU:HB2	13	0.38
(1,1388)	1:42:A:LEU:HD23	1:39:A:LEU:HB2	13	0.38
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG21	8	0.38
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG22	8	0.38
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG23	8	0.38
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG21	13	0.38
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG22	13	0.38
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG23	13	0.38
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG21	14	0.38
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG22	14	0.38
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG23	14	0.38
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG21	15	0.38
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG22	15	0.38
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG23	15	0.38
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG11	3	0.38
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG12	3	0.38
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG13	3	0.38
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG21	3	0.38
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG22	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG23	3	0.38
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG21	1	0.38
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG22	1	0.38
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG23	1	0.38
(1,991)	1:11:A:LEU:H	1:9:A:LEU:HA	15	0.38
(1,930)	1:42:A:LEU:HD11	1:45:A:THR:H	4	0.38
(1,930)	1:42:A:LEU:HD12	1:45:A:THR:H	4	0.38
(1,930)	1:42:A:LEU:HD13	1:45:A:THR:H	4	0.38
(1,930)	1:42:A:LEU:HD21	1:45:A:THR:H	4	0.38
(1,930)	1:42:A:LEU:HD22	1:45:A:THR:H	4	0.38
(1,930)	1:42:A:LEU:HD23	1:45:A:THR:H	4	0.38
(4,147)	1:65:A:LYS:O	1:69:A:ALA:N	5	0.37
(4,147)	1:65:A:LYS:O	1:69:A:ALA:N	14	0.37
(4,144)	1:62:A:SER:O	1:66:A:VAL:N	14	0.37
(4,141)	1:59:A:PHE:O	1:63:A:LEU:N	7	0.37
(4,140)	1:58:A:GLU:O	1:62:A:SER:N	12	0.37
(4,112)	1:7:A:SER:O	1:11:A:LEU:N	5	0.37
(2,233)	1:101:A:PRO:HA	1:102:A:LEU:HG	11	0.37
(2,224)	1:96:A:TYR:HD1	1:102:A:LEU:HD11	13	0.37
(2,224)	1:96:A:TYR:HD1	1:102:A:LEU:HD12	13	0.37
(2,224)	1:96:A:TYR:HD1	1:102:A:LEU:HD13	13	0.37
(2,224)	1:96:A:TYR:HD2	1:102:A:LEU:HD11	13	0.37
(2,224)	1:96:A:TYR:HD2	1:102:A:LEU:HD12	13	0.37
(2,224)	1:96:A:TYR:HD2	1:102:A:LEU:HD13	13	0.37
(2,224)	1:96:A:TYR:HD1	1:102:A:LEU:HD11	15	0.37
(2,224)	1:96:A:TYR:HD1	1:102:A:LEU:HD12	15	0.37
(2,224)	1:96:A:TYR:HD1	1:102:A:LEU:HD13	15	0.37
(2,224)	1:96:A:TYR:HD2	1:102:A:LEU:HD11	15	0.37
(2,224)	1:96:A:TYR:HD2	1:102:A:LEU:HD12	15	0.37
(2,224)	1:96:A:TYR:HD2	1:102:A:LEU:HD13	15	0.37
(2,221)	1:96:A:TYR:HA	1:99:A:ASN:HB2	4	0.37
(2,221)	1:96:A:TYR:HA	1:99:A:ASN:HB3	4	0.37
(2,104)	1:98:A:ALA:H	1:96:A:TYR:HE1	9	0.37
(2,104)	1:98:A:ALA:H	1:96:A:TYR:HE2	9	0.37
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	14	0.37
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	14	0.37
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	14	0.37
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	14	0.37
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	14	0.37
(1,2827)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	14	0.37
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD21	12	0.37
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD22	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD23	12	0.37
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	10	0.37
(1,2784)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	10	0.37
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	10	0.37
(1,2784)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	10	0.37
(1,2783)	1:48:A:ASN:HB2	1:45:A:THR:HG21	8	0.37
(1,2783)	1:48:A:ASN:HB2	1:45:A:THR:HG22	8	0.37
(1,2783)	1:48:A:ASN:HB2	1:45:A:THR:HG23	8	0.37
(1,2783)	1:48:A:ASN:HB3	1:45:A:THR:HG21	8	0.37
(1,2783)	1:48:A:ASN:HB3	1:45:A:THR:HG22	8	0.37
(1,2783)	1:48:A:ASN:HB3	1:45:A:THR:HG23	8	0.37
(1,2763)	1:22:A:PRO:HG2	1:24:A:ARG:H	6	0.37
(1,2763)	1:22:A:PRO:HG3	1:24:A:ARG:H	6	0.37
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	3	0.37
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	3	0.37
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	3	0.37
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	3	0.37
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	3	0.37
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	3	0.37
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	7	0.37
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	7	0.37
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	7	0.37
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	7	0.37
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	7	0.37
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	7	0.37
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	14	0.37
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	14	0.37
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	14	0.37
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	14	0.37
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	14	0.37
(1,2703)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	14	0.37
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD21	12	0.37
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD22	12	0.37
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD23	12	0.37
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	10	0.37
(1,2660)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	10	0.37
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	10	0.37
(1,2660)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	10	0.37
(1,2659)	1:48:A:ASN:HB2	1:45:A:THR:HG21	8	0.37
(1,2659)	1:48:A:ASN:HB2	1:45:A:THR:HG22	8	0.37
(1,2659)	1:48:A:ASN:HB2	1:45:A:THR:HG23	8	0.37
(1,2659)	1:48:A:ASN:HB3	1:45:A:THR:HG21	8	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2659)	1:48:A:ASN:HB3	1:45:A:THR:HG22	8	0.37
(1,2659)	1:48:A:ASN:HB3	1:45:A:THR:HG23	8	0.37
(1,2639)	1:22:A:PRO:HG2	1:24:A:ARG:H	6	0.37
(1,2639)	1:22:A:PRO:HG3	1:24:A:ARG:H	6	0.37
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	3	0.37
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	3	0.37
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	3	0.37
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	3	0.37
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	3	0.37
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	3	0.37
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	7	0.37
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	7	0.37
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	7	0.37
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	7	0.37
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	7	0.37
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	7	0.37
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	14	0.37
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	14	0.37
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	14	0.37
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	14	0.37
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	14	0.37
(1,2579)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	14	0.37
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD21	12	0.37
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD22	12	0.37
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD23	12	0.37
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	10	0.37
(1,2536)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	10	0.37
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	10	0.37
(1,2536)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	10	0.37
(1,2535)	1:48:A:ASN:HB2	1:45:A:THR:HG21	8	0.37
(1,2535)	1:48:A:ASN:HB2	1:45:A:THR:HG22	8	0.37
(1,2535)	1:48:A:ASN:HB2	1:45:A:THR:HG23	8	0.37
(1,2535)	1:48:A:ASN:HB3	1:45:A:THR:HG21	8	0.37
(1,2535)	1:48:A:ASN:HB3	1:45:A:THR:HG22	8	0.37
(1,2535)	1:48:A:ASN:HB3	1:45:A:THR:HG23	8	0.37
(1,2515)	1:22:A:PRO:HG2	1:24:A:ARG:H	6	0.37
(1,2515)	1:22:A:PRO:HG3	1:24:A:ARG:H	6	0.37
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	3	0.37
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	3	0.37
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	3	0.37
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	3	0.37
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	3	0.37
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	7	0.37
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	7	0.37
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	7	0.37
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	7	0.37
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	7	0.37
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	7	0.37
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	14	0.37
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	14	0.37
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	14	0.37
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	14	0.37
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	14	0.37
(1,2455)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	14	0.37
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD21	12	0.37
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD22	12	0.37
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD23	12	0.37
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	10	0.37
(1,2412)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	10	0.37
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	10	0.37
(1,2412)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	10	0.37
(1,2411)	1:48:A:ASN:HB2	1:45:A:THR:HG21	8	0.37
(1,2411)	1:48:A:ASN:HB2	1:45:A:THR:HG22	8	0.37
(1,2411)	1:48:A:ASN:HB2	1:45:A:THR:HG23	8	0.37
(1,2411)	1:48:A:ASN:HB3	1:45:A:THR:HG21	8	0.37
(1,2411)	1:48:A:ASN:HB3	1:45:A:THR:HG22	8	0.37
(1,2411)	1:48:A:ASN:HB3	1:45:A:THR:HG23	8	0.37
(1,2391)	1:22:A:PRO:HG2	1:24:A:ARG:H	6	0.37
(1,2391)	1:22:A:PRO:HG3	1:24:A:ARG:H	6	0.37
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	3	0.37
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	3	0.37
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	3	0.37
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	3	0.37
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	3	0.37
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	3	0.37
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	7	0.37
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	7	0.37
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	7	0.37
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	7	0.37
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	7	0.37
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	7	0.37
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	14	0.37
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	14	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	14	0.37
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	14	0.37
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	14	0.37
(1,2331)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	14	0.37
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD21	12	0.37
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD22	12	0.37
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD23	12	0.37
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG2	10	0.37
(1,2288)	1:48:A:ASN:HB2	1:47:A:GLN:HG3	10	0.37
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG2	10	0.37
(1,2288)	1:48:A:ASN:HB3	1:47:A:GLN:HG3	10	0.37
(1,2287)	1:48:A:ASN:HB2	1:45:A:THR:HG21	8	0.37
(1,2287)	1:48:A:ASN:HB2	1:45:A:THR:HG22	8	0.37
(1,2287)	1:48:A:ASN:HB2	1:45:A:THR:HG23	8	0.37
(1,2287)	1:48:A:ASN:HB3	1:45:A:THR:HG21	8	0.37
(1,2287)	1:48:A:ASN:HB3	1:45:A:THR:HG22	8	0.37
(1,2287)	1:48:A:ASN:HB3	1:45:A:THR:HG23	8	0.37
(1,2267)	1:22:A:PRO:HG2	1:24:A:ARG:H	6	0.37
(1,2267)	1:22:A:PRO:HG3	1:24:A:ARG:H	6	0.37
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	3	0.37
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	3	0.37
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	3	0.37
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	3	0.37
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	3	0.37
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	3	0.37
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	7	0.37
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	7	0.37
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	7	0.37
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	7	0.37
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	7	0.37
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	7	0.37
(1,2229)	1:101:A:PRO:HD2	1:102:A:LEU:H	13	0.37
(1,2229)	1:101:A:PRO:HD3	1:102:A:LEU:H	13	0.37
(1,2229)	1:101:A:PRO:HD2	1:102:A:LEU:H	15	0.37
(1,2229)	1:101:A:PRO:HD3	1:102:A:LEU:H	15	0.37
(1,2222)	1:99:A:ASN:HB3	1:100:A:ASP:H	5	0.37
(1,2222)	1:99:A:ASN:HB2	1:100:A:ASP:H	5	0.37
(1,2222)	1:99:A:ASN:HB3	1:100:A:ASP:H	11	0.37
(1,2222)	1:99:A:ASN:HB2	1:100:A:ASP:H	11	0.37
(1,2177)	1:94:A:ARG:HA	1:97:A:VAL:HB	7	0.37
(1,2174)	1:94:A:ARG:HB2	1:95:A:SER:H	9	0.37
(1,2174)	1:94:A:ARG:HB3	1:95:A:SER:H	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2156)	1:92:A:MET:HB2	1:93:A:LYS:H	4	0.37
(1,2156)	1:92:A:MET:HB2	1:93:A:LYS:H	5	0.37
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE1	4	0.37
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE2	4	0.37
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE3	4	0.37
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE1	8	0.37
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE2	8	0.37
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE3	8	0.37
(1,2076)	1:83:A:ASP:H	1:79:A:LYS:HA	11	0.37
(1,2031)	1:77:A:GLU:HA	1:80:A:ALA:H	8	0.37
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG2	7	0.37
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG3	7	0.37
(1,1975)	1:71:A:LEU:H	1:72:A:THR:HA	13	0.37
(1,1975)	1:71:A:LEU:H	1:72:A:THR:HA	15	0.37
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB2	13	0.37
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB3	13	0.37
(1,1941)	1:67:A:GLU:H	1:63:A:LEU:HA	12	0.37
(1,1917)	1:65:A:LYS:HB2	1:62:A:SER:HA	6	0.37
(1,1917)	1:65:A:LYS:HB3	1:62:A:SER:HA	6	0.37
(1,1916)	1:65:A:LYS:H	1:61:A:ASP:HA	7	0.37
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB2	3	0.37
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB3	3	0.37
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB2	4	0.37
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB3	4	0.37
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB2	6	0.37
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB3	6	0.37
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB1	10	0.37
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB2	10	0.37
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB3	10	0.37
(1,1787)	1:42:A:LEU:HD11	1:43:A:ALA:H	2	0.37
(1,1787)	1:42:A:LEU:HD12	1:43:A:ALA:H	2	0.37
(1,1787)	1:42:A:LEU:HD13	1:43:A:ALA:H	2	0.37
(1,1787)	1:42:A:LEU:HD21	1:43:A:ALA:H	2	0.37
(1,1787)	1:42:A:LEU:HD22	1:43:A:ALA:H	2	0.37
(1,1787)	1:42:A:LEU:HD23	1:43:A:ALA:H	2	0.37
(1,1779)	1:40:A:ARG:H	1:41:A:SER:H	10	0.37
(1,1671)	1:15:A:ILE:HA	1:19:A:VAL:H	2	0.37
(1,1665)	1:15:A:ILE:HB	1:16:A:GLY:H	3	0.37
(1,1665)	1:15:A:ILE:HB	1:16:A:GLY:H	7	0.37
(1,1665)	1:15:A:ILE:HB	1:16:A:GLY:H	15	0.37
(1,1599)	1:6:A:PHE:HB3	1:9:A:LEU:HB2	9	0.37
(1,1599)	1:6:A:PHE:HB2	1:9:A:LEU:HB2	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG21	10	0.37
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG22	10	0.37
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG23	10	0.37
(1,1492)	1:82:A:MET:HB2	1:81:A:SER:H	2	0.37
(1,1492)	1:82:A:MET:HB3	1:81:A:SER:H	2	0.37
(1,1492)	1:82:A:MET:HB2	1:81:A:SER:H	8	0.37
(1,1492)	1:82:A:MET:HB3	1:81:A:SER:H	8	0.37
(1,1482)	1:76:A:PRO:HA	1:79:A:LYS:HB2	13	0.37
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG21	6	0.37
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG22	6	0.37
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG23	6	0.37
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG21	6	0.37
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG22	6	0.37
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG23	6	0.37
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB1	10	0.37
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB2	10	0.37
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB3	10	0.37
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG2	7	0.37
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG3	7	0.37
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG21	4	0.37
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG22	4	0.37
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG23	4	0.37
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG21	5	0.37
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG22	5	0.37
(1,1340)	1:34:A:GLY:H	1:31:A:THR:HG23	5	0.37
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG21	2	0.37
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG22	2	0.37
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG23	2	0.37
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG21	2	0.37
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG22	2	0.37
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG23	2	0.37
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG21	2	0.37
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG22	2	0.37
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG23	2	0.37
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG11	6	0.37
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG12	6	0.37
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG13	6	0.37
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG21	6	0.37
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG22	6	0.37
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG23	6	0.37
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG12	12	0.37
(1,1244)	1:2:A:PHE:HB3	1:4:A:ILE:HG12	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG13	12	0.37
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG12	13	0.37
(1,1244)	1:2:A:PHE:HB3	1:4:A:ILE:HG12	13	0.37
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG13	13	0.37
(1,991)	1:11:A:LEU:H	1:9:A:LEU:HA	12	0.37
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG21	4	0.37
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG22	4	0.37
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG23	4	0.37
(4,147)	1:65:A:LYS:O	1:69:A:ALA:N	7	0.36
(4,147)	1:65:A:LYS:O	1:69:A:ALA:N	13	0.36
(4,146)	1:64:A:LYS:O	1:68:A:LYS:N	5	0.36
(4,144)	1:62:A:SER:O	1:66:A:VAL:N	10	0.36
(4,130)	1:35:A:TRP:O	1:39:A:LEU:N	1	0.36
(4,130)	1:35:A:TRP:O	1:39:A:LEU:N	2	0.36
(4,122)	1:27:A:VAL:O	1:31:A:THR:N	1	0.36
(4,112)	1:7:A:SER:O	1:11:A:LEU:N	6	0.36
(4,112)	1:7:A:SER:O	1:11:A:LEU:N	11	0.36
(4,31)	1:31:A:THR:O	1:35:A:TRP:H	7	0.36
(2,224)	1:96:A:TYR:HD1	1:102:A:LEU:HD11	1	0.36
(2,224)	1:96:A:TYR:HD1	1:102:A:LEU:HD12	1	0.36
(2,224)	1:96:A:TYR:HD1	1:102:A:LEU:HD13	1	0.36
(2,224)	1:96:A:TYR:HD2	1:102:A:LEU:HD11	1	0.36
(2,224)	1:96:A:TYR:HD2	1:102:A:LEU:HD12	1	0.36
(2,224)	1:96:A:TYR:HD2	1:102:A:LEU:HD13	1	0.36
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD11	12	0.36
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD12	12	0.36
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD13	12	0.36
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	7	0.36
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	7	0.36
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	7	0.36
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	13	0.36
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	13	0.36
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	13	0.36
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	13	0.36
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	13	0.36
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	13	0.36
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	13	0.36
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	13	0.36
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	13	0.36
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	13	0.36
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	13	0.36
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	13	0.36
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	13	0.36
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	13	0.36
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	13	0.36
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	13	0.36
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	13	0.36
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	13	0.36
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	13	0.36
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	13	0.36
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	8	0.36
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	8	0.36
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	9	0.36
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	9	0.36
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	12	0.36
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	12	0.36
(1,2803)	1:50:A:LEU:H	1:54:A:LEU:HB3	4	0.36
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	15	0.36
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	15	0.36
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	15	0.36
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	15	0.36
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	15	0.36
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	15	0.36
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	2	0.36
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	2	0.36
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	2	0.36
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	2	0.36
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	2	0.36
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	2	0.36
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	7	0.36
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	7	0.36
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	7	0.36
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	13	0.36
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	13	0.36
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	13	0.36
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	13	0.36
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	13	0.36
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	13	0.36
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	13	0.36
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	13	0.36
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	13	0.36
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	13	0.36
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	13	0.36
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	13	0.36
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	13	0.36
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	13	0.36
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	13	0.36
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	13	0.36
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	13	0.36
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	13	0.36
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	13	0.36
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	13	0.36
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	8	0.36
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	8	0.36
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	9	0.36
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	9	0.36
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	12	0.36
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	12	0.36
(1,2679)	1:50:A:LEU:H	1:54:A:LEU:HB3	4	0.36
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	15	0.36
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	15	0.36
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	15	0.36
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	15	0.36
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	15	0.36
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	15	0.36
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	2	0.36
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	2	0.36
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	2	0.36
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	2	0.36
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	2	0.36
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	2	0.36
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	7	0.36
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	7	0.36
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	7	0.36
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	13	0.36
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	13	0.36
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	13	0.36
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	13	0.36
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	13	0.36
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	13	0.36
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	13	0.36
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	13	0.36
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	13	0.36
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	13	0.36
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	13	0.36
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	13	0.36
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	13	0.36
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	13	0.36
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	13	0.36
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	13	0.36
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	13	0.36
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	13	0.36
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	13	0.36
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	13	0.36
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	8	0.36
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	8	0.36
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	9	0.36
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	9	0.36
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	12	0.36
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	12	0.36
(1,2555)	1:50:A:LEU:H	1:54:A:LEU:HB3	4	0.36
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	15	0.36
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	15	0.36
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	15	0.36
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	15	0.36
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	15	0.36
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	15	0.36
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	2	0.36
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	2	0.36
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	2	0.36
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	2	0.36
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	2	0.36
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	2	0.36
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	7	0.36
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	7	0.36
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	7	0.36
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	13	0.36
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	13	0.36
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	13	0.36
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	13	0.36
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	13	0.36
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	13	0.36
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	13	0.36
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	13	0.36
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	13	0.36
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	13	0.36
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	13	0.36
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	13	0.36
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	13	0.36
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	13	0.36
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	13	0.36
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	13	0.36
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	13	0.36
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	13	0.36
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	13	0.36
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	13	0.36
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	8	0.36
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	8	0.36
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	9	0.36
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	9	0.36
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	12	0.36
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	12	0.36
(1,2431)	1:50:A:LEU:H	1:54:A:LEU:HB3	4	0.36
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	15	0.36
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	15	0.36
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	15	0.36
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	15	0.36
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	15	0.36
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	15	0.36
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	2	0.36
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	2	0.36
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	2	0.36
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	2	0.36
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	2	0.36
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	2	0.36
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	7	0.36
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	7	0.36
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	7	0.36
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	13	0.36
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	13	0.36
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	13	0.36
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	13	0.36
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	13	0.36
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	13	0.36
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	13	0.36
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	13	0.36
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	13	0.36
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	13	0.36
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	13	0.36
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	13	0.36
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	13	0.36
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	13	0.36
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	13	0.36
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	13	0.36
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	13	0.36
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	13	0.36
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	13	0.36
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	13	0.36
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	8	0.36
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	8	0.36
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	9	0.36
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	9	0.36
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	12	0.36
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	12	0.36
(1,2307)	1:50:A:LEU:H	1:54:A:LEU:HB3	4	0.36
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	15	0.36
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	15	0.36
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	15	0.36
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	15	0.36
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	15	0.36
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	15	0.36
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	2	0.36
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	2	0.36
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	2	0.36
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	2	0.36
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	2	0.36
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	2	0.36
(1,2229)	1:101:A:PRO:HD2	1:102:A:LEU:H	1	0.36
(1,2229)	1:101:A:PRO:HD3	1:102:A:LEU:H	1	0.36
(1,2229)	1:101:A:PRO:HD2	1:102:A:LEU:H	12	0.36
(1,2229)	1:101:A:PRO:HD3	1:102:A:LEU:H	12	0.36
(1,2226)	1:101:A:PRO:HD2	1:99:A:ASN:HB3	3	0.36
(1,2226)	1:101:A:PRO:HD3	1:99:A:ASN:HB3	3	0.36
(1,2226)	1:101:A:PRO:HD2	1:99:A:ASN:HB2	3	0.36
(1,2226)	1:101:A:PRO:HD3	1:99:A:ASN:HB2	3	0.36
(1,2216)	1:98:A:ALA:HA	1:100:A:ASP:H	14	0.36
(1,2177)	1:94:A:ARG:HA	1:97:A:VAL:HB	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2177)	1:94:A:ARG:HA	1:97:A:VAL:HB	6	0.36
(1,2177)	1:94:A:ARG:HA	1:97:A:VAL:HB	14	0.36
(1,2156)	1:92:A:MET:HB2	1:93:A:LYS:H	8	0.36
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE1	6	0.36
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE2	6	0.36
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE3	6	0.36
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB1	8	0.36
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB2	8	0.36
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB3	8	0.36
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB1	11	0.36
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB2	11	0.36
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB3	11	0.36
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB1	14	0.36
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB2	14	0.36
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB3	14	0.36
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB1	2	0.36
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB2	2	0.36
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB3	2	0.36
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB1	2	0.36
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB2	2	0.36
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB3	2	0.36
(1,2089)	1:83:A:ASP:HA	1:87:A:GLN:H	9	0.36
(1,2089)	1:83:A:ASP:HA	1:87:A:GLN:H	15	0.36
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG2	5	0.36
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG3	5	0.36
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD11	10	0.36
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD12	10	0.36
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD13	10	0.36
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD21	10	0.36
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD22	10	0.36
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD23	10	0.36
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD11	10	0.36
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD12	10	0.36
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD13	10	0.36
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD21	10	0.36
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD22	10	0.36
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD23	10	0.36
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB1	15	0.36
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB2	15	0.36
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB3	15	0.36
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB1	15	0.36
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB2	15	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB3	15	0.36
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB2	4	0.36
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB3	4	0.36
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB2	6	0.36
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB3	6	0.36
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB2	14	0.36
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB3	14	0.36
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG21	13	0.36
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG22	13	0.36
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG23	13	0.36
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG21	13	0.36
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG22	13	0.36
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG23	13	0.36
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG21	14	0.36
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG22	14	0.36
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG23	14	0.36
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG21	14	0.36
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG22	14	0.36
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG23	14	0.36
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB1	15	0.36
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB2	15	0.36
(1,1938)	1:66:A:VAL:HB	1:69:A:ALA:HB3	15	0.36
(1,1900)	1:63:A:LEU:HG	1:62:A:SER:HB3	4	0.36
(1,1879)	1:61:A:ASP:HB2	1:58:A:GLU:HA	3	0.36
(1,1879)	1:61:A:ASP:HB3	1:58:A:GLU:HA	3	0.36
(1,1879)	1:61:A:ASP:HB2	1:58:A:GLU:HA	14	0.36
(1,1879)	1:61:A:ASP:HB3	1:58:A:GLU:HA	14	0.36
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD11	5	0.36
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD12	5	0.36
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD13	5	0.36
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD21	5	0.36
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD22	5	0.36
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD23	5	0.36
(1,1839)	1:51:A:THR:HB	1:48:A:ASN:HA	6	0.36
(1,1823)	1:46:A:VAL:HA	1:48:A:ASN:H	7	0.36
(1,1822)	1:46:A:VAL:H	1:47:A:GLN:H	5	0.36
(1,1779)	1:40:A:ARG:H	1:41:A:SER:H	5	0.36
(1,1779)	1:40:A:ARG:H	1:41:A:SER:H	13	0.36
(1,1779)	1:40:A:ARG:H	1:41:A:SER:H	15	0.36
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB1	1	0.36
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB2	1	0.36
(1,1730)	1:29:A:VAL:H	1:28:A:ALA:HB3	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1668)	1:15:A:ILE:HA	1:18:A:VAL:H	4	0.36
(1,1668)	1:15:A:ILE:HA	1:18:A:VAL:H	10	0.36
(1,1668)	1:15:A:ILE:HA	1:18:A:VAL:H	14	0.36
(1,1665)	1:15:A:ILE:HB	1:16:A:GLY:H	4	0.36
(1,1665)	1:15:A:ILE:HB	1:16:A:GLY:H	8	0.36
(1,1665)	1:15:A:ILE:HB	1:16:A:GLY:H	10	0.36
(1,1665)	1:15:A:ILE:HB	1:16:A:GLY:H	11	0.36
(1,1665)	1:15:A:ILE:HB	1:16:A:GLY:H	14	0.36
(1,1658)	1:14:A:ILE:HB	1:15:A:ILE:H	7	0.36
(1,1597)	1:6:A:PHE:HA	1:9:A:LEU:HB2	2	0.36
(1,1597)	1:6:A:PHE:HA	1:9:A:LEU:HB2	10	0.36
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG21	1	0.36
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG22	1	0.36
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG23	1	0.36
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG21	2	0.36
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG22	2	0.36
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG23	2	0.36
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG21	4	0.36
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG22	4	0.36
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG23	4	0.36
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG21	9	0.36
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG22	9	0.36
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG23	9	0.36
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG21	14	0.36
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG22	14	0.36
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG23	14	0.36
(1,1566)	1:3:A:ASP:H	1:4:A:ILE:HB	11	0.36
(1,1560)	1:2:A:PHE:H	1:4:A:ILE:HG13	11	0.36
(1,1492)	1:82:A:MET:HB2	1:81:A:SER:H	14	0.36
(1,1492)	1:82:A:MET:HB3	1:81:A:SER:H	14	0.36
(1,1431)	1:56:A:LEU:H	1:54:A:LEU:H	10	0.36
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG21	3	0.36
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG22	3	0.36
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG23	3	0.36
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG21	3	0.36
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG22	3	0.36
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG23	3	0.36
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG21	12	0.36
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG22	12	0.36
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG23	12	0.36
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG21	12	0.36
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG22	12	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG23	12	0.36
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG21	14	0.36
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG22	14	0.36
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG23	14	0.36
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG21	14	0.36
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG22	14	0.36
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG23	14	0.36
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG2	6	0.36
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG3	6	0.36
(1,1387)	1:42:A:LEU:HD11	1:39:A:LEU:HA	11	0.36
(1,1387)	1:42:A:LEU:HD12	1:39:A:LEU:HA	11	0.36
(1,1387)	1:42:A:LEU:HD13	1:39:A:LEU:HA	11	0.36
(1,1387)	1:42:A:LEU:HD21	1:39:A:LEU:HA	11	0.36
(1,1387)	1:42:A:LEU:HD22	1:39:A:LEU:HA	11	0.36
(1,1387)	1:42:A:LEU:HD23	1:39:A:LEU:HA	11	0.36
(1,1321)	1:26:A:PRO:HB2	1:30:A:LYS:HG3	13	0.36
(1,1321)	1:26:A:PRO:HB3	1:30:A:LYS:HG3	13	0.36
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD11	13	0.36
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD12	13	0.36
(1,1263)	1:11:A:LEU:H	1:14:A:ILE:HD13	13	0.36
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG12	8	0.36
(1,1244)	1:2:A:PHE:HB3	1:4:A:ILE:HG12	8	0.36
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG13	8	0.36
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD11	3	0.36
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD12	3	0.36
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD13	3	0.36
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD21	3	0.36
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD22	3	0.36
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD23	3	0.36
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD11	3	0.36
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD12	3	0.36
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD13	3	0.36
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD21	3	0.36
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD22	3	0.36
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD23	3	0.36
(4,150)	1:68:A:LYS:O	1:72:A:THR:N	6	0.35
(4,144)	1:62:A:SER:O	1:66:A:VAL:N	9	0.35
(4,144)	1:62:A:SER:O	1:66:A:VAL:N	11	0.35
(4,144)	1:62:A:SER:O	1:66:A:VAL:N	12	0.35
(4,144)	1:62:A:SER:O	1:66:A:VAL:N	13	0.35
(4,141)	1:59:A:PHE:O	1:63:A:LEU:N	11	0.35
(4,135)	1:40:A:ARG:O	1:44:A:THR:N	3	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,135)	1:40:A:ARG:O	1:44:A:THR:N	4	0.35
(4,131)	1:36:A:ILE:O	1:40:A:ARG:N	11	0.35
(4,130)	1:35:A:TRP:O	1:39:A:LEU:N	11	0.35
(4,112)	1:7:A:SER:O	1:11:A:LEU:N	7	0.35
(4,112)	1:7:A:SER:O	1:11:A:LEU:N	15	0.35
(4,31)	1:31:A:THR:O	1:35:A:TRP:H	1	0.35
(4,31)	1:31:A:THR:O	1:35:A:TRP:H	2	0.35
(4,31)	1:31:A:THR:O	1:35:A:TRP:H	3	0.35
(4,31)	1:31:A:THR:O	1:35:A:TRP:H	6	0.35
(4,31)	1:31:A:THR:O	1:35:A:TRP:H	9	0.35
(4,31)	1:31:A:THR:O	1:35:A:TRP:H	10	0.35
(4,31)	1:31:A:THR:O	1:35:A:TRP:H	11	0.35
(2,265)	1:46:A:VAL:HB	1:50:A:LEU:HD11	10	0.35
(2,265)	1:46:A:VAL:HB	1:50:A:LEU:HD12	10	0.35
(2,265)	1:46:A:VAL:HB	1:50:A:LEU:HD13	10	0.35
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD11	14	0.35
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD12	14	0.35
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD13	14	0.35
(2,104)	1:98:A:ALA:H	1:96:A:TYR:HE1	12	0.35
(2,104)	1:98:A:ALA:H	1:96:A:TYR:HE2	12	0.35
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	5	0.35
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	5	0.35
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	5	0.35
(1,2805)	1:51:A:THR:HB	1:50:A:LEU:HD11	15	0.35
(1,2805)	1:51:A:THR:HB	1:50:A:LEU:HD12	15	0.35
(1,2805)	1:51:A:THR:HB	1:50:A:LEU:HD13	15	0.35
(1,2805)	1:51:A:THR:HB	1:50:A:LEU:HD21	15	0.35
(1,2805)	1:51:A:THR:HB	1:50:A:LEU:HD22	15	0.35
(1,2805)	1:51:A:THR:HB	1:50:A:LEU:HD23	15	0.35
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	2	0.35
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	2	0.35
(1,2803)	1:50:A:LEU:H	1:54:A:LEU:HB3	3	0.35
(1,2803)	1:50:A:LEU:H	1:54:A:LEU:HB3	12	0.35
(1,2783)	1:48:A:ASN:HB2	1:45:A:THR:HG21	9	0.35
(1,2783)	1:48:A:ASN:HB2	1:45:A:THR:HG22	9	0.35
(1,2783)	1:48:A:ASN:HB2	1:45:A:THR:HG23	9	0.35
(1,2783)	1:48:A:ASN:HB3	1:45:A:THR:HG21	9	0.35
(1,2783)	1:48:A:ASN:HB3	1:45:A:THR:HG22	9	0.35
(1,2783)	1:48:A:ASN:HB3	1:45:A:THR:HG23	9	0.35
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD21	12	0.35
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD22	12	0.35
(1,2759)	1:21:A:GLY:H	1:25:A:LEU:HD23	12	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	14	0.35
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	14	0.35
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	14	0.35
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	14	0.35
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	14	0.35
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	14	0.35
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	5	0.35
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	5	0.35
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	5	0.35
(1,2681)	1:51:A:THR:HB	1:50:A:LEU:HD11	15	0.35
(1,2681)	1:51:A:THR:HB	1:50:A:LEU:HD12	15	0.35
(1,2681)	1:51:A:THR:HB	1:50:A:LEU:HD13	15	0.35
(1,2681)	1:51:A:THR:HB	1:50:A:LEU:HD21	15	0.35
(1,2681)	1:51:A:THR:HB	1:50:A:LEU:HD22	15	0.35
(1,2681)	1:51:A:THR:HB	1:50:A:LEU:HD23	15	0.35
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	2	0.35
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	2	0.35
(1,2679)	1:50:A:LEU:H	1:54:A:LEU:HB3	3	0.35
(1,2679)	1:50:A:LEU:H	1:54:A:LEU:HB3	12	0.35
(1,2659)	1:48:A:ASN:HB2	1:45:A:THR:HG21	9	0.35
(1,2659)	1:48:A:ASN:HB2	1:45:A:THR:HG22	9	0.35
(1,2659)	1:48:A:ASN:HB2	1:45:A:THR:HG23	9	0.35
(1,2659)	1:48:A:ASN:HB3	1:45:A:THR:HG21	9	0.35
(1,2659)	1:48:A:ASN:HB3	1:45:A:THR:HG22	9	0.35
(1,2659)	1:48:A:ASN:HB3	1:45:A:THR:HG23	9	0.35
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD21	12	0.35
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD22	12	0.35
(1,2635)	1:21:A:GLY:H	1:25:A:LEU:HD23	12	0.35
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	14	0.35
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	14	0.35
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	14	0.35
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	14	0.35
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	14	0.35
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	14	0.35
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	5	0.35
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	5	0.35
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	5	0.35
(1,2557)	1:51:A:THR:HB	1:50:A:LEU:HD11	15	0.35
(1,2557)	1:51:A:THR:HB	1:50:A:LEU:HD12	15	0.35
(1,2557)	1:51:A:THR:HB	1:50:A:LEU:HD13	15	0.35
(1,2557)	1:51:A:THR:HB	1:50:A:LEU:HD21	15	0.35
(1,2557)	1:51:A:THR:HB	1:50:A:LEU:HD22	15	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2557)	1:51:A:THR:HB	1:50:A:LEU:HD23	15	0.35
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	2	0.35
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	2	0.35
(1,2555)	1:50:A:LEU:H	1:54:A:LEU:HB3	3	0.35
(1,2555)	1:50:A:LEU:H	1:54:A:LEU:HB3	12	0.35
(1,2535)	1:48:A:ASN:HB2	1:45:A:THR:HG21	9	0.35
(1,2535)	1:48:A:ASN:HB2	1:45:A:THR:HG22	9	0.35
(1,2535)	1:48:A:ASN:HB2	1:45:A:THR:HG23	9	0.35
(1,2535)	1:48:A:ASN:HB3	1:45:A:THR:HG21	9	0.35
(1,2535)	1:48:A:ASN:HB3	1:45:A:THR:HG22	9	0.35
(1,2535)	1:48:A:ASN:HB3	1:45:A:THR:HG23	9	0.35
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD21	12	0.35
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD22	12	0.35
(1,2511)	1:21:A:GLY:H	1:25:A:LEU:HD23	12	0.35
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	14	0.35
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	14	0.35
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	14	0.35
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	14	0.35
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	14	0.35
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	14	0.35
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	5	0.35
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	5	0.35
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	5	0.35
(1,2433)	1:51:A:THR:HB	1:50:A:LEU:HD11	15	0.35
(1,2433)	1:51:A:THR:HB	1:50:A:LEU:HD12	15	0.35
(1,2433)	1:51:A:THR:HB	1:50:A:LEU:HD13	15	0.35
(1,2433)	1:51:A:THR:HB	1:50:A:LEU:HD21	15	0.35
(1,2433)	1:51:A:THR:HB	1:50:A:LEU:HD22	15	0.35
(1,2433)	1:51:A:THR:HB	1:50:A:LEU:HD23	15	0.35
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	2	0.35
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	2	0.35
(1,2431)	1:50:A:LEU:H	1:54:A:LEU:HB3	3	0.35
(1,2431)	1:50:A:LEU:H	1:54:A:LEU:HB3	12	0.35
(1,2411)	1:48:A:ASN:HB2	1:45:A:THR:HG21	9	0.35
(1,2411)	1:48:A:ASN:HB2	1:45:A:THR:HG22	9	0.35
(1,2411)	1:48:A:ASN:HB2	1:45:A:THR:HG23	9	0.35
(1,2411)	1:48:A:ASN:HB3	1:45:A:THR:HG21	9	0.35
(1,2411)	1:48:A:ASN:HB3	1:45:A:THR:HG22	9	0.35
(1,2411)	1:48:A:ASN:HB3	1:45:A:THR:HG23	9	0.35
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD21	12	0.35
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD22	12	0.35
(1,2387)	1:21:A:GLY:H	1:25:A:LEU:HD23	12	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	14	0.35
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	14	0.35
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	14	0.35
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	14	0.35
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	14	0.35
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	14	0.35
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	5	0.35
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	5	0.35
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	5	0.35
(1,2309)	1:51:A:THR:HB	1:50:A:LEU:HD11	15	0.35
(1,2309)	1:51:A:THR:HB	1:50:A:LEU:HD12	15	0.35
(1,2309)	1:51:A:THR:HB	1:50:A:LEU:HD13	15	0.35
(1,2309)	1:51:A:THR:HB	1:50:A:LEU:HD21	15	0.35
(1,2309)	1:51:A:THR:HB	1:50:A:LEU:HD22	15	0.35
(1,2309)	1:51:A:THR:HB	1:50:A:LEU:HD23	15	0.35
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	2	0.35
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	2	0.35
(1,2307)	1:50:A:LEU:H	1:54:A:LEU:HB3	3	0.35
(1,2307)	1:50:A:LEU:H	1:54:A:LEU:HB3	12	0.35
(1,2287)	1:48:A:ASN:HB2	1:45:A:THR:HG21	9	0.35
(1,2287)	1:48:A:ASN:HB2	1:45:A:THR:HG22	9	0.35
(1,2287)	1:48:A:ASN:HB2	1:45:A:THR:HG23	9	0.35
(1,2287)	1:48:A:ASN:HB3	1:45:A:THR:HG21	9	0.35
(1,2287)	1:48:A:ASN:HB3	1:45:A:THR:HG22	9	0.35
(1,2287)	1:48:A:ASN:HB3	1:45:A:THR:HG23	9	0.35
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD21	12	0.35
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD22	12	0.35
(1,2263)	1:21:A:GLY:H	1:25:A:LEU:HD23	12	0.35
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	14	0.35
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	14	0.35
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	14	0.35
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	14	0.35
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	14	0.35
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	14	0.35
(1,2231)	1:101:A:PRO:HG2	1:102:A:LEU:HG	11	0.35
(1,2227)	1:101:A:PRO:HG2	1:100:A:ASP:HA	3	0.35
(1,2227)	1:101:A:PRO:HG3	1:100:A:ASP:HA	3	0.35
(1,2222)	1:99:A:ASN:HB3	1:100:A:ASP:H	14	0.35
(1,2222)	1:99:A:ASN:HB2	1:100:A:ASP:H	14	0.35
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB1	5	0.35
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB2	5	0.35
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB3	5	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2173)	1:94:A:ARG:HG2	1:95:A:SER:H	15	0.35
(1,2156)	1:92:A:MET:HB2	1:93:A:LYS:H	9	0.35
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB1	11	0.35
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB2	11	0.35
(1,2090)	1:84:A:GLU:HG3	1:80:A:ALA:HB3	11	0.35
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB1	11	0.35
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB2	11	0.35
(1,2090)	1:84:A:GLU:HG2	1:80:A:ALA:HB3	11	0.35
(1,2089)	1:83:A:ASP:HA	1:87:A:GLN:H	6	0.35
(1,2076)	1:83:A:ASP:H	1:79:A:LYS:HA	6	0.35
(1,2031)	1:77:A:GLU:HA	1:80:A:ALA:H	13	0.35
(1,2021)	1:76:A:PRO:HA	1:80:A:ALA:H	4	0.35
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD11	1	0.35
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD12	1	0.35
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD13	1	0.35
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD21	1	0.35
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD22	1	0.35
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD23	1	0.35
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD11	1	0.35
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD12	1	0.35
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD13	1	0.35
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD21	1	0.35
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD22	1	0.35
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD23	1	0.35
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD11	2	0.35
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD12	2	0.35
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD13	2	0.35
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD21	2	0.35
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD22	2	0.35
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD23	2	0.35
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD11	2	0.35
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD12	2	0.35
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD13	2	0.35
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD21	2	0.35
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD22	2	0.35
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD23	2	0.35
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD11	11	0.35
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD12	11	0.35
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD13	11	0.35
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD21	11	0.35
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD22	11	0.35
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD23	11	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD11	11	0.35
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD12	11	0.35
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD13	11	0.35
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD21	11	0.35
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD22	11	0.35
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD23	11	0.35
(1,1996)	1:73:A:ASN:HB2	1:74:A:LEU:HA	4	0.35
(1,1996)	1:73:A:ASN:HB3	1:74:A:LEU:HA	4	0.35
(1,1996)	1:73:A:ASN:HB2	1:74:A:LEU:HA	6	0.35
(1,1996)	1:73:A:ASN:HB3	1:74:A:LEU:HA	6	0.35
(1,1996)	1:73:A:ASN:HB2	1:74:A:LEU:HA	8	0.35
(1,1996)	1:73:A:ASN:HB3	1:74:A:LEU:HA	8	0.35
(1,1996)	1:73:A:ASN:HB2	1:74:A:LEU:HA	14	0.35
(1,1996)	1:73:A:ASN:HB3	1:74:A:LEU:HA	14	0.35
(1,1941)	1:67:A:GLU:H	1:63:A:LEU:HA	11	0.35
(1,1909)	1:64:A:LYS:H	1:62:A:SER:HA	1	0.35
(1,1909)	1:64:A:LYS:H	1:62:A:SER:HA	8	0.35
(1,1909)	1:64:A:LYS:H	1:62:A:SER:HA	11	0.35
(1,1900)	1:63:A:LEU:HG	1:62:A:SER:HB3	3	0.35
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB2	5	0.35
(1,1841)	1:51:A:THR:H	1:50:A:LEU:HB3	5	0.35
(1,1822)	1:46:A:VAL:H	1:47:A:GLN:H	2	0.35
(1,1822)	1:46:A:VAL:H	1:47:A:GLN:H	14	0.35
(1,1671)	1:15:A:ILE:HA	1:19:A:VAL:H	5	0.35
(1,1671)	1:15:A:ILE:HA	1:19:A:VAL:H	6	0.35
(1,1663)	1:15:A:ILE:HB	1:12:A:VAL:HA	9	0.35
(1,1626)	1:11:A:LEU:H	1:10:A:LEU:H	3	0.35
(1,1626)	1:11:A:LEU:H	1:10:A:LEU:H	15	0.35
(1,1599)	1:6:A:PHE:HB3	1:9:A:LEU:HB2	1	0.35
(1,1599)	1:6:A:PHE:HB2	1:9:A:LEU:HB2	1	0.35
(1,1599)	1:6:A:PHE:HB3	1:9:A:LEU:HB2	4	0.35
(1,1599)	1:6:A:PHE:HB2	1:9:A:LEU:HB2	4	0.35
(1,1599)	1:6:A:PHE:HB3	1:9:A:LEU:HB2	14	0.35
(1,1599)	1:6:A:PHE:HB2	1:9:A:LEU:HB2	14	0.35
(1,1597)	1:6:A:PHE:HA	1:9:A:LEU:HB2	9	0.35
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG21	5	0.35
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG22	5	0.35
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG23	5	0.35
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG21	6	0.35
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG22	6	0.35
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG23	6	0.35
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG21	8	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG22	8	0.35
(1,1378)	1:40:A:ARG:HD2	1:36:A:ILE:HG23	8	0.35
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG21	5	0.35
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG22	5	0.35
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG23	5	0.35
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG21	5	0.35
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG22	5	0.35
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG23	5	0.35
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG21	5	0.35
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG22	5	0.35
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG23	5	0.35
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG12	1	0.35
(1,1244)	1:2:A:PHE:HB3	1:4:A:ILE:HG12	1	0.35
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG13	1	0.35
(1,904)	1:74:A:LEU:H	1:70:A:SER:HA	6	0.35
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG21	14	0.35
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG22	14	0.35
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG23	14	0.35
(4,146)	1:64:A:LYS:O	1:68:A:LYS:N	15	0.34
(4,144)	1:62:A:SER:O	1:66:A:VAL:N	1	0.34
(4,140)	1:58:A:GLU:O	1:62:A:SER:N	11	0.34
(4,135)	1:40:A:ARG:O	1:44:A:THR:N	1	0.34
(4,135)	1:40:A:ARG:O	1:44:A:THR:N	7	0.34
(4,135)	1:40:A:ARG:O	1:44:A:THR:N	12	0.34
(4,135)	1:40:A:ARG:O	1:44:A:THR:N	13	0.34
(4,135)	1:40:A:ARG:O	1:44:A:THR:N	14	0.34
(4,124)	1:29:A:VAL:O	1:33:A:ALA:N	1	0.34
(4,112)	1:7:A:SER:O	1:11:A:LEU:N	8	0.34
(4,112)	1:7:A:SER:O	1:11:A:LEU:N	12	0.34
(4,31)	1:31:A:THR:O	1:35:A:TRP:H	12	0.34
(4,31)	1:31:A:THR:O	1:35:A:TRP:H	13	0.34
(2,608)	1:56:A:LEU:HB3	1:51:A:THR:H	2	0.34
(2,533)	1:56:A:LEU:HB3	1:51:A:THR:H	2	0.34
(2,458)	1:56:A:LEU:HB3	1:51:A:THR:H	2	0.34
(2,383)	1:56:A:LEU:HB3	1:51:A:THR:H	2	0.34
(2,308)	1:56:A:LEU:HB3	1:51:A:THR:H	2	0.34
(2,230)	1:101:A:PRO:HD2	1:98:A:ALA:HB1	3	0.34
(2,230)	1:101:A:PRO:HD2	1:98:A:ALA:HB2	3	0.34
(2,230)	1:101:A:PRO:HD2	1:98:A:ALA:HB3	3	0.34
(2,230)	1:101:A:PRO:HD3	1:98:A:ALA:HB1	3	0.34
(2,230)	1:101:A:PRO:HD3	1:98:A:ALA:HB2	3	0.34
(2,230)	1:101:A:PRO:HD3	1:98:A:ALA:HB3	3	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,104)	1:98:A:ALA:H	1:96:A:TYR:HE1	13	0.34
(2,104)	1:98:A:ALA:H	1:96:A:TYR:HE2	13	0.34
(2,104)	1:98:A:ALA:H	1:96:A:TYR:HE1	15	0.34
(2,104)	1:98:A:ALA:H	1:96:A:TYR:HE2	15	0.34
(2,70)	1:58:A:GLU:H	1:55:A:LYS:HD2	2	0.34
(2,70)	1:58:A:GLU:H	1:55:A:LYS:HD3	2	0.34
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	1	0.34
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	1	0.34
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	1	0.34
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	12	0.34
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	12	0.34
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	12	0.34
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD11	15	0.34
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD12	15	0.34
(1,2836)	1:59:A:PHE:H	1:56:A:LEU:HD13	15	0.34
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD11	8	0.34
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD12	8	0.34
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD13	8	0.34
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD21	8	0.34
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD22	8	0.34
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD23	8	0.34
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD11	15	0.34
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD12	15	0.34
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD13	15	0.34
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD21	15	0.34
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD22	15	0.34
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD23	15	0.34
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	10	0.34
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	10	0.34
(1,2801)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	11	0.34
(1,2801)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	11	0.34
(1,2801)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	11	0.34
(1,2776)	1:45:A:THR:HA	1:48:A:ASN:HD22	1	0.34
(1,2776)	1:45:A:THR:HA	1:48:A:ASN:HD21	1	0.34
(1,2776)	1:45:A:THR:HA	1:48:A:ASN:HD22	4	0.34
(1,2776)	1:45:A:THR:HA	1:48:A:ASN:HD21	4	0.34
(1,2776)	1:45:A:THR:HA	1:48:A:ASN:HD22	6	0.34
(1,2776)	1:45:A:THR:HA	1:48:A:ASN:HD21	6	0.34
(1,2776)	1:45:A:THR:HA	1:48:A:ASN:HD22	7	0.34
(1,2776)	1:45:A:THR:HA	1:48:A:ASN:HD21	7	0.34
(1,2776)	1:45:A:THR:HA	1:48:A:ASN:HD22	12	0.34
(1,2776)	1:45:A:THR:HA	1:48:A:ASN:HD21	12	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2776)	1:45:A:THR:HA	1:48:A:ASN:HD22	13	0.34
(1,2776)	1:45:A:THR:HA	1:48:A:ASN:HD21	13	0.34
(1,2776)	1:45:A:THR:HA	1:48:A:ASN:HD22	14	0.34
(1,2776)	1:45:A:THR:HA	1:48:A:ASN:HD21	14	0.34
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	4	0.34
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	4	0.34
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	4	0.34
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	4	0.34
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	4	0.34
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	4	0.34
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	1	0.34
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	1	0.34
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	1	0.34
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	12	0.34
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	12	0.34
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	12	0.34
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD11	15	0.34
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD12	15	0.34
(1,2712)	1:59:A:PHE:H	1:56:A:LEU:HD13	15	0.34
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD11	8	0.34
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD12	8	0.34
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD13	8	0.34
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD21	8	0.34
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD22	8	0.34
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD23	8	0.34
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD11	15	0.34
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD12	15	0.34
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD13	15	0.34
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD21	15	0.34
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD22	15	0.34
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD23	15	0.34
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	10	0.34
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	10	0.34
(1,2677)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	11	0.34
(1,2677)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	11	0.34
(1,2677)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	11	0.34
(1,2652)	1:45:A:THR:HA	1:48:A:ASN:HD22	1	0.34
(1,2652)	1:45:A:THR:HA	1:48:A:ASN:HD21	1	0.34
(1,2652)	1:45:A:THR:HA	1:48:A:ASN:HD22	4	0.34
(1,2652)	1:45:A:THR:HA	1:48:A:ASN:HD21	4	0.34
(1,2652)	1:45:A:THR:HA	1:48:A:ASN:HD22	6	0.34
(1,2652)	1:45:A:THR:HA	1:48:A:ASN:HD21	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2652)	1:45:A:THR:HA	1:48:A:ASN:HD22	7	0.34
(1,2652)	1:45:A:THR:HA	1:48:A:ASN:HD21	7	0.34
(1,2652)	1:45:A:THR:HA	1:48:A:ASN:HD22	12	0.34
(1,2652)	1:45:A:THR:HA	1:48:A:ASN:HD21	12	0.34
(1,2652)	1:45:A:THR:HA	1:48:A:ASN:HD22	13	0.34
(1,2652)	1:45:A:THR:HA	1:48:A:ASN:HD21	13	0.34
(1,2652)	1:45:A:THR:HA	1:48:A:ASN:HD22	14	0.34
(1,2652)	1:45:A:THR:HA	1:48:A:ASN:HD21	14	0.34
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	4	0.34
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	4	0.34
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	4	0.34
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	4	0.34
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	4	0.34
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	4	0.34
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	1	0.34
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	1	0.34
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	1	0.34
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	12	0.34
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	12	0.34
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	12	0.34
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD11	15	0.34
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD12	15	0.34
(1,2588)	1:59:A:PHE:H	1:56:A:LEU:HD13	15	0.34
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD11	8	0.34
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD12	8	0.34
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD13	8	0.34
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD21	8	0.34
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD22	8	0.34
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD23	8	0.34
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD11	15	0.34
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD12	15	0.34
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD13	15	0.34
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD21	15	0.34
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD22	15	0.34
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD23	15	0.34
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	10	0.34
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	10	0.34
(1,2553)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	11	0.34
(1,2553)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	11	0.34
(1,2553)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	11	0.34
(1,2528)	1:45:A:THR:HA	1:48:A:ASN:HD22	1	0.34
(1,2528)	1:45:A:THR:HA	1:48:A:ASN:HD21	1	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2528)	1:45:A:THR:HA	1:48:A:ASN:HD22	4	0.34
(1,2528)	1:45:A:THR:HA	1:48:A:ASN:HD21	4	0.34
(1,2528)	1:45:A:THR:HA	1:48:A:ASN:HD22	6	0.34
(1,2528)	1:45:A:THR:HA	1:48:A:ASN:HD21	6	0.34
(1,2528)	1:45:A:THR:HA	1:48:A:ASN:HD22	7	0.34
(1,2528)	1:45:A:THR:HA	1:48:A:ASN:HD21	7	0.34
(1,2528)	1:45:A:THR:HA	1:48:A:ASN:HD22	12	0.34
(1,2528)	1:45:A:THR:HA	1:48:A:ASN:HD21	12	0.34
(1,2528)	1:45:A:THR:HA	1:48:A:ASN:HD22	13	0.34
(1,2528)	1:45:A:THR:HA	1:48:A:ASN:HD21	13	0.34
(1,2528)	1:45:A:THR:HA	1:48:A:ASN:HD22	14	0.34
(1,2528)	1:45:A:THR:HA	1:48:A:ASN:HD21	14	0.34
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	4	0.34
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	4	0.34
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	4	0.34
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	4	0.34
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	4	0.34
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	4	0.34
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	1	0.34
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	1	0.34
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	1	0.34
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	12	0.34
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	12	0.34
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	12	0.34
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD11	15	0.34
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD12	15	0.34
(1,2464)	1:59:A:PHE:H	1:56:A:LEU:HD13	15	0.34
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD11	8	0.34
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD12	8	0.34
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD13	8	0.34
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD21	8	0.34
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD22	8	0.34
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD23	8	0.34
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD11	15	0.34
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD12	15	0.34
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD13	15	0.34
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD21	15	0.34
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD22	15	0.34
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD23	15	0.34
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	10	0.34
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	10	0.34
(1,2429)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	11	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2429)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	11	0.34
(1,2429)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	11	0.34
(1,2404)	1:45:A:THR:HA	1:48:A:ASN:HD22	1	0.34
(1,2404)	1:45:A:THR:HA	1:48:A:ASN:HD21	1	0.34
(1,2404)	1:45:A:THR:HA	1:48:A:ASN:HD22	4	0.34
(1,2404)	1:45:A:THR:HA	1:48:A:ASN:HD21	4	0.34
(1,2404)	1:45:A:THR:HA	1:48:A:ASN:HD22	6	0.34
(1,2404)	1:45:A:THR:HA	1:48:A:ASN:HD21	6	0.34
(1,2404)	1:45:A:THR:HA	1:48:A:ASN:HD22	7	0.34
(1,2404)	1:45:A:THR:HA	1:48:A:ASN:HD21	7	0.34
(1,2404)	1:45:A:THR:HA	1:48:A:ASN:HD22	12	0.34
(1,2404)	1:45:A:THR:HA	1:48:A:ASN:HD21	12	0.34
(1,2404)	1:45:A:THR:HA	1:48:A:ASN:HD22	13	0.34
(1,2404)	1:45:A:THR:HA	1:48:A:ASN:HD21	13	0.34
(1,2404)	1:45:A:THR:HA	1:48:A:ASN:HD22	14	0.34
(1,2404)	1:45:A:THR:HA	1:48:A:ASN:HD21	14	0.34
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	4	0.34
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	4	0.34
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	4	0.34
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	4	0.34
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	4	0.34
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	4	0.34
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	1	0.34
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	1	0.34
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	1	0.34
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	12	0.34
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	12	0.34
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	12	0.34
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD11	15	0.34
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD12	15	0.34
(1,2340)	1:59:A:PHE:H	1:56:A:LEU:HD13	15	0.34
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD11	8	0.34
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD12	8	0.34
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD13	8	0.34
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD21	8	0.34
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD22	8	0.34
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD23	8	0.34
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD11	15	0.34
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD12	15	0.34
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD13	15	0.34
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD21	15	0.34
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD22	15	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD23	15	0.34
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	10	0.34
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	10	0.34
(1,2305)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	11	0.34
(1,2305)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	11	0.34
(1,2305)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	11	0.34
(1,2280)	1:45:A:THR:HA	1:48:A:ASN:HD22	1	0.34
(1,2280)	1:45:A:THR:HA	1:48:A:ASN:HD21	1	0.34
(1,2280)	1:45:A:THR:HA	1:48:A:ASN:HD22	4	0.34
(1,2280)	1:45:A:THR:HA	1:48:A:ASN:HD21	4	0.34
(1,2280)	1:45:A:THR:HA	1:48:A:ASN:HD22	6	0.34
(1,2280)	1:45:A:THR:HA	1:48:A:ASN:HD21	6	0.34
(1,2280)	1:45:A:THR:HA	1:48:A:ASN:HD22	7	0.34
(1,2280)	1:45:A:THR:HA	1:48:A:ASN:HD21	7	0.34
(1,2280)	1:45:A:THR:HA	1:48:A:ASN:HD22	12	0.34
(1,2280)	1:45:A:THR:HA	1:48:A:ASN:HD21	12	0.34
(1,2280)	1:45:A:THR:HA	1:48:A:ASN:HD22	13	0.34
(1,2280)	1:45:A:THR:HA	1:48:A:ASN:HD21	13	0.34
(1,2280)	1:45:A:THR:HA	1:48:A:ASN:HD22	14	0.34
(1,2280)	1:45:A:THR:HA	1:48:A:ASN:HD21	14	0.34
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	4	0.34
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	4	0.34
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	4	0.34
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	4	0.34
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	4	0.34
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	4	0.34
(1,2231)	1:101:A:PRO:HG2	1:102:A:LEU:HG	14	0.34
(1,2212)	1:98:A:ALA:HA	1:97:A:VAL:HB	14	0.34
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB1	4	0.34
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB2	4	0.34
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB3	4	0.34
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB1	8	0.34
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB2	8	0.34
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB3	8	0.34
(1,2188)	1:96:A:TYR:HB3	1:97:A:VAL:HA	9	0.34
(1,2188)	1:96:A:TYR:HB2	1:97:A:VAL:HA	9	0.34
(1,2141)	1:89:A:ALA:HA	1:92:A:MET:HG2	6	0.34
(1,2141)	1:89:A:ALA:HA	1:92:A:MET:HG3	6	0.34
(1,2141)	1:89:A:ALA:HA	1:92:A:MET:HG2	14	0.34
(1,2141)	1:89:A:ALA:HA	1:92:A:MET:HG3	14	0.34
(1,2089)	1:83:A:ASP:HA	1:87:A:GLN:H	13	0.34
(1,2076)	1:83:A:ASP:H	1:79:A:LYS:HA	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB2	2	0.34
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB3	2	0.34
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB2	5	0.34
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB3	5	0.34
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB2	11	0.34
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB3	11	0.34
(1,2031)	1:77:A:GLU:HA	1:80:A:ALA:H	9	0.34
(1,2021)	1:76:A:PRO:HA	1:80:A:ALA:H	15	0.34
(1,2019)	1:76:A:PRO:HA	1:79:A:LYS:HG2	1	0.34
(1,2019)	1:76:A:PRO:HA	1:79:A:LYS:HG3	1	0.34
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG2	15	0.34
(1,2011)	1:75:A:THR:H	1:79:A:LYS:HG3	15	0.34
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD21	8	0.34
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD22	8	0.34
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD23	8	0.34
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD11	12	0.34
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD12	12	0.34
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD13	12	0.34
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD21	12	0.34
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD22	12	0.34
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD23	12	0.34
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD11	12	0.34
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD12	12	0.34
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD13	12	0.34
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD21	12	0.34
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD22	12	0.34
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD23	12	0.34
(1,1958)	1:69:A:ALA:H	1:65:A:LYS:HE2	14	0.34
(1,1958)	1:69:A:ALA:H	1:65:A:LYS:HE3	14	0.34
(1,1941)	1:67:A:GLU:H	1:63:A:LEU:HA	8	0.34
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD2	14	0.34
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD3	14	0.34
(1,1909)	1:64:A:LYS:H	1:62:A:SER:HA	13	0.34
(1,1897)	1:63:A:LEU:HG	1:60:A:GLN:HA	12	0.34
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG21	11	0.34
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG22	11	0.34
(1,1852)	1:52:A:GLN:HE21	1:51:A:THR:HG23	11	0.34
(1,1848)	1:52:A:GLN:HA	1:51:A:THR:HG21	10	0.34
(1,1848)	1:52:A:GLN:HA	1:51:A:THR:HG22	10	0.34
(1,1848)	1:52:A:GLN:HA	1:51:A:THR:HG23	10	0.34
(1,1822)	1:46:A:VAL:H	1:47:A:GLN:H	4	0.34
(1,1790)	1:42:A:LEU:HD11	1:45:A:THR:HB	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1790)	1:42:A:LEU:HD12	1:45:A:THR:HB	6	0.34
(1,1790)	1:42:A:LEU:HD13	1:45:A:THR:HB	6	0.34
(1,1790)	1:42:A:LEU:HD21	1:45:A:THR:HB	6	0.34
(1,1790)	1:42:A:LEU:HD22	1:45:A:THR:HB	6	0.34
(1,1790)	1:42:A:LEU:HD23	1:45:A:THR:HB	6	0.34
(1,1787)	1:42:A:LEU:HD11	1:43:A:ALA:H	13	0.34
(1,1787)	1:42:A:LEU:HD12	1:43:A:ALA:H	13	0.34
(1,1787)	1:42:A:LEU:HD13	1:43:A:ALA:H	13	0.34
(1,1787)	1:42:A:LEU:HD21	1:43:A:ALA:H	13	0.34
(1,1787)	1:42:A:LEU:HD22	1:43:A:ALA:H	13	0.34
(1,1787)	1:42:A:LEU:HD23	1:43:A:ALA:H	13	0.34
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG21	11	0.34
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG22	11	0.34
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG23	11	0.34
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG21	11	0.34
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG22	11	0.34
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG23	11	0.34
(1,1779)	1:40:A:ARG:H	1:41:A:SER:H	12	0.34
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG21	2	0.34
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG22	2	0.34
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG23	2	0.34
(1,1671)	1:15:A:ILE:HA	1:19:A:VAL:H	4	0.34
(1,1671)	1:15:A:ILE:HA	1:19:A:VAL:H	10	0.34
(1,1671)	1:15:A:ILE:HA	1:19:A:VAL:H	14	0.34
(1,1668)	1:15:A:ILE:HA	1:18:A:VAL:H	1	0.34
(1,1668)	1:15:A:ILE:HA	1:18:A:VAL:H	3	0.34
(1,1668)	1:15:A:ILE:HA	1:18:A:VAL:H	7	0.34
(1,1668)	1:15:A:ILE:HA	1:18:A:VAL:H	8	0.34
(1,1668)	1:15:A:ILE:HA	1:18:A:VAL:H	15	0.34
(1,1658)	1:14:A:ILE:HB	1:15:A:ILE:H	3	0.34
(1,1643)	1:13:A:PHE:HB2	1:14:A:ILE:HB	11	0.34
(1,1643)	1:13:A:PHE:HB3	1:14:A:ILE:HB	11	0.34
(1,1626)	1:11:A:LEU:H	1:10:A:LEU:H	8	0.34
(1,1597)	1:6:A:PHE:HA	1:9:A:LEU:HB2	4	0.34
(1,1597)	1:6:A:PHE:HA	1:9:A:LEU:HB2	14	0.34
(1,1566)	1:3:A:ASP:H	1:4:A:ILE:HB	15	0.34
(1,1563)	1:3:A:ASP:HB3	1:3:A:ASP:HA	15	0.34
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG21	4	0.34
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG22	4	0.34
(1,1530)	1:96:A:TYR:HD1	1:97:A:VAL:HG23	4	0.34
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG21	4	0.34
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG22	4	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:96:A:TYR:HD2	1:97:A:VAL:HG23	4	0.34
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG21	11	0.34
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG22	11	0.34
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG23	11	0.34
(1,1387)	1:42:A:LEU:HD11	1:39:A:LEU:HA	15	0.34
(1,1387)	1:42:A:LEU:HD12	1:39:A:LEU:HA	15	0.34
(1,1387)	1:42:A:LEU:HD13	1:39:A:LEU:HA	15	0.34
(1,1387)	1:42:A:LEU:HD21	1:39:A:LEU:HA	15	0.34
(1,1387)	1:42:A:LEU:HD22	1:39:A:LEU:HA	15	0.34
(1,1387)	1:42:A:LEU:HD23	1:39:A:LEU:HA	15	0.34
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG21	8	0.34
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG22	8	0.34
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG23	8	0.34
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG21	8	0.34
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG22	8	0.34
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG23	8	0.34
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG21	8	0.34
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG22	8	0.34
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG23	8	0.34
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG21	13	0.34
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG22	13	0.34
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG23	13	0.34
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG21	13	0.34
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG22	13	0.34
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG23	13	0.34
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG21	13	0.34
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG22	13	0.34
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG23	13	0.34
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG21	15	0.34
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG22	15	0.34
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG23	15	0.34
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG21	15	0.34
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG22	15	0.34
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG23	15	0.34
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG21	15	0.34
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG22	15	0.34
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG23	15	0.34
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG11	5	0.34
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG12	5	0.34
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG13	5	0.34
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG21	5	0.34
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG22	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG23	5	0.34
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG12	3	0.34
(1,1244)	1:2:A:PHE:HB3	1:4:A:ILE:HG12	3	0.34
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG13	3	0.34
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG12	9	0.34
(1,1244)	1:2:A:PHE:HB3	1:4:A:ILE:HG12	9	0.34
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG13	9	0.34
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG12	14	0.34
(1,1244)	1:2:A:PHE:HB3	1:4:A:ILE:HG12	14	0.34
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG13	14	0.34
(1,930)	1:42:A:LEU:HD11	1:45:A:THR:H	9	0.34
(1,930)	1:42:A:LEU:HD12	1:45:A:THR:H	9	0.34
(1,930)	1:42:A:LEU:HD13	1:45:A:THR:H	9	0.34
(1,930)	1:42:A:LEU:HD21	1:45:A:THR:H	9	0.34
(1,930)	1:42:A:LEU:HD22	1:45:A:THR:H	9	0.34
(1,930)	1:42:A:LEU:HD23	1:45:A:THR:H	9	0.34
(1,930)	1:42:A:LEU:HD11	1:45:A:THR:H	11	0.34
(1,930)	1:42:A:LEU:HD12	1:45:A:THR:H	11	0.34
(1,930)	1:42:A:LEU:HD13	1:45:A:THR:H	11	0.34
(1,930)	1:42:A:LEU:HD21	1:45:A:THR:H	11	0.34
(1,930)	1:42:A:LEU:HD22	1:45:A:THR:H	11	0.34
(1,930)	1:42:A:LEU:HD23	1:45:A:THR:H	11	0.34
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG21	6	0.34
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG22	6	0.34
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG23	6	0.34
(1,455)	1:43:A:ALA:HA	1:46:A:VAL:HB	8	0.34
(4,162)	1:88:A:ALA:O	1:92:A:MET:N	3	0.33
(4,162)	1:88:A:ALA:O	1:92:A:MET:N	14	0.33
(4,157)	1:83:A:ASP:O	1:87:A:GLN:N	7	0.33
(4,150)	1:68:A:LYS:O	1:72:A:THR:N	8	0.33
(4,148)	1:66:A:VAL:O	1:70:A:SER:N	15	0.33
(4,147)	1:65:A:LYS:O	1:69:A:ALA:N	10	0.33
(4,144)	1:62:A:SER:O	1:66:A:VAL:N	6	0.33
(4,144)	1:62:A:SER:O	1:66:A:VAL:N	15	0.33
(4,142)	1:60:A:GLN:O	1:64:A:LYS:N	14	0.33
(4,140)	1:58:A:GLU:O	1:62:A:SER:N	10	0.33
(4,137)	1:42:A:LEU:O	1:46:A:VAL:N	5	0.33
(4,135)	1:40:A:ARG:O	1:44:A:THR:N	6	0.33
(4,133)	1:38:A:ALA:O	1:42:A:LEU:N	3	0.33
(4,133)	1:38:A:ALA:O	1:42:A:LEU:N	10	0.33
(4,133)	1:38:A:ALA:O	1:42:A:LEU:N	11	0.33
(4,131)	1:36:A:ILE:O	1:40:A:ARG:N	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,130)	1:35:A:TRP:O	1:39:A:LEU:N	4	0.33
(4,112)	1:7:A:SER:O	1:11:A:LEU:N	3	0.33
(4,31)	1:31:A:THR:O	1:35:A:TRP:H	4	0.33
(4,31)	1:31:A:THR:O	1:35:A:TRP:H	5	0.33
(4,31)	1:31:A:THR:O	1:35:A:TRP:H	8	0.33
(4,31)	1:31:A:THR:O	1:35:A:TRP:H	14	0.33
(4,31)	1:31:A:THR:O	1:35:A:TRP:H	15	0.33
(2,104)	1:98:A:ALA:H	1:96:A:TYR:HE1	1	0.33
(2,104)	1:98:A:ALA:H	1:96:A:TYR:HE2	1	0.33
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	2	0.33
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	2	0.33
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	2	0.33
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	10	0.33
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	10	0.33
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	10	0.33
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	11	0.33
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	11	0.33
(1,2858)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	11	0.33
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD11	8	0.33
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD12	8	0.33
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD13	8	0.33
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD21	8	0.33
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD22	8	0.33
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD23	8	0.33
(1,2815)	1:53:A:GLU:H	1:51:A:THR:H	6	0.33
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD11	7	0.33
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD12	7	0.33
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD13	7	0.33
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD21	7	0.33
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD22	7	0.33
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD23	7	0.33
(1,2802)	1:50:A:LEU:H	1:53:A:GLU:H	15	0.33
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG21	2	0.33
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG22	2	0.33
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG23	2	0.33
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD21	12	0.33
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD22	12	0.33
(1,2781)	1:47:A:GLN:HA	1:50:A:LEU:HD23	12	0.33
(1,2778)	1:45:A:THR:HA	1:49:A:GLU:H	12	0.33
(1,2748)	1:17:A:LEU:HA	1:24:A:ARG:HE	12	0.33
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	11	0.33
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	11	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	11	0.33
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	11	0.33
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	11	0.33
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	11	0.33
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	2	0.33
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	2	0.33
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	2	0.33
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	10	0.33
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	10	0.33
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	10	0.33
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	11	0.33
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	11	0.33
(1,2734)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	11	0.33
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD11	8	0.33
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD12	8	0.33
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD13	8	0.33
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD21	8	0.33
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD22	8	0.33
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD23	8	0.33
(1,2691)	1:53:A:GLU:H	1:51:A:THR:H	6	0.33
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD11	7	0.33
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD12	7	0.33
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD13	7	0.33
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD21	7	0.33
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD22	7	0.33
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD23	7	0.33
(1,2678)	1:50:A:LEU:H	1:53:A:GLU:H	15	0.33
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG21	2	0.33
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG22	2	0.33
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG23	2	0.33
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD21	12	0.33
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD22	12	0.33
(1,2657)	1:47:A:GLN:HA	1:50:A:LEU:HD23	12	0.33
(1,2654)	1:45:A:THR:HA	1:49:A:GLU:H	12	0.33
(1,2624)	1:17:A:LEU:HA	1:24:A:ARG:HE	12	0.33
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	11	0.33
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	11	0.33
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	11	0.33
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	11	0.33
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	11	0.33
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	11	0.33
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	2	0.33
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	2	0.33
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	10	0.33
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	10	0.33
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	10	0.33
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	11	0.33
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	11	0.33
(1,2610)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	11	0.33
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD11	8	0.33
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD12	8	0.33
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD13	8	0.33
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD21	8	0.33
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD22	8	0.33
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD23	8	0.33
(1,2567)	1:53:A:GLU:H	1:51:A:THR:H	6	0.33
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD11	7	0.33
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD12	7	0.33
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD13	7	0.33
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD21	7	0.33
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD22	7	0.33
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD23	7	0.33
(1,2554)	1:50:A:LEU:H	1:53:A:GLU:H	15	0.33
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG21	2	0.33
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG22	2	0.33
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG23	2	0.33
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD21	12	0.33
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD22	12	0.33
(1,2533)	1:47:A:GLN:HA	1:50:A:LEU:HD23	12	0.33
(1,2530)	1:45:A:THR:HA	1:49:A:GLU:H	12	0.33
(1,2500)	1:17:A:LEU:HA	1:24:A:ARG:HE	12	0.33
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	11	0.33
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	11	0.33
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	11	0.33
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	11	0.33
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	11	0.33
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	11	0.33
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	2	0.33
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	2	0.33
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	2	0.33
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	10	0.33
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	10	0.33
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	11	0.33
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	11	0.33
(1,2486)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	11	0.33
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD11	8	0.33
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD12	8	0.33
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD13	8	0.33
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD21	8	0.33
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD22	8	0.33
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD23	8	0.33
(1,2443)	1:53:A:GLU:H	1:51:A:THR:H	6	0.33
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD11	7	0.33
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD12	7	0.33
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD13	7	0.33
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD21	7	0.33
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD22	7	0.33
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD23	7	0.33
(1,2430)	1:50:A:LEU:H	1:53:A:GLU:H	15	0.33
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG21	2	0.33
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG22	2	0.33
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG23	2	0.33
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD21	12	0.33
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD22	12	0.33
(1,2409)	1:47:A:GLN:HA	1:50:A:LEU:HD23	12	0.33
(1,2406)	1:45:A:THR:HA	1:49:A:GLU:H	12	0.33
(1,2376)	1:17:A:LEU:HA	1:24:A:ARG:HE	12	0.33
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	11	0.33
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	11	0.33
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	11	0.33
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	11	0.33
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	11	0.33
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	11	0.33
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	2	0.33
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	2	0.33
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	2	0.33
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	10	0.33
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	10	0.33
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	10	0.33
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD11	11	0.33
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD12	11	0.33
(1,2362)	1:74:A:LEU:HB2	1:71:A:LEU:HD13	11	0.33
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD11	8	0.33
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD12	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD13	8	0.33
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD21	8	0.33
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD22	8	0.33
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD23	8	0.33
(1,2319)	1:53:A:GLU:H	1:51:A:THR:H	6	0.33
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD11	7	0.33
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD12	7	0.33
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD13	7	0.33
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD21	7	0.33
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD22	7	0.33
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD23	7	0.33
(1,2306)	1:50:A:LEU:H	1:53:A:GLU:H	15	0.33
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG21	2	0.33
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG22	2	0.33
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG23	2	0.33
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD21	12	0.33
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD22	12	0.33
(1,2285)	1:47:A:GLN:HA	1:50:A:LEU:HD23	12	0.33
(1,2282)	1:45:A:THR:HA	1:49:A:GLU:H	12	0.33
(1,2252)	1:17:A:LEU:HA	1:24:A:ARG:HE	12	0.33
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	11	0.33
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	11	0.33
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	11	0.33
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	11	0.33
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	11	0.33
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	11	0.33
(1,2229)	1:101:A:PRO:HD2	1:102:A:LEU:H	3	0.33
(1,2229)	1:101:A:PRO:HD3	1:102:A:LEU:H	3	0.33
(1,2227)	1:101:A:PRO:HG2	1:100:A:ASP:HA	5	0.33
(1,2227)	1:101:A:PRO:HG3	1:100:A:ASP:HA	5	0.33
(1,2226)	1:101:A:PRO:HD2	1:99:A:ASN:HB3	9	0.33
(1,2226)	1:101:A:PRO:HD3	1:99:A:ASN:HB3	9	0.33
(1,2226)	1:101:A:PRO:HD2	1:99:A:ASN:HB2	9	0.33
(1,2226)	1:101:A:PRO:HD3	1:99:A:ASN:HB2	9	0.33
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB1	10	0.33
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB2	10	0.33
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB3	10	0.33
(1,2111)	1:85:A:LEU:HB2	1:86:A:ARG:H	3	0.33
(1,2111)	1:85:A:LEU:HB3	1:86:A:ARG:H	3	0.33
(1,2111)	1:85:A:LEU:HB2	1:86:A:ARG:H	5	0.33
(1,2111)	1:85:A:LEU:HB3	1:86:A:ARG:H	5	0.33
(1,2111)	1:85:A:LEU:HB2	1:86:A:ARG:H	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2111)	1:85:A:LEU:HB3	1:86:A:ARG:H	8	0.33
(1,2111)	1:85:A:LEU:HB2	1:86:A:ARG:H	11	0.33
(1,2111)	1:85:A:LEU:HB3	1:86:A:ARG:H	11	0.33
(1,2111)	1:85:A:LEU:HB2	1:86:A:ARG:H	12	0.33
(1,2111)	1:85:A:LEU:HB3	1:86:A:ARG:H	12	0.33
(1,2076)	1:83:A:ASP:H	1:79:A:LYS:HA	1	0.33
(1,2076)	1:83:A:ASP:H	1:79:A:LYS:HA	12	0.33
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB2	12	0.33
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB3	12	0.33
(1,2029)	1:77:A:GLU:H	1:78:A:LEU:H	8	0.33
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG21	2	0.33
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG22	2	0.33
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG23	2	0.33
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG21	2	0.33
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG22	2	0.33
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG23	2	0.33
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD21	6	0.33
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD22	6	0.33
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD23	6	0.33
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB1	3	0.33
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB2	3	0.33
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB3	3	0.33
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB1	12	0.33
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB2	12	0.33
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB3	12	0.33
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB1	14	0.33
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB2	14	0.33
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB3	14	0.33
(1,1909)	1:64:A:LYS:H	1:62:A:SER:HA	4	0.33
(1,1909)	1:64:A:LYS:H	1:62:A:SER:HA	15	0.33
(1,1879)	1:61:A:ASP:HB2	1:58:A:GLU:HA	8	0.33
(1,1879)	1:61:A:ASP:HB3	1:58:A:GLU:HA	8	0.33
(1,1839)	1:51:A:THR:HB	1:48:A:ASN:HA	8	0.33
(1,1839)	1:51:A:THR:HB	1:48:A:ASN:HA	9	0.33
(1,1822)	1:46:A:VAL:H	1:47:A:GLN:H	13	0.33
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB1	5	0.33
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB2	5	0.33
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB3	5	0.33
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB1	7	0.33
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB2	7	0.33
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB3	7	0.33
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB1	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB2	14	0.33
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB3	14	0.33
(1,1779)	1:40:A:ARG:H	1:41:A:SER:H	6	0.33
(1,1779)	1:40:A:ARG:H	1:41:A:SER:H	7	0.33
(1,1779)	1:40:A:ARG:H	1:41:A:SER:H	8	0.33
(1,1779)	1:40:A:ARG:H	1:41:A:SER:H	14	0.33
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG21	13	0.33
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG22	13	0.33
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG23	13	0.33
(1,1671)	1:15:A:ILE:HA	1:19:A:VAL:H	3	0.33
(1,1671)	1:15:A:ILE:HA	1:19:A:VAL:H	7	0.33
(1,1671)	1:15:A:ILE:HA	1:19:A:VAL:H	9	0.33
(1,1668)	1:15:A:ILE:HA	1:18:A:VAL:H	11	0.33
(1,1658)	1:14:A:ILE:HB	1:15:A:ILE:H	8	0.33
(1,1658)	1:14:A:ILE:HB	1:15:A:ILE:H	15	0.33
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG11	11	0.33
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG12	11	0.33
(1,1635)	1:13:A:PHE:HA	1:12:A:VAL:HG13	11	0.33
(1,1626)	1:11:A:LEU:H	1:10:A:LEU:H	5	0.33
(1,1626)	1:11:A:LEU:H	1:10:A:LEU:H	6	0.33
(1,1621)	1:10:A:LEU:H	1:9:A:LEU:H	11	0.33
(1,1621)	1:10:A:LEU:H	1:9:A:LEU:H	12	0.33
(1,1568)	1:3:A:ASP:HB2	1:4:A:ILE:H	7	0.33
(1,1563)	1:3:A:ASP:HB3	1:3:A:ASP:HA	7	0.33
(1,1563)	1:3:A:ASP:HB3	1:3:A:ASP:HA	13	0.33
(1,1542)	1:1:A:MET:HE1	1:2:A:PHE:H	1	0.33
(1,1542)	1:1:A:MET:HE2	1:2:A:PHE:H	1	0.33
(1,1542)	1:1:A:MET:HE3	1:2:A:PHE:H	1	0.33
(1,1542)	1:1:A:MET:HE1	1:2:A:PHE:H	3	0.33
(1,1542)	1:1:A:MET:HE2	1:2:A:PHE:H	3	0.33
(1,1542)	1:1:A:MET:HE3	1:2:A:PHE:H	3	0.33
(1,1542)	1:1:A:MET:HE1	1:2:A:PHE:H	9	0.33
(1,1542)	1:1:A:MET:HE2	1:2:A:PHE:H	9	0.33
(1,1542)	1:1:A:MET:HE3	1:2:A:PHE:H	9	0.33
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG11	3	0.33
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG12	3	0.33
(1,1535)	1:98:A:ALA:HA	1:97:A:VAL:HG13	3	0.33
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG21	2	0.33
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG22	2	0.33
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG23	2	0.33
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG21	10	0.33
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG22	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG23	10	0.33
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG21	12	0.33
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG22	12	0.33
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG23	12	0.33
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE21	15	0.33
(1,1423)	1:48:A:ASN:H	1:47:A:GLN:HE22	15	0.33
(1,1387)	1:42:A:LEU:HD11	1:39:A:LEU:HA	2	0.33
(1,1387)	1:42:A:LEU:HD12	1:39:A:LEU:HA	2	0.33
(1,1387)	1:42:A:LEU:HD13	1:39:A:LEU:HA	2	0.33
(1,1387)	1:42:A:LEU:HD21	1:39:A:LEU:HA	2	0.33
(1,1387)	1:42:A:LEU:HD22	1:39:A:LEU:HA	2	0.33
(1,1387)	1:42:A:LEU:HD23	1:39:A:LEU:HA	2	0.33
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG21	4	0.33
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG22	4	0.33
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG23	4	0.33
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG21	4	0.33
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG22	4	0.33
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG23	4	0.33
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG21	4	0.33
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG22	4	0.33
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG23	4	0.33
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG21	14	0.33
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG22	14	0.33
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG23	14	0.33
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG21	14	0.33
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG22	14	0.33
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG23	14	0.33
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG21	14	0.33
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG22	14	0.33
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG23	14	0.33
(1,1321)	1:26:A:PRO:HB2	1:30:A:LYS:HG3	6	0.33
(1,1321)	1:26:A:PRO:HB3	1:30:A:LYS:HG3	6	0.33
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD11	9	0.33
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD12	9	0.33
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD13	9	0.33
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD11	9	0.33
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD12	9	0.33
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD13	9	0.33
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG12	5	0.33
(1,1244)	1:2:A:PHE:HB3	1:4:A:ILE:HG12	5	0.33
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG13	5	0.33
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG12	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1244)	1:2:A:PHE:HB3	1:4:A:ILE:HG12	10	0.33
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG13	10	0.33
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG12	15	0.33
(1,1244)	1:2:A:PHE:HB3	1:4:A:ILE:HG12	15	0.33
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG13	15	0.33
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG21	7	0.33
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG22	7	0.33
(1,1001)	1:41:A:SER:HA	1:45:A:THR:HG23	7	0.33
(1,455)	1:43:A:ALA:HA	1:46:A:VAL:HB	9	0.33
(1,197)	1:99:A:ASN:H	1:97:A:VAL:HG21	14	0.33
(1,197)	1:99:A:ASN:H	1:97:A:VAL:HG22	14	0.33
(1,197)	1:99:A:ASN:H	1:97:A:VAL:HG23	14	0.33
(4,165)	1:91:A:SER:O	1:95:A:SER:N	10	0.32
(4,162)	1:88:A:ALA:O	1:92:A:MET:N	1	0.32
(4,162)	1:88:A:ALA:O	1:92:A:MET:N	6	0.32
(4,162)	1:88:A:ALA:O	1:92:A:MET:N	7	0.32
(4,162)	1:88:A:ALA:O	1:92:A:MET:N	8	0.32
(4,162)	1:88:A:ALA:O	1:92:A:MET:N	12	0.32
(4,162)	1:88:A:ALA:O	1:92:A:MET:N	15	0.32
(4,157)	1:83:A:ASP:O	1:87:A:GLN:N	14	0.32
(4,151)	1:77:A:GLU:O	1:81:A:SER:N	3	0.32
(4,151)	1:77:A:GLU:O	1:81:A:SER:N	13	0.32
(4,146)	1:64:A:LYS:O	1:68:A:LYS:N	3	0.32
(4,146)	1:64:A:LYS:O	1:68:A:LYS:N	6	0.32
(4,146)	1:64:A:LYS:O	1:68:A:LYS:N	8	0.32
(4,146)	1:64:A:LYS:O	1:68:A:LYS:N	10	0.32
(4,146)	1:64:A:LYS:O	1:68:A:LYS:N	14	0.32
(4,144)	1:62:A:SER:O	1:66:A:VAL:N	2	0.32
(4,144)	1:62:A:SER:O	1:66:A:VAL:N	3	0.32
(4,144)	1:62:A:SER:O	1:66:A:VAL:N	4	0.32
(4,144)	1:62:A:SER:O	1:66:A:VAL:N	5	0.32
(4,144)	1:62:A:SER:O	1:66:A:VAL:N	8	0.32
(4,141)	1:59:A:PHE:O	1:63:A:LEU:N	5	0.32
(4,141)	1:59:A:PHE:O	1:63:A:LEU:N	12	0.32
(4,135)	1:40:A:ARG:O	1:44:A:THR:N	15	0.32
(4,133)	1:38:A:ALA:O	1:42:A:LEU:N	5	0.32
(4,133)	1:38:A:ALA:O	1:42:A:LEU:N	8	0.32
(4,133)	1:38:A:ALA:O	1:42:A:LEU:N	9	0.32
(4,131)	1:36:A:ILE:O	1:40:A:ARG:N	1	0.32
(4,131)	1:36:A:ILE:O	1:40:A:ARG:N	2	0.32
(4,130)	1:35:A:TRP:O	1:39:A:LEU:N	7	0.32
(4,130)	1:35:A:TRP:O	1:39:A:LEU:N	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,130)	1:35:A:TRP:O	1:39:A:LEU:N	10	0.32
(4,114)	1:9:A:LEU:O	1:13:A:PHE:N	8	0.32
(4,73)	1:66:A:VAL:O	1:70:A:SER:H	15	0.32
(1,2815)	1:53:A:GLU:H	1:51:A:THR:H	7	0.32
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD11	9	0.32
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD12	9	0.32
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD13	9	0.32
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD21	9	0.32
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD22	9	0.32
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD23	9	0.32
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD21	2	0.32
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD22	2	0.32
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD23	2	0.32
(1,2803)	1:50:A:LEU:H	1:54:A:LEU:HB3	6	0.32
(1,2776)	1:45:A:THR:HA	1:48:A:ASN:HD22	3	0.32
(1,2776)	1:45:A:THR:HA	1:48:A:ASN:HD21	3	0.32
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	10	0.32
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	10	0.32
(1,2743)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	10	0.32
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	10	0.32
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	10	0.32
(1,2743)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	10	0.32
(1,2691)	1:53:A:GLU:H	1:51:A:THR:H	7	0.32
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD11	9	0.32
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD12	9	0.32
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD13	9	0.32
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD21	9	0.32
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD22	9	0.32
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD23	9	0.32
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD21	2	0.32
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD22	2	0.32
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD23	2	0.32
(1,2679)	1:50:A:LEU:H	1:54:A:LEU:HB3	6	0.32
(1,2652)	1:45:A:THR:HA	1:48:A:ASN:HD22	3	0.32
(1,2652)	1:45:A:THR:HA	1:48:A:ASN:HD21	3	0.32
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	10	0.32
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	10	0.32
(1,2619)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	10	0.32
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	10	0.32
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	10	0.32
(1,2619)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	10	0.32
(1,2567)	1:53:A:GLU:H	1:51:A:THR:H	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD11	9	0.32
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD12	9	0.32
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD13	9	0.32
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD21	9	0.32
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD22	9	0.32
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD23	9	0.32
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD21	2	0.32
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD22	2	0.32
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD23	2	0.32
(1,2555)	1:50:A:LEU:H	1:54:A:LEU:HB3	6	0.32
(1,2528)	1:45:A:THR:HA	1:48:A:ASN:HD22	3	0.32
(1,2528)	1:45:A:THR:HA	1:48:A:ASN:HD21	3	0.32
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	10	0.32
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	10	0.32
(1,2495)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	10	0.32
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	10	0.32
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	10	0.32
(1,2495)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	10	0.32
(1,2443)	1:53:A:GLU:H	1:51:A:THR:H	7	0.32
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD11	9	0.32
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD12	9	0.32
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD13	9	0.32
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD21	9	0.32
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD22	9	0.32
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD23	9	0.32
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD21	2	0.32
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD22	2	0.32
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD23	2	0.32
(1,2431)	1:50:A:LEU:H	1:54:A:LEU:HB3	6	0.32
(1,2404)	1:45:A:THR:HA	1:48:A:ASN:HD22	3	0.32
(1,2404)	1:45:A:THR:HA	1:48:A:ASN:HD21	3	0.32
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	10	0.32
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	10	0.32
(1,2371)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	10	0.32
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	10	0.32
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	10	0.32
(1,2371)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	10	0.32
(1,2319)	1:53:A:GLU:H	1:51:A:THR:H	7	0.32
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD11	9	0.32
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD12	9	0.32
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD13	9	0.32
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD21	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD22	9	0.32
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD23	9	0.32
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD21	2	0.32
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD22	2	0.32
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD23	2	0.32
(1,2307)	1:50:A:LEU:H	1:54:A:LEU:HB3	6	0.32
(1,2280)	1:45:A:THR:HA	1:48:A:ASN:HD22	3	0.32
(1,2280)	1:45:A:THR:HA	1:48:A:ASN:HD21	3	0.32
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD21	10	0.32
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD22	10	0.32
(1,2247)	1:13:A:PHE:HE1	1:25:A:LEU:HD23	10	0.32
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD21	10	0.32
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD22	10	0.32
(1,2247)	1:13:A:PHE:HE2	1:25:A:LEU:HD23	10	0.32
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB1	8	0.32
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB2	8	0.32
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB3	8	0.32
(1,2198)	1:96:A:TYR:H	1:100:A:ASP:H	9	0.32
(1,2190)	1:96:A:TYR:HB2	1:97:A:VAL:HG11	9	0.32
(1,2190)	1:96:A:TYR:HB2	1:97:A:VAL:HG12	9	0.32
(1,2190)	1:96:A:TYR:HB2	1:97:A:VAL:HG13	9	0.32
(1,2190)	1:96:A:TYR:HB2	1:97:A:VAL:HG21	9	0.32
(1,2190)	1:96:A:TYR:HB2	1:97:A:VAL:HG22	9	0.32
(1,2190)	1:96:A:TYR:HB2	1:97:A:VAL:HG23	9	0.32
(1,2190)	1:96:A:TYR:HB3	1:97:A:VAL:HG11	9	0.32
(1,2190)	1:96:A:TYR:HB3	1:97:A:VAL:HG12	9	0.32
(1,2190)	1:96:A:TYR:HB3	1:97:A:VAL:HG13	9	0.32
(1,2190)	1:96:A:TYR:HB3	1:97:A:VAL:HG21	9	0.32
(1,2190)	1:96:A:TYR:HB3	1:97:A:VAL:HG22	9	0.32
(1,2190)	1:96:A:TYR:HB3	1:97:A:VAL:HG23	9	0.32
(1,2188)	1:96:A:TYR:HB3	1:97:A:VAL:HA	11	0.32
(1,2188)	1:96:A:TYR:HB2	1:97:A:VAL:HA	11	0.32
(1,2156)	1:92:A:MET:HB2	1:93:A:LYS:H	11	0.32
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB2	5	0.32
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB3	5	0.32
(1,2141)	1:89:A:ALA:HA	1:92:A:MET:HG2	10	0.32
(1,2141)	1:89:A:ALA:HA	1:92:A:MET:HG3	10	0.32
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE1	7	0.32
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE2	7	0.32
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE3	7	0.32
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB1	3	0.32
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB2	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB3	3	0.32
(1,2111)	1:85:A:LEU:HB2	1:86:A:ARG:H	10	0.32
(1,2111)	1:85:A:LEU:HB3	1:86:A:ARG:H	10	0.32
(1,2106)	1:84:A:GLU:HA	1:87:A:GLN:HE21	14	0.32
(1,2076)	1:83:A:ASP:H	1:79:A:LYS:HA	9	0.32
(1,2076)	1:83:A:ASP:H	1:79:A:LYS:HA	10	0.32
(1,2076)	1:83:A:ASP:H	1:79:A:LYS:HA	14	0.32
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB2	1	0.32
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB3	1	0.32
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB2	10	0.32
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB3	10	0.32
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB2	14	0.32
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB3	14	0.32
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB1	2	0.32
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB2	2	0.32
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB3	2	0.32
(1,2031)	1:77:A:GLU:HA	1:80:A:ALA:H	3	0.32
(1,2029)	1:77:A:GLU:H	1:78:A:LEU:H	6	0.32
(1,2029)	1:77:A:GLU:H	1:78:A:LEU:H	13	0.32
(1,2021)	1:76:A:PRO:HA	1:80:A:ALA:H	5	0.32
(1,1987)	1:73:A:ASN:HD21	1:72:A:THR:HB	14	0.32
(1,1987)	1:73:A:ASN:HD22	1:72:A:THR:HB	14	0.32
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG21	4	0.32
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG22	4	0.32
(1,1944)	1:67:A:GLU:HG2	1:66:A:VAL:HG23	4	0.32
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG21	4	0.32
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG22	4	0.32
(1,1944)	1:67:A:GLU:HG3	1:66:A:VAL:HG23	4	0.32
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB1	4	0.32
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB2	4	0.32
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB3	4	0.32
(1,1916)	1:65:A:LYS:H	1:61:A:ASP:HA	2	0.32
(1,1916)	1:65:A:LYS:H	1:61:A:ASP:HA	8	0.32
(1,1909)	1:64:A:LYS:H	1:62:A:SER:HA	3	0.32
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD1	15	0.32
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD2	15	0.32
(1,1839)	1:51:A:THR:HB	1:48:A:ASN:HA	1	0.32
(1,1823)	1:46:A:VAL:HA	1:48:A:ASN:H	1	0.32
(1,1823)	1:46:A:VAL:HA	1:48:A:ASN:H	13	0.32
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB1	2	0.32
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB2	2	0.32
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB3	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1779)	1:40:A:ARG:H	1:41:A:SER:H	3	0.32
(1,1779)	1:40:A:ARG:H	1:41:A:SER:H	9	0.32
(1,1684)	1:18:A:VAL:H	1:17:A:LEU:HG	11	0.32
(1,1671)	1:15:A:ILE:HA	1:19:A:VAL:H	8	0.32
(1,1671)	1:15:A:ILE:HA	1:19:A:VAL:H	15	0.32
(1,1663)	1:15:A:ILE:HB	1:12:A:VAL:HA	8	0.32
(1,1658)	1:14:A:ILE:HB	1:15:A:ILE:H	5	0.32
(1,1626)	1:11:A:LEU:H	1:10:A:LEU:H	13	0.32
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG11	5	0.32
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG12	5	0.32
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG13	5	0.32
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG21	5	0.32
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG22	5	0.32
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG23	5	0.32
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG11	14	0.32
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG12	14	0.32
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG13	14	0.32
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG21	14	0.32
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG22	14	0.32
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG23	14	0.32
(1,1597)	1:6:A:PHE:HA	1:9:A:LEU:HB2	1	0.32
(1,1563)	1:3:A:ASP:HB3	1:3:A:ASP:HA	14	0.32
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG21	1	0.32
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG22	1	0.32
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG23	1	0.32
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG21	7	0.32
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG22	7	0.32
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG23	7	0.32
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD11	1	0.32
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD12	1	0.32
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD13	1	0.32
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG21	1	0.32
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG22	1	0.32
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG23	1	0.32
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG21	1	0.32
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG22	1	0.32
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG23	1	0.32
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG21	13	0.32
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG22	13	0.32
(1,1421)	1:48:A:ASN:HB2	1:44:A:THR:HG23	13	0.32
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG21	13	0.32
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG22	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1421)	1:48:A:ASN:HB3	1:44:A:THR:HG23	13	0.32
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB1	4	0.32
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB2	4	0.32
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB3	4	0.32
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB1	4	0.32
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB2	4	0.32
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB3	4	0.32
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB1	4	0.32
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB2	4	0.32
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB3	4	0.32
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB1	5	0.32
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB2	5	0.32
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB3	5	0.32
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB1	5	0.32
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB2	5	0.32
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB3	5	0.32
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB1	5	0.32
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB2	5	0.32
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB3	5	0.32
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB1	8	0.32
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB2	8	0.32
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB3	8	0.32
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB1	8	0.32
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB2	8	0.32
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB3	8	0.32
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB1	8	0.32
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB2	8	0.32
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB3	8	0.32
(1,1363)	1:35:A:TRP:HD1	1:36:A:ILE:H	6	0.32
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG21	12	0.32
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG22	12	0.32
(1,1334)	1:31:A:THR:HG21	1:32:A:VAL:HG23	12	0.32
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG21	12	0.32
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG22	12	0.32
(1,1334)	1:31:A:THR:HG22	1:32:A:VAL:HG23	12	0.32
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG21	12	0.32
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG22	12	0.32
(1,1334)	1:31:A:THR:HG23	1:32:A:VAL:HG23	12	0.32
(1,1321)	1:26:A:PRO:HB2	1:30:A:LYS:HG3	1	0.32
(1,1321)	1:26:A:PRO:HB3	1:30:A:LYS:HG3	1	0.32
(1,1275)	1:13:A:PHE:HD1	1:14:A:ILE:HD11	1	0.32
(1,1275)	1:13:A:PHE:HD1	1:14:A:ILE:HD12	1	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1275)	1:13:A:PHE:HD1	1:14:A:ILE:HD13	1	0.32
(1,1275)	1:13:A:PHE:HD2	1:14:A:ILE:HD11	1	0.32
(1,1275)	1:13:A:PHE:HD2	1:14:A:ILE:HD12	1	0.32
(1,1275)	1:13:A:PHE:HD2	1:14:A:ILE:HD13	1	0.32
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG12	2	0.32
(1,1244)	1:2:A:PHE:HB3	1:4:A:ILE:HG12	2	0.32
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG13	2	0.32
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG12	4	0.32
(1,1244)	1:2:A:PHE:HB3	1:4:A:ILE:HG12	4	0.32
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG13	4	0.32
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG12	6	0.32
(1,1244)	1:2:A:PHE:HB3	1:4:A:ILE:HG12	6	0.32
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG13	6	0.32
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG11	3	0.32
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG12	3	0.32
(1,964)	1:93:A:LYS:HG3	1:97:A:VAL:HG13	3	0.32
(1,904)	1:74:A:LEU:H	1:70:A:SER:HA	8	0.32
(1,593)	1:68:A:LYS:H	1:66:A:VAL:HA	9	0.32
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG21	7	0.32
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG22	7	0.32
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG23	7	0.32
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG21	13	0.32
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG22	13	0.32
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG23	13	0.32
(4,162)	1:88:A:ALA:O	1:92:A:MET:N	2	0.31
(4,162)	1:88:A:ALA:O	1:92:A:MET:N	4	0.31
(4,162)	1:88:A:ALA:O	1:92:A:MET:N	5	0.31
(4,162)	1:88:A:ALA:O	1:92:A:MET:N	9	0.31
(4,162)	1:88:A:ALA:O	1:92:A:MET:N	10	0.31
(4,162)	1:88:A:ALA:O	1:92:A:MET:N	11	0.31
(4,162)	1:88:A:ALA:O	1:92:A:MET:N	13	0.31
(4,158)	1:84:A:GLU:O	1:88:A:ALA:N	7	0.31
(4,158)	1:84:A:GLU:O	1:88:A:ALA:N	14	0.31
(4,157)	1:83:A:ASP:O	1:87:A:GLN:N	3	0.31
(4,157)	1:83:A:ASP:O	1:87:A:GLN:N	5	0.31
(4,157)	1:83:A:ASP:O	1:87:A:GLN:N	6	0.31
(4,157)	1:83:A:ASP:O	1:87:A:GLN:N	8	0.31
(4,157)	1:83:A:ASP:O	1:87:A:GLN:N	9	0.31
(4,157)	1:83:A:ASP:O	1:87:A:GLN:N	10	0.31
(4,157)	1:83:A:ASP:O	1:87:A:GLN:N	13	0.31
(4,154)	1:80:A:ALA:O	1:84:A:GLU:N	7	0.31
(4,151)	1:77:A:GLU:O	1:81:A:SER:N	4	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,151)	1:77:A:GLU:O	1:81:A:SER:N	8	0.31
(4,151)	1:77:A:GLU:O	1:81:A:SER:N	9	0.31
(4,151)	1:77:A:GLU:O	1:81:A:SER:N	14	0.31
(4,147)	1:65:A:LYS:O	1:69:A:ALA:N	1	0.31
(4,147)	1:65:A:LYS:O	1:69:A:ALA:N	11	0.31
(4,147)	1:65:A:LYS:O	1:69:A:ALA:N	12	0.31
(4,146)	1:64:A:LYS:O	1:68:A:LYS:N	4	0.31
(4,146)	1:64:A:LYS:O	1:68:A:LYS:N	9	0.31
(4,146)	1:64:A:LYS:O	1:68:A:LYS:N	13	0.31
(4,145)	1:63:A:LEU:O	1:67:A:GLU:N	6	0.31
(4,145)	1:63:A:LEU:O	1:67:A:GLU:N	10	0.31
(4,140)	1:58:A:GLU:O	1:62:A:SER:N	15	0.31
(4,137)	1:42:A:LEU:O	1:46:A:VAL:N	10	0.31
(4,133)	1:38:A:ALA:O	1:42:A:LEU:N	2	0.31
(4,133)	1:38:A:ALA:O	1:42:A:LEU:N	6	0.31
(4,131)	1:36:A:ILE:O	1:40:A:ARG:N	5	0.31
(4,130)	1:35:A:TRP:O	1:39:A:LEU:N	3	0.31
(4,130)	1:35:A:TRP:O	1:39:A:LEU:N	6	0.31
(4,130)	1:35:A:TRP:O	1:39:A:LEU:N	8	0.31
(4,130)	1:35:A:TRP:O	1:39:A:LEU:N	13	0.31
(4,128)	1:33:A:ALA:O	1:37:A:ARG:N	12	0.31
(4,128)	1:33:A:ALA:O	1:37:A:ARG:N	14	0.31
(4,117)	1:12:A:VAL:O	1:16:A:GLY:N	12	0.31
(4,114)	1:9:A:LEU:O	1:13:A:PHE:N	3	0.31
(4,114)	1:9:A:LEU:O	1:13:A:PHE:N	7	0.31
(4,114)	1:9:A:LEU:O	1:13:A:PHE:N	15	0.31
(4,112)	1:7:A:SER:O	1:11:A:LEU:N	13	0.31
(4,57)	1:58:A:GLU:O	1:62:A:SER:H	7	0.31
(4,53)	1:42:A:LEU:O	1:46:A:VAL:H	10	0.31
(1,2815)	1:53:A:GLU:H	1:51:A:THR:H	3	0.31
(1,2802)	1:50:A:LEU:H	1:53:A:GLU:H	14	0.31
(1,2760)	1:22:A:PRO:HA	1:17:A:LEU:HD11	12	0.31
(1,2760)	1:22:A:PRO:HA	1:17:A:LEU:HD12	12	0.31
(1,2760)	1:22:A:PRO:HA	1:17:A:LEU:HD13	12	0.31
(1,2760)	1:22:A:PRO:HA	1:17:A:LEU:HD21	12	0.31
(1,2760)	1:22:A:PRO:HA	1:17:A:LEU:HD22	12	0.31
(1,2760)	1:22:A:PRO:HA	1:17:A:LEU:HD23	12	0.31
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	1	0.31
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	1	0.31
(1,2745)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	1	0.31
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	1	0.31
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2745)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	1	0.31
(1,2691)	1:53:A:GLU:H	1:51:A:THR:H	3	0.31
(1,2678)	1:50:A:LEU:H	1:53:A:GLU:H	14	0.31
(1,2636)	1:22:A:PRO:HA	1:17:A:LEU:HD11	12	0.31
(1,2636)	1:22:A:PRO:HA	1:17:A:LEU:HD12	12	0.31
(1,2636)	1:22:A:PRO:HA	1:17:A:LEU:HD13	12	0.31
(1,2636)	1:22:A:PRO:HA	1:17:A:LEU:HD21	12	0.31
(1,2636)	1:22:A:PRO:HA	1:17:A:LEU:HD22	12	0.31
(1,2636)	1:22:A:PRO:HA	1:17:A:LEU:HD23	12	0.31
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	1	0.31
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	1	0.31
(1,2621)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	1	0.31
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	1	0.31
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	1	0.31
(1,2621)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	1	0.31
(1,2567)	1:53:A:GLU:H	1:51:A:THR:H	3	0.31
(1,2554)	1:50:A:LEU:H	1:53:A:GLU:H	14	0.31
(1,2512)	1:22:A:PRO:HA	1:17:A:LEU:HD11	12	0.31
(1,2512)	1:22:A:PRO:HA	1:17:A:LEU:HD12	12	0.31
(1,2512)	1:22:A:PRO:HA	1:17:A:LEU:HD13	12	0.31
(1,2512)	1:22:A:PRO:HA	1:17:A:LEU:HD21	12	0.31
(1,2512)	1:22:A:PRO:HA	1:17:A:LEU:HD22	12	0.31
(1,2512)	1:22:A:PRO:HA	1:17:A:LEU:HD23	12	0.31
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	1	0.31
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	1	0.31
(1,2497)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	1	0.31
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	1	0.31
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	1	0.31
(1,2497)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	1	0.31
(1,2443)	1:53:A:GLU:H	1:51:A:THR:H	3	0.31
(1,2430)	1:50:A:LEU:H	1:53:A:GLU:H	14	0.31
(1,2388)	1:22:A:PRO:HA	1:17:A:LEU:HD11	12	0.31
(1,2388)	1:22:A:PRO:HA	1:17:A:LEU:HD12	12	0.31
(1,2388)	1:22:A:PRO:HA	1:17:A:LEU:HD13	12	0.31
(1,2388)	1:22:A:PRO:HA	1:17:A:LEU:HD21	12	0.31
(1,2388)	1:22:A:PRO:HA	1:17:A:LEU:HD22	12	0.31
(1,2388)	1:22:A:PRO:HA	1:17:A:LEU:HD23	12	0.31
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	1	0.31
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	1	0.31
(1,2373)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	1	0.31
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	1	0.31
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2373)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	1	0.31
(1,2319)	1:53:A:GLU:H	1:51:A:THR:H	3	0.31
(1,2306)	1:50:A:LEU:H	1:53:A:GLU:H	14	0.31
(1,2264)	1:22:A:PRO:HA	1:17:A:LEU:HD11	12	0.31
(1,2264)	1:22:A:PRO:HA	1:17:A:LEU:HD12	12	0.31
(1,2264)	1:22:A:PRO:HA	1:17:A:LEU:HD13	12	0.31
(1,2264)	1:22:A:PRO:HA	1:17:A:LEU:HD21	12	0.31
(1,2264)	1:22:A:PRO:HA	1:17:A:LEU:HD22	12	0.31
(1,2264)	1:22:A:PRO:HA	1:17:A:LEU:HD23	12	0.31
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD21	1	0.31
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD22	1	0.31
(1,2249)	1:13:A:PHE:HD1	1:25:A:LEU:HD23	1	0.31
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD21	1	0.31
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD22	1	0.31
(1,2249)	1:13:A:PHE:HD2	1:25:A:LEU:HD23	1	0.31
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB1	5	0.31
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB2	5	0.31
(1,2206)	1:97:A:VAL:H	1:98:A:ALA:HB3	5	0.31
(1,2195)	1:96:A:TYR:HA	1:98:A:ALA:H	3	0.31
(1,2188)	1:96:A:TYR:HB3	1:97:A:VAL:HA	12	0.31
(1,2188)	1:96:A:TYR:HB2	1:97:A:VAL:HA	12	0.31
(1,2188)	1:96:A:TYR:HB3	1:97:A:VAL:HA	14	0.31
(1,2188)	1:96:A:TYR:HB2	1:97:A:VAL:HA	14	0.31
(1,2156)	1:92:A:MET:HB2	1:93:A:LYS:H	2	0.31
(1,2156)	1:92:A:MET:HB2	1:93:A:LYS:H	7	0.31
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB2	2	0.31
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB3	2	0.31
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB2	4	0.31
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB3	4	0.31
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB2	9	0.31
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB3	9	0.31
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB2	10	0.31
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB3	10	0.31
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB2	11	0.31
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB3	11	0.31
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE1	14	0.31
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE2	14	0.31
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE3	14	0.31
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG2	3	0.31
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG3	3	0.31
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG2	4	0.31
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG3	4	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG2	5	0.31
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG3	5	0.31
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG2	10	0.31
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG3	10	0.31
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB1	1	0.31
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB2	1	0.31
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB3	1	0.31
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB1	5	0.31
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB2	5	0.31
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB3	5	0.31
(1,2111)	1:85:A:LEU:HB2	1:86:A:ARG:H	2	0.31
(1,2111)	1:85:A:LEU:HB3	1:86:A:ARG:H	2	0.31
(1,2111)	1:85:A:LEU:HB2	1:86:A:ARG:H	4	0.31
(1,2111)	1:85:A:LEU:HB3	1:86:A:ARG:H	4	0.31
(1,2111)	1:85:A:LEU:HB2	1:86:A:ARG:H	7	0.31
(1,2111)	1:85:A:LEU:HB3	1:86:A:ARG:H	7	0.31
(1,2097)	1:84:A:GLU:HA	1:83:A:ASP:HB3	7	0.31
(1,2076)	1:83:A:ASP:H	1:79:A:LYS:HA	3	0.31
(1,2076)	1:83:A:ASP:H	1:79:A:LYS:HA	4	0.31
(1,2076)	1:83:A:ASP:H	1:79:A:LYS:HA	13	0.31
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB2	4	0.31
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB3	4	0.31
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB2	15	0.31
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB3	15	0.31
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB1	7	0.31
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB2	7	0.31
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB3	7	0.31
(1,2031)	1:77:A:GLU:HA	1:80:A:ALA:H	7	0.31
(1,2029)	1:77:A:GLU:H	1:78:A:LEU:H	3	0.31
(1,2029)	1:77:A:GLU:H	1:78:A:LEU:H	9	0.31
(1,1987)	1:73:A:ASN:HD21	1:72:A:THR:HB	4	0.31
(1,1987)	1:73:A:ASN:HD22	1:72:A:THR:HB	4	0.31
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB1	10	0.31
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB2	10	0.31
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB3	10	0.31
(1,1916)	1:65:A:LYS:H	1:61:A:ASP:HA	14	0.31
(1,1848)	1:52:A:GLN:HA	1:51:A:THR:HG21	14	0.31
(1,1848)	1:52:A:GLN:HA	1:51:A:THR:HG22	14	0.31
(1,1848)	1:52:A:GLN:HA	1:51:A:THR:HG23	14	0.31
(1,1822)	1:46:A:VAL:H	1:47:A:GLN:H	6	0.31
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB1	8	0.31
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB2	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB3	8	0.31
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB1	13	0.31
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB2	13	0.31
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB3	13	0.31
(1,1737)	1:29:A:VAL:HA	1:33:A:ALA:H	13	0.31
(1,1718)	1:27:A:VAL:H	1:25:A:LEU:HA	12	0.31
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG21	3	0.31
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG22	3	0.31
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG23	3	0.31
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG21	12	0.31
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG22	12	0.31
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG23	12	0.31
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG11	2	0.31
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG12	2	0.31
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG13	2	0.31
(1,1671)	1:15:A:ILE:HA	1:19:A:VAL:H	1	0.31
(1,1658)	1:14:A:ILE:HB	1:15:A:ILE:H	4	0.31
(1,1658)	1:14:A:ILE:HB	1:15:A:ILE:H	6	0.31
(1,1658)	1:14:A:ILE:HB	1:15:A:ILE:H	10	0.31
(1,1658)	1:14:A:ILE:HB	1:15:A:ILE:H	14	0.31
(1,1626)	1:11:A:LEU:H	1:10:A:LEU:H	7	0.31
(1,1621)	1:10:A:LEU:H	1:9:A:LEU:H	7	0.31
(1,1566)	1:3:A:ASP:H	1:4:A:ILE:HB	13	0.31
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG21	5	0.31
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG22	5	0.31
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG23	5	0.31
(1,1408)	1:46:A:VAL:HA	1:49:A:GLU:H	3	0.31
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB1	13	0.31
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB2	13	0.31
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB3	13	0.31
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB1	13	0.31
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB2	13	0.31
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB3	13	0.31
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB1	13	0.31
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB2	13	0.31
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB3	13	0.31
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB1	14	0.31
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB2	14	0.31
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB3	14	0.31
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB1	14	0.31
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB2	14	0.31
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB3	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB1	14	0.31
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB2	14	0.31
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB3	14	0.31
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB1	15	0.31
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB2	15	0.31
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB3	15	0.31
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB1	15	0.31
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB2	15	0.31
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB3	15	0.31
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB1	15	0.31
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB2	15	0.31
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB3	15	0.31
(1,1363)	1:35:A:TRP:HD1	1:36:A:ILE:H	3	0.31
(1,1358)	1:35:A:TRP:HH2	1:36:A:ILE:HG13	5	0.31
(1,1358)	1:35:A:TRP:HH2	1:36:A:ILE:HG13	8	0.31
(1,1358)	1:35:A:TRP:HH2	1:36:A:ILE:HG13	12	0.31
(1,1358)	1:35:A:TRP:HH2	1:36:A:ILE:HG13	13	0.31
(1,1358)	1:35:A:TRP:HH2	1:36:A:ILE:HG13	14	0.31
(1,1358)	1:35:A:TRP:HH2	1:36:A:ILE:HG13	15	0.31
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG11	1	0.31
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG12	1	0.31
(1,1317)	1:24:A:ARG:HA	1:27:A:VAL:HG13	1	0.31
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG12	7	0.31
(1,1244)	1:2:A:PHE:HB3	1:4:A:ILE:HG12	7	0.31
(1,1244)	1:2:A:PHE:HB2	1:4:A:ILE:HG13	7	0.31
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG11	8	0.31
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG12	8	0.31
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG13	8	0.31
(1,455)	1:43:A:ALA:HA	1:46:A:VAL:HB	5	0.31
(4,158)	1:84:A:GLU:O	1:88:A:ALA:N	12	0.3
(4,157)	1:83:A:ASP:O	1:87:A:GLN:N	1	0.3
(4,157)	1:83:A:ASP:O	1:87:A:GLN:N	2	0.3
(4,157)	1:83:A:ASP:O	1:87:A:GLN:N	4	0.3
(4,157)	1:83:A:ASP:O	1:87:A:GLN:N	11	0.3
(4,157)	1:83:A:ASP:O	1:87:A:GLN:N	12	0.3
(4,157)	1:83:A:ASP:O	1:87:A:GLN:N	15	0.3
(4,154)	1:80:A:ALA:O	1:84:A:GLU:N	8	0.3
(4,151)	1:77:A:GLU:O	1:81:A:SER:N	5	0.3
(4,151)	1:77:A:GLU:O	1:81:A:SER:N	6	0.3
(4,151)	1:77:A:GLU:O	1:81:A:SER:N	10	0.3
(4,151)	1:77:A:GLU:O	1:81:A:SER:N	12	0.3
(4,151)	1:77:A:GLU:O	1:81:A:SER:N	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,147)	1:65:A:LYS:O	1:69:A:ALA:N	2	0.3
(4,147)	1:65:A:LYS:O	1:69:A:ALA:N	15	0.3
(4,146)	1:64:A:LYS:O	1:68:A:LYS:N	11	0.3
(4,145)	1:63:A:LEU:O	1:67:A:GLU:N	3	0.3
(4,141)	1:59:A:PHE:O	1:63:A:LEU:N	15	0.3
(4,137)	1:42:A:LEU:O	1:46:A:VAL:N	11	0.3
(4,133)	1:38:A:ALA:O	1:42:A:LEU:N	7	0.3
(4,133)	1:38:A:ALA:O	1:42:A:LEU:N	12	0.3
(4,131)	1:36:A:ILE:O	1:40:A:ARG:N	3	0.3
(4,131)	1:36:A:ILE:O	1:40:A:ARG:N	6	0.3
(4,130)	1:35:A:TRP:O	1:39:A:LEU:N	5	0.3
(4,130)	1:35:A:TRP:O	1:39:A:LEU:N	12	0.3
(4,130)	1:35:A:TRP:O	1:39:A:LEU:N	14	0.3
(4,130)	1:35:A:TRP:O	1:39:A:LEU:N	15	0.3
(4,128)	1:33:A:ALA:O	1:37:A:ARG:N	8	0.3
(4,128)	1:33:A:ALA:O	1:37:A:ARG:N	13	0.3
(4,128)	1:33:A:ALA:O	1:37:A:ARG:N	15	0.3
(4,123)	1:28:A:ALA:O	1:32:A:VAL:N	1	0.3
(4,118)	1:14:A:ILE:O	1:18:A:VAL:N	3	0.3
(4,118)	1:14:A:ILE:O	1:18:A:VAL:N	7	0.3
(4,118)	1:14:A:ILE:O	1:18:A:VAL:N	8	0.3
(4,114)	1:9:A:LEU:O	1:13:A:PHE:N	11	0.3
(4,112)	1:7:A:SER:O	1:11:A:LEU:N	2	0.3
(4,53)	1:42:A:LEU:O	1:46:A:VAL:H	11	0.3
(1,2815)	1:53:A:GLU:H	1:51:A:THR:H	4	0.3
(1,2815)	1:53:A:GLU:H	1:51:A:THR:H	5	0.3
(1,2815)	1:53:A:GLU:H	1:51:A:THR:H	10	0.3
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD11	10	0.3
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD12	10	0.3
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD13	10	0.3
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD21	10	0.3
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD22	10	0.3
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD23	10	0.3
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD11	11	0.3
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD12	11	0.3
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD13	11	0.3
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD21	11	0.3
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD22	11	0.3
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD23	11	0.3
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD11	13	0.3
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD12	13	0.3
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD13	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD21	13	0.3
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD22	13	0.3
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD23	13	0.3
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	11	0.3
(1,2804)	1:51:A:THR:HB	1:44:A:THR:HA	11	0.3
(1,2793)	1:49:A:GLU:H	1:44:A:THR:HA	11	0.3
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG21	1	0.3
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG22	1	0.3
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG23	1	0.3
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG21	13	0.3
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG22	13	0.3
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG23	13	0.3
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	13	0.3
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	13	0.3
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	13	0.3
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	13	0.3
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	13	0.3
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	13	0.3
(1,2691)	1:53:A:GLU:H	1:51:A:THR:H	4	0.3
(1,2691)	1:53:A:GLU:H	1:51:A:THR:H	5	0.3
(1,2691)	1:53:A:GLU:H	1:51:A:THR:H	10	0.3
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD11	10	0.3
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD12	10	0.3
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD13	10	0.3
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD21	10	0.3
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD22	10	0.3
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD23	10	0.3
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD11	11	0.3
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD12	11	0.3
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD13	11	0.3
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD21	11	0.3
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD22	11	0.3
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD23	11	0.3
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD11	13	0.3
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD12	13	0.3
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD13	13	0.3
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD21	13	0.3
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD22	13	0.3
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD23	13	0.3
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	11	0.3
(1,2680)	1:51:A:THR:HB	1:44:A:THR:HA	11	0.3
(1,2669)	1:49:A:GLU:H	1:44:A:THR:HA	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG21	1	0.3
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG22	1	0.3
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG23	1	0.3
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG21	13	0.3
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG22	13	0.3
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG23	13	0.3
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	13	0.3
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	13	0.3
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	13	0.3
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	13	0.3
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	13	0.3
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	13	0.3
(1,2567)	1:53:A:GLU:H	1:51:A:THR:H	4	0.3
(1,2567)	1:53:A:GLU:H	1:51:A:THR:H	5	0.3
(1,2567)	1:53:A:GLU:H	1:51:A:THR:H	10	0.3
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD11	10	0.3
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD12	10	0.3
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD13	10	0.3
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD21	10	0.3
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD22	10	0.3
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD23	10	0.3
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD11	11	0.3
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD12	11	0.3
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD13	11	0.3
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD21	11	0.3
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD22	11	0.3
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD23	11	0.3
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD11	13	0.3
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD12	13	0.3
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD13	13	0.3
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD21	13	0.3
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD22	13	0.3
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD23	13	0.3
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	11	0.3
(1,2556)	1:51:A:THR:HB	1:44:A:THR:HA	11	0.3
(1,2545)	1:49:A:GLU:H	1:44:A:THR:HA	11	0.3
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG21	1	0.3
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG22	1	0.3
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG23	1	0.3
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG21	13	0.3
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG22	13	0.3
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG23	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	13	0.3
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	13	0.3
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	13	0.3
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	13	0.3
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	13	0.3
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	13	0.3
(1,2443)	1:53:A:GLU:H	1:51:A:THR:H	4	0.3
(1,2443)	1:53:A:GLU:H	1:51:A:THR:H	5	0.3
(1,2443)	1:53:A:GLU:H	1:51:A:THR:H	10	0.3
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD11	10	0.3
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD12	10	0.3
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD13	10	0.3
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD21	10	0.3
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD22	10	0.3
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD23	10	0.3
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD11	11	0.3
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD12	11	0.3
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD13	11	0.3
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD21	11	0.3
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD22	11	0.3
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD23	11	0.3
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD11	13	0.3
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD12	13	0.3
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD13	13	0.3
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD21	13	0.3
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD22	13	0.3
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD23	13	0.3
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	11	0.3
(1,2432)	1:51:A:THR:HB	1:44:A:THR:HA	11	0.3
(1,2421)	1:49:A:GLU:H	1:44:A:THR:HA	11	0.3
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG21	1	0.3
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG22	1	0.3
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG23	1	0.3
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG21	13	0.3
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG22	13	0.3
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG23	13	0.3
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	13	0.3
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	13	0.3
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	13	0.3
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	13	0.3
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	13	0.3
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2319)	1:53:A:GLU:H	1:51:A:THR:H	4	0.3
(1,2319)	1:53:A:GLU:H	1:51:A:THR:H	5	0.3
(1,2319)	1:53:A:GLU:H	1:51:A:THR:H	10	0.3
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD11	10	0.3
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD12	10	0.3
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD13	10	0.3
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD21	10	0.3
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD22	10	0.3
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD23	10	0.3
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD11	11	0.3
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD12	11	0.3
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD13	11	0.3
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD21	11	0.3
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD22	11	0.3
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD23	11	0.3
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD11	13	0.3
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD12	13	0.3
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD13	13	0.3
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD21	13	0.3
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD22	13	0.3
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD23	13	0.3
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	11	0.3
(1,2308)	1:51:A:THR:HB	1:44:A:THR:HA	11	0.3
(1,2297)	1:49:A:GLU:H	1:44:A:THR:HA	11	0.3
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG21	1	0.3
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG22	1	0.3
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG23	1	0.3
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG21	13	0.3
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG22	13	0.3
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG23	13	0.3
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	13	0.3
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	13	0.3
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	13	0.3
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	13	0.3
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	13	0.3
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	13	0.3
(1,2243)	1:103:A:GLU:H	1:102:A:LEU:HB3	10	0.3
(1,2229)	1:101:A:PRO:HD2	1:102:A:LEU:H	14	0.3
(1,2229)	1:101:A:PRO:HD3	1:102:A:LEU:H	14	0.3
(1,2188)	1:96:A:TYR:HB3	1:97:A:VAL:HA	1	0.3
(1,2188)	1:96:A:TYR:HB2	1:97:A:VAL:HA	1	0.3
(1,2188)	1:96:A:TYR:HB3	1:97:A:VAL:HA	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2188)	1:96:A:TYR:HB2	1:97:A:VAL:HA	13	0.3
(1,2188)	1:96:A:TYR:HB3	1:97:A:VAL:HA	15	0.3
(1,2188)	1:96:A:TYR:HB2	1:97:A:VAL:HA	15	0.3
(1,2156)	1:92:A:MET:HB2	1:93:A:LYS:H	6	0.3
(1,2156)	1:92:A:MET:HB2	1:93:A:LYS:H	15	0.3
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG2	1	0.3
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG3	1	0.3
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG2	2	0.3
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG3	2	0.3
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG2	6	0.3
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG3	6	0.3
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG2	9	0.3
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG3	9	0.3
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG2	11	0.3
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG3	11	0.3
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG2	15	0.3
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG3	15	0.3
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB1	2	0.3
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB2	2	0.3
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB3	2	0.3
(1,2119)	1:86:A:ARG:HG3	1:87:A:GLN:H	14	0.3
(1,2119)	1:86:A:ARG:HG2	1:87:A:GLN:H	14	0.3
(1,2111)	1:85:A:LEU:HB2	1:86:A:ARG:H	1	0.3
(1,2111)	1:85:A:LEU:HB3	1:86:A:ARG:H	1	0.3
(1,2111)	1:85:A:LEU:HB2	1:86:A:ARG:H	6	0.3
(1,2111)	1:85:A:LEU:HB3	1:86:A:ARG:H	6	0.3
(1,2111)	1:85:A:LEU:HB2	1:86:A:ARG:H	9	0.3
(1,2111)	1:85:A:LEU:HB3	1:86:A:ARG:H	9	0.3
(1,2111)	1:85:A:LEU:HB2	1:86:A:ARG:H	13	0.3
(1,2111)	1:85:A:LEU:HB3	1:86:A:ARG:H	13	0.3
(1,2111)	1:85:A:LEU:HB2	1:86:A:ARG:H	15	0.3
(1,2111)	1:85:A:LEU:HB3	1:86:A:ARG:H	15	0.3
(1,2096)	1:84:A:GLU:H	1:83:A:ASP:HB2	13	0.3
(1,2058)	1:81:A:SER:H	1:80:A:ALA:HB1	7	0.3
(1,2058)	1:81:A:SER:H	1:80:A:ALA:HB2	7	0.3
(1,2058)	1:81:A:SER:H	1:80:A:ALA:HB3	7	0.3
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB2	7	0.3
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB3	7	0.3
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD11	5	0.3
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD12	5	0.3
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD13	5	0.3
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD21	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD22	5	0.3
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD23	5	0.3
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD11	5	0.3
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD12	5	0.3
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD13	5	0.3
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD21	5	0.3
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD22	5	0.3
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD23	5	0.3
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE2	10	0.3
(1,1935)	1:66:A:VAL:H	1:65:A:LYS:HE3	10	0.3
(1,1900)	1:63:A:LEU:HG	1:62:A:SER:HB3	2	0.3
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD11	10	0.3
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD12	10	0.3
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD13	10	0.3
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD21	10	0.3
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD22	10	0.3
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD23	10	0.3
(1,1859)	1:54:A:LEU:H	1:53:A:GLU:HB2	11	0.3
(1,1859)	1:54:A:LEU:H	1:53:A:GLU:HB3	11	0.3
(1,1850)	1:52:A:GLN:H	1:51:A:THR:H	6	0.3
(1,1850)	1:52:A:GLN:H	1:51:A:THR:H	7	0.3
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG2	11	0.3
(1,1843)	1:51:A:THR:HA	1:52:A:GLN:HG3	11	0.3
(1,1839)	1:51:A:THR:HB	1:48:A:ASN:HA	13	0.3
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB1	9	0.3
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB2	9	0.3
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB3	9	0.3
(1,1738)	1:30:A:LYS:HG2	1:27:A:VAL:HA	2	0.3
(1,1738)	1:30:A:LYS:HG3	1:27:A:VAL:HA	2	0.3
(1,1718)	1:27:A:VAL:H	1:25:A:LEU:HA	1	0.3
(1,1718)	1:27:A:VAL:H	1:25:A:LEU:HA	3	0.3
(1,1718)	1:27:A:VAL:H	1:25:A:LEU:HA	6	0.3
(1,1718)	1:27:A:VAL:H	1:25:A:LEU:HA	7	0.3
(1,1718)	1:27:A:VAL:H	1:25:A:LEU:HA	9	0.3
(1,1718)	1:27:A:VAL:H	1:25:A:LEU:HA	10	0.3
(1,1718)	1:27:A:VAL:H	1:25:A:LEU:HA	14	0.3
(1,1718)	1:27:A:VAL:H	1:25:A:LEU:HA	15	0.3
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG21	4	0.3
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG22	4	0.3
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG23	4	0.3
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG21	6	0.3
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG22	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG23	6	0.3
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG21	7	0.3
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG22	7	0.3
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG23	7	0.3
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG21	8	0.3
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG22	8	0.3
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG23	8	0.3
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG21	9	0.3
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG22	9	0.3
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG23	9	0.3
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG21	10	0.3
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG22	10	0.3
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG23	10	0.3
(1,1684)	1:18:A:VAL:H	1:17:A:LEU:HG	5	0.3
(1,1671)	1:15:A:ILE:HA	1:19:A:VAL:H	11	0.3
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD11	12	0.3
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD12	12	0.3
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD13	12	0.3
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD21	12	0.3
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD22	12	0.3
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD23	12	0.3
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD21	11	0.3
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD22	11	0.3
(1,1649)	1:13:A:PHE:HD1	1:17:A:LEU:HD23	11	0.3
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD21	11	0.3
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD22	11	0.3
(1,1649)	1:13:A:PHE:HD2	1:17:A:LEU:HD23	11	0.3
(1,1643)	1:13:A:PHE:HB2	1:14:A:ILE:HB	9	0.3
(1,1643)	1:13:A:PHE:HB3	1:14:A:ILE:HB	9	0.3
(1,1626)	1:11:A:LEU:H	1:10:A:LEU:H	11	0.3
(1,1626)	1:11:A:LEU:H	1:10:A:LEU:H	12	0.3
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD1	12	0.3
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD2	12	0.3
(1,1586)	1:5:A:GLY:H	1:4:A:ILE:HG21	11	0.3
(1,1586)	1:5:A:GLY:H	1:4:A:ILE:HG22	11	0.3
(1,1586)	1:5:A:GLY:H	1:4:A:ILE:HG23	11	0.3
(1,1568)	1:3:A:ASP:HB2	1:4:A:ILE:H	14	0.3
(1,1387)	1:42:A:LEU:HD11	1:39:A:LEU:HA	9	0.3
(1,1387)	1:42:A:LEU:HD12	1:39:A:LEU:HA	9	0.3
(1,1387)	1:42:A:LEU:HD13	1:39:A:LEU:HA	9	0.3
(1,1387)	1:42:A:LEU:HD21	1:39:A:LEU:HA	9	0.3
(1,1387)	1:42:A:LEU:HD22	1:39:A:LEU:HA	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1387)	1:42:A:LEU:HD23	1:39:A:LEU:HA	9	0.3
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB1	12	0.3
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB2	12	0.3
(1,1370)	1:36:A:ILE:HG21	1:33:A:ALA:HB3	12	0.3
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB1	12	0.3
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB2	12	0.3
(1,1370)	1:36:A:ILE:HG22	1:33:A:ALA:HB3	12	0.3
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB1	12	0.3
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB2	12	0.3
(1,1370)	1:36:A:ILE:HG23	1:33:A:ALA:HB3	12	0.3
(1,1363)	1:35:A:TRP:HD1	1:36:A:ILE:H	9	0.3
(1,1363)	1:35:A:TRP:HD1	1:36:A:ILE:H	10	0.3
(1,1358)	1:35:A:TRP:HH2	1:36:A:ILE:HG13	4	0.3
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG21	1	0.3
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG22	1	0.3
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG23	1	0.3
(1,1321)	1:26:A:PRO:HB2	1:30:A:LYS:HG3	2	0.3
(1,1321)	1:26:A:PRO:HB3	1:30:A:LYS:HG3	2	0.3
(1,1321)	1:26:A:PRO:HB2	1:30:A:LYS:HG3	5	0.3
(1,1321)	1:26:A:PRO:HB3	1:30:A:LYS:HG3	5	0.3
(1,1321)	1:26:A:PRO:HB2	1:30:A:LYS:HG3	7	0.3
(1,1321)	1:26:A:PRO:HB3	1:30:A:LYS:HG3	7	0.3
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD11	9	0.3
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD12	9	0.3
(1,1265)	1:11:A:LEU:HA	1:14:A:ILE:HD13	9	0.3
(1,932)	1:9:A:LEU:HD11	1:13:A:PHE:HE1	12	0.3
(1,932)	1:9:A:LEU:HD11	1:13:A:PHE:HE2	12	0.3
(1,932)	1:9:A:LEU:HD12	1:13:A:PHE:HE1	12	0.3
(1,932)	1:9:A:LEU:HD12	1:13:A:PHE:HE2	12	0.3
(1,932)	1:9:A:LEU:HD13	1:13:A:PHE:HE1	12	0.3
(1,932)	1:9:A:LEU:HD13	1:13:A:PHE:HE2	12	0.3
(1,932)	1:9:A:LEU:HD21	1:13:A:PHE:HE1	12	0.3
(1,932)	1:9:A:LEU:HD21	1:13:A:PHE:HE2	12	0.3
(1,932)	1:9:A:LEU:HD22	1:13:A:PHE:HE1	12	0.3
(1,932)	1:9:A:LEU:HD22	1:13:A:PHE:HE2	12	0.3
(1,932)	1:9:A:LEU:HD23	1:13:A:PHE:HE1	12	0.3
(1,932)	1:9:A:LEU:HD23	1:13:A:PHE:HE2	12	0.3
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	1	0.3
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	1	0.3
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	1	0.3
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	1	0.3
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	1	0.3
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	1	0.3
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	1	0.3
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	1	0.3
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB1	1	0.3
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB2	1	0.3
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB3	1	0.3
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB1	1	0.3
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB2	1	0.3
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB3	1	0.3
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB1	1	0.3
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB2	1	0.3
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB3	1	0.3
(1,856)	1:101:A:PRO:HG2	1:102:A:LEU:HG	8	0.3
(1,856)	1:101:A:PRO:HG2	1:102:A:LEU:HG	10	0.3
(4,165)	1:91:A:SER:O	1:95:A:SER:N	11	0.29
(4,158)	1:84:A:GLU:O	1:88:A:ALA:N	8	0.29
(4,158)	1:84:A:GLU:O	1:88:A:ALA:N	13	0.29
(4,154)	1:80:A:ALA:O	1:84:A:GLU:N	1	0.29
(4,154)	1:80:A:ALA:O	1:84:A:GLU:N	2	0.29
(4,154)	1:80:A:ALA:O	1:84:A:GLU:N	10	0.29
(4,154)	1:80:A:ALA:O	1:84:A:GLU:N	12	0.29
(4,154)	1:80:A:ALA:O	1:84:A:GLU:N	14	0.29
(4,154)	1:80:A:ALA:O	1:84:A:GLU:N	15	0.29
(4,151)	1:77:A:GLU:O	1:81:A:SER:N	1	0.29
(4,151)	1:77:A:GLU:O	1:81:A:SER:N	2	0.29
(4,151)	1:77:A:GLU:O	1:81:A:SER:N	11	0.29
(4,150)	1:68:A:LYS:O	1:72:A:THR:N	14	0.29
(4,145)	1:63:A:LEU:O	1:67:A:GLU:N	4	0.29
(4,145)	1:63:A:LEU:O	1:67:A:GLU:N	13	0.29
(4,142)	1:60:A:GLN:O	1:64:A:LYS:N	11	0.29
(4,141)	1:59:A:PHE:O	1:63:A:LEU:N	6	0.29
(4,141)	1:59:A:PHE:O	1:63:A:LEU:N	8	0.29
(4,137)	1:42:A:LEU:O	1:46:A:VAL:N	3	0.29
(4,137)	1:42:A:LEU:O	1:46:A:VAL:N	15	0.29
(4,133)	1:38:A:ALA:O	1:42:A:LEU:N	1	0.29
(4,131)	1:36:A:ILE:O	1:40:A:ARG:N	7	0.29
(4,131)	1:36:A:ILE:O	1:40:A:ARG:N	10	0.29
(4,131)	1:36:A:ILE:O	1:40:A:ARG:N	15	0.29
(4,128)	1:33:A:ALA:O	1:37:A:ARG:N	4	0.29
(4,128)	1:33:A:ALA:O	1:37:A:ARG:N	5	0.29
(4,118)	1:14:A:ILE:O	1:18:A:VAL:N	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,118)	1:14:A:ILE:O	1:18:A:VAL:N	2	0.29
(4,118)	1:14:A:ILE:O	1:18:A:VAL:N	4	0.29
(4,118)	1:14:A:ILE:O	1:18:A:VAL:N	6	0.29
(4,118)	1:14:A:ILE:O	1:18:A:VAL:N	14	0.29
(4,118)	1:14:A:ILE:O	1:18:A:VAL:N	15	0.29
(4,112)	1:7:A:SER:O	1:11:A:LEU:N	10	0.29
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG21	10	0.29
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG22	10	0.29
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG23	10	0.29
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG21	10	0.29
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG22	10	0.29
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG23	10	0.29
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG21	10	0.29
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG22	10	0.29
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG23	10	0.29
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG21	10	0.29
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG22	10	0.29
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG23	10	0.29
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG21	10	0.29
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG22	10	0.29
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG23	10	0.29
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG21	10	0.29
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG22	10	0.29
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG23	10	0.29
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG21	10	0.29
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG22	10	0.29
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG23	10	0.29
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG21	10	0.29
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG22	10	0.29
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG23	10	0.29
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG21	10	0.29
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG22	10	0.29
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG23	10	0.29
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG21	10	0.29
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG22	10	0.29
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG23	10	0.29
(2,221)	1:96:A:TYR:HA	1:99:A:ASN:HB2	3	0.29
(2,221)	1:96:A:TYR:HA	1:99:A:ASN:HB3	3	0.29
(2,67)	1:57:A:GLN:HA	1:59:A:PHE:HD1	11	0.29
(2,67)	1:57:A:GLN:HA	1:59:A:PHE:HD2	11	0.29
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD11	6	0.29
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD12	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD13	6	0.29
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD21	6	0.29
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD22	6	0.29
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD23	6	0.29
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD11	1	0.29
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD12	1	0.29
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD13	1	0.29
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD21	1	0.29
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD22	1	0.29
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD23	1	0.29
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD11	14	0.29
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD12	14	0.29
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD13	14	0.29
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD21	14	0.29
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD22	14	0.29
(1,2811)	1:52:A:GLN:H	1:54:A:LEU:HD23	14	0.29
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG21	12	0.29
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG22	12	0.29
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG23	12	0.29
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD11	6	0.29
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD12	6	0.29
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD13	6	0.29
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD21	6	0.29
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD22	6	0.29
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD23	6	0.29
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD11	1	0.29
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD12	1	0.29
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD13	1	0.29
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD21	1	0.29
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD22	1	0.29
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD23	1	0.29
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD11	14	0.29
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD12	14	0.29
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD13	14	0.29
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD21	14	0.29
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD22	14	0.29
(1,2687)	1:52:A:GLN:H	1:54:A:LEU:HD23	14	0.29
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG21	12	0.29
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG22	12	0.29
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG23	12	0.29
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD11	6	0.29
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD12	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD13	6	0.29
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD21	6	0.29
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD22	6	0.29
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD23	6	0.29
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD11	1	0.29
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD12	1	0.29
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD13	1	0.29
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD21	1	0.29
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD22	1	0.29
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD23	1	0.29
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD11	14	0.29
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD12	14	0.29
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD13	14	0.29
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD21	14	0.29
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD22	14	0.29
(1,2563)	1:52:A:GLN:H	1:54:A:LEU:HD23	14	0.29
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG21	12	0.29
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG22	12	0.29
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG23	12	0.29
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD11	6	0.29
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD12	6	0.29
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD13	6	0.29
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD21	6	0.29
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD22	6	0.29
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD23	6	0.29
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD11	1	0.29
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD12	1	0.29
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD13	1	0.29
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD21	1	0.29
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD22	1	0.29
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD23	1	0.29
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD11	14	0.29
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD12	14	0.29
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD13	14	0.29
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD21	14	0.29
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD22	14	0.29
(1,2439)	1:52:A:GLN:H	1:54:A:LEU:HD23	14	0.29
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG21	12	0.29
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG22	12	0.29
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG23	12	0.29
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD11	6	0.29
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD12	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD13	6	0.29
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD21	6	0.29
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD22	6	0.29
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD23	6	0.29
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD11	1	0.29
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD12	1	0.29
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD13	1	0.29
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD21	1	0.29
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD22	1	0.29
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD23	1	0.29
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD11	14	0.29
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD12	14	0.29
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD13	14	0.29
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD21	14	0.29
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD22	14	0.29
(1,2315)	1:52:A:GLN:H	1:54:A:LEU:HD23	14	0.29
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG21	12	0.29
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG22	12	0.29
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG23	12	0.29
(1,2243)	1:103:A:GLU:H	1:102:A:LEU:HB3	8	0.29
(1,2229)	1:101:A:PRO:HD2	1:102:A:LEU:H	7	0.29
(1,2229)	1:101:A:PRO:HD3	1:102:A:LEU:H	7	0.29
(1,2229)	1:101:A:PRO:HD2	1:102:A:LEU:H	10	0.29
(1,2229)	1:101:A:PRO:HD3	1:102:A:LEU:H	10	0.29
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB1	10	0.29
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB2	10	0.29
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB3	10	0.29
(1,2219)	1:99:A:ASN:HB3	1:98:A:ALA:HB1	4	0.29
(1,2219)	1:99:A:ASN:HB3	1:98:A:ALA:HB2	4	0.29
(1,2219)	1:99:A:ASN:HB3	1:98:A:ALA:HB3	4	0.29
(1,2219)	1:99:A:ASN:HB2	1:98:A:ALA:HB1	4	0.29
(1,2219)	1:99:A:ASN:HB2	1:98:A:ALA:HB2	4	0.29
(1,2219)	1:99:A:ASN:HB2	1:98:A:ALA:HB3	4	0.29
(1,2174)	1:94:A:ARG:HB2	1:95:A:SER:H	3	0.29
(1,2174)	1:94:A:ARG:HB3	1:95:A:SER:H	3	0.29
(1,2173)	1:94:A:ARG:HG2	1:95:A:SER:H	13	0.29
(1,2166)	1:94:A:ARG:HB2	1:91:A:SER:HA	1	0.29
(1,2166)	1:94:A:ARG:HB3	1:91:A:SER:HA	1	0.29
(1,2156)	1:92:A:MET:HB2	1:93:A:LYS:H	1	0.29
(1,2156)	1:92:A:MET:HB2	1:93:A:LYS:H	12	0.29
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB2	8	0.29
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB3	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB2	12	0.29
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB3	12	0.29
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB2	13	0.29
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB3	13	0.29
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB2	15	0.29
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB3	15	0.29
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE1	13	0.29
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE2	13	0.29
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE3	13	0.29
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG2	12	0.29
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG3	12	0.29
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG2	13	0.29
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG3	13	0.29
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG2	14	0.29
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG3	14	0.29
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB1	7	0.29
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB2	7	0.29
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB3	7	0.29
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB1	11	0.29
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB2	11	0.29
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB3	11	0.29
(1,2021)	1:76:A:PRO:HA	1:80:A:ALA:H	12	0.29
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD11	7	0.29
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD12	7	0.29
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD13	7	0.29
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD21	7	0.29
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD22	7	0.29
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD23	7	0.29
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD11	7	0.29
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD12	7	0.29
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD13	7	0.29
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD21	7	0.29
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD22	7	0.29
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD23	7	0.29
(1,1996)	1:73:A:ASN:HB2	1:74:A:LEU:HA	3	0.29
(1,1996)	1:73:A:ASN:HB3	1:74:A:LEU:HA	3	0.29
(1,1996)	1:73:A:ASN:HB2	1:74:A:LEU:HA	9	0.29
(1,1996)	1:73:A:ASN:HB3	1:74:A:LEU:HA	9	0.29
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB2	10	0.29
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB3	10	0.29
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB2	11	0.29
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB3	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1958)	1:69:A:ALA:H	1:65:A:LYS:HE2	2	0.29
(1,1958)	1:69:A:ALA:H	1:65:A:LYS:HE3	2	0.29
(1,1954)	1:68:A:LYS:H	1:67:A:GLU:HB2	12	0.29
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB1	2	0.29
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB2	2	0.29
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB3	2	0.29
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD11	8	0.29
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD12	8	0.29
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD13	8	0.29
(1,1859)	1:54:A:LEU:H	1:53:A:GLU:HB2	12	0.29
(1,1859)	1:54:A:LEU:H	1:53:A:GLU:HB3	12	0.29
(1,1850)	1:52:A:GLN:H	1:51:A:THR:H	3	0.29
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG21	2	0.29
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG22	2	0.29
(1,1849)	1:52:A:GLN:HG2	1:51:A:THR:HG23	2	0.29
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG21	2	0.29
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG22	2	0.29
(1,1849)	1:52:A:GLN:HG3	1:51:A:THR:HG23	2	0.29
(1,1839)	1:51:A:THR:HB	1:48:A:ASN:HA	12	0.29
(1,1829)	1:47:A:GLN:HB2	1:48:A:ASN:H	15	0.29
(1,1829)	1:47:A:GLN:HB3	1:48:A:ASN:H	15	0.29
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG11	12	0.29
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG12	12	0.29
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG13	12	0.29
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG21	12	0.29
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG22	12	0.29
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG23	12	0.29
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB1	8	0.29
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB2	8	0.29
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB3	8	0.29
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB1	6	0.29
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB2	6	0.29
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB3	6	0.29
(1,1737)	1:29:A:VAL:HA	1:33:A:ALA:H	12	0.29
(1,1718)	1:27:A:VAL:H	1:25:A:LEU:HA	4	0.29
(1,1718)	1:27:A:VAL:H	1:25:A:LEU:HA	5	0.29
(1,1718)	1:27:A:VAL:H	1:25:A:LEU:HA	8	0.29
(1,1718)	1:27:A:VAL:H	1:25:A:LEU:HA	11	0.29
(1,1718)	1:27:A:VAL:H	1:25:A:LEU:HA	13	0.29
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG21	5	0.29
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG22	5	0.29
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG23	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG21	14	0.29
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG22	14	0.29
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG23	14	0.29
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG21	15	0.29
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG22	15	0.29
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG23	15	0.29
(1,1684)	1:18:A:VAL:H	1:17:A:LEU:HG	3	0.29
(1,1684)	1:18:A:VAL:H	1:17:A:LEU:HG	4	0.29
(1,1684)	1:18:A:VAL:H	1:17:A:LEU:HG	6	0.29
(1,1684)	1:18:A:VAL:H	1:17:A:LEU:HG	7	0.29
(1,1684)	1:18:A:VAL:H	1:17:A:LEU:HG	10	0.29
(1,1684)	1:18:A:VAL:H	1:17:A:LEU:HG	14	0.29
(1,1684)	1:18:A:VAL:H	1:17:A:LEU:HG	15	0.29
(1,1665)	1:15:A:ILE:HB	1:16:A:GLY:H	2	0.29
(1,1665)	1:15:A:ILE:HB	1:16:A:GLY:H	9	0.29
(1,1658)	1:14:A:ILE:HB	1:15:A:ILE:H	1	0.29
(1,1658)	1:14:A:ILE:HB	1:15:A:ILE:H	2	0.29
(1,1657)	1:14:A:ILE:H	1:13:A:PHE:HB2	12	0.29
(1,1657)	1:14:A:ILE:H	1:13:A:PHE:HB3	12	0.29
(1,1624)	1:10:A:LEU:HA	1:13:A:PHE:HB2	10	0.29
(1,1624)	1:10:A:LEU:HA	1:13:A:PHE:HB3	10	0.29
(1,1590)	1:6:A:PHE:HB3	1:5:A:GLY:HA3	11	0.29
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD11	1	0.29
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD12	1	0.29
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD13	1	0.29
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD11	1	0.29
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD12	1	0.29
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD13	1	0.29
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD11	2	0.29
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD12	2	0.29
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD13	2	0.29
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD11	2	0.29
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD12	2	0.29
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD13	2	0.29
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD11	8	0.29
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD12	8	0.29
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD13	8	0.29
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD11	8	0.29
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD12	8	0.29
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD13	8	0.29
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD11	9	0.29
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD12	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD13	9	0.29
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD11	9	0.29
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD12	9	0.29
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD13	9	0.29
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD11	10	0.29
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD12	10	0.29
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD13	10	0.29
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD11	10	0.29
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD12	10	0.29
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD13	10	0.29
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD11	14	0.29
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD12	14	0.29
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD13	14	0.29
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD11	14	0.29
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD12	14	0.29
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD13	14	0.29
(1,1363)	1:35:A:TRP:HD1	1:36:A:ILE:H	7	0.29
(1,1321)	1:26:A:PRO:HB2	1:30:A:LYS:HG3	3	0.29
(1,1321)	1:26:A:PRO:HB3	1:30:A:LYS:HG3	3	0.29
(1,1321)	1:26:A:PRO:HB2	1:30:A:LYS:HG3	8	0.29
(1,1321)	1:26:A:PRO:HB3	1:30:A:LYS:HG3	8	0.29
(1,1321)	1:26:A:PRO:HB2	1:30:A:LYS:HG3	9	0.29
(1,1321)	1:26:A:PRO:HB3	1:30:A:LYS:HG3	9	0.29
(1,1321)	1:26:A:PRO:HB2	1:30:A:LYS:HG3	10	0.29
(1,1321)	1:26:A:PRO:HB3	1:30:A:LYS:HG3	10	0.29
(1,863)	1:103:A:GLU:H	1:100:A:ASP:H	3	0.29
(1,593)	1:68:A:LYS:H	1:66:A:VAL:HA	3	0.29
(1,197)	1:99:A:ASN:H	1:97:A:VAL:HG21	3	0.29
(1,197)	1:99:A:ASN:H	1:97:A:VAL:HG22	3	0.29
(1,197)	1:99:A:ASN:H	1:97:A:VAL:HG23	3	0.29
(4,165)	1:91:A:SER:O	1:95:A:SER:N	1	0.28
(4,165)	1:91:A:SER:O	1:95:A:SER:N	12	0.28
(4,158)	1:84:A:GLU:O	1:88:A:ALA:N	1	0.28
(4,158)	1:84:A:GLU:O	1:88:A:ALA:N	3	0.28
(4,158)	1:84:A:GLU:O	1:88:A:ALA:N	5	0.28
(4,158)	1:84:A:GLU:O	1:88:A:ALA:N	11	0.28
(4,158)	1:84:A:GLU:O	1:88:A:ALA:N	15	0.28
(4,154)	1:80:A:ALA:O	1:84:A:GLU:N	4	0.28
(4,154)	1:80:A:ALA:O	1:84:A:GLU:N	5	0.28
(4,154)	1:80:A:ALA:O	1:84:A:GLU:N	6	0.28
(4,154)	1:80:A:ALA:O	1:84:A:GLU:N	11	0.28
(4,153)	1:79:A:LYS:O	1:83:A:ASP:N	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,150)	1:68:A:LYS:O	1:72:A:THR:N	4	0.28
(4,146)	1:64:A:LYS:O	1:68:A:LYS:N	2	0.28
(4,146)	1:64:A:LYS:O	1:68:A:LYS:N	12	0.28
(4,145)	1:63:A:LEU:O	1:67:A:GLU:N	9	0.28
(4,142)	1:60:A:GLN:O	1:64:A:LYS:N	9	0.28
(4,142)	1:60:A:GLN:O	1:64:A:LYS:N	13	0.28
(4,141)	1:59:A:PHE:O	1:63:A:LEU:N	4	0.28
(4,137)	1:42:A:LEU:O	1:46:A:VAL:N	2	0.28
(4,137)	1:42:A:LEU:O	1:46:A:VAL:N	8	0.28
(4,137)	1:42:A:LEU:O	1:46:A:VAL:N	9	0.28
(4,133)	1:38:A:ALA:O	1:42:A:LEU:N	4	0.28
(4,132)	1:37:A:ARG:O	1:41:A:SER:N	3	0.28
(4,131)	1:36:A:ILE:O	1:40:A:ARG:N	8	0.28
(4,131)	1:36:A:ILE:O	1:40:A:ARG:N	9	0.28
(4,131)	1:36:A:ILE:O	1:40:A:ARG:N	12	0.28
(4,131)	1:36:A:ILE:O	1:40:A:ARG:N	14	0.28
(4,118)	1:14:A:ILE:O	1:18:A:VAL:N	5	0.28
(4,118)	1:14:A:ILE:O	1:18:A:VAL:N	10	0.28
(4,53)	1:42:A:LEU:O	1:46:A:VAL:H	5	0.28
(4,37)	1:34:A:GLY:O	1:38:A:ALA:H	6	0.28
(1,2815)	1:53:A:GLU:H	1:51:A:THR:H	11	0.28
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB2	10	0.28
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB3	10	0.28
(1,2797)	1:49:A:GLU:HA	1:52:A:GLN:HG2	11	0.28
(1,2797)	1:49:A:GLU:HA	1:52:A:GLN:HG3	11	0.28
(1,2691)	1:53:A:GLU:H	1:51:A:THR:H	11	0.28
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB2	10	0.28
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB3	10	0.28
(1,2673)	1:49:A:GLU:HA	1:52:A:GLN:HG2	11	0.28
(1,2673)	1:49:A:GLU:HA	1:52:A:GLN:HG3	11	0.28
(1,2567)	1:53:A:GLU:H	1:51:A:THR:H	11	0.28
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB2	10	0.28
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB3	10	0.28
(1,2549)	1:49:A:GLU:HA	1:52:A:GLN:HG2	11	0.28
(1,2549)	1:49:A:GLU:HA	1:52:A:GLN:HG3	11	0.28
(1,2443)	1:53:A:GLU:H	1:51:A:THR:H	11	0.28
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB2	10	0.28
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB3	10	0.28
(1,2425)	1:49:A:GLU:HA	1:52:A:GLN:HG2	11	0.28
(1,2425)	1:49:A:GLU:HA	1:52:A:GLN:HG3	11	0.28
(1,2319)	1:53:A:GLU:H	1:51:A:THR:H	11	0.28
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB2	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB3	10	0.28
(1,2301)	1:49:A:GLU:HA	1:52:A:GLN:HG2	11	0.28
(1,2301)	1:49:A:GLU:HA	1:52:A:GLN:HG3	11	0.28
(1,2229)	1:101:A:PRO:HD2	1:102:A:LEU:H	5	0.28
(1,2229)	1:101:A:PRO:HD3	1:102:A:LEU:H	5	0.28
(1,2229)	1:101:A:PRO:HD2	1:102:A:LEU:H	6	0.28
(1,2229)	1:101:A:PRO:HD3	1:102:A:LEU:H	6	0.28
(1,2229)	1:101:A:PRO:HD2	1:102:A:LEU:H	9	0.28
(1,2229)	1:101:A:PRO:HD3	1:102:A:LEU:H	9	0.28
(1,2188)	1:96:A:TYR:HB3	1:97:A:VAL:HA	4	0.28
(1,2188)	1:96:A:TYR:HB2	1:97:A:VAL:HA	4	0.28
(1,2174)	1:94:A:ARG:HB2	1:95:A:SER:H	8	0.28
(1,2174)	1:94:A:ARG:HB3	1:95:A:SER:H	8	0.28
(1,2166)	1:94:A:ARG:HB2	1:91:A:SER:HA	14	0.28
(1,2166)	1:94:A:ARG:HB3	1:91:A:SER:HA	14	0.28
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB2	3	0.28
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB3	3	0.28
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB2	6	0.28
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB3	6	0.28
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB2	7	0.28
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB3	7	0.28
(1,2141)	1:89:A:ALA:HA	1:92:A:MET:HG2	2	0.28
(1,2141)	1:89:A:ALA:HA	1:92:A:MET:HG3	2	0.28
(1,2141)	1:89:A:ALA:HA	1:92:A:MET:HG2	9	0.28
(1,2141)	1:89:A:ALA:HA	1:92:A:MET:HG3	9	0.28
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE1	5	0.28
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE2	5	0.28
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE3	5	0.28
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG2	8	0.28
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG3	8	0.28
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB1	4	0.28
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB2	4	0.28
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB3	4	0.28
(1,2096)	1:84:A:GLU:H	1:83:A:ASP:HB2	9	0.28
(1,2076)	1:83:A:ASP:H	1:79:A:LYS:HA	15	0.28
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE1	7	0.28
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE2	7	0.28
(1,2060)	1:81:A:SER:H	1:82:A:MET:HE3	7	0.28
(1,2021)	1:76:A:PRO:HA	1:80:A:ALA:H	10	0.28
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG21	7	0.28
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG22	7	0.28
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG23	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG21	7	0.28
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG22	7	0.28
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG23	7	0.28
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG21	12	0.28
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG22	12	0.28
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG23	12	0.28
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG21	12	0.28
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG22	12	0.28
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG23	12	0.28
(1,2007)	1:75:A:THR:H	1:71:A:LEU:HA	6	0.28
(1,2007)	1:75:A:THR:H	1:71:A:LEU:HA	8	0.28
(1,1996)	1:73:A:ASN:HB2	1:74:A:LEU:HA	13	0.28
(1,1996)	1:73:A:ASN:HB3	1:74:A:LEU:HA	13	0.28
(1,1954)	1:68:A:LYS:H	1:67:A:GLU:HB2	2	0.28
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD11	15	0.28
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD12	15	0.28
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD13	15	0.28
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB1	13	0.28
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB2	13	0.28
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB3	13	0.28
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG2	14	0.28
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG3	14	0.28
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD2	3	0.28
(1,1925)	1:65:A:LYS:H	1:64:A:LYS:HD3	3	0.28
(1,1916)	1:65:A:LYS:H	1:61:A:ASP:HA	13	0.28
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB2	2	0.28
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB3	2	0.28
(1,1909)	1:64:A:LYS:H	1:62:A:SER:HA	9	0.28
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD1	12	0.28
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD2	12	0.28
(1,1894)	1:63:A:LEU:HG	1:59:A:PHE:HD1	2	0.28
(1,1894)	1:63:A:LEU:HG	1:59:A:PHE:HD2	2	0.28
(1,1879)	1:61:A:ASP:HB2	1:58:A:GLU:HA	6	0.28
(1,1879)	1:61:A:ASP:HB3	1:58:A:GLU:HA	6	0.28
(1,1859)	1:54:A:LEU:H	1:53:A:GLU:HB2	14	0.28
(1,1859)	1:54:A:LEU:H	1:53:A:GLU:HB3	14	0.28
(1,1850)	1:52:A:GLN:H	1:51:A:THR:H	4	0.28
(1,1822)	1:46:A:VAL:H	1:47:A:GLN:H	7	0.28
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB1	9	0.28
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB2	9	0.28
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB3	9	0.28
(1,1796)	1:43:A:ALA:H	1:42:A:LEU:H	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1737)	1:29:A:VAL:HA	1:33:A:ALA:H	5	0.28
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG21	11	0.28
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG22	11	0.28
(1,1714)	1:25:A:LEU:HA	1:27:A:VAL:HG23	11	0.28
(1,1684)	1:18:A:VAL:H	1:17:A:LEU:HG	1	0.28
(1,1684)	1:18:A:VAL:H	1:17:A:LEU:HG	8	0.28
(1,1624)	1:10:A:LEU:HA	1:13:A:PHE:HB2	2	0.28
(1,1624)	1:10:A:LEU:HA	1:13:A:PHE:HB3	2	0.28
(1,1590)	1:6:A:PHE:HB3	1:5:A:GLY:HA3	12	0.28
(1,1563)	1:3:A:ASP:HB3	1:3:A:ASP:HA	3	0.28
(1,1563)	1:3:A:ASP:HB3	1:3:A:ASP:HA	9	0.28
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD11	3	0.28
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD12	3	0.28
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD13	3	0.28
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD11	3	0.28
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD12	3	0.28
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD13	3	0.28
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD11	4	0.28
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD12	4	0.28
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD13	4	0.28
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD11	4	0.28
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD12	4	0.28
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD13	4	0.28
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD11	6	0.28
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD12	6	0.28
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD13	6	0.28
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD11	6	0.28
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD12	6	0.28
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD13	6	0.28
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG11	13	0.28
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG12	13	0.28
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG13	13	0.28
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG21	13	0.28
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG22	13	0.28
(1,1262)	1:11:A:LEU:H	1:12:A:VAL:HG23	13	0.28
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	3	0.28
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	3	0.28
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	3	0.28
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	3	0.28
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	3	0.28
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	3	0.28
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	3	0.28
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	3	0.28
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB1	3	0.28
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB2	3	0.28
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB3	3	0.28
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB1	3	0.28
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB2	3	0.28
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB3	3	0.28
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB1	3	0.28
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB2	3	0.28
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB3	3	0.28
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	4	0.28
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	4	0.28
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	4	0.28
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	4	0.28
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	4	0.28
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	4	0.28
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	4	0.28
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	4	0.28
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	4	0.28
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB1	4	0.28
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB2	4	0.28
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB3	4	0.28
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB1	4	0.28
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB2	4	0.28
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB3	4	0.28
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB1	4	0.28
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB2	4	0.28
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB3	4	0.28
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	8	0.28
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	8	0.28
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	8	0.28
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	8	0.28
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	8	0.28
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	8	0.28
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	8	0.28
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	8	0.28
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	8	0.28
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB1	8	0.28
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB2	8	0.28
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB3	8	0.28
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB1	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB2	8	0.28
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB3	8	0.28
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB1	8	0.28
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB2	8	0.28
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB3	8	0.28
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	10	0.28
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	10	0.28
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	10	0.28
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	10	0.28
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	10	0.28
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	10	0.28
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	10	0.28
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	10	0.28
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	10	0.28
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB1	10	0.28
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB2	10	0.28
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB3	10	0.28
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB1	10	0.28
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB2	10	0.28
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB3	10	0.28
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB1	10	0.28
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB2	10	0.28
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB3	10	0.28
(4,165)	1:91:A:SER:O	1:95:A:SER:N	5	0.27
(4,165)	1:91:A:SER:O	1:95:A:SER:N	15	0.27
(4,158)	1:84:A:GLU:O	1:88:A:ALA:N	2	0.27
(4,158)	1:84:A:GLU:O	1:88:A:ALA:N	4	0.27
(4,158)	1:84:A:GLU:O	1:88:A:ALA:N	6	0.27
(4,158)	1:84:A:GLU:O	1:88:A:ALA:N	9	0.27
(4,158)	1:84:A:GLU:O	1:88:A:ALA:N	10	0.27
(4,154)	1:80:A:ALA:O	1:84:A:GLU:N	3	0.27
(4,154)	1:80:A:ALA:O	1:84:A:GLU:N	9	0.27
(4,154)	1:80:A:ALA:O	1:84:A:GLU:N	13	0.27
(4,147)	1:65:A:LYS:O	1:69:A:ALA:N	8	0.27
(4,146)	1:64:A:LYS:O	1:68:A:LYS:N	1	0.27
(4,142)	1:60:A:GLN:O	1:64:A:LYS:N	1	0.27
(4,141)	1:59:A:PHE:O	1:63:A:LEU:N	3	0.27
(4,134)	1:39:A:LEU:O	1:43:A:ALA:N	3	0.27
(4,133)	1:38:A:ALA:O	1:42:A:LEU:N	15	0.27
(4,131)	1:36:A:ILE:O	1:40:A:ARG:N	13	0.27
(4,128)	1:33:A:ALA:O	1:37:A:ARG:N	1	0.27
(4,128)	1:33:A:ALA:O	1:37:A:ARG:N	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,124)	1:29:A:VAL:O	1:33:A:ALA:N	8	0.27
(4,124)	1:29:A:VAL:O	1:33:A:ALA:N	13	0.27
(4,124)	1:29:A:VAL:O	1:33:A:ALA:N	15	0.27
(4,122)	1:27:A:VAL:O	1:31:A:THR:N	13	0.27
(4,121)	1:26:A:PRO:O	1:30:A:LYS:N	12	0.27
(4,117)	1:12:A:VAL:O	1:16:A:GLY:N	9	0.27
(4,113)	1:8:A:GLU:O	1:12:A:VAL:N	12	0.27
(4,112)	1:7:A:SER:O	1:11:A:LEU:N	1	0.27
(4,112)	1:7:A:SER:O	1:11:A:LEU:N	14	0.27
(4,111)	1:6:A:PHE:O	1:10:A:LEU:N	4	0.27
(4,111)	1:6:A:PHE:O	1:10:A:LEU:N	6	0.27
(4,111)	1:6:A:PHE:O	1:10:A:LEU:N	14	0.27
(4,37)	1:34:A:GLY:O	1:38:A:ALA:H	3	0.27
(4,37)	1:34:A:GLY:O	1:38:A:ALA:H	7	0.27
(4,37)	1:34:A:GLY:O	1:38:A:ALA:H	9	0.27
(4,37)	1:34:A:GLY:O	1:38:A:ALA:H	10	0.27
(2,595)	1:49:A:GLU:HA	1:54:A:LEU:H	10	0.27
(2,520)	1:49:A:GLU:HA	1:54:A:LEU:H	10	0.27
(2,445)	1:49:A:GLU:HA	1:54:A:LEU:H	10	0.27
(2,370)	1:49:A:GLU:HA	1:54:A:LEU:H	10	0.27
(2,295)	1:49:A:GLU:HA	1:54:A:LEU:H	10	0.27
(2,266)	1:74:A:LEU:HB2	1:73:A:ASN:HB3	4	0.27
(2,266)	1:74:A:LEU:HB2	1:73:A:ASN:HB3	14	0.27
(2,230)	1:101:A:PRO:HD2	1:98:A:ALA:HB1	5	0.27
(2,230)	1:101:A:PRO:HD2	1:98:A:ALA:HB2	5	0.27
(2,230)	1:101:A:PRO:HD2	1:98:A:ALA:HB3	5	0.27
(2,230)	1:101:A:PRO:HD3	1:98:A:ALA:HB1	5	0.27
(2,230)	1:101:A:PRO:HD3	1:98:A:ALA:HB2	5	0.27
(2,230)	1:101:A:PRO:HD3	1:98:A:ALA:HB3	5	0.27
(2,116)	1:6:A:PHE:HE1	1:4:A:ILE:HA	7	0.27
(2,116)	1:6:A:PHE:HE2	1:4:A:ILE:HA	7	0.27
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD11	8	0.27
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD12	8	0.27
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD13	8	0.27
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD21	8	0.27
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD22	8	0.27
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD23	8	0.27
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD21	9	0.27
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD22	9	0.27
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD23	9	0.27
(1,2783)	1:48:A:ASN:HB2	1:45:A:THR:HG21	5	0.27
(1,2783)	1:48:A:ASN:HB2	1:45:A:THR:HG22	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2783)	1:48:A:ASN:HB2	1:45:A:THR:HG23	5	0.27
(1,2783)	1:48:A:ASN:HB3	1:45:A:THR:HG21	5	0.27
(1,2783)	1:48:A:ASN:HB3	1:45:A:THR:HG22	5	0.27
(1,2783)	1:48:A:ASN:HB3	1:45:A:THR:HG23	5	0.27
(1,2778)	1:45:A:THR:HA	1:49:A:GLU:H	13	0.27
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD21	9	0.27
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD22	9	0.27
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD23	9	0.27
(1,2659)	1:48:A:ASN:HB2	1:45:A:THR:HG21	5	0.27
(1,2659)	1:48:A:ASN:HB2	1:45:A:THR:HG22	5	0.27
(1,2659)	1:48:A:ASN:HB2	1:45:A:THR:HG23	5	0.27
(1,2659)	1:48:A:ASN:HB3	1:45:A:THR:HG21	5	0.27
(1,2659)	1:48:A:ASN:HB3	1:45:A:THR:HG22	5	0.27
(1,2659)	1:48:A:ASN:HB3	1:45:A:THR:HG23	5	0.27
(1,2654)	1:45:A:THR:HA	1:49:A:GLU:H	13	0.27
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD21	9	0.27
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD22	9	0.27
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD23	9	0.27
(1,2535)	1:48:A:ASN:HB2	1:45:A:THR:HG21	5	0.27
(1,2535)	1:48:A:ASN:HB2	1:45:A:THR:HG22	5	0.27
(1,2535)	1:48:A:ASN:HB2	1:45:A:THR:HG23	5	0.27
(1,2535)	1:48:A:ASN:HB3	1:45:A:THR:HG21	5	0.27
(1,2535)	1:48:A:ASN:HB3	1:45:A:THR:HG22	5	0.27
(1,2535)	1:48:A:ASN:HB3	1:45:A:THR:HG23	5	0.27
(1,2530)	1:45:A:THR:HA	1:49:A:GLU:H	13	0.27
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD21	9	0.27
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD22	9	0.27
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD23	9	0.27
(1,2411)	1:48:A:ASN:HB2	1:45:A:THR:HG21	5	0.27
(1,2411)	1:48:A:ASN:HB2	1:45:A:THR:HG22	5	0.27
(1,2411)	1:48:A:ASN:HB2	1:45:A:THR:HG23	5	0.27
(1,2411)	1:48:A:ASN:HB3	1:45:A:THR:HG21	5	0.27
(1,2411)	1:48:A:ASN:HB3	1:45:A:THR:HG22	5	0.27
(1,2411)	1:48:A:ASN:HB3	1:45:A:THR:HG23	5	0.27
(1,2406)	1:45:A:THR:HA	1:49:A:GLU:H	13	0.27
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD21	9	0.27
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD22	9	0.27
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD23	9	0.27
(1,2287)	1:48:A:ASN:HB2	1:45:A:THR:HG21	5	0.27
(1,2287)	1:48:A:ASN:HB2	1:45:A:THR:HG22	5	0.27
(1,2287)	1:48:A:ASN:HB2	1:45:A:THR:HG23	5	0.27
(1,2287)	1:48:A:ASN:HB3	1:45:A:THR:HG21	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2287)	1:48:A:ASN:HB3	1:45:A:THR:HG22	5	0.27
(1,2287)	1:48:A:ASN:HB3	1:45:A:THR:HG23	5	0.27
(1,2282)	1:45:A:THR:HA	1:49:A:GLU:H	13	0.27
(1,2227)	1:101:A:PRO:HG2	1:100:A:ASP:HA	4	0.27
(1,2227)	1:101:A:PRO:HG3	1:100:A:ASP:HA	4	0.27
(1,2174)	1:94:A:ARG:HB2	1:95:A:SER:H	11	0.27
(1,2174)	1:94:A:ARG:HB3	1:95:A:SER:H	11	0.27
(1,2156)	1:92:A:MET:HB2	1:93:A:LYS:H	14	0.27
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB2	1	0.27
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB3	1	0.27
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB2	14	0.27
(1,2150)	1:91:A:SER:HA	1:90:A:GLU:HB3	14	0.27
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB1	9	0.27
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB2	9	0.27
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB3	9	0.27
(1,2096)	1:84:A:GLU:H	1:83:A:ASP:HB2	6	0.27
(1,2096)	1:84:A:GLU:H	1:83:A:ASP:HB2	15	0.27
(1,2029)	1:77:A:GLU:H	1:78:A:LEU:H	4	0.27
(1,2029)	1:77:A:GLU:H	1:78:A:LEU:H	14	0.27
(1,2021)	1:76:A:PRO:HA	1:80:A:ALA:H	11	0.27
(1,2019)	1:76:A:PRO:HA	1:79:A:LYS:HG2	12	0.27
(1,2019)	1:76:A:PRO:HA	1:79:A:LYS:HG3	12	0.27
(1,1986)	1:73:A:ASN:H	1:72:A:THR:HB	4	0.27
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG21	4	0.27
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG22	4	0.27
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG23	4	0.27
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG21	14	0.27
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG22	14	0.27
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG23	14	0.27
(1,1954)	1:68:A:LYS:H	1:67:A:GLU:HB2	10	0.27
(1,1916)	1:65:A:LYS:H	1:61:A:ASP:HA	1	0.27
(1,1879)	1:61:A:ASP:HB2	1:58:A:GLU:HA	11	0.27
(1,1879)	1:61:A:ASP:HB3	1:58:A:GLU:HA	11	0.27
(1,1850)	1:52:A:GLN:H	1:51:A:THR:H	5	0.27
(1,1836)	1:48:A:ASN:HA	1:52:A:GLN:HE21	8	0.27
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG11	1	0.27
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG12	1	0.27
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG13	1	0.27
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG21	1	0.27
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG22	1	0.27
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG23	1	0.27
(1,1823)	1:46:A:VAL:HA	1:48:A:ASN:H	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1787)	1:42:A:LEU:HD11	1:43:A:ALA:H	11	0.27
(1,1787)	1:42:A:LEU:HD12	1:43:A:ALA:H	11	0.27
(1,1787)	1:42:A:LEU:HD13	1:43:A:ALA:H	11	0.27
(1,1787)	1:42:A:LEU:HD21	1:43:A:ALA:H	11	0.27
(1,1787)	1:42:A:LEU:HD22	1:43:A:ALA:H	11	0.27
(1,1787)	1:42:A:LEU:HD23	1:43:A:ALA:H	11	0.27
(1,1782)	1:40:A:ARG:HG3	1:44:A:THR:HB	8	0.27
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB1	1	0.27
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB2	1	0.27
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB3	1	0.27
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB1	12	0.27
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB2	12	0.27
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB3	12	0.27
(1,1737)	1:29:A:VAL:HA	1:33:A:ALA:H	8	0.27
(1,1718)	1:27:A:VAL:H	1:25:A:LEU:HA	2	0.27
(1,1691)	1:20:A:LEU:H	1:19:A:VAL:HB	13	0.27
(1,1663)	1:15:A:ILE:HB	1:12:A:VAL:HA	3	0.27
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD1	8	0.27
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD2	8	0.27
(1,1587)	1:6:A:PHE:H	1:4:A:ILE:HA	11	0.27
(1,1563)	1:3:A:ASP:HB3	1:3:A:ASP:HA	1	0.27
(1,1563)	1:3:A:ASP:HB3	1:3:A:ASP:HA	2	0.27
(1,1563)	1:3:A:ASP:HB3	1:3:A:ASP:HA	5	0.27
(1,1563)	1:3:A:ASP:HB3	1:3:A:ASP:HA	8	0.27
(1,1563)	1:3:A:ASP:HB3	1:3:A:ASP:HA	10	0.27
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG21	1	0.27
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG22	1	0.27
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG23	1	0.27
(1,1363)	1:35:A:TRP:HD1	1:36:A:ILE:H	1	0.27
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	5	0.27
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	5	0.27
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	5	0.27
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	5	0.27
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	5	0.27
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	5	0.27
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	5	0.27
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	5	0.27
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	5	0.27
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB1	5	0.27
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB2	5	0.27
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB3	5	0.27
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB1	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB2	5	0.27
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB3	5	0.27
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB1	5	0.27
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB2	5	0.27
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB3	5	0.27
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	12	0.27
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	12	0.27
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	12	0.27
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	12	0.27
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	12	0.27
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	12	0.27
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	12	0.27
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	12	0.27
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	12	0.27
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB1	12	0.27
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB2	12	0.27
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB3	12	0.27
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB1	12	0.27
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB2	12	0.27
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB3	12	0.27
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB1	12	0.27
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB2	12	0.27
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB3	12	0.27
(1,863)	1:103:A:GLU:H	1:100:A:ASP:H	7	0.27
(1,593)	1:68:A:LYS:H	1:66:A:VAL:HA	13	0.27
(1,593)	1:68:A:LYS:H	1:66:A:VAL:HA	15	0.27
(1,139)	1:69:A:ALA:H	1:66:A:VAL:HB	3	0.27
(1,139)	1:69:A:ALA:H	1:66:A:VAL:HB	13	0.27
(1,139)	1:69:A:ALA:H	1:66:A:VAL:HB	14	0.27
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB1	10	0.27
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB2	10	0.27
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB3	10	0.27
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB1	10	0.27
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB2	10	0.27
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB3	10	0.27
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB1	10	0.27
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB2	10	0.27
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB3	10	0.27
(4,166)	1:92:A:MET:O	1:96:A:TYR:N	9	0.26
(4,165)	1:91:A:SER:O	1:95:A:SER:N	6	0.26
(4,165)	1:91:A:SER:O	1:95:A:SER:N	13	0.26
(4,165)	1:91:A:SER:O	1:95:A:SER:N	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,163)	1:89:A:ALA:O	1:93:A:LYS:N	12	0.26
(4,163)	1:89:A:ALA:O	1:93:A:LYS:N	13	0.26
(4,163)	1:89:A:ALA:O	1:93:A:LYS:N	15	0.26
(4,140)	1:58:A:GLU:O	1:62:A:SER:N	6	0.26
(4,133)	1:38:A:ALA:O	1:42:A:LEU:N	13	0.26
(4,133)	1:38:A:ALA:O	1:42:A:LEU:N	14	0.26
(4,128)	1:33:A:ALA:O	1:37:A:ARG:N	3	0.26
(4,128)	1:33:A:ALA:O	1:37:A:ARG:N	7	0.26
(4,128)	1:33:A:ALA:O	1:37:A:ARG:N	9	0.26
(4,128)	1:33:A:ALA:O	1:37:A:ARG:N	10	0.26
(4,124)	1:29:A:VAL:O	1:33:A:ALA:N	4	0.26
(4,124)	1:29:A:VAL:O	1:33:A:ALA:N	5	0.26
(4,124)	1:29:A:VAL:O	1:33:A:ALA:N	12	0.26
(4,124)	1:29:A:VAL:O	1:33:A:ALA:N	14	0.26
(4,123)	1:28:A:ALA:O	1:32:A:VAL:N	12	0.26
(4,122)	1:27:A:VAL:O	1:31:A:THR:N	5	0.26
(4,122)	1:27:A:VAL:O	1:31:A:THR:N	6	0.26
(4,122)	1:27:A:VAL:O	1:31:A:THR:N	12	0.26
(4,121)	1:26:A:PRO:O	1:30:A:LYS:N	1	0.26
(4,121)	1:26:A:PRO:O	1:30:A:LYS:N	6	0.26
(4,121)	1:26:A:PRO:O	1:30:A:LYS:N	13	0.26
(4,113)	1:8:A:GLU:O	1:12:A:VAL:N	7	0.26
(4,112)	1:7:A:SER:O	1:11:A:LEU:N	4	0.26
(4,111)	1:6:A:PHE:O	1:10:A:LEU:N	1	0.26
(4,111)	1:6:A:PHE:O	1:10:A:LEU:N	5	0.26
(4,37)	1:34:A:GLY:O	1:38:A:ALA:H	1	0.26
(4,37)	1:34:A:GLY:O	1:38:A:ALA:H	2	0.26
(4,37)	1:34:A:GLY:O	1:38:A:ALA:H	5	0.26
(4,37)	1:34:A:GLY:O	1:38:A:ALA:H	8	0.26
(4,37)	1:34:A:GLY:O	1:38:A:ALA:H	11	0.26
(4,37)	1:34:A:GLY:O	1:38:A:ALA:H	12	0.26
(4,37)	1:34:A:GLY:O	1:38:A:ALA:H	13	0.26
(4,37)	1:34:A:GLY:O	1:38:A:ALA:H	15	0.26
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG21	12	0.26
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG22	12	0.26
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG23	12	0.26
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG21	12	0.26
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG22	12	0.26
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG23	12	0.26
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG21	14	0.26
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG22	14	0.26
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG23	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG21	14	0.26
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG22	14	0.26
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG23	14	0.26
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD21	12	0.26
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD22	12	0.26
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD23	12	0.26
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG21	12	0.26
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG22	12	0.26
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG23	12	0.26
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG21	12	0.26
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG22	12	0.26
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG23	12	0.26
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG21	14	0.26
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG22	14	0.26
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG23	14	0.26
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG21	14	0.26
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG22	14	0.26
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG23	14	0.26
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD21	12	0.26
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD22	12	0.26
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD23	12	0.26
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG21	12	0.26
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG22	12	0.26
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG23	12	0.26
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG21	12	0.26
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG22	12	0.26
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG23	12	0.26
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG21	14	0.26
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG22	14	0.26
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG23	14	0.26
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG21	14	0.26
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG22	14	0.26
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG23	14	0.26
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD21	12	0.26
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD22	12	0.26
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD23	12	0.26
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG21	12	0.26
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG22	12	0.26
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG23	12	0.26
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG21	12	0.26
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG22	12	0.26
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG23	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG21	14	0.26
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG22	14	0.26
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG23	14	0.26
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG21	14	0.26
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG22	14	0.26
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG23	14	0.26
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD21	12	0.26
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD22	12	0.26
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD23	12	0.26
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG21	12	0.26
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG22	12	0.26
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG23	12	0.26
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG21	12	0.26
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG22	12	0.26
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG23	12	0.26
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG21	14	0.26
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG22	14	0.26
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG23	14	0.26
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG21	14	0.26
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG22	14	0.26
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG23	14	0.26
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD21	12	0.26
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD22	12	0.26
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD23	12	0.26
(2,87)	1:73:A:ASN:H	1:70:A:SER:H	4	0.26
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD11	6	0.26
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD12	6	0.26
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD13	6	0.26
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD21	6	0.26
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD22	6	0.26
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD23	6	0.26
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	7	0.26
(1,2839)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	7	0.26
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	7	0.26
(1,2839)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	7	0.26
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD21	11	0.26
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD22	11	0.26
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD23	11	0.26
(1,2803)	1:50:A:LEU:H	1:54:A:LEU:HB3	7	0.26
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	7	0.26
(1,2715)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	7	0.26
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2715)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	7	0.26
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD21	11	0.26
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD22	11	0.26
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD23	11	0.26
(1,2679)	1:50:A:LEU:H	1:54:A:LEU:HB3	7	0.26
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	7	0.26
(1,2591)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	7	0.26
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	7	0.26
(1,2591)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	7	0.26
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD21	11	0.26
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD22	11	0.26
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD23	11	0.26
(1,2555)	1:50:A:LEU:H	1:54:A:LEU:HB3	7	0.26
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	7	0.26
(1,2467)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	7	0.26
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	7	0.26
(1,2467)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	7	0.26
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD21	11	0.26
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD22	11	0.26
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD23	11	0.26
(1,2431)	1:50:A:LEU:H	1:54:A:LEU:HB3	7	0.26
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD1	7	0.26
(1,2343)	1:60:A:GLN:HG2	1:59:A:PHE:HD2	7	0.26
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD1	7	0.26
(1,2343)	1:60:A:GLN:HG3	1:59:A:PHE:HD2	7	0.26
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD21	11	0.26
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD22	11	0.26
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD23	11	0.26
(1,2307)	1:50:A:LEU:H	1:54:A:LEU:HB3	7	0.26
(1,2229)	1:101:A:PRO:HD2	1:102:A:LEU:H	8	0.26
(1,2229)	1:101:A:PRO:HD3	1:102:A:LEU:H	8	0.26
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG2	7	0.26
(1,2124)	1:86:A:ARG:HA	1:90:A:GLU:HG3	7	0.26
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB1	6	0.26
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB2	6	0.26
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB3	6	0.26
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB1	12	0.26
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB2	12	0.26
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB3	12	0.26
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB1	15	0.26
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB2	15	0.26
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB3	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB1	2	0.26
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB2	2	0.26
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB3	2	0.26
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB1	3	0.26
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB2	3	0.26
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB3	3	0.26
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB1	7	0.26
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB2	7	0.26
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB3	7	0.26
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB1	13	0.26
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB2	13	0.26
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB3	13	0.26
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD2	6	0.26
(1,2051)	1:80:A:ALA:H	1:79:A:LYS:HD3	6	0.26
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB1	5	0.26
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB2	5	0.26
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB3	5	0.26
(1,2031)	1:77:A:GLU:HA	1:80:A:ALA:H	2	0.26
(1,2021)	1:76:A:PRO:HA	1:80:A:ALA:H	1	0.26
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG21	15	0.26
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG22	15	0.26
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG23	15	0.26
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG21	15	0.26
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG22	15	0.26
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG23	15	0.26
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD21	4	0.26
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD22	4	0.26
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD23	4	0.26
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD21	14	0.26
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD22	14	0.26
(1,2009)	1:75:A:THR:H	1:78:A:LEU:HD23	14	0.26
(1,1986)	1:73:A:ASN:H	1:72:A:THR:HB	14	0.26
(1,1967)	1:70:A:SER:H	1:72:A:THR:H	3	0.26
(1,1967)	1:70:A:SER:H	1:72:A:THR:H	9	0.26
(1,1954)	1:68:A:LYS:H	1:67:A:GLU:HB2	1	0.26
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB1	9	0.26
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB2	9	0.26
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB3	9	0.26
(1,1916)	1:65:A:LYS:H	1:61:A:ASP:HA	10	0.26
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB2	12	0.26
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB3	12	0.26
(1,1909)	1:64:A:LYS:H	1:62:A:SER:HA	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1886)	1:61:A:ASP:HB2	1:62:A:SER:H	3	0.26
(1,1886)	1:61:A:ASP:HB3	1:62:A:SER:H	3	0.26
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD1	7	0.26
(1,1871)	1:60:A:GLN:HA	1:59:A:PHE:HD2	7	0.26
(1,1858)	1:54:A:LEU:H	1:53:A:GLU:HG2	14	0.26
(1,1858)	1:54:A:LEU:H	1:53:A:GLU:HG3	14	0.26
(1,1836)	1:48:A:ASN:HA	1:52:A:GLN:HE21	11	0.26
(1,1836)	1:48:A:ASN:HA	1:52:A:GLN:HE21	15	0.26
(1,1823)	1:46:A:VAL:HA	1:48:A:ASN:H	14	0.26
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB1	5	0.26
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB2	5	0.26
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB3	5	0.26
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB1	8	0.26
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB2	8	0.26
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB3	8	0.26
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB1	9	0.26
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB2	9	0.26
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB3	9	0.26
(1,1737)	1:29:A:VAL:HA	1:33:A:ALA:H	4	0.26
(1,1737)	1:29:A:VAL:HA	1:33:A:ALA:H	6	0.26
(1,1737)	1:29:A:VAL:HA	1:33:A:ALA:H	9	0.26
(1,1737)	1:29:A:VAL:HA	1:33:A:ALA:H	14	0.26
(1,1737)	1:29:A:VAL:HA	1:33:A:ALA:H	15	0.26
(1,1663)	1:15:A:ILE:HB	1:12:A:VAL:HA	15	0.26
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD11	13	0.26
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD12	13	0.26
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD13	13	0.26
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD21	13	0.26
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD22	13	0.26
(1,1661)	1:14:A:ILE:HA	1:17:A:LEU:HD23	13	0.26
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG21	12	0.26
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG22	12	0.26
(1,1585)	1:5:A:GLY:HA2	1:4:A:ILE:HG23	12	0.26
(1,1563)	1:3:A:ASP:HB3	1:3:A:ASP:HA	4	0.26
(1,1563)	1:3:A:ASP:HB3	1:3:A:ASP:HA	6	0.26
(1,1563)	1:3:A:ASP:HB3	1:3:A:ASP:HA	12	0.26
(1,1408)	1:46:A:VAL:HA	1:49:A:GLU:H	4	0.26
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG21	11	0.26
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG22	11	0.26
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG23	11	0.26
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG21	1	0.26
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG22	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG23	1	0.26
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG21	11	0.26
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG22	11	0.26
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG23	11	0.26
(1,1363)	1:35:A:TRP:HD1	1:36:A:ILE:H	2	0.26
(1,1321)	1:26:A:PRO:HB2	1:30:A:LYS:HG3	4	0.26
(1,1321)	1:26:A:PRO:HB3	1:30:A:LYS:HG3	4	0.26
(1,1321)	1:26:A:PRO:HB2	1:30:A:LYS:HG3	11	0.26
(1,1321)	1:26:A:PRO:HB3	1:30:A:LYS:HG3	11	0.26
(1,1321)	1:26:A:PRO:HB2	1:30:A:LYS:HG3	14	0.26
(1,1321)	1:26:A:PRO:HB3	1:30:A:LYS:HG3	14	0.26
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB2	3	0.26
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB3	3	0.26
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB2	3	0.26
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB3	3	0.26
(1,944)	1:2:A:PHE:HB2	1:4:A:ILE:HD11	13	0.26
(1,944)	1:2:A:PHE:HB2	1:4:A:ILE:HD12	13	0.26
(1,944)	1:2:A:PHE:HB2	1:4:A:ILE:HD13	13	0.26
(1,930)	1:42:A:LEU:HD11	1:45:A:THR:H	15	0.26
(1,930)	1:42:A:LEU:HD12	1:45:A:THR:H	15	0.26
(1,930)	1:42:A:LEU:HD13	1:45:A:THR:H	15	0.26
(1,930)	1:42:A:LEU:HD21	1:45:A:THR:H	15	0.26
(1,930)	1:42:A:LEU:HD22	1:45:A:THR:H	15	0.26
(1,930)	1:42:A:LEU:HD23	1:45:A:THR:H	15	0.26
(1,822)	1:96:A:TYR:HD1	1:97:A:VAL:HG11	9	0.26
(1,822)	1:96:A:TYR:HD1	1:97:A:VAL:HG12	9	0.26
(1,822)	1:96:A:TYR:HD1	1:97:A:VAL:HG13	9	0.26
(1,822)	1:96:A:TYR:HD2	1:97:A:VAL:HG11	9	0.26
(1,822)	1:96:A:TYR:HD2	1:97:A:VAL:HG12	9	0.26
(1,822)	1:96:A:TYR:HD2	1:97:A:VAL:HG13	9	0.26
(1,227)	1:3:A:ASP:H	1:5:A:GLY:H	11	0.26
(1,139)	1:69:A:ALA:H	1:66:A:VAL:HB	4	0.26
(1,139)	1:69:A:ALA:H	1:66:A:VAL:HB	9	0.26
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB1	2	0.26
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB2	2	0.26
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB3	2	0.26
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB1	2	0.26
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB2	2	0.26
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB3	2	0.26
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB1	2	0.26
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB2	2	0.26
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB3	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB1	7	0.26
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB2	7	0.26
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB3	7	0.26
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB1	7	0.26
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB2	7	0.26
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB3	7	0.26
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB1	7	0.26
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB2	7	0.26
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB3	7	0.26
(1,6)	1:8:A:GLU:HB2	1:5:A:GLY:H	12	0.26
(4,165)	1:91:A:SER:O	1:95:A:SER:N	2	0.25
(4,165)	1:91:A:SER:O	1:95:A:SER:N	4	0.25
(4,165)	1:91:A:SER:O	1:95:A:SER:N	7	0.25
(4,165)	1:91:A:SER:O	1:95:A:SER:N	8	0.25
(4,159)	1:85:A:LEU:O	1:89:A:ALA:N	7	0.25
(4,155)	1:81:A:SER:O	1:85:A:LEU:N	3	0.25
(4,155)	1:81:A:SER:O	1:85:A:LEU:N	9	0.25
(4,155)	1:81:A:SER:O	1:85:A:LEU:N	13	0.25
(4,155)	1:81:A:SER:O	1:85:A:LEU:N	14	0.25
(4,145)	1:63:A:LEU:O	1:67:A:GLU:N	14	0.25
(4,142)	1:60:A:GLN:O	1:64:A:LYS:N	5	0.25
(4,142)	1:60:A:GLN:O	1:64:A:LYS:N	8	0.25
(4,142)	1:60:A:GLN:O	1:64:A:LYS:N	10	0.25
(4,142)	1:60:A:GLN:O	1:64:A:LYS:N	12	0.25
(4,142)	1:60:A:GLN:O	1:64:A:LYS:N	15	0.25
(4,141)	1:59:A:PHE:O	1:63:A:LEU:N	2	0.25
(4,128)	1:33:A:ALA:O	1:37:A:ARG:N	11	0.25
(4,124)	1:29:A:VAL:O	1:33:A:ALA:N	9	0.25
(4,122)	1:27:A:VAL:O	1:31:A:THR:N	3	0.25
(4,122)	1:27:A:VAL:O	1:31:A:THR:N	4	0.25
(4,122)	1:27:A:VAL:O	1:31:A:THR:N	7	0.25
(4,122)	1:27:A:VAL:O	1:31:A:THR:N	8	0.25
(4,122)	1:27:A:VAL:O	1:31:A:THR:N	9	0.25
(4,122)	1:27:A:VAL:O	1:31:A:THR:N	10	0.25
(4,122)	1:27:A:VAL:O	1:31:A:THR:N	11	0.25
(4,122)	1:27:A:VAL:O	1:31:A:THR:N	14	0.25
(4,121)	1:26:A:PRO:O	1:30:A:LYS:N	3	0.25
(4,121)	1:26:A:PRO:O	1:30:A:LYS:N	7	0.25
(4,113)	1:8:A:GLU:O	1:12:A:VAL:N	11	0.25
(4,111)	1:6:A:PHE:O	1:10:A:LEU:N	9	0.25
(4,61)	1:60:A:GLN:O	1:64:A:LYS:H	10	0.25
(4,37)	1:34:A:GLY:O	1:38:A:ALA:H	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,37)	1:34:A:GLY:O	1:38:A:ALA:H	14	0.25
(4,32)	1:31:A:THR:O	1:35:A:TRP:N	1	0.25
(4,32)	1:31:A:THR:O	1:35:A:TRP:N	2	0.25
(4,32)	1:31:A:THR:O	1:35:A:TRP:N	7	0.25
(4,32)	1:31:A:THR:O	1:35:A:TRP:N	11	0.25
(2,601)	1:51:A:THR:HB	1:54:A:LEU:H	11	0.25
(2,526)	1:51:A:THR:HB	1:54:A:LEU:H	11	0.25
(2,451)	1:51:A:THR:HB	1:54:A:LEU:H	11	0.25
(2,376)	1:51:A:THR:HB	1:54:A:LEU:H	11	0.25
(2,301)	1:51:A:THR:HB	1:54:A:LEU:H	11	0.25
(2,252)	1:71:A:LEU:HB2	1:72:A:THR:HB	13	0.25
(2,231)	1:101:A:PRO:HD2	1:98:A:ALA:H	5	0.25
(2,231)	1:101:A:PRO:HD3	1:98:A:ALA:H	5	0.25
(2,87)	1:73:A:ASN:H	1:70:A:SER:H	14	0.25
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD21	3	0.25
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD22	3	0.25
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD23	3	0.25
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD21	4	0.25
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD22	4	0.25
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD23	4	0.25
(1,2790)	1:48:A:ASN:HD22	1:44:A:THR:HG21	5	0.25
(1,2790)	1:48:A:ASN:HD22	1:44:A:THR:HG22	5	0.25
(1,2790)	1:48:A:ASN:HD22	1:44:A:THR:HG23	5	0.25
(1,2778)	1:45:A:THR:HA	1:49:A:GLU:H	1	0.25
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD21	3	0.25
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD22	3	0.25
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD23	3	0.25
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD21	4	0.25
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD22	4	0.25
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD23	4	0.25
(1,2666)	1:48:A:ASN:HD22	1:44:A:THR:HG21	5	0.25
(1,2666)	1:48:A:ASN:HD22	1:44:A:THR:HG22	5	0.25
(1,2666)	1:48:A:ASN:HD22	1:44:A:THR:HG23	5	0.25
(1,2654)	1:45:A:THR:HA	1:49:A:GLU:H	1	0.25
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD21	3	0.25
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD22	3	0.25
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD23	3	0.25
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD21	4	0.25
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD22	4	0.25
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD23	4	0.25
(1,2542)	1:48:A:ASN:HD22	1:44:A:THR:HG21	5	0.25
(1,2542)	1:48:A:ASN:HD22	1:44:A:THR:HG22	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2542)	1:48:A:ASN:HD22	1:44:A:THR:HG23	5	0.25
(1,2530)	1:45:A:THR:HA	1:49:A:GLU:H	1	0.25
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD21	3	0.25
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD22	3	0.25
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD23	3	0.25
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD21	4	0.25
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD22	4	0.25
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD23	4	0.25
(1,2418)	1:48:A:ASN:HD22	1:44:A:THR:HG21	5	0.25
(1,2418)	1:48:A:ASN:HD22	1:44:A:THR:HG22	5	0.25
(1,2418)	1:48:A:ASN:HD22	1:44:A:THR:HG23	5	0.25
(1,2406)	1:45:A:THR:HA	1:49:A:GLU:H	1	0.25
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD21	3	0.25
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD22	3	0.25
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD23	3	0.25
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD21	4	0.25
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD22	4	0.25
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD23	4	0.25
(1,2294)	1:48:A:ASN:HD22	1:44:A:THR:HG21	5	0.25
(1,2294)	1:48:A:ASN:HD22	1:44:A:THR:HG22	5	0.25
(1,2294)	1:48:A:ASN:HD22	1:44:A:THR:HG23	5	0.25
(1,2282)	1:45:A:THR:HA	1:49:A:GLU:H	1	0.25
(1,2229)	1:101:A:PRO:HD2	1:102:A:LEU:H	4	0.25
(1,2229)	1:101:A:PRO:HD3	1:102:A:LEU:H	4	0.25
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB1	2	0.25
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB2	2	0.25
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB3	2	0.25
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB1	14	0.25
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB2	14	0.25
(1,2220)	1:99:A:ASN:HA	1:98:A:ALA:HB3	14	0.25
(1,2219)	1:99:A:ASN:HB3	1:98:A:ALA:HB1	10	0.25
(1,2219)	1:99:A:ASN:HB3	1:98:A:ALA:HB2	10	0.25
(1,2219)	1:99:A:ASN:HB3	1:98:A:ALA:HB3	10	0.25
(1,2219)	1:99:A:ASN:HB2	1:98:A:ALA:HB1	10	0.25
(1,2219)	1:99:A:ASN:HB2	1:98:A:ALA:HB2	10	0.25
(1,2219)	1:99:A:ASN:HB2	1:98:A:ALA:HB3	10	0.25
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG21	1	0.25
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG22	1	0.25
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG23	1	0.25
(1,2174)	1:94:A:ARG:HB2	1:95:A:SER:H	7	0.25
(1,2174)	1:94:A:ARG:HB3	1:95:A:SER:H	7	0.25
(1,2096)	1:84:A:GLU:H	1:83:A:ASP:HB2	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB1	4	0.25
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB2	4	0.25
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB3	4	0.25
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB1	9	0.25
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB2	9	0.25
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB3	9	0.25
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB1	11	0.25
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB2	11	0.25
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB3	11	0.25
(1,2038)	1:78:A:LEU:HA	1:81:A:SER:HB3	7	0.25
(1,2036)	1:78:A:LEU:H	1:77:A:GLU:HB3	7	0.25
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB1	1	0.25
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB2	1	0.25
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB3	1	0.25
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB1	6	0.25
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB2	6	0.25
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB3	6	0.25
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB1	10	0.25
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB2	10	0.25
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB3	10	0.25
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB1	12	0.25
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB2	12	0.25
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB3	12	0.25
(1,2007)	1:75:A:THR:H	1:71:A:LEU:HA	14	0.25
(1,1996)	1:73:A:ASN:HB2	1:74:A:LEU:HA	10	0.25
(1,1996)	1:73:A:ASN:HB3	1:74:A:LEU:HA	10	0.25
(1,1996)	1:73:A:ASN:HB2	1:74:A:LEU:HA	11	0.25
(1,1996)	1:73:A:ASN:HB3	1:74:A:LEU:HA	11	0.25
(1,1954)	1:68:A:LYS:H	1:67:A:GLU:HB2	11	0.25
(1,1941)	1:67:A:GLU:H	1:63:A:LEU:HA	10	0.25
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB2	3	0.25
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB3	3	0.25
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB2	4	0.25
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB3	4	0.25
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD1	11	0.25
(1,1895)	1:63:A:LEU:H	1:59:A:PHE:HD2	11	0.25
(1,1894)	1:63:A:LEU:HG	1:59:A:PHE:HD1	14	0.25
(1,1894)	1:63:A:LEU:HG	1:59:A:PHE:HD2	14	0.25
(1,1879)	1:61:A:ASP:HB2	1:58:A:GLU:HA	9	0.25
(1,1879)	1:61:A:ASP:HB3	1:58:A:GLU:HA	9	0.25
(1,1859)	1:54:A:LEU:H	1:53:A:GLU:HB2	2	0.25
(1,1859)	1:54:A:LEU:H	1:53:A:GLU:HB3	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG2	15	0.25
(1,1856)	1:53:A:GLU:H	1:52:A:GLN:HG3	15	0.25
(1,1850)	1:52:A:GLN:H	1:51:A:THR:H	2	0.25
(1,1839)	1:51:A:THR:HB	1:48:A:ASN:HA	2	0.25
(1,1839)	1:51:A:THR:HB	1:48:A:ASN:HA	7	0.25
(1,1823)	1:46:A:VAL:HA	1:48:A:ASN:H	11	0.25
(1,1822)	1:46:A:VAL:H	1:47:A:GLN:H	11	0.25
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB1	2	0.25
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB2	2	0.25
(1,1801)	1:44:A:THR:HB	1:43:A:ALA:HB3	2	0.25
(1,1796)	1:43:A:ALA:H	1:42:A:LEU:H	5	0.25
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB1	4	0.25
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB2	4	0.25
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB3	4	0.25
(1,1579)	1:4:A:ILE:HG12	1:5:A:GLY:H	1	0.25
(1,1579)	1:4:A:ILE:HG13	1:5:A:GLY:H	1	0.25
(1,1579)	1:4:A:ILE:HG12	1:5:A:GLY:H	2	0.25
(1,1579)	1:4:A:ILE:HG13	1:5:A:GLY:H	2	0.25
(1,1579)	1:4:A:ILE:HG12	1:5:A:GLY:H	4	0.25
(1,1579)	1:4:A:ILE:HG13	1:5:A:GLY:H	4	0.25
(1,1579)	1:4:A:ILE:HG12	1:5:A:GLY:H	6	0.25
(1,1579)	1:4:A:ILE:HG13	1:5:A:GLY:H	6	0.25
(1,1579)	1:4:A:ILE:HG12	1:5:A:GLY:H	10	0.25
(1,1579)	1:4:A:ILE:HG13	1:5:A:GLY:H	10	0.25
(1,1579)	1:4:A:ILE:HG12	1:5:A:GLY:H	14	0.25
(1,1579)	1:4:A:ILE:HG13	1:5:A:GLY:H	14	0.25
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD11	5	0.25
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD12	5	0.25
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD13	5	0.25
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD11	5	0.25
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD12	5	0.25
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD13	5	0.25
(1,1478)	1:75:A:THR:H	1:74:A:LEU:H	13	0.25
(1,1431)	1:56:A:LEU:H	1:54:A:LEU:H	3	0.25
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG21	2	0.25
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG22	2	0.25
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG23	2	0.25
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG21	7	0.25
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG22	7	0.25
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG23	7	0.25
(1,1363)	1:35:A:TRP:HD1	1:36:A:ILE:H	11	0.25
(1,1363)	1:35:A:TRP:HD1	1:36:A:ILE:H	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG21	2	0.25
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG22	2	0.25
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG23	2	0.25
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG21	9	0.25
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG22	9	0.25
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG23	9	0.25
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG21	11	0.25
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG22	11	0.25
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG23	11	0.25
(1,1321)	1:26:A:PRO:HB2	1:30:A:LYS:HG3	15	0.25
(1,1321)	1:26:A:PRO:HB3	1:30:A:LYS:HG3	15	0.25
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB2	5	0.25
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB3	5	0.25
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB2	5	0.25
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB3	5	0.25
(1,930)	1:42:A:LEU:HD11	1:45:A:THR:H	6	0.25
(1,930)	1:42:A:LEU:HD12	1:45:A:THR:H	6	0.25
(1,930)	1:42:A:LEU:HD13	1:45:A:THR:H	6	0.25
(1,930)	1:42:A:LEU:HD21	1:45:A:THR:H	6	0.25
(1,930)	1:42:A:LEU:HD22	1:45:A:THR:H	6	0.25
(1,930)	1:42:A:LEU:HD23	1:45:A:THR:H	6	0.25
(1,930)	1:42:A:LEU:HD11	1:45:A:THR:H	14	0.25
(1,930)	1:42:A:LEU:HD12	1:45:A:THR:H	14	0.25
(1,930)	1:42:A:LEU:HD13	1:45:A:THR:H	14	0.25
(1,930)	1:42:A:LEU:HD21	1:45:A:THR:H	14	0.25
(1,930)	1:42:A:LEU:HD22	1:45:A:THR:H	14	0.25
(1,930)	1:42:A:LEU:HD23	1:45:A:THR:H	14	0.25
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	7	0.25
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	7	0.25
(1,905)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	7	0.25
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	7	0.25
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	7	0.25
(1,905)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	7	0.25
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	7	0.25
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	7	0.25
(1,905)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	7	0.25
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB1	7	0.25
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB2	7	0.25
(1,905)	1:42:A:LEU:HD21	1:43:A:ALA:HB3	7	0.25
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB1	7	0.25
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB2	7	0.25
(1,905)	1:42:A:LEU:HD22	1:43:A:ALA:HB3	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB1	7	0.25
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB2	7	0.25
(1,905)	1:42:A:LEU:HD23	1:43:A:ALA:HB3	7	0.25
(1,593)	1:68:A:LYS:H	1:66:A:VAL:HA	14	0.25
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG21	15	0.25
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG22	15	0.25
(1,467)	1:45:A:THR:H	1:46:A:VAL:HG23	15	0.25
(1,197)	1:99:A:ASN:H	1:97:A:VAL:HG21	5	0.25
(1,197)	1:99:A:ASN:H	1:97:A:VAL:HG22	5	0.25
(1,197)	1:99:A:ASN:H	1:97:A:VAL:HG23	5	0.25
(1,28)	1:14:A:ILE:HD11	1:17:A:LEU:HB2	9	0.25
(1,28)	1:14:A:ILE:HD11	1:17:A:LEU:HB3	9	0.25
(1,28)	1:14:A:ILE:HD12	1:17:A:LEU:HB2	9	0.25
(1,28)	1:14:A:ILE:HD12	1:17:A:LEU:HB3	9	0.25
(1,28)	1:14:A:ILE:HD13	1:17:A:LEU:HB2	9	0.25
(1,28)	1:14:A:ILE:HD13	1:17:A:LEU:HB3	9	0.25
(4,165)	1:91:A:SER:O	1:95:A:SER:N	3	0.24
(4,165)	1:91:A:SER:O	1:95:A:SER:N	9	0.24
(4,155)	1:81:A:SER:O	1:85:A:LEU:N	4	0.24
(4,155)	1:81:A:SER:O	1:85:A:LEU:N	6	0.24
(4,155)	1:81:A:SER:O	1:85:A:LEU:N	8	0.24
(4,155)	1:81:A:SER:O	1:85:A:LEU:N	15	0.24
(4,152)	1:78:A:LEU:O	1:82:A:MET:N	7	0.24
(4,140)	1:58:A:GLU:O	1:62:A:SER:N	2	0.24
(4,136)	1:41:A:SER:O	1:45:A:THR:N	5	0.24
(4,132)	1:37:A:ARG:O	1:41:A:SER:N	6	0.24
(4,128)	1:33:A:ALA:O	1:37:A:ARG:N	2	0.24
(4,124)	1:29:A:VAL:O	1:33:A:ALA:N	2	0.24
(4,124)	1:29:A:VAL:O	1:33:A:ALA:N	3	0.24
(4,124)	1:29:A:VAL:O	1:33:A:ALA:N	6	0.24
(4,124)	1:29:A:VAL:O	1:33:A:ALA:N	7	0.24
(4,124)	1:29:A:VAL:O	1:33:A:ALA:N	10	0.24
(4,124)	1:29:A:VAL:O	1:33:A:ALA:N	11	0.24
(4,123)	1:28:A:ALA:O	1:32:A:VAL:N	2	0.24
(4,122)	1:27:A:VAL:O	1:31:A:THR:N	15	0.24
(4,121)	1:26:A:PRO:O	1:30:A:LYS:N	2	0.24
(4,121)	1:26:A:PRO:O	1:30:A:LYS:N	4	0.24
(4,121)	1:26:A:PRO:O	1:30:A:LYS:N	5	0.24
(4,121)	1:26:A:PRO:O	1:30:A:LYS:N	8	0.24
(4,121)	1:26:A:PRO:O	1:30:A:LYS:N	9	0.24
(4,121)	1:26:A:PRO:O	1:30:A:LYS:N	10	0.24
(4,121)	1:26:A:PRO:O	1:30:A:LYS:N	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,118)	1:14:A:ILE:O	1:18:A:VAL:N	11	0.24
(4,117)	1:12:A:VAL:O	1:16:A:GLY:N	1	0.24
(4,117)	1:12:A:VAL:O	1:16:A:GLY:N	4	0.24
(4,117)	1:12:A:VAL:O	1:16:A:GLY:N	8	0.24
(4,117)	1:12:A:VAL:O	1:16:A:GLY:N	14	0.24
(4,109)	1:92:A:MET:O	1:96:A:TYR:H	11	0.24
(4,32)	1:31:A:THR:O	1:35:A:TRP:N	3	0.24
(4,32)	1:31:A:THR:O	1:35:A:TRP:N	6	0.24
(4,32)	1:31:A:THR:O	1:35:A:TRP:N	9	0.24
(4,32)	1:31:A:THR:O	1:35:A:TRP:N	10	0.24
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG21	15	0.24
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG22	15	0.24
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG23	15	0.24
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	6	0.24
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	6	0.24
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	6	0.24
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	6	0.24
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD21	2	0.24
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD22	2	0.24
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD23	2	0.24
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG21	15	0.24
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG22	15	0.24
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG23	15	0.24
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	6	0.24
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	6	0.24
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	6	0.24
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	6	0.24
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD21	2	0.24
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD22	2	0.24
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD23	2	0.24
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG21	15	0.24
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG22	15	0.24
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG23	15	0.24
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	6	0.24
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	6	0.24
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	6	0.24
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	6	0.24
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD21	2	0.24
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD22	2	0.24
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD23	2	0.24
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG21	15	0.24
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG22	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG23	15	0.24
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	6	0.24
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	6	0.24
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	6	0.24
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	6	0.24
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD21	2	0.24
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD22	2	0.24
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD23	2	0.24
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG21	15	0.24
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG22	15	0.24
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG23	15	0.24
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	6	0.24
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	6	0.24
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	6	0.24
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	6	0.24
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD21	2	0.24
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD22	2	0.24
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD23	2	0.24
(2,233)	1:101:A:PRO:HA	1:102:A:LEU:HG	7	0.24
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD11	5	0.24
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD12	5	0.24
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD13	5	0.24
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD21	5	0.24
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD22	5	0.24
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD23	5	0.24
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD11	7	0.24
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD12	7	0.24
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD13	7	0.24
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD21	7	0.24
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD22	7	0.24
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD23	7	0.24
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD11	15	0.24
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD12	15	0.24
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD13	15	0.24
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD21	15	0.24
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD22	15	0.24
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD23	15	0.24
(2,67)	1:57:A:GLN:HA	1:59:A:PHE:HD1	12	0.24
(2,67)	1:57:A:GLN:HA	1:59:A:PHE:HD2	12	0.24
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD21	14	0.24
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD22	14	0.24
(1,2860)	1:74:A:LEU:HA	1:78:A:LEU:HD23	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD11	5	0.24
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD12	5	0.24
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD13	5	0.24
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD21	5	0.24
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD22	5	0.24
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD23	5	0.24
(1,2803)	1:50:A:LEU:H	1:54:A:LEU:HB3	11	0.24
(1,2790)	1:48:A:ASN:HD22	1:44:A:THR:HG21	9	0.24
(1,2790)	1:48:A:ASN:HD22	1:44:A:THR:HG22	9	0.24
(1,2790)	1:48:A:ASN:HD22	1:44:A:THR:HG23	9	0.24
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD21	14	0.24
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD22	14	0.24
(1,2736)	1:74:A:LEU:HA	1:78:A:LEU:HD23	14	0.24
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD11	5	0.24
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD12	5	0.24
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD13	5	0.24
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD21	5	0.24
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD22	5	0.24
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD23	5	0.24
(1,2679)	1:50:A:LEU:H	1:54:A:LEU:HB3	11	0.24
(1,2666)	1:48:A:ASN:HD22	1:44:A:THR:HG21	9	0.24
(1,2666)	1:48:A:ASN:HD22	1:44:A:THR:HG22	9	0.24
(1,2666)	1:48:A:ASN:HD22	1:44:A:THR:HG23	9	0.24
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD21	14	0.24
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD22	14	0.24
(1,2612)	1:74:A:LEU:HA	1:78:A:LEU:HD23	14	0.24
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD11	5	0.24
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD12	5	0.24
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD13	5	0.24
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD21	5	0.24
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD22	5	0.24
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD23	5	0.24
(1,2555)	1:50:A:LEU:H	1:54:A:LEU:HB3	11	0.24
(1,2542)	1:48:A:ASN:HD22	1:44:A:THR:HG21	9	0.24
(1,2542)	1:48:A:ASN:HD22	1:44:A:THR:HG22	9	0.24
(1,2542)	1:48:A:ASN:HD22	1:44:A:THR:HG23	9	0.24
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD21	14	0.24
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD22	14	0.24
(1,2488)	1:74:A:LEU:HA	1:78:A:LEU:HD23	14	0.24
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD11	5	0.24
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD12	5	0.24
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD13	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD21	5	0.24
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD22	5	0.24
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD23	5	0.24
(1,2431)	1:50:A:LEU:H	1:54:A:LEU:HB3	11	0.24
(1,2418)	1:48:A:ASN:HD22	1:44:A:THR:HG21	9	0.24
(1,2418)	1:48:A:ASN:HD22	1:44:A:THR:HG22	9	0.24
(1,2418)	1:48:A:ASN:HD22	1:44:A:THR:HG23	9	0.24
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD21	14	0.24
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD22	14	0.24
(1,2364)	1:74:A:LEU:HA	1:78:A:LEU:HD23	14	0.24
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD11	5	0.24
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD12	5	0.24
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD13	5	0.24
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD21	5	0.24
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD22	5	0.24
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD23	5	0.24
(1,2307)	1:50:A:LEU:H	1:54:A:LEU:HB3	11	0.24
(1,2294)	1:48:A:ASN:HD22	1:44:A:THR:HG21	9	0.24
(1,2294)	1:48:A:ASN:HD22	1:44:A:THR:HG22	9	0.24
(1,2294)	1:48:A:ASN:HD22	1:44:A:THR:HG23	9	0.24
(1,2229)	1:101:A:PRO:HD2	1:102:A:LEU:H	2	0.24
(1,2229)	1:101:A:PRO:HD3	1:102:A:LEU:H	2	0.24
(1,2174)	1:94:A:ARG:HB2	1:95:A:SER:H	6	0.24
(1,2174)	1:94:A:ARG:HB3	1:95:A:SER:H	6	0.24
(1,2174)	1:94:A:ARG:HB2	1:95:A:SER:H	14	0.24
(1,2174)	1:94:A:ARG:HB3	1:95:A:SER:H	14	0.24
(1,2156)	1:92:A:MET:HB2	1:93:A:LYS:H	13	0.24
(1,2096)	1:84:A:GLU:H	1:83:A:ASP:HB2	10	0.24
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB1	1	0.24
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB2	1	0.24
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB3	1	0.24
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB1	5	0.24
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB2	5	0.24
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB3	5	0.24
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB1	6	0.24
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB2	6	0.24
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB3	6	0.24
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB1	10	0.24
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB2	10	0.24
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB3	10	0.24
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB2	3	0.24
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB3	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB2	9	0.24
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB3	9	0.24
(1,2036)	1:78:A:LEU:H	1:77:A:GLU:HB3	11	0.24
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB1	8	0.24
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB2	8	0.24
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB3	8	0.24
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB1	13	0.24
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB2	13	0.24
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB3	13	0.24
(1,1996)	1:73:A:ASN:HB2	1:74:A:LEU:HA	1	0.24
(1,1996)	1:73:A:ASN:HB3	1:74:A:LEU:HA	1	0.24
(1,1996)	1:73:A:ASN:HB2	1:74:A:LEU:HA	2	0.24
(1,1996)	1:73:A:ASN:HB3	1:74:A:LEU:HA	2	0.24
(1,1996)	1:73:A:ASN:HB2	1:74:A:LEU:HA	12	0.24
(1,1996)	1:73:A:ASN:HB3	1:74:A:LEU:HA	12	0.24
(1,1996)	1:73:A:ASN:HB2	1:74:A:LEU:HA	15	0.24
(1,1996)	1:73:A:ASN:HB3	1:74:A:LEU:HA	15	0.24
(1,1967)	1:70:A:SER:H	1:72:A:THR:H	4	0.24
(1,1967)	1:70:A:SER:H	1:72:A:THR:H	13	0.24
(1,1967)	1:70:A:SER:H	1:72:A:THR:H	14	0.24
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB2	1	0.24
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB3	1	0.24
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB2	2	0.24
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB3	2	0.24
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB2	12	0.24
(1,1962)	1:70:A:SER:H	1:68:A:LYS:HB3	12	0.24
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB1	1	0.24
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB2	1	0.24
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB3	1	0.24
(1,1916)	1:65:A:LYS:H	1:61:A:ASP:HA	15	0.24
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB2	9	0.24
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB3	9	0.24
(1,1897)	1:63:A:LEU:HG	1:60:A:GLN:HA	11	0.24
(1,1869)	1:60:A:GLN:HE22	1:56:A:LEU:HB2	5	0.24
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD11	3	0.24
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD12	3	0.24
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD13	3	0.24
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD21	3	0.24
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD22	3	0.24
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD23	3	0.24
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD11	4	0.24
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD12	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD13	4	0.24
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD21	4	0.24
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD22	4	0.24
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD23	4	0.24
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD11	6	0.24
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD12	6	0.24
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD13	6	0.24
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD21	6	0.24
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD22	6	0.24
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD23	6	0.24
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG11	11	0.24
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG12	11	0.24
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG13	11	0.24
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG21	11	0.24
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG22	11	0.24
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG23	11	0.24
(1,1796)	1:43:A:ALA:H	1:42:A:LEU:H	7	0.24
(1,1796)	1:43:A:ALA:H	1:42:A:LEU:H	15	0.24
(1,1767)	1:37:A:ARG:HB2	1:38:A:ALA:H	10	0.24
(1,1767)	1:37:A:ARG:HB3	1:38:A:ALA:H	10	0.24
(1,1737)	1:29:A:VAL:HA	1:33:A:ALA:H	3	0.24
(1,1737)	1:29:A:VAL:HA	1:33:A:ALA:H	7	0.24
(1,1737)	1:29:A:VAL:HA	1:33:A:ALA:H	10	0.24
(1,1737)	1:29:A:VAL:HA	1:33:A:ALA:H	11	0.24
(1,1663)	1:15:A:ILE:HB	1:12:A:VAL:HA	7	0.24
(1,1579)	1:4:A:ILE:HG12	1:5:A:GLY:H	5	0.24
(1,1579)	1:4:A:ILE:HG13	1:5:A:GLY:H	5	0.24
(1,1579)	1:4:A:ILE:HG12	1:5:A:GLY:H	8	0.24
(1,1579)	1:4:A:ILE:HG13	1:5:A:GLY:H	8	0.24
(1,1579)	1:4:A:ILE:HG12	1:5:A:GLY:H	9	0.24
(1,1579)	1:4:A:ILE:HG13	1:5:A:GLY:H	9	0.24
(1,1478)	1:75:A:THR:H	1:74:A:LEU:H	6	0.24
(1,1478)	1:75:A:THR:H	1:74:A:LEU:H	8	0.24
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD11	15	0.24
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD12	15	0.24
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD13	15	0.24
(1,1387)	1:42:A:LEU:HD11	1:39:A:LEU:HA	4	0.24
(1,1387)	1:42:A:LEU:HD12	1:39:A:LEU:HA	4	0.24
(1,1387)	1:42:A:LEU:HD13	1:39:A:LEU:HA	4	0.24
(1,1387)	1:42:A:LEU:HD21	1:39:A:LEU:HA	4	0.24
(1,1387)	1:42:A:LEU:HD22	1:39:A:LEU:HA	4	0.24
(1,1387)	1:42:A:LEU:HD23	1:39:A:LEU:HA	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG21	9	0.24
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG22	9	0.24
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG23	9	0.24
(1,1363)	1:35:A:TRP:HD1	1:36:A:ILE:H	13	0.24
(1,1363)	1:35:A:TRP:HD1	1:36:A:ILE:H	14	0.24
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG21	6	0.24
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG22	6	0.24
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG23	6	0.24
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG21	7	0.24
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG22	7	0.24
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG23	7	0.24
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG21	10	0.24
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG22	10	0.24
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG23	10	0.24
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB1	12	0.24
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB2	12	0.24
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB3	12	0.24
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG21	5	0.24
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG22	5	0.24
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG23	5	0.24
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG21	6	0.24
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG22	6	0.24
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG23	6	0.24
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB2	4	0.24
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB3	4	0.24
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB2	4	0.24
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB3	4	0.24
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB2	9	0.24
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB3	9	0.24
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB2	9	0.24
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB3	9	0.24
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB2	14	0.24
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB3	14	0.24
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB2	14	0.24
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB3	14	0.24
(1,1228)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	5	0.24
(1,1228)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	5	0.24
(1,1180)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	5	0.24
(1,1180)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	5	0.24
(1,1132)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	5	0.24
(1,1132)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	5	0.24
(1,1084)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1084)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	5	0.24
(1,1036)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	5	0.24
(1,1036)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	5	0.24
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD11	8	0.24
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD12	8	0.24
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD13	8	0.24
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD21	8	0.24
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD22	8	0.24
(1,922)	1:6:A:PHE:HD1	1:9:A:LEU:HD23	8	0.24
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD11	8	0.24
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD12	8	0.24
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD13	8	0.24
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD21	8	0.24
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD22	8	0.24
(1,922)	1:6:A:PHE:HD2	1:9:A:LEU:HD23	8	0.24
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG11	3	0.24
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG12	3	0.24
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG13	3	0.24
(1,593)	1:68:A:LYS:H	1:66:A:VAL:HA	4	0.24
(1,378)	1:29:A:VAL:H	1:25:A:LEU:HA	1	0.24
(1,216)	1:2:A:PHE:HB2	1:4:A:ILE:HA	11	0.24
(1,139)	1:69:A:ALA:H	1:66:A:VAL:HB	10	0.24
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB1	4	0.24
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB2	4	0.24
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB3	4	0.24
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB1	4	0.24
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB2	4	0.24
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB3	4	0.24
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB1	4	0.24
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB2	4	0.24
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB3	4	0.24
(1,27)	1:14:A:ILE:HB	1:15:A:ILE:HG21	13	0.24
(1,27)	1:14:A:ILE:HB	1:15:A:ILE:HG22	13	0.24
(1,27)	1:14:A:ILE:HB	1:15:A:ILE:HG23	13	0.24
(1,10)	1:10:A:LEU:HA	1:12:A:VAL:H	13	0.24
(4,155)	1:81:A:SER:O	1:85:A:LEU:N	5	0.23
(4,155)	1:81:A:SER:O	1:85:A:LEU:N	10	0.23
(4,155)	1:81:A:SER:O	1:85:A:LEU:N	11	0.23
(4,155)	1:81:A:SER:O	1:85:A:LEU:N	12	0.23
(4,150)	1:68:A:LYS:O	1:72:A:THR:N	3	0.23
(4,145)	1:63:A:LEU:O	1:67:A:GLU:N	2	0.23
(4,145)	1:63:A:LEU:O	1:67:A:GLU:N	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,142)	1:60:A:GLN:O	1:64:A:LYS:N	3	0.23
(4,142)	1:60:A:GLN:O	1:64:A:LYS:N	4	0.23
(4,141)	1:59:A:PHE:O	1:63:A:LEU:N	13	0.23
(4,141)	1:59:A:PHE:O	1:63:A:LEU:N	14	0.23
(4,140)	1:58:A:GLU:O	1:62:A:SER:N	14	0.23
(4,136)	1:41:A:SER:O	1:45:A:THR:N	15	0.23
(4,122)	1:27:A:VAL:O	1:31:A:THR:N	2	0.23
(4,121)	1:26:A:PRO:O	1:30:A:LYS:N	15	0.23
(4,117)	1:12:A:VAL:O	1:16:A:GLY:N	2	0.23
(4,117)	1:12:A:VAL:O	1:16:A:GLY:N	13	0.23
(4,111)	1:6:A:PHE:O	1:10:A:LEU:N	10	0.23
(4,109)	1:92:A:MET:O	1:96:A:TYR:H	12	0.23
(4,75)	1:67:A:GLU:O	1:71:A:LEU:H	15	0.23
(4,32)	1:31:A:THR:O	1:35:A:TRP:N	5	0.23
(4,32)	1:31:A:THR:O	1:35:A:TRP:N	13	0.23
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	3	0.23
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	3	0.23
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	3	0.23
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	3	0.23
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	4	0.23
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	4	0.23
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	4	0.23
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	4	0.23
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	12	0.23
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	12	0.23
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	12	0.23
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	12	0.23
(2,601)	1:51:A:THR:HB	1:54:A:LEU:H	15	0.23
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	3	0.23
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	3	0.23
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	3	0.23
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	3	0.23
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	4	0.23
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	4	0.23
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	4	0.23
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	4	0.23
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	12	0.23
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	12	0.23
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	12	0.23
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	12	0.23
(2,526)	1:51:A:THR:HB	1:54:A:LEU:H	15	0.23
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	3	0.23
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	3	0.23
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	3	0.23
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	4	0.23
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	4	0.23
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	4	0.23
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	4	0.23
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	12	0.23
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	12	0.23
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	12	0.23
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	12	0.23
(2,451)	1:51:A:THR:HB	1:54:A:LEU:H	15	0.23
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	3	0.23
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	3	0.23
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	3	0.23
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	3	0.23
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	4	0.23
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	4	0.23
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	4	0.23
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	4	0.23
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	12	0.23
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	12	0.23
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	12	0.23
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	12	0.23
(2,376)	1:51:A:THR:HB	1:54:A:LEU:H	15	0.23
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	3	0.23
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	3	0.23
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	3	0.23
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	3	0.23
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	4	0.23
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	4	0.23
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	4	0.23
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	4	0.23
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	12	0.23
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	12	0.23
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	12	0.23
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	12	0.23
(2,301)	1:51:A:THR:HB	1:54:A:LEU:H	15	0.23
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	9	0.23
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	9	0.23
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	9	0.23
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	9	0.23
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	9	0.23
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	9	0.23
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	9	0.23
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	9	0.23
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD11	7	0.23
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD12	7	0.23
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD13	7	0.23
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD21	7	0.23
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD22	7	0.23
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD23	7	0.23
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD11	11	0.23
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD12	11	0.23
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD13	11	0.23
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD21	11	0.23
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD22	11	0.23
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD23	11	0.23
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG21	4	0.23
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG22	4	0.23
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG23	4	0.23
(1,2790)	1:48:A:ASN:HD22	1:44:A:THR:HG21	8	0.23
(1,2790)	1:48:A:ASN:HD22	1:44:A:THR:HG22	8	0.23
(1,2790)	1:48:A:ASN:HD22	1:44:A:THR:HG23	8	0.23
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	2	0.23
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	2	0.23
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	2	0.23
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	2	0.23
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	9	0.23
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	9	0.23
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	9	0.23
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	9	0.23
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	9	0.23
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	9	0.23
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	9	0.23
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	9	0.23
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	9	0.23
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD11	7	0.23
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD12	7	0.23
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD13	7	0.23
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD21	7	0.23
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD22	7	0.23
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD23	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD11	11	0.23
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD12	11	0.23
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD13	11	0.23
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD21	11	0.23
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD22	11	0.23
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD23	11	0.23
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG21	4	0.23
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG22	4	0.23
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG23	4	0.23
(1,2666)	1:48:A:ASN:HD22	1:44:A:THR:HG21	8	0.23
(1,2666)	1:48:A:ASN:HD22	1:44:A:THR:HG22	8	0.23
(1,2666)	1:48:A:ASN:HD22	1:44:A:THR:HG23	8	0.23
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	2	0.23
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	2	0.23
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	2	0.23
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	2	0.23
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	9	0.23
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	9	0.23
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	9	0.23
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	9	0.23
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	9	0.23
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	9	0.23
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	9	0.23
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	9	0.23
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	9	0.23
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD11	7	0.23
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD12	7	0.23
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD13	7	0.23
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD21	7	0.23
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD22	7	0.23
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD23	7	0.23
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD11	11	0.23
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD12	11	0.23
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD13	11	0.23
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD21	11	0.23
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD22	11	0.23
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD23	11	0.23
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG21	4	0.23
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG22	4	0.23
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG23	4	0.23
(1,2542)	1:48:A:ASN:HD22	1:44:A:THR:HG21	8	0.23
(1,2542)	1:48:A:ASN:HD22	1:44:A:THR:HG22	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2542)	1:48:A:ASN:HD22	1:44:A:THR:HG23	8	0.23
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	2	0.23
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	2	0.23
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	2	0.23
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	2	0.23
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	9	0.23
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	9	0.23
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	9	0.23
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	9	0.23
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	9	0.23
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	9	0.23
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	9	0.23
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	9	0.23
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	9	0.23
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD11	7	0.23
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD12	7	0.23
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD13	7	0.23
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD21	7	0.23
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD22	7	0.23
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD23	7	0.23
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD11	11	0.23
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD12	11	0.23
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD13	11	0.23
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD21	11	0.23
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD22	11	0.23
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD23	11	0.23
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG21	4	0.23
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG22	4	0.23
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG23	4	0.23
(1,2418)	1:48:A:ASN:HD22	1:44:A:THR:HG21	8	0.23
(1,2418)	1:48:A:ASN:HD22	1:44:A:THR:HG22	8	0.23
(1,2418)	1:48:A:ASN:HD22	1:44:A:THR:HG23	8	0.23
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	2	0.23
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	2	0.23
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	2	0.23
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	2	0.23
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	9	0.23
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	9	0.23
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	9	0.23
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	9	0.23
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	9	0.23
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	9	0.23
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	9	0.23
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	9	0.23
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD11	7	0.23
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD12	7	0.23
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD13	7	0.23
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD21	7	0.23
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD22	7	0.23
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD23	7	0.23
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD11	11	0.23
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD12	11	0.23
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD13	11	0.23
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD21	11	0.23
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD22	11	0.23
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD23	11	0.23
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG21	4	0.23
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG22	4	0.23
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG23	4	0.23
(1,2294)	1:48:A:ASN:HD22	1:44:A:THR:HG21	8	0.23
(1,2294)	1:48:A:ASN:HD22	1:44:A:THR:HG22	8	0.23
(1,2294)	1:48:A:ASN:HD22	1:44:A:THR:HG23	8	0.23
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	2	0.23
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	2	0.23
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	2	0.23
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	2	0.23
(1,2188)	1:96:A:TYR:HB3	1:97:A:VAL:HA	10	0.23
(1,2188)	1:96:A:TYR:HB2	1:97:A:VAL:HA	10	0.23
(1,2177)	1:94:A:ARG:HA	1:97:A:VAL:HB	4	0.23
(1,2174)	1:94:A:ARG:HB2	1:95:A:SER:H	4	0.23
(1,2174)	1:94:A:ARG:HB3	1:95:A:SER:H	4	0.23
(1,2141)	1:89:A:ALA:HA	1:92:A:MET:HG2	13	0.23
(1,2141)	1:89:A:ALA:HA	1:92:A:MET:HG3	13	0.23
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB1	8	0.23
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB2	8	0.23
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB3	8	0.23
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB2	13	0.23
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB3	13	0.23
(1,2036)	1:78:A:LEU:H	1:77:A:GLU:HB3	10	0.23
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB1	9	0.23
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB2	9	0.23
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB3	9	0.23
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB1	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB2	15	0.23
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB3	15	0.23
(1,2031)	1:77:A:GLU:HA	1:80:A:ALA:H	4	0.23
(1,2007)	1:75:A:THR:H	1:71:A:LEU:HA	4	0.23
(1,1996)	1:73:A:ASN:HB2	1:74:A:LEU:HA	5	0.23
(1,1996)	1:73:A:ASN:HB3	1:74:A:LEU:HA	5	0.23
(1,1996)	1:73:A:ASN:HB2	1:74:A:LEU:HA	7	0.23
(1,1996)	1:73:A:ASN:HB3	1:74:A:LEU:HA	7	0.23
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG21	3	0.23
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG22	3	0.23
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG23	3	0.23
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG21	9	0.23
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG22	9	0.23
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG23	9	0.23
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB2	1	0.23
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB3	1	0.23
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB2	13	0.23
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB3	13	0.23
(1,1909)	1:64:A:LYS:H	1:62:A:SER:HA	2	0.23
(1,1901)	1:63:A:LEU:H	1:62:A:SER:HB2	12	0.23
(1,1886)	1:61:A:ASP:HB2	1:62:A:SER:H	4	0.23
(1,1886)	1:61:A:ASP:HB3	1:62:A:SER:H	4	0.23
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD11	11	0.23
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD12	11	0.23
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD13	11	0.23
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD21	11	0.23
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD22	11	0.23
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD23	11	0.23
(1,1858)	1:54:A:LEU:H	1:53:A:GLU:HG2	13	0.23
(1,1858)	1:54:A:LEU:H	1:53:A:GLU:HG3	13	0.23
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB1	5	0.23
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB2	5	0.23
(1,1802)	1:44:A:THR:H	1:43:A:ALA:HB3	5	0.23
(1,1796)	1:43:A:ALA:H	1:42:A:LEU:H	6	0.23
(1,1737)	1:29:A:VAL:HA	1:33:A:ALA:H	2	0.23
(1,1684)	1:18:A:VAL:H	1:17:A:LEU:HG	2	0.23
(1,1657)	1:14:A:ILE:H	1:13:A:PHE:HB2	15	0.23
(1,1657)	1:14:A:ILE:H	1:13:A:PHE:HB3	15	0.23
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD1	13	0.23
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD2	13	0.23
(1,1584)	1:4:A:ILE:HD11	1:8:A:GLU:HB2	6	0.23
(1,1584)	1:4:A:ILE:HD12	1:8:A:GLU:HB2	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1584)	1:4:A:ILE:HD13	1:8:A:GLU:HB2	6	0.23
(1,1579)	1:4:A:ILE:HG12	1:5:A:GLY:H	3	0.23
(1,1579)	1:4:A:ILE:HG13	1:5:A:GLY:H	3	0.23
(1,1558)	1:2:A:PHE:HD1	1:4:A:ILE:HD11	11	0.23
(1,1558)	1:2:A:PHE:HD1	1:4:A:ILE:HD12	11	0.23
(1,1558)	1:2:A:PHE:HD1	1:4:A:ILE:HD13	11	0.23
(1,1558)	1:2:A:PHE:HD2	1:4:A:ILE:HD11	11	0.23
(1,1558)	1:2:A:PHE:HD2	1:4:A:ILE:HD12	11	0.23
(1,1558)	1:2:A:PHE:HD2	1:4:A:ILE:HD13	11	0.23
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD11	7	0.23
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD12	7	0.23
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD13	7	0.23
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD11	7	0.23
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD12	7	0.23
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD13	7	0.23
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB1	5	0.23
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB2	5	0.23
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB3	5	0.23
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB1	15	0.23
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB2	15	0.23
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB3	15	0.23
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG21	10	0.23
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG22	10	0.23
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG23	10	0.23
(1,1363)	1:35:A:TRP:HD1	1:36:A:ILE:H	5	0.23
(1,1363)	1:35:A:TRP:HD1	1:36:A:ILE:H	8	0.23
(1,1363)	1:35:A:TRP:HD1	1:36:A:ILE:H	15	0.23
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG21	3	0.23
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG22	3	0.23
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG23	3	0.23
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG21	1	0.23
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG22	1	0.23
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG23	1	0.23
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG21	10	0.23
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG22	10	0.23
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG23	10	0.23
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG21	13	0.23
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG22	13	0.23
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG23	13	0.23
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG21	14	0.23
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG22	14	0.23
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG23	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB2	1	0.23
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB3	1	0.23
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB2	1	0.23
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB3	1	0.23
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB2	2	0.23
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB3	2	0.23
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB2	2	0.23
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB3	2	0.23
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB2	10	0.23
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB3	10	0.23
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB2	10	0.23
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB3	10	0.23
(1,991)	1:11:A:LEU:H	1:9:A:LEU:HA	6	0.23
(1,871)	1:103:A:GLU:H	1:102:A:LEU:HD21	7	0.23
(1,871)	1:103:A:GLU:H	1:102:A:LEU:HD22	7	0.23
(1,871)	1:103:A:GLU:H	1:102:A:LEU:HD23	7	0.23
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG11	5	0.23
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG12	5	0.23
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG13	5	0.23
(1,203)	1:1:A:MET:HE1	1:3:A:ASP:H	13	0.23
(1,203)	1:1:A:MET:HE2	1:3:A:ASP:H	13	0.23
(1,203)	1:1:A:MET:HE3	1:3:A:ASP:H	13	0.23
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB1	6	0.23
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB2	6	0.23
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB3	6	0.23
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB1	6	0.23
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB2	6	0.23
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB3	6	0.23
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB1	6	0.23
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB2	6	0.23
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB3	6	0.23
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG11	4	0.23
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG12	4	0.23
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG13	4	0.23
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG11	5	0.23
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG12	5	0.23
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG13	5	0.23
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG11	8	0.23
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG12	8	0.23
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG13	8	0.23
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG11	13	0.23
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG12	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG13	13	0.23
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG11	15	0.23
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG12	15	0.23
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG13	15	0.23
(1,20)	1:12:A:VAL:H	1:15:A:ILE:HD11	13	0.23
(1,20)	1:12:A:VAL:H	1:15:A:ILE:HD12	13	0.23
(1,20)	1:12:A:VAL:H	1:15:A:ILE:HD13	13	0.23
(4,163)	1:89:A:ALA:O	1:93:A:LYS:N	2	0.22
(4,163)	1:89:A:ALA:O	1:93:A:LYS:N	5	0.22
(4,163)	1:89:A:ALA:O	1:93:A:LYS:N	9	0.22
(4,163)	1:89:A:ALA:O	1:93:A:LYS:N	11	0.22
(4,159)	1:85:A:LEU:O	1:89:A:ALA:N	3	0.22
(4,159)	1:85:A:LEU:O	1:89:A:ALA:N	6	0.22
(4,159)	1:85:A:LEU:O	1:89:A:ALA:N	8	0.22
(4,159)	1:85:A:LEU:O	1:89:A:ALA:N	9	0.22
(4,159)	1:85:A:LEU:O	1:89:A:ALA:N	15	0.22
(4,155)	1:81:A:SER:O	1:85:A:LEU:N	1	0.22
(4,155)	1:81:A:SER:O	1:85:A:LEU:N	2	0.22
(4,145)	1:63:A:LEU:O	1:67:A:GLU:N	1	0.22
(4,137)	1:42:A:LEU:O	1:46:A:VAL:N	1	0.22
(4,137)	1:42:A:LEU:O	1:46:A:VAL:N	4	0.22
(4,137)	1:42:A:LEU:O	1:46:A:VAL:N	6	0.22
(4,137)	1:42:A:LEU:O	1:46:A:VAL:N	14	0.22
(4,136)	1:41:A:SER:O	1:45:A:THR:N	9	0.22
(4,134)	1:39:A:LEU:O	1:43:A:ALA:N	15	0.22
(4,123)	1:28:A:ALA:O	1:32:A:VAL:N	6	0.22
(4,123)	1:28:A:ALA:O	1:32:A:VAL:N	13	0.22
(4,117)	1:12:A:VAL:O	1:16:A:GLY:N	10	0.22
(4,115)	1:10:A:LEU:O	1:14:A:ILE:N	11	0.22
(4,111)	1:6:A:PHE:O	1:10:A:LEU:N	2	0.22
(4,109)	1:92:A:MET:O	1:96:A:TYR:H	13	0.22
(4,109)	1:92:A:MET:O	1:96:A:TYR:H	15	0.22
(4,73)	1:66:A:VAL:O	1:70:A:SER:H	10	0.22
(4,61)	1:60:A:GLN:O	1:64:A:LYS:H	14	0.22
(4,53)	1:42:A:LEU:O	1:46:A:VAL:H	8	0.22
(4,53)	1:42:A:LEU:O	1:46:A:VAL:H	9	0.22
(4,32)	1:31:A:THR:O	1:35:A:TRP:N	4	0.22
(4,32)	1:31:A:THR:O	1:35:A:TRP:N	8	0.22
(4,32)	1:31:A:THR:O	1:35:A:TRP:N	12	0.22
(4,32)	1:31:A:THR:O	1:35:A:TRP:N	14	0.22
(4,32)	1:31:A:THR:O	1:35:A:TRP:N	15	0.22
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD11	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD12	3	0.22
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD13	3	0.22
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD11	9	0.22
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD12	9	0.22
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD13	9	0.22
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	1	0.22
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	1	0.22
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	1	0.22
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	1	0.22
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	5	0.22
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	5	0.22
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	5	0.22
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	5	0.22
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	9	0.22
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	9	0.22
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	9	0.22
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	9	0.22
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	13	0.22
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	13	0.22
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	13	0.22
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	13	0.22
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	14	0.22
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	14	0.22
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	14	0.22
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	14	0.22
(2,608)	1:56:A:LEU:HB3	1:51:A:THR:H	11	0.22
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG2	14	0.22
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG3	14	0.22
(2,601)	1:51:A:THR:HB	1:54:A:LEU:H	10	0.22
(2,595)	1:49:A:GLU:HA	1:54:A:LEU:H	8	0.22
(2,595)	1:49:A:GLU:HA	1:54:A:LEU:H	13	0.22
(2,595)	1:49:A:GLU:HA	1:54:A:LEU:H	14	0.22
(2,593)	1:49:A:GLU:HA	1:51:A:THR:HG21	14	0.22
(2,593)	1:49:A:GLU:HA	1:51:A:THR:HG22	14	0.22
(2,593)	1:49:A:GLU:HA	1:51:A:THR:HG23	14	0.22
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD11	3	0.22
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD12	3	0.22
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD13	3	0.22
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD11	9	0.22
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD12	9	0.22
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD13	9	0.22
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	1	0.22
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	1	0.22
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	1	0.22
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	5	0.22
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	5	0.22
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	5	0.22
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	5	0.22
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	9	0.22
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	9	0.22
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	9	0.22
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	9	0.22
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	13	0.22
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	13	0.22
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	13	0.22
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	13	0.22
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	14	0.22
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	14	0.22
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	14	0.22
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	14	0.22
(2,533)	1:56:A:LEU:HB3	1:51:A:THR:H	11	0.22
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG2	14	0.22
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG3	14	0.22
(2,526)	1:51:A:THR:HB	1:54:A:LEU:H	10	0.22
(2,520)	1:49:A:GLU:HA	1:54:A:LEU:H	8	0.22
(2,520)	1:49:A:GLU:HA	1:54:A:LEU:H	13	0.22
(2,520)	1:49:A:GLU:HA	1:54:A:LEU:H	14	0.22
(2,518)	1:49:A:GLU:HA	1:51:A:THR:HG21	14	0.22
(2,518)	1:49:A:GLU:HA	1:51:A:THR:HG22	14	0.22
(2,518)	1:49:A:GLU:HA	1:51:A:THR:HG23	14	0.22
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD11	3	0.22
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD12	3	0.22
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD13	3	0.22
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD11	9	0.22
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD12	9	0.22
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD13	9	0.22
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	1	0.22
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	1	0.22
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	1	0.22
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	1	0.22
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	5	0.22
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	5	0.22
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	5	0.22
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	9	0.22
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	9	0.22
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	9	0.22
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	9	0.22
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	13	0.22
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	13	0.22
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	13	0.22
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	13	0.22
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	14	0.22
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	14	0.22
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	14	0.22
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	14	0.22
(2,458)	1:56:A:LEU:HB3	1:51:A:THR:H	11	0.22
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG2	14	0.22
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG3	14	0.22
(2,451)	1:51:A:THR:HB	1:54:A:LEU:H	10	0.22
(2,445)	1:49:A:GLU:HA	1:54:A:LEU:H	8	0.22
(2,445)	1:49:A:GLU:HA	1:54:A:LEU:H	13	0.22
(2,445)	1:49:A:GLU:HA	1:54:A:LEU:H	14	0.22
(2,443)	1:49:A:GLU:HA	1:51:A:THR:HG21	14	0.22
(2,443)	1:49:A:GLU:HA	1:51:A:THR:HG22	14	0.22
(2,443)	1:49:A:GLU:HA	1:51:A:THR:HG23	14	0.22
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD11	3	0.22
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD12	3	0.22
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD13	3	0.22
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD11	9	0.22
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD12	9	0.22
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD13	9	0.22
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	1	0.22
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	1	0.22
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	1	0.22
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	1	0.22
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	5	0.22
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	5	0.22
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	5	0.22
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	5	0.22
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	9	0.22
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	9	0.22
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	9	0.22
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	9	0.22
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	13	0.22
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	13	0.22
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	13	0.22
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	14	0.22
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	14	0.22
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	14	0.22
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	14	0.22
(2,383)	1:56:A:LEU:HB3	1:51:A:THR:H	11	0.22
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG2	14	0.22
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG3	14	0.22
(2,376)	1:51:A:THR:HB	1:54:A:LEU:H	10	0.22
(2,370)	1:49:A:GLU:HA	1:54:A:LEU:H	8	0.22
(2,370)	1:49:A:GLU:HA	1:54:A:LEU:H	13	0.22
(2,370)	1:49:A:GLU:HA	1:54:A:LEU:H	14	0.22
(2,368)	1:49:A:GLU:HA	1:51:A:THR:HG21	14	0.22
(2,368)	1:49:A:GLU:HA	1:51:A:THR:HG22	14	0.22
(2,368)	1:49:A:GLU:HA	1:51:A:THR:HG23	14	0.22
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD11	3	0.22
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD12	3	0.22
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD13	3	0.22
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD11	9	0.22
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD12	9	0.22
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD13	9	0.22
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	1	0.22
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	1	0.22
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	1	0.22
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	1	0.22
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	5	0.22
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	5	0.22
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	5	0.22
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	5	0.22
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	9	0.22
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	9	0.22
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	9	0.22
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	9	0.22
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	13	0.22
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	13	0.22
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	13	0.22
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	13	0.22
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	14	0.22
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	14	0.22
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	14	0.22
(2,308)	1:56:A:LEU:HB3	1:51:A:THR:H	11	0.22
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG2	14	0.22
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG3	14	0.22
(2,301)	1:51:A:THR:HB	1:54:A:LEU:H	10	0.22
(2,295)	1:49:A:GLU:HA	1:54:A:LEU:H	8	0.22
(2,295)	1:49:A:GLU:HA	1:54:A:LEU:H	13	0.22
(2,295)	1:49:A:GLU:HA	1:54:A:LEU:H	14	0.22
(2,293)	1:49:A:GLU:HA	1:51:A:THR:HG21	14	0.22
(2,293)	1:49:A:GLU:HA	1:51:A:THR:HG22	14	0.22
(2,293)	1:49:A:GLU:HA	1:51:A:THR:HG23	14	0.22
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD11	9	0.22
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD12	9	0.22
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD13	9	0.22
(2,221)	1:96:A:TYR:HA	1:99:A:ASN:HB2	2	0.22
(2,221)	1:96:A:TYR:HA	1:99:A:ASN:HB3	2	0.22
(2,174)	1:69:A:ALA:HA	1:73:A:ASN:HD21	15	0.22
(2,174)	1:69:A:ALA:HA	1:73:A:ASN:HD22	15	0.22
(2,66)	1:56:A:LEU:HB2	1:60:A:GLN:HB2	2	0.22
(1,2819)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	11	0.22
(1,2819)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	11	0.22
(1,2790)	1:48:A:ASN:HD22	1:44:A:THR:HG21	2	0.22
(1,2790)	1:48:A:ASN:HD22	1:44:A:THR:HG22	2	0.22
(1,2790)	1:48:A:ASN:HD22	1:44:A:THR:HG23	2	0.22
(1,2695)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	11	0.22
(1,2695)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	11	0.22
(1,2666)	1:48:A:ASN:HD22	1:44:A:THR:HG21	2	0.22
(1,2666)	1:48:A:ASN:HD22	1:44:A:THR:HG22	2	0.22
(1,2666)	1:48:A:ASN:HD22	1:44:A:THR:HG23	2	0.22
(1,2571)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	11	0.22
(1,2571)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	11	0.22
(1,2542)	1:48:A:ASN:HD22	1:44:A:THR:HG21	2	0.22
(1,2542)	1:48:A:ASN:HD22	1:44:A:THR:HG22	2	0.22
(1,2542)	1:48:A:ASN:HD22	1:44:A:THR:HG23	2	0.22
(1,2447)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	11	0.22
(1,2447)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	11	0.22
(1,2418)	1:48:A:ASN:HD22	1:44:A:THR:HG21	2	0.22
(1,2418)	1:48:A:ASN:HD22	1:44:A:THR:HG22	2	0.22
(1,2418)	1:48:A:ASN:HD22	1:44:A:THR:HG23	2	0.22
(1,2323)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	11	0.22
(1,2323)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	11	0.22
(1,2294)	1:48:A:ASN:HD22	1:44:A:THR:HG21	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2294)	1:48:A:ASN:HD22	1:44:A:THR:HG22	2	0.22
(1,2294)	1:48:A:ASN:HD22	1:44:A:THR:HG23	2	0.22
(1,2234)	1:101:A:PRO:HD2	1:103:A:GLU:H	2	0.22
(1,2234)	1:101:A:PRO:HD3	1:103:A:GLU:H	2	0.22
(1,2174)	1:94:A:ARG:HB2	1:95:A:SER:H	10	0.22
(1,2174)	1:94:A:ARG:HB3	1:95:A:SER:H	10	0.22
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB1	13	0.22
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB2	13	0.22
(1,2122)	1:86:A:ARG:HA	1:89:A:ALA:HB3	13	0.22
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB1	12	0.22
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB2	12	0.22
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB3	12	0.22
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB1	3	0.22
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB2	3	0.22
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB3	3	0.22
(1,2031)	1:77:A:GLU:HA	1:80:A:ALA:H	11	0.22
(1,2021)	1:76:A:PRO:HA	1:80:A:ALA:H	2	0.22
(1,2019)	1:76:A:PRO:HA	1:79:A:LYS:HG2	10	0.22
(1,2019)	1:76:A:PRO:HA	1:79:A:LYS:HG3	10	0.22
(1,1988)	1:73:A:ASN:HB2	1:72:A:THR:HB	13	0.22
(1,1988)	1:73:A:ASN:HB3	1:72:A:THR:HB	13	0.22
(1,1987)	1:73:A:ASN:HD21	1:72:A:THR:HB	3	0.22
(1,1987)	1:73:A:ASN:HD22	1:72:A:THR:HB	3	0.22
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG21	15	0.22
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG22	15	0.22
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG23	15	0.22
(1,1967)	1:70:A:SER:H	1:72:A:THR:H	15	0.22
(1,1954)	1:68:A:LYS:H	1:67:A:GLU:HB2	6	0.22
(1,1926)	1:65:A:LYS:H	1:64:A:LYS:H	5	0.22
(1,1916)	1:65:A:LYS:H	1:61:A:ASP:HA	5	0.22
(1,1796)	1:43:A:ALA:H	1:42:A:LEU:H	1	0.22
(1,1786)	1:42:A:LEU:H	1:41:A:SER:HB2	3	0.22
(1,1786)	1:42:A:LEU:H	1:41:A:SER:HB3	3	0.22
(1,1786)	1:42:A:LEU:H	1:41:A:SER:HB2	6	0.22
(1,1786)	1:42:A:LEU:H	1:41:A:SER:HB3	6	0.22
(1,1767)	1:37:A:ARG:HB2	1:38:A:ALA:H	6	0.22
(1,1767)	1:37:A:ARG:HB3	1:38:A:ALA:H	6	0.22
(1,1724)	1:27:A:VAL:H	1:28:A:ALA:H	3	0.22
(1,1724)	1:27:A:VAL:H	1:28:A:ALA:H	6	0.22
(1,1724)	1:27:A:VAL:H	1:28:A:ALA:H	7	0.22
(1,1724)	1:27:A:VAL:H	1:28:A:ALA:H	9	0.22
(1,1691)	1:20:A:LEU:H	1:19:A:VAL:HB	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1657)	1:14:A:ILE:H	1:13:A:PHE:HB2	8	0.22
(1,1657)	1:14:A:ILE:H	1:13:A:PHE:HB3	8	0.22
(1,1637)	1:13:A:PHE:H	1:12:A:VAL:HB	13	0.22
(1,1624)	1:10:A:LEU:HA	1:13:A:PHE:HB2	4	0.22
(1,1624)	1:10:A:LEU:HA	1:13:A:PHE:HB3	4	0.22
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG11	10	0.22
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG12	10	0.22
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG13	10	0.22
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG21	10	0.22
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG22	10	0.22
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG23	10	0.22
(1,1611)	1:8:A:GLU:H	1:7:A:SER:HB2	13	0.22
(1,1611)	1:8:A:GLU:H	1:7:A:SER:HB3	13	0.22
(1,1587)	1:6:A:PHE:H	1:4:A:ILE:HA	3	0.22
(1,1587)	1:6:A:PHE:H	1:4:A:ILE:HA	8	0.22
(1,1435)	1:57:A:GLN:HG2	1:61:A:ASP:H	11	0.22
(1,1435)	1:57:A:GLN:HG3	1:61:A:ASP:H	11	0.22
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB1	12	0.22
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB2	12	0.22
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB3	12	0.22
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB1	14	0.22
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB2	14	0.22
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB3	14	0.22
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG21	3	0.22
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG22	3	0.22
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG23	3	0.22
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG21	4	0.22
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG22	4	0.22
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG23	4	0.22
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG21	7	0.22
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG22	7	0.22
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG23	7	0.22
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG21	9	0.22
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG22	9	0.22
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG23	9	0.22
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG21	15	0.22
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG22	15	0.22
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG23	15	0.22
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD11	13	0.22
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD12	13	0.22
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD13	13	0.22
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD11	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD12	13	0.22
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD13	13	0.22
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB2	6	0.22
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB3	6	0.22
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB2	6	0.22
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB3	6	0.22
(1,991)	1:11:A:LEU:H	1:9:A:LEU:HA	5	0.22
(1,979)	1:101:A:PRO:HD2	1:102:A:LEU:HG	7	0.22
(1,979)	1:101:A:PRO:HD3	1:102:A:LEU:HG	7	0.22
(1,952)	1:42:A:LEU:HD11	1:45:A:THR:HG21	13	0.22
(1,952)	1:42:A:LEU:HD11	1:45:A:THR:HG22	13	0.22
(1,952)	1:42:A:LEU:HD11	1:45:A:THR:HG23	13	0.22
(1,952)	1:42:A:LEU:HD12	1:45:A:THR:HG21	13	0.22
(1,952)	1:42:A:LEU:HD12	1:45:A:THR:HG22	13	0.22
(1,952)	1:42:A:LEU:HD12	1:45:A:THR:HG23	13	0.22
(1,952)	1:42:A:LEU:HD13	1:45:A:THR:HG21	13	0.22
(1,952)	1:42:A:LEU:HD13	1:45:A:THR:HG22	13	0.22
(1,952)	1:42:A:LEU:HD13	1:45:A:THR:HG23	13	0.22
(1,952)	1:42:A:LEU:HD21	1:45:A:THR:HG21	13	0.22
(1,952)	1:42:A:LEU:HD21	1:45:A:THR:HG22	13	0.22
(1,952)	1:42:A:LEU:HD21	1:45:A:THR:HG23	13	0.22
(1,952)	1:42:A:LEU:HD22	1:45:A:THR:HG21	13	0.22
(1,952)	1:42:A:LEU:HD22	1:45:A:THR:HG22	13	0.22
(1,952)	1:42:A:LEU:HD22	1:45:A:THR:HG23	13	0.22
(1,952)	1:42:A:LEU:HD23	1:45:A:THR:HG21	13	0.22
(1,952)	1:42:A:LEU:HD23	1:45:A:THR:HG22	13	0.22
(1,952)	1:42:A:LEU:HD23	1:45:A:THR:HG23	13	0.22
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG11	12	0.22
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG12	12	0.22
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG13	12	0.22
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG11	14	0.22
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG12	14	0.22
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG13	14	0.22
(1,27)	1:14:A:ILE:HB	1:15:A:ILE:HG21	11	0.22
(1,27)	1:14:A:ILE:HB	1:15:A:ILE:HG22	11	0.22
(1,27)	1:14:A:ILE:HB	1:15:A:ILE:HG23	11	0.22
(4,163)	1:89:A:ALA:O	1:93:A:LYS:N	1	0.21
(4,163)	1:89:A:ALA:O	1:93:A:LYS:N	4	0.21
(4,159)	1:85:A:LEU:O	1:89:A:ALA:N	1	0.21
(4,159)	1:85:A:LEU:O	1:89:A:ALA:N	2	0.21
(4,159)	1:85:A:LEU:O	1:89:A:ALA:N	4	0.21
(4,159)	1:85:A:LEU:O	1:89:A:ALA:N	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,159)	1:85:A:LEU:O	1:89:A:ALA:N	10	0.21
(4,159)	1:85:A:LEU:O	1:89:A:ALA:N	11	0.21
(4,159)	1:85:A:LEU:O	1:89:A:ALA:N	12	0.21
(4,159)	1:85:A:LEU:O	1:89:A:ALA:N	13	0.21
(4,159)	1:85:A:LEU:O	1:89:A:ALA:N	14	0.21
(4,153)	1:79:A:LYS:O	1:83:A:ASP:N	6	0.21
(4,153)	1:79:A:LYS:O	1:83:A:ASP:N	8	0.21
(4,137)	1:42:A:LEU:O	1:46:A:VAL:N	7	0.21
(4,137)	1:42:A:LEU:O	1:46:A:VAL:N	12	0.21
(4,136)	1:41:A:SER:O	1:45:A:THR:N	8	0.21
(4,127)	1:32:A:VAL:O	1:36:A:ILE:N	4	0.21
(4,127)	1:32:A:VAL:O	1:36:A:ILE:N	5	0.21
(4,127)	1:32:A:VAL:O	1:36:A:ILE:N	8	0.21
(4,127)	1:32:A:VAL:O	1:36:A:ILE:N	12	0.21
(4,127)	1:32:A:VAL:O	1:36:A:ILE:N	13	0.21
(4,127)	1:32:A:VAL:O	1:36:A:ILE:N	14	0.21
(4,127)	1:32:A:VAL:O	1:36:A:ILE:N	15	0.21
(4,121)	1:26:A:PRO:O	1:30:A:LYS:N	11	0.21
(4,117)	1:12:A:VAL:O	1:16:A:GLY:N	3	0.21
(4,117)	1:12:A:VAL:O	1:16:A:GLY:N	5	0.21
(4,117)	1:12:A:VAL:O	1:16:A:GLY:N	15	0.21
(4,114)	1:9:A:LEU:O	1:13:A:PHE:N	6	0.21
(4,53)	1:42:A:LEU:O	1:46:A:VAL:H	2	0.21
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD11	15	0.21
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD12	15	0.21
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD13	15	0.21
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD21	6	0.21
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD22	6	0.21
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD23	6	0.21
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD21	8	0.21
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD22	8	0.21
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD23	8	0.21
(2,620)	1:59:A:PHE:H	1:54:A:LEU:HD11	14	0.21
(2,620)	1:59:A:PHE:H	1:54:A:LEU:HD12	14	0.21
(2,620)	1:59:A:PHE:H	1:54:A:LEU:HD13	14	0.21
(2,620)	1:59:A:PHE:H	1:54:A:LEU:HD21	14	0.21
(2,620)	1:59:A:PHE:H	1:54:A:LEU:HD22	14	0.21
(2,620)	1:59:A:PHE:H	1:54:A:LEU:HD23	14	0.21
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	8	0.21
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	8	0.21
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	8	0.21
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,595)	1:49:A:GLU:HA	1:54:A:LEU:H	1	0.21
(2,595)	1:49:A:GLU:HA	1:54:A:LEU:H	9	0.21
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD11	15	0.21
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD12	15	0.21
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD13	15	0.21
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD21	6	0.21
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD22	6	0.21
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD23	6	0.21
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD21	8	0.21
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD22	8	0.21
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD23	8	0.21
(2,545)	1:59:A:PHE:H	1:54:A:LEU:HD11	14	0.21
(2,545)	1:59:A:PHE:H	1:54:A:LEU:HD12	14	0.21
(2,545)	1:59:A:PHE:H	1:54:A:LEU:HD13	14	0.21
(2,545)	1:59:A:PHE:H	1:54:A:LEU:HD21	14	0.21
(2,545)	1:59:A:PHE:H	1:54:A:LEU:HD22	14	0.21
(2,545)	1:59:A:PHE:H	1:54:A:LEU:HD23	14	0.21
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	8	0.21
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	8	0.21
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	8	0.21
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	8	0.21
(2,520)	1:49:A:GLU:HA	1:54:A:LEU:H	1	0.21
(2,520)	1:49:A:GLU:HA	1:54:A:LEU:H	9	0.21
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD11	15	0.21
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD12	15	0.21
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD13	15	0.21
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD21	6	0.21
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD22	6	0.21
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD23	6	0.21
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD21	8	0.21
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD22	8	0.21
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD23	8	0.21
(2,470)	1:59:A:PHE:H	1:54:A:LEU:HD11	14	0.21
(2,470)	1:59:A:PHE:H	1:54:A:LEU:HD12	14	0.21
(2,470)	1:59:A:PHE:H	1:54:A:LEU:HD13	14	0.21
(2,470)	1:59:A:PHE:H	1:54:A:LEU:HD21	14	0.21
(2,470)	1:59:A:PHE:H	1:54:A:LEU:HD22	14	0.21
(2,470)	1:59:A:PHE:H	1:54:A:LEU:HD23	14	0.21
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	8	0.21
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	8	0.21
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	8	0.21
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,445)	1:49:A:GLU:HA	1:54:A:LEU:H	1	0.21
(2,445)	1:49:A:GLU:HA	1:54:A:LEU:H	9	0.21
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD11	15	0.21
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD12	15	0.21
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD13	15	0.21
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD21	6	0.21
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD22	6	0.21
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD23	6	0.21
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD21	8	0.21
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD22	8	0.21
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD23	8	0.21
(2,395)	1:59:A:PHE:H	1:54:A:LEU:HD11	14	0.21
(2,395)	1:59:A:PHE:H	1:54:A:LEU:HD12	14	0.21
(2,395)	1:59:A:PHE:H	1:54:A:LEU:HD13	14	0.21
(2,395)	1:59:A:PHE:H	1:54:A:LEU:HD21	14	0.21
(2,395)	1:59:A:PHE:H	1:54:A:LEU:HD22	14	0.21
(2,395)	1:59:A:PHE:H	1:54:A:LEU:HD23	14	0.21
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	8	0.21
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	8	0.21
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	8	0.21
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	8	0.21
(2,370)	1:49:A:GLU:HA	1:54:A:LEU:H	1	0.21
(2,370)	1:49:A:GLU:HA	1:54:A:LEU:H	9	0.21
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD11	15	0.21
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD12	15	0.21
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD13	15	0.21
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD21	6	0.21
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD22	6	0.21
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD23	6	0.21
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD21	8	0.21
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD22	8	0.21
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD23	8	0.21
(2,320)	1:59:A:PHE:H	1:54:A:LEU:HD11	14	0.21
(2,320)	1:59:A:PHE:H	1:54:A:LEU:HD12	14	0.21
(2,320)	1:59:A:PHE:H	1:54:A:LEU:HD13	14	0.21
(2,320)	1:59:A:PHE:H	1:54:A:LEU:HD21	14	0.21
(2,320)	1:59:A:PHE:H	1:54:A:LEU:HD22	14	0.21
(2,320)	1:59:A:PHE:H	1:54:A:LEU:HD23	14	0.21
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	8	0.21
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	8	0.21
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	8	0.21
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,295)	1:49:A:GLU:HA	1:54:A:LEU:H	1	0.21
(2,295)	1:49:A:GLU:HA	1:54:A:LEU:H	9	0.21
(2,266)	1:74:A:LEU:HB2	1:73:A:ASN:HB3	6	0.21
(2,252)	1:71:A:LEU:HB2	1:72:A:THR:HB	9	0.21
(2,138)	1:35:A:TRP:H	1:32:A:VAL:HB	8	0.21
(2,138)	1:35:A:TRP:H	1:32:A:VAL:HB	12	0.21
(2,138)	1:35:A:TRP:H	1:32:A:VAL:HB	15	0.21
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG21	4	0.21
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG22	4	0.21
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG23	4	0.21
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	3	0.21
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	3	0.21
(1,2857)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	3	0.21
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	3	0.21
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	3	0.21
(1,2857)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	3	0.21
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	3	0.21
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	3	0.21
(1,2857)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	3	0.21
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD11	2	0.21
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD12	2	0.21
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD13	2	0.21
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD21	2	0.21
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD22	2	0.21
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD23	2	0.21
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD11	10	0.21
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD12	10	0.21
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD13	10	0.21
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD21	10	0.21
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD22	10	0.21
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD23	10	0.21
(1,2822)	1:56:A:LEU:HA	1:59:A:PHE:HD1	2	0.21
(1,2822)	1:56:A:LEU:HA	1:59:A:PHE:HD2	2	0.21
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	2	0.21
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	2	0.21
(1,2746)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	2	0.21
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	2	0.21
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	2	0.21
(1,2746)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	2	0.21
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	3	0.21
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	3	0.21
(1,2733)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	3	0.21
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	3	0.21
(1,2733)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	3	0.21
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	3	0.21
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	3	0.21
(1,2733)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	3	0.21
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD11	2	0.21
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD12	2	0.21
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD13	2	0.21
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD21	2	0.21
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD22	2	0.21
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD23	2	0.21
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD11	10	0.21
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD12	10	0.21
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD13	10	0.21
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD21	10	0.21
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD22	10	0.21
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD23	10	0.21
(1,2698)	1:56:A:LEU:HA	1:59:A:PHE:HD1	2	0.21
(1,2698)	1:56:A:LEU:HA	1:59:A:PHE:HD2	2	0.21
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	2	0.21
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	2	0.21
(1,2622)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	2	0.21
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	2	0.21
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	2	0.21
(1,2622)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	2	0.21
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	3	0.21
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	3	0.21
(1,2609)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	3	0.21
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	3	0.21
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	3	0.21
(1,2609)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	3	0.21
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	3	0.21
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	3	0.21
(1,2609)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	3	0.21
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD11	2	0.21
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD12	2	0.21
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD13	2	0.21
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD21	2	0.21
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD22	2	0.21
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD23	2	0.21
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD11	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD12	10	0.21
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD13	10	0.21
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD21	10	0.21
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD22	10	0.21
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD23	10	0.21
(1,2574)	1:56:A:LEU:HA	1:59:A:PHE:HD1	2	0.21
(1,2574)	1:56:A:LEU:HA	1:59:A:PHE:HD2	2	0.21
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	2	0.21
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	2	0.21
(1,2498)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	2	0.21
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	2	0.21
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	2	0.21
(1,2498)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	2	0.21
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	3	0.21
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	3	0.21
(1,2485)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	3	0.21
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	3	0.21
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	3	0.21
(1,2485)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	3	0.21
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	3	0.21
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	3	0.21
(1,2485)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	3	0.21
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD11	2	0.21
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD12	2	0.21
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD13	2	0.21
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD21	2	0.21
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD22	2	0.21
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD23	2	0.21
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD11	10	0.21
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD12	10	0.21
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD13	10	0.21
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD21	10	0.21
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD22	10	0.21
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD23	10	0.21
(1,2450)	1:56:A:LEU:HA	1:59:A:PHE:HD1	2	0.21
(1,2450)	1:56:A:LEU:HA	1:59:A:PHE:HD2	2	0.21
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	2	0.21
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	2	0.21
(1,2374)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	2	0.21
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	2	0.21
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	2	0.21
(1,2374)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB1	3	0.21
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB2	3	0.21
(1,2361)	1:74:A:LEU:HD11	1:69:A:ALA:HB3	3	0.21
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB1	3	0.21
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB2	3	0.21
(1,2361)	1:74:A:LEU:HD12	1:69:A:ALA:HB3	3	0.21
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB1	3	0.21
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB2	3	0.21
(1,2361)	1:74:A:LEU:HD13	1:69:A:ALA:HB3	3	0.21
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD11	2	0.21
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD12	2	0.21
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD13	2	0.21
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD21	2	0.21
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD22	2	0.21
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD23	2	0.21
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD11	10	0.21
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD12	10	0.21
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD13	10	0.21
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD21	10	0.21
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD22	10	0.21
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD23	10	0.21
(1,2326)	1:56:A:LEU:HA	1:59:A:PHE:HD1	2	0.21
(1,2326)	1:56:A:LEU:HA	1:59:A:PHE:HD2	2	0.21
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG11	2	0.21
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG12	2	0.21
(1,2250)	1:13:A:PHE:HE1	1:29:A:VAL:HG13	2	0.21
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG11	2	0.21
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG12	2	0.21
(1,2250)	1:13:A:PHE:HE2	1:29:A:VAL:HG13	2	0.21
(1,2230)	1:101:A:PRO:HG2	1:102:A:LEU:H	13	0.21
(1,2230)	1:101:A:PRO:HG2	1:102:A:LEU:H	15	0.21
(1,2192)	1:96:A:TYR:HB3	1:97:A:VAL:H	8	0.21
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG11	10	0.21
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG12	10	0.21
(1,2191)	1:96:A:TYR:HD1	1:97:A:VAL:HG13	10	0.21
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG11	10	0.21
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG12	10	0.21
(1,2191)	1:96:A:TYR:HD2	1:97:A:VAL:HG13	10	0.21
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG21	13	0.21
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG22	13	0.21
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG23	13	0.21
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG21	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG22	15	0.21
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG23	15	0.21
(1,2174)	1:94:A:ARG:HB2	1:95:A:SER:H	2	0.21
(1,2174)	1:94:A:ARG:HB3	1:95:A:SER:H	2	0.21
(1,2096)	1:84:A:GLU:H	1:83:A:ASP:HB2	1	0.21
(1,2031)	1:77:A:GLU:HA	1:80:A:ALA:H	1	0.21
(1,2031)	1:77:A:GLU:HA	1:80:A:ALA:H	10	0.21
(1,2031)	1:77:A:GLU:HA	1:80:A:ALA:H	14	0.21
(1,2002)	1:74:A:LEU:H	1:71:A:LEU:HA	8	0.21
(1,1972)	1:71:A:LEU:H	1:69:A:ALA:HA	5	0.21
(1,1972)	1:71:A:LEU:H	1:69:A:ALA:HA	7	0.21
(1,1972)	1:71:A:LEU:H	1:69:A:ALA:HA	11	0.21
(1,1958)	1:69:A:ALA:H	1:65:A:LYS:HE2	1	0.21
(1,1958)	1:69:A:ALA:H	1:65:A:LYS:HE3	1	0.21
(1,1886)	1:61:A:ASP:HB2	1:62:A:SER:H	1	0.21
(1,1886)	1:61:A:ASP:HB3	1:62:A:SER:H	1	0.21
(1,1859)	1:54:A:LEU:H	1:53:A:GLU:HB2	1	0.21
(1,1859)	1:54:A:LEU:H	1:53:A:GLU:HB3	1	0.21
(1,1850)	1:52:A:GLN:H	1:51:A:THR:H	10	0.21
(1,1820)	1:46:A:VAL:HA	1:45:A:THR:HG21	10	0.21
(1,1820)	1:46:A:VAL:HA	1:45:A:THR:HG22	10	0.21
(1,1820)	1:46:A:VAL:HA	1:45:A:THR:HG23	10	0.21
(1,1796)	1:43:A:ALA:H	1:42:A:LEU:H	8	0.21
(1,1796)	1:43:A:ALA:H	1:42:A:LEU:H	10	0.21
(1,1796)	1:43:A:ALA:H	1:42:A:LEU:H	12	0.21
(1,1796)	1:43:A:ALA:H	1:42:A:LEU:H	13	0.21
(1,1796)	1:43:A:ALA:H	1:42:A:LEU:H	14	0.21
(1,1767)	1:37:A:ARG:HB2	1:38:A:ALA:H	14	0.21
(1,1767)	1:37:A:ARG:HB3	1:38:A:ALA:H	14	0.21
(1,1724)	1:27:A:VAL:H	1:28:A:ALA:H	4	0.21
(1,1724)	1:27:A:VAL:H	1:28:A:ALA:H	5	0.21
(1,1724)	1:27:A:VAL:H	1:28:A:ALA:H	8	0.21
(1,1724)	1:27:A:VAL:H	1:28:A:ALA:H	10	0.21
(1,1724)	1:27:A:VAL:H	1:28:A:ALA:H	11	0.21
(1,1724)	1:27:A:VAL:H	1:28:A:ALA:H	13	0.21
(1,1724)	1:27:A:VAL:H	1:28:A:ALA:H	14	0.21
(1,1724)	1:27:A:VAL:H	1:28:A:ALA:H	15	0.21
(1,1693)	1:21:A:GLY:H	1:17:A:LEU:HA	9	0.21
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG21	12	0.21
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG22	12	0.21
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG23	12	0.21
(1,1657)	1:14:A:ILE:H	1:13:A:PHE:HB2	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1657)	1:14:A:ILE:H	1:13:A:PHE:HB3	11	0.21
(1,1624)	1:10:A:LEU:HA	1:13:A:PHE:HB2	14	0.21
(1,1624)	1:10:A:LEU:HA	1:13:A:PHE:HB3	14	0.21
(1,1615)	1:8:A:GLU:H	1:9:A:LEU:H	13	0.21
(1,1611)	1:8:A:GLU:H	1:7:A:SER:HB2	6	0.21
(1,1611)	1:8:A:GLU:H	1:7:A:SER:HB3	6	0.21
(1,1579)	1:4:A:ILE:HG12	1:5:A:GLY:H	7	0.21
(1,1579)	1:4:A:ILE:HG13	1:5:A:GLY:H	7	0.21
(1,1579)	1:4:A:ILE:HG12	1:5:A:GLY:H	13	0.21
(1,1579)	1:4:A:ILE:HG13	1:5:A:GLY:H	13	0.21
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG21	6	0.21
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG22	6	0.21
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG23	6	0.21
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB1	2	0.21
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB2	2	0.21
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB3	2	0.21
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG21	8	0.21
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG22	8	0.21
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG23	8	0.21
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG21	11	0.21
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG22	11	0.21
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG23	11	0.21
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD11	12	0.21
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD12	12	0.21
(1,1260)	1:10:A:LEU:HB2	1:14:A:ILE:HD13	12	0.21
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD11	12	0.21
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD12	12	0.21
(1,1260)	1:10:A:LEU:HB3	1:14:A:ILE:HD13	12	0.21
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD11	6	0.21
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD12	6	0.21
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD13	6	0.21
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD11	6	0.21
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD12	6	0.21
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD13	6	0.21
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD11	6	0.21
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD12	6	0.21
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD13	6	0.21
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD11	6	0.21
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD12	6	0.21
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD13	6	0.21
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD11	6	0.21
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD12	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD13	6	0.21
(1,865)	1:103:A:GLU:HB2	1:102:A:LEU:HG	14	0.21
(1,865)	1:103:A:GLU:HB3	1:102:A:LEU:HG	14	0.21
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG11	4	0.21
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG12	4	0.21
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG13	4	0.21
(1,813)	1:94:A:ARG:HA	1:97:A:VAL:HB	10	0.21
(1,597)	1:68:A:LYS:HG2	1:69:A:ALA:H	13	0.21
(4,163)	1:89:A:ALA:O	1:93:A:LYS:N	6	0.2
(4,153)	1:79:A:LYS:O	1:83:A:ASP:N	3	0.2
(4,153)	1:79:A:LYS:O	1:83:A:ASP:N	9	0.2
(4,153)	1:79:A:LYS:O	1:83:A:ASP:N	13	0.2
(4,150)	1:68:A:LYS:O	1:72:A:THR:N	9	0.2
(4,141)	1:59:A:PHE:O	1:63:A:LEU:N	1	0.2
(4,141)	1:59:A:PHE:O	1:63:A:LEU:N	9	0.2
(4,137)	1:42:A:LEU:O	1:46:A:VAL:N	13	0.2
(4,136)	1:41:A:SER:O	1:45:A:THR:N	10	0.2
(4,123)	1:28:A:ALA:O	1:32:A:VAL:N	3	0.2
(4,123)	1:28:A:ALA:O	1:32:A:VAL:N	7	0.2
(4,123)	1:28:A:ALA:O	1:32:A:VAL:N	9	0.2
(4,117)	1:12:A:VAL:O	1:16:A:GLY:N	6	0.2
(4,117)	1:12:A:VAL:O	1:16:A:GLY:N	7	0.2
(4,117)	1:12:A:VAL:O	1:16:A:GLY:N	11	0.2
(4,114)	1:9:A:LEU:O	1:13:A:PHE:N	5	0.2
(4,114)	1:9:A:LEU:O	1:13:A:PHE:N	12	0.2
(4,113)	1:8:A:GLU:O	1:12:A:VAL:N	1	0.2
(4,112)	1:7:A:SER:O	1:11:A:LEU:N	9	0.2
(4,75)	1:67:A:GLU:O	1:71:A:LEU:H	13	0.2
(4,71)	1:65:A:LYS:O	1:69:A:ALA:H	6	0.2
(4,58)	1:58:A:GLU:O	1:62:A:SER:N	7	0.2
(4,53)	1:42:A:LEU:O	1:46:A:VAL:H	3	0.2
(4,53)	1:42:A:LEU:O	1:46:A:VAL:H	14	0.2
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD11	13	0.2
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD12	13	0.2
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD13	13	0.2
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	7	0.2
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	7	0.2
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	7	0.2
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	7	0.2
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	7	0.2
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	7	0.2
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	7	0.2
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	7	0.2
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	7	0.2
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	7	0.2
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	7	0.2
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	11	0.2
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	11	0.2
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	11	0.2
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	11	0.2
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG2	11	0.2
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG3	11	0.2
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD11	13	0.2
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD12	13	0.2
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD13	13	0.2
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	7	0.2
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	7	0.2
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	7	0.2
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	7	0.2
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	7	0.2
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	7	0.2
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	7	0.2
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	7	0.2
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	7	0.2
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	7	0.2
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	7	0.2
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	7	0.2
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	11	0.2
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	11	0.2
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	11	0.2
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	11	0.2
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG2	11	0.2
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG3	11	0.2
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD11	13	0.2
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD12	13	0.2
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD13	13	0.2
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	7	0.2
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	7	0.2
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	7	0.2
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	7	0.2
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	7	0.2
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	7	0.2
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	7	0.2
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	7	0.2
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	7	0.2
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	7	0.2
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	7	0.2
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	11	0.2
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	11	0.2
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	11	0.2
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	11	0.2
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG2	11	0.2
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG3	11	0.2
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD11	13	0.2
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD12	13	0.2
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD13	13	0.2
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	7	0.2
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	7	0.2
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	7	0.2
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	7	0.2
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	7	0.2
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	7	0.2
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	7	0.2
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	7	0.2
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	7	0.2
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	7	0.2
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	7	0.2
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	7	0.2
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	11	0.2
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	11	0.2
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	11	0.2
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	11	0.2
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG2	11	0.2
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG3	11	0.2
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD11	13	0.2
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD12	13	0.2
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD13	13	0.2
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	7	0.2
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	7	0.2
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	7	0.2
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	7	0.2
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	7	0.2
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	7	0.2
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	7	0.2
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	7	0.2
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	7	0.2
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	7	0.2
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	7	0.2
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	11	0.2
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	11	0.2
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	11	0.2
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	11	0.2
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG2	11	0.2
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG3	11	0.2
(2,252)	1:71:A:LEU:HB2	1:72:A:THR:HB	3	0.2
(2,177)	1:71:A:LEU:H	1:67:A:GLU:HB2	9	0.2
(2,138)	1:35:A:TRP:H	1:32:A:VAL:HB	1	0.2
(2,138)	1:35:A:TRP:H	1:32:A:VAL:HB	4	0.2
(2,138)	1:35:A:TRP:H	1:32:A:VAL:HB	5	0.2
(2,138)	1:35:A:TRP:H	1:32:A:VAL:HB	13	0.2
(2,138)	1:35:A:TRP:H	1:32:A:VAL:HB	14	0.2
(2,133)	1:22:A:PRO:HD3	1:24:A:ARG:H	12	0.2
(2,71)	1:58:A:GLU:H	1:62:A:SER:H	14	0.2
(2,66)	1:56:A:LEU:HB2	1:60:A:GLN:HB2	12	0.2
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD11	1	0.2
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD12	1	0.2
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD13	1	0.2
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD21	1	0.2
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD22	1	0.2
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD23	1	0.2
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD11	12	0.2
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD12	12	0.2
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD13	12	0.2
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD21	12	0.2
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD22	12	0.2
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD23	12	0.2
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD11	13	0.2
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD12	13	0.2
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD13	13	0.2
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD21	13	0.2
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD22	13	0.2
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD23	13	0.2
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG21	3	0.2
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG22	3	0.2
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG23	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	9	0.2
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	9	0.2
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	9	0.2
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	9	0.2
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD11	1	0.2
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD12	1	0.2
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD13	1	0.2
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD21	1	0.2
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD22	1	0.2
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD23	1	0.2
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD11	12	0.2
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD12	12	0.2
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD13	12	0.2
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD21	12	0.2
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD22	12	0.2
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD23	12	0.2
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD11	13	0.2
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD12	13	0.2
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD13	13	0.2
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD21	13	0.2
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD22	13	0.2
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD23	13	0.2
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG21	3	0.2
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG22	3	0.2
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG23	3	0.2
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	9	0.2
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	9	0.2
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	9	0.2
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	9	0.2
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD11	1	0.2
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD12	1	0.2
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD13	1	0.2
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD21	1	0.2
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD22	1	0.2
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD23	1	0.2
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD11	12	0.2
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD12	12	0.2
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD13	12	0.2
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD21	12	0.2
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD22	12	0.2
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD23	12	0.2
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD11	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD12	13	0.2
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD13	13	0.2
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD21	13	0.2
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD22	13	0.2
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD23	13	0.2
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG21	3	0.2
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG22	3	0.2
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG23	3	0.2
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	9	0.2
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	9	0.2
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	9	0.2
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	9	0.2
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD11	1	0.2
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD12	1	0.2
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD13	1	0.2
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD21	1	0.2
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD22	1	0.2
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD23	1	0.2
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD11	12	0.2
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD12	12	0.2
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD13	12	0.2
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD21	12	0.2
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD22	12	0.2
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD23	12	0.2
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD11	13	0.2
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD12	13	0.2
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD13	13	0.2
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD21	13	0.2
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD22	13	0.2
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD23	13	0.2
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG21	3	0.2
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG22	3	0.2
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG23	3	0.2
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	9	0.2
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	9	0.2
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	9	0.2
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	9	0.2
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD11	1	0.2
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD12	1	0.2
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD13	1	0.2
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD21	1	0.2
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD22	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD23	1	0.2
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD11	12	0.2
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD12	12	0.2
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD13	12	0.2
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD21	12	0.2
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD22	12	0.2
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD23	12	0.2
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD11	13	0.2
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD12	13	0.2
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD13	13	0.2
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD21	13	0.2
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD22	13	0.2
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD23	13	0.2
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG21	3	0.2
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG22	3	0.2
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG23	3	0.2
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	9	0.2
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	9	0.2
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	9	0.2
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	9	0.2
(1,2245)	1:103:A:GLU:H	1:102:A:LEU:HB2	9	0.2
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD11	8	0.2
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD12	8	0.2
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD13	8	0.2
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD11	10	0.2
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD12	10	0.2
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD13	10	0.2
(1,2230)	1:101:A:PRO:HG2	1:102:A:LEU:H	1	0.2
(1,2222)	1:99:A:ASN:HB3	1:100:A:ASP:H	9	0.2
(1,2222)	1:99:A:ASN:HB2	1:100:A:ASP:H	9	0.2
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB1	6	0.2
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB2	6	0.2
(1,2221)	1:99:A:ASN:H	1:98:A:ALA:HB3	6	0.2
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG21	14	0.2
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG22	14	0.2
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG23	14	0.2
(1,2174)	1:94:A:ARG:HB2	1:95:A:SER:H	13	0.2
(1,2174)	1:94:A:ARG:HB3	1:95:A:SER:H	13	0.2
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB1	14	0.2
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB2	14	0.2
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB3	14	0.2
(1,2040)	1:78:A:LEU:HD11	1:82:A:MET:HE1	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2040)	1:78:A:LEU:HD11	1:82:A:MET:HE2	14	0.2
(1,2040)	1:78:A:LEU:HD11	1:82:A:MET:HE3	14	0.2
(1,2040)	1:78:A:LEU:HD12	1:82:A:MET:HE1	14	0.2
(1,2040)	1:78:A:LEU:HD12	1:82:A:MET:HE2	14	0.2
(1,2040)	1:78:A:LEU:HD12	1:82:A:MET:HE3	14	0.2
(1,2040)	1:78:A:LEU:HD13	1:82:A:MET:HE1	14	0.2
(1,2040)	1:78:A:LEU:HD13	1:82:A:MET:HE2	14	0.2
(1,2040)	1:78:A:LEU:HD13	1:82:A:MET:HE3	14	0.2
(1,2036)	1:78:A:LEU:H	1:77:A:GLU:HB3	1	0.2
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB1	14	0.2
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB2	14	0.2
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB3	14	0.2
(1,2031)	1:77:A:GLU:HA	1:80:A:ALA:H	12	0.2
(1,2002)	1:74:A:LEU:H	1:71:A:LEU:HA	6	0.2
(1,1987)	1:73:A:ASN:HD21	1:72:A:THR:HB	9	0.2
(1,1987)	1:73:A:ASN:HD22	1:72:A:THR:HB	9	0.2
(1,1984)	1:73:A:ASN:H	1:71:A:LEU:HA	8	0.2
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG21	13	0.2
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG22	13	0.2
(1,1976)	1:71:A:LEU:H	1:72:A:THR:HG23	13	0.2
(1,1916)	1:65:A:LYS:H	1:61:A:ASP:HA	4	0.2
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB2	15	0.2
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB3	15	0.2
(1,1859)	1:54:A:LEU:H	1:53:A:GLU:HB2	13	0.2
(1,1859)	1:54:A:LEU:H	1:53:A:GLU:HB3	13	0.2
(1,1858)	1:54:A:LEU:H	1:53:A:GLU:HG2	8	0.2
(1,1858)	1:54:A:LEU:H	1:53:A:GLU:HG3	8	0.2
(1,1850)	1:52:A:GLN:H	1:51:A:THR:H	1	0.2
(1,1850)	1:52:A:GLN:H	1:51:A:THR:H	9	0.2
(1,1850)	1:52:A:GLN:H	1:51:A:THR:H	15	0.2
(1,1836)	1:48:A:ASN:HA	1:52:A:GLN:HE21	3	0.2
(1,1796)	1:43:A:ALA:H	1:42:A:LEU:H	9	0.2
(1,1796)	1:43:A:ALA:H	1:42:A:LEU:H	11	0.2
(1,1767)	1:37:A:ARG:HB2	1:38:A:ALA:H	9	0.2
(1,1767)	1:37:A:ARG:HB3	1:38:A:ALA:H	9	0.2
(1,1767)	1:37:A:ARG:HB2	1:38:A:ALA:H	12	0.2
(1,1767)	1:37:A:ARG:HB3	1:38:A:ALA:H	12	0.2
(1,1760)	1:36:A:ILE:HG12	1:33:A:ALA:HA	4	0.2
(1,1760)	1:36:A:ILE:HG13	1:33:A:ALA:HA	4	0.2
(1,1760)	1:36:A:ILE:HG12	1:33:A:ALA:HA	5	0.2
(1,1760)	1:36:A:ILE:HG13	1:33:A:ALA:HA	5	0.2
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG11	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG12	12	0.2
(1,1690)	1:20:A:LEU:H	1:19:A:VAL:HG13	12	0.2
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG21	12	0.2
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG22	12	0.2
(1,1664)	1:15:A:ILE:H	1:14:A:ILE:HG23	12	0.2
(1,1657)	1:14:A:ILE:H	1:13:A:PHE:HB2	3	0.2
(1,1657)	1:14:A:ILE:H	1:13:A:PHE:HB3	3	0.2
(1,1657)	1:14:A:ILE:H	1:13:A:PHE:HB2	7	0.2
(1,1657)	1:14:A:ILE:H	1:13:A:PHE:HB3	7	0.2
(1,1628)	1:11:A:LEU:HB2	1:12:A:VAL:H	11	0.2
(1,1628)	1:11:A:LEU:HB3	1:12:A:VAL:H	11	0.2
(1,1624)	1:10:A:LEU:HA	1:13:A:PHE:HB2	9	0.2
(1,1624)	1:10:A:LEU:HA	1:13:A:PHE:HB3	9	0.2
(1,1584)	1:4:A:ILE:HD11	1:8:A:GLU:HB2	4	0.2
(1,1584)	1:4:A:ILE:HD12	1:8:A:GLU:HB2	4	0.2
(1,1584)	1:4:A:ILE:HD13	1:8:A:GLU:HB2	4	0.2
(1,1568)	1:3:A:ASP:HB2	1:4:A:ILE:H	3	0.2
(1,1568)	1:3:A:ASP:HB2	1:4:A:ILE:H	9	0.2
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD11	12	0.2
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD12	12	0.2
(1,1553)	1:2:A:PHE:HE1	1:4:A:ILE:HD13	12	0.2
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD11	12	0.2
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD12	12	0.2
(1,1553)	1:2:A:PHE:HE2	1:4:A:ILE:HD13	12	0.2
(1,1492)	1:82:A:MET:HB2	1:81:A:SER:H	7	0.2
(1,1492)	1:82:A:MET:HB3	1:81:A:SER:H	7	0.2
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG21	1	0.2
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG22	1	0.2
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG23	1	0.2
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG21	1	0.2
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG22	1	0.2
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG23	1	0.2
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG21	1	0.2
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG22	1	0.2
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG23	1	0.2
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG11	1	0.2
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG12	1	0.2
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG13	1	0.2
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG11	1	0.2
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG12	1	0.2
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG13	1	0.2
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG11	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG12	1	0.2
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG13	1	0.2
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB1	11	0.2
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB2	11	0.2
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB3	11	0.2
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB1	11	0.2
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB2	11	0.2
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB3	11	0.2
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB1	11	0.2
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB2	11	0.2
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB3	11	0.2
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG21	12	0.2
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG22	12	0.2
(1,1406)	1:45:A:THR:HB	1:46:A:VAL:HG23	12	0.2
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB1	1	0.2
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB2	1	0.2
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB3	1	0.2
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB1	4	0.2
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB2	4	0.2
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB3	4	0.2
(1,1363)	1:35:A:TRP:HD1	1:36:A:ILE:H	4	0.2
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB1	11	0.2
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB2	11	0.2
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB3	11	0.2
(1,944)	1:2:A:PHE:HB2	1:4:A:ILE:HD11	15	0.2
(1,944)	1:2:A:PHE:HB2	1:4:A:ILE:HD12	15	0.2
(1,944)	1:2:A:PHE:HB2	1:4:A:ILE:HD13	15	0.2
(1,556)	1:64:A:LYS:HA	1:66:A:VAL:H	9	0.2
(1,556)	1:64:A:LYS:HA	1:66:A:VAL:H	13	0.2
(1,556)	1:64:A:LYS:HA	1:66:A:VAL:H	14	0.2
(1,455)	1:43:A:ALA:HA	1:46:A:VAL:HB	3	0.2
(1,204)	1:1:A:MET:HA	1:3:A:ASP:H	11	0.2
(1,139)	1:69:A:ALA:H	1:66:A:VAL:HB	1	0.2
(1,139)	1:69:A:ALA:H	1:66:A:VAL:HB	2	0.2
(1,139)	1:69:A:ALA:H	1:66:A:VAL:HB	12	0.2
(1,120)	1:48:A:ASN:H	1:44:A:THR:HB	11	0.2
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB1	13	0.2
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB2	13	0.2
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB3	13	0.2
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB1	13	0.2
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB2	13	0.2
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB3	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB1	13	0.2
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB2	13	0.2
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB3	13	0.2
(1,27)	1:14:A:ILE:HB	1:15:A:ILE:HG21	12	0.2
(1,27)	1:14:A:ILE:HB	1:15:A:ILE:HG22	12	0.2
(1,27)	1:14:A:ILE:HB	1:15:A:ILE:HG23	12	0.2
(4,163)	1:89:A:ALA:O	1:93:A:LYS:N	3	0.19
(4,163)	1:89:A:ALA:O	1:93:A:LYS:N	7	0.19
(4,163)	1:89:A:ALA:O	1:93:A:LYS:N	8	0.19
(4,163)	1:89:A:ALA:O	1:93:A:LYS:N	10	0.19
(4,163)	1:89:A:ALA:O	1:93:A:LYS:N	14	0.19
(4,153)	1:79:A:LYS:O	1:83:A:ASP:N	2	0.19
(4,153)	1:79:A:LYS:O	1:83:A:ASP:N	11	0.19
(4,153)	1:79:A:LYS:O	1:83:A:ASP:N	14	0.19
(4,145)	1:63:A:LEU:O	1:67:A:GLU:N	12	0.19
(4,142)	1:60:A:GLN:O	1:64:A:LYS:N	2	0.19
(4,140)	1:58:A:GLU:O	1:62:A:SER:N	13	0.19
(4,134)	1:39:A:LEU:O	1:43:A:ALA:N	6	0.19
(4,123)	1:28:A:ALA:O	1:32:A:VAL:N	10	0.19
(4,120)	1:16:A:GLY:O	1:20:A:LEU:N	11	0.19
(4,115)	1:10:A:LEU:O	1:14:A:ILE:N	12	0.19
(4,115)	1:10:A:LEU:O	1:14:A:ILE:N	13	0.19
(4,113)	1:8:A:GLU:O	1:12:A:VAL:N	2	0.19
(4,113)	1:8:A:GLU:O	1:12:A:VAL:N	9	0.19
(4,65)	1:62:A:SER:O	1:66:A:VAL:H	10	0.19
(4,38)	1:34:A:GLY:O	1:38:A:ALA:N	1	0.19
(4,38)	1:34:A:GLY:O	1:38:A:ALA:N	2	0.19
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD11	4	0.19
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD12	4	0.19
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD13	4	0.19
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD11	14	0.19
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD12	14	0.19
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD13	14	0.19
(2,601)	1:51:A:THR:HB	1:54:A:LEU:H	5	0.19
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD11	4	0.19
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD12	4	0.19
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD13	4	0.19
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD11	14	0.19
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD12	14	0.19
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD13	14	0.19
(2,526)	1:51:A:THR:HB	1:54:A:LEU:H	5	0.19
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD11	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD12	4	0.19
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD13	4	0.19
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD11	14	0.19
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD12	14	0.19
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD13	14	0.19
(2,451)	1:51:A:THR:HB	1:54:A:LEU:H	5	0.19
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD11	4	0.19
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD12	4	0.19
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD13	4	0.19
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD11	14	0.19
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD12	14	0.19
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD13	14	0.19
(2,376)	1:51:A:THR:HB	1:54:A:LEU:H	5	0.19
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD11	4	0.19
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD12	4	0.19
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD13	4	0.19
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD11	14	0.19
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD12	14	0.19
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD13	14	0.19
(2,301)	1:51:A:THR:HB	1:54:A:LEU:H	5	0.19
(2,266)	1:74:A:LEU:HB2	1:73:A:ASN:HB3	8	0.19
(2,138)	1:35:A:TRP:H	1:32:A:VAL:HB	3	0.19
(2,138)	1:35:A:TRP:H	1:32:A:VAL:HB	6	0.19
(2,138)	1:35:A:TRP:H	1:32:A:VAL:HB	9	0.19
(2,108)	1:2:A:PHE:HD1	1:4:A:ILE:HB	11	0.19
(2,108)	1:2:A:PHE:HD2	1:4:A:ILE:HB	11	0.19
(2,70)	1:58:A:GLU:H	1:55:A:LYS:HD2	12	0.19
(2,70)	1:58:A:GLU:H	1:55:A:LYS:HD3	12	0.19
(2,62)	1:47:A:GLN:HE21	1:46:A:VAL:HG11	5	0.19
(2,62)	1:47:A:GLN:HE21	1:46:A:VAL:HG12	5	0.19
(2,62)	1:47:A:GLN:HE21	1:46:A:VAL:HG13	5	0.19
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG21	5	0.19
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG22	5	0.19
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG23	5	0.19
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG21	8	0.19
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG22	8	0.19
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG23	8	0.19
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG21	12	0.19
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG22	12	0.19
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG23	12	0.19
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG21	13	0.19
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG22	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG23	13	0.19
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG21	14	0.19
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG22	14	0.19
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG23	14	0.19
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG21	15	0.19
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG22	15	0.19
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG23	15	0.19
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	6	0.19
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	6	0.19
(1,2842)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	6	0.19
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	6	0.19
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	6	0.19
(1,2842)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	6	0.19
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	12	0.19
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	12	0.19
(1,2832)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	12	0.19
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	12	0.19
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	12	0.19
(1,2832)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	12	0.19
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD21	10	0.19
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD22	10	0.19
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD23	10	0.19
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD11	5	0.19
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD12	5	0.19
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD13	5	0.19
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD21	5	0.19
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD22	5	0.19
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD23	5	0.19
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	5	0.19
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	5	0.19
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	5	0.19
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	5	0.19
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	8	0.19
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	8	0.19
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	8	0.19
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	8	0.19
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	6	0.19
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	6	0.19
(1,2718)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	6	0.19
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	6	0.19
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	6	0.19
(1,2718)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	12	0.19
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	12	0.19
(1,2708)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	12	0.19
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	12	0.19
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	12	0.19
(1,2708)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	12	0.19
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD21	10	0.19
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD22	10	0.19
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD23	10	0.19
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD11	5	0.19
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD12	5	0.19
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD13	5	0.19
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD21	5	0.19
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD22	5	0.19
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD23	5	0.19
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	5	0.19
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	5	0.19
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	5	0.19
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	5	0.19
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	8	0.19
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	8	0.19
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	8	0.19
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	8	0.19
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	6	0.19
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	6	0.19
(1,2594)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	6	0.19
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	6	0.19
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	6	0.19
(1,2594)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	6	0.19
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	12	0.19
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	12	0.19
(1,2584)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	12	0.19
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	12	0.19
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	12	0.19
(1,2584)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	12	0.19
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD21	10	0.19
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD22	10	0.19
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD23	10	0.19
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD11	5	0.19
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD12	5	0.19
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD13	5	0.19
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD21	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD22	5	0.19
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD23	5	0.19
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	5	0.19
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	5	0.19
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	5	0.19
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	5	0.19
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	8	0.19
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	8	0.19
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	8	0.19
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	8	0.19
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	6	0.19
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	6	0.19
(1,2470)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	6	0.19
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	6	0.19
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	6	0.19
(1,2470)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	6	0.19
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	12	0.19
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	12	0.19
(1,2460)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	12	0.19
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	12	0.19
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	12	0.19
(1,2460)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	12	0.19
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD21	10	0.19
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD22	10	0.19
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD23	10	0.19
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD11	5	0.19
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD12	5	0.19
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD13	5	0.19
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD21	5	0.19
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD22	5	0.19
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD23	5	0.19
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	5	0.19
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	5	0.19
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	5	0.19
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	5	0.19
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	8	0.19
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	8	0.19
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	8	0.19
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	8	0.19
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD11	6	0.19
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD12	6	0.19
(1,2346)	1:68:A:LYS:HD2	1:78:A:LEU:HD13	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD11	6	0.19
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD12	6	0.19
(1,2346)	1:68:A:LYS:HD3	1:78:A:LEU:HD13	6	0.19
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD21	12	0.19
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD22	12	0.19
(1,2336)	1:59:A:PHE:HD1	1:50:A:LEU:HD23	12	0.19
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD21	12	0.19
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD22	12	0.19
(1,2336)	1:59:A:PHE:HD2	1:50:A:LEU:HD23	12	0.19
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD21	10	0.19
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD22	10	0.19
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD23	10	0.19
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD11	5	0.19
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD12	5	0.19
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD13	5	0.19
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD21	5	0.19
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD22	5	0.19
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD23	5	0.19
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	5	0.19
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	5	0.19
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	5	0.19
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	5	0.19
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	8	0.19
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	8	0.19
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	8	0.19
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	8	0.19
(1,2230)	1:101:A:PRO:HG2	1:102:A:LEU:H	12	0.19
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG21	4	0.19
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG22	4	0.19
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG23	4	0.19
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB2	3	0.19
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB3	3	0.19
(1,2174)	1:94:A:ARG:HB2	1:95:A:SER:H	5	0.19
(1,2174)	1:94:A:ARG:HB3	1:95:A:SER:H	5	0.19
(1,2174)	1:94:A:ARG:HB2	1:95:A:SER:H	15	0.19
(1,2174)	1:94:A:ARG:HB3	1:95:A:SER:H	15	0.19
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB1	15	0.19
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB2	15	0.19
(1,2057)	1:81:A:SER:HA	1:80:A:ALA:HB3	15	0.19
(1,2031)	1:77:A:GLU:HA	1:80:A:ALA:H	15	0.19
(1,2021)	1:76:A:PRO:HA	1:80:A:ALA:H	3	0.19
(1,1988)	1:73:A:ASN:HB2	1:72:A:THR:HB	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1988)	1:73:A:ASN:HB3	1:72:A:THR:HB	5	0.19
(1,1988)	1:73:A:ASN:HB2	1:72:A:THR:HB	7	0.19
(1,1988)	1:73:A:ASN:HB3	1:72:A:THR:HB	7	0.19
(1,1972)	1:71:A:LEU:H	1:69:A:ALA:HA	1	0.19
(1,1972)	1:71:A:LEU:H	1:69:A:ALA:HA	2	0.19
(1,1972)	1:71:A:LEU:H	1:69:A:ALA:HA	10	0.19
(1,1972)	1:71:A:LEU:H	1:69:A:ALA:HA	12	0.19
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB1	6	0.19
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB2	6	0.19
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB3	6	0.19
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB1	6	0.19
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB2	6	0.19
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB3	6	0.19
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB1	11	0.19
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB2	11	0.19
(1,1939)	1:66:A:VAL:HA	1:69:A:ALA:HB3	11	0.19
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE2	10	0.19
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE3	10	0.19
(1,1916)	1:65:A:LYS:H	1:61:A:ASP:HA	3	0.19
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB2	8	0.19
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB3	8	0.19
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB2	14	0.19
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB3	14	0.19
(1,1909)	1:64:A:LYS:H	1:62:A:SER:HA	10	0.19
(1,1869)	1:60:A:GLN:HE22	1:56:A:LEU:HB2	1	0.19
(1,1859)	1:54:A:LEU:H	1:53:A:GLU:HB2	9	0.19
(1,1859)	1:54:A:LEU:H	1:53:A:GLU:HB3	9	0.19
(1,1859)	1:54:A:LEU:H	1:53:A:GLU:HB2	10	0.19
(1,1859)	1:54:A:LEU:H	1:53:A:GLU:HB3	10	0.19
(1,1850)	1:52:A:GLN:H	1:51:A:THR:H	8	0.19
(1,1850)	1:52:A:GLN:H	1:51:A:THR:H	13	0.19
(1,1796)	1:43:A:ALA:H	1:42:A:LEU:H	4	0.19
(1,1790)	1:42:A:LEU:HD11	1:45:A:THR:HB	1	0.19
(1,1790)	1:42:A:LEU:HD12	1:45:A:THR:HB	1	0.19
(1,1790)	1:42:A:LEU:HD13	1:45:A:THR:HB	1	0.19
(1,1790)	1:42:A:LEU:HD21	1:45:A:THR:HB	1	0.19
(1,1790)	1:42:A:LEU:HD22	1:45:A:THR:HB	1	0.19
(1,1790)	1:42:A:LEU:HD23	1:45:A:THR:HB	1	0.19
(1,1767)	1:37:A:ARG:HB2	1:38:A:ALA:H	3	0.19
(1,1767)	1:37:A:ARG:HB3	1:38:A:ALA:H	3	0.19
(1,1767)	1:37:A:ARG:HB2	1:38:A:ALA:H	5	0.19
(1,1767)	1:37:A:ARG:HB3	1:38:A:ALA:H	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1767)	1:37:A:ARG:HB2	1:38:A:ALA:H	7	0.19
(1,1767)	1:37:A:ARG:HB3	1:38:A:ALA:H	7	0.19
(1,1767)	1:37:A:ARG:HB2	1:38:A:ALA:H	15	0.19
(1,1767)	1:37:A:ARG:HB3	1:38:A:ALA:H	15	0.19
(1,1760)	1:36:A:ILE:HG12	1:33:A:ALA:HA	8	0.19
(1,1760)	1:36:A:ILE:HG13	1:33:A:ALA:HA	8	0.19
(1,1738)	1:30:A:LYS:HG2	1:27:A:VAL:HA	10	0.19
(1,1738)	1:30:A:LYS:HG3	1:27:A:VAL:HA	10	0.19
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG11	11	0.19
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG12	11	0.19
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG13	11	0.19
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG21	11	0.19
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG22	11	0.19
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG23	11	0.19
(1,1653)	1:14:A:ILE:HA	1:13:A:PHE:HD1	9	0.19
(1,1653)	1:14:A:ILE:HA	1:13:A:PHE:HD2	9	0.19
(1,1643)	1:13:A:PHE:HB2	1:14:A:ILE:HB	13	0.19
(1,1643)	1:13:A:PHE:HB3	1:14:A:ILE:HB	13	0.19
(1,1628)	1:11:A:LEU:HB2	1:12:A:VAL:H	3	0.19
(1,1628)	1:11:A:LEU:HB3	1:12:A:VAL:H	3	0.19
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD1	3	0.19
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD2	3	0.19
(1,1615)	1:8:A:GLU:H	1:9:A:LEU:H	8	0.19
(1,1611)	1:8:A:GLU:H	1:7:A:SER:HB2	5	0.19
(1,1611)	1:8:A:GLU:H	1:7:A:SER:HB3	5	0.19
(1,1596)	1:6:A:PHE:H	1:8:A:GLU:H	8	0.19
(1,1587)	1:6:A:PHE:H	1:4:A:ILE:HA	1	0.19
(1,1587)	1:6:A:PHE:H	1:4:A:ILE:HA	2	0.19
(1,1587)	1:6:A:PHE:H	1:4:A:ILE:HA	4	0.19
(1,1587)	1:6:A:PHE:H	1:4:A:ILE:HA	6	0.19
(1,1587)	1:6:A:PHE:H	1:4:A:ILE:HA	14	0.19
(1,1584)	1:4:A:ILE:HD11	1:8:A:GLU:HB2	2	0.19
(1,1584)	1:4:A:ILE:HD12	1:8:A:GLU:HB2	2	0.19
(1,1584)	1:4:A:ILE:HD13	1:8:A:GLU:HB2	2	0.19
(1,1584)	1:4:A:ILE:HD11	1:8:A:GLU:HB2	10	0.19
(1,1584)	1:4:A:ILE:HD12	1:8:A:GLU:HB2	10	0.19
(1,1584)	1:4:A:ILE:HD13	1:8:A:GLU:HB2	10	0.19
(1,1579)	1:4:A:ILE:HG12	1:5:A:GLY:H	15	0.19
(1,1579)	1:4:A:ILE:HG13	1:5:A:GLY:H	15	0.19
(1,1478)	1:75:A:THR:H	1:74:A:LEU:H	9	0.19
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG21	2	0.19
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG22	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG23	2	0.19
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG21	2	0.19
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG22	2	0.19
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG23	2	0.19
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG21	2	0.19
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG22	2	0.19
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG23	2	0.19
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG11	2	0.19
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG12	2	0.19
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG13	2	0.19
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG11	2	0.19
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG12	2	0.19
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG13	2	0.19
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG11	2	0.19
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG12	2	0.19
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG13	2	0.19
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG21	12	0.19
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG22	12	0.19
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG23	12	0.19
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG21	12	0.19
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG22	12	0.19
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG23	12	0.19
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG21	12	0.19
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG22	12	0.19
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG23	12	0.19
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG11	12	0.19
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG12	12	0.19
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG13	12	0.19
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG11	12	0.19
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG12	12	0.19
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG13	12	0.19
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG11	12	0.19
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG12	12	0.19
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG13	12	0.19
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG2	4	0.19
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG3	4	0.19
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG21	4	0.19
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG22	4	0.19
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG23	4	0.19
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB1	3	0.19
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB2	3	0.19
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB3	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB1	4	0.19
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB2	4	0.19
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB3	4	0.19
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB1	5	0.19
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB2	5	0.19
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB3	5	0.19
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB1	6	0.19
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB2	6	0.19
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB3	6	0.19
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB1	8	0.19
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB2	8	0.19
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB3	8	0.19
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB1	13	0.19
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB2	13	0.19
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB3	13	0.19
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB1	14	0.19
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB2	14	0.19
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB3	14	0.19
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB2	15	0.19
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB3	15	0.19
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB2	15	0.19
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB3	15	0.19
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD11	8	0.19
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD12	8	0.19
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD13	8	0.19
(1,1228)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	15	0.19
(1,1228)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	15	0.19
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD11	8	0.19
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD12	8	0.19
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD13	8	0.19
(1,1180)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	15	0.19
(1,1180)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	15	0.19
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD11	8	0.19
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD12	8	0.19
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD13	8	0.19
(1,1132)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	15	0.19
(1,1132)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	15	0.19
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD11	8	0.19
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD12	8	0.19
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD13	8	0.19
(1,1084)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	15	0.19
(1,1084)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD11	8	0.19
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD12	8	0.19
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD13	8	0.19
(1,1036)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	15	0.19
(1,1036)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	15	0.19
(1,965)	1:6:A:PHE:HE1	1:4:A:ILE:HG21	7	0.19
(1,965)	1:6:A:PHE:HE1	1:4:A:ILE:HG22	7	0.19
(1,965)	1:6:A:PHE:HE1	1:4:A:ILE:HG23	7	0.19
(1,965)	1:6:A:PHE:HE2	1:4:A:ILE:HG21	7	0.19
(1,965)	1:6:A:PHE:HE2	1:4:A:ILE:HG22	7	0.19
(1,965)	1:6:A:PHE:HE2	1:4:A:ILE:HG23	7	0.19
(1,866)	1:103:A:GLU:HG3	1:102:A:LEU:HA	9	0.19
(1,863)	1:103:A:GLU:H	1:100:A:ASP:H	9	0.19
(1,841)	1:98:A:ALA:HA	1:100:A:ASP:H	6	0.19
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG11	2	0.19
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG12	2	0.19
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG13	2	0.19
(1,756)	1:86:A:ARG:HG3	1:90:A:GLU:H	7	0.19
(1,556)	1:64:A:LYS:HA	1:66:A:VAL:H	3	0.19
(1,509)	1:54:A:LEU:H	1:52:A:GLN:HB2	7	0.19
(1,509)	1:54:A:LEU:H	1:52:A:GLN:HB3	7	0.19
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD11	7	0.19
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD12	7	0.19
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD13	7	0.19
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD21	7	0.19
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD22	7	0.19
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD23	7	0.19
(1,259)	1:6:A:PHE:HA	1:9:A:LEU:HG	7	0.19
(1,228)	1:3:A:ASP:HA	1:5:A:GLY:H	11	0.19
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB1	14	0.19
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB2	14	0.19
(1,113)	1:46:A:VAL:HG21	1:43:A:ALA:HB3	14	0.19
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB1	14	0.19
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB2	14	0.19
(1,113)	1:46:A:VAL:HG22	1:43:A:ALA:HB3	14	0.19
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB1	14	0.19
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB2	14	0.19
(1,113)	1:46:A:VAL:HG23	1:43:A:ALA:HB3	14	0.19
(4,153)	1:79:A:LYS:O	1:83:A:ASP:N	5	0.18
(4,153)	1:79:A:LYS:O	1:83:A:ASP:N	12	0.18
(4,142)	1:60:A:GLN:O	1:64:A:LYS:N	6	0.18
(4,115)	1:10:A:LEU:O	1:14:A:ILE:N	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,115)	1:10:A:LEU:O	1:14:A:ILE:N	15	0.18
(4,114)	1:9:A:LEU:O	1:13:A:PHE:N	9	0.18
(4,75)	1:67:A:GLU:O	1:71:A:LEU:H	3	0.18
(4,75)	1:67:A:GLU:O	1:71:A:LEU:H	4	0.18
(4,75)	1:67:A:GLU:O	1:71:A:LEU:H	14	0.18
(4,61)	1:60:A:GLN:O	1:64:A:LYS:H	7	0.18
(4,53)	1:42:A:LEU:O	1:46:A:VAL:H	7	0.18
(4,38)	1:34:A:GLY:O	1:38:A:ALA:N	6	0.18
(4,38)	1:34:A:GLY:O	1:38:A:ALA:N	11	0.18
(4,27)	1:29:A:VAL:O	1:33:A:ALA:H	1	0.18
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG21	11	0.18
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG22	11	0.18
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG23	11	0.18
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG21	11	0.18
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG22	11	0.18
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG23	11	0.18
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	15	0.18
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	15	0.18
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	15	0.18
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	15	0.18
(2,608)	1:56:A:LEU:HB3	1:51:A:THR:H	8	0.18
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG2	7	0.18
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG3	7	0.18
(2,601)	1:51:A:THR:HB	1:54:A:LEU:H	3	0.18
(2,601)	1:51:A:THR:HB	1:54:A:LEU:H	4	0.18
(2,601)	1:51:A:THR:HB	1:54:A:LEU:H	6	0.18
(2,596)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	5	0.18
(2,596)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	5	0.18
(2,596)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	5	0.18
(2,595)	1:49:A:GLU:HA	1:54:A:LEU:H	5	0.18
(2,595)	1:49:A:GLU:HA	1:54:A:LEU:H	15	0.18
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG21	11	0.18
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG22	11	0.18
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG23	11	0.18
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG21	11	0.18
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG22	11	0.18
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG23	11	0.18
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	15	0.18
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	15	0.18
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	15	0.18
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	15	0.18
(2,533)	1:56:A:LEU:HB3	1:51:A:THR:H	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG2	7	0.18
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG3	7	0.18
(2,526)	1:51:A:THR:HB	1:54:A:LEU:H	3	0.18
(2,526)	1:51:A:THR:HB	1:54:A:LEU:H	4	0.18
(2,526)	1:51:A:THR:HB	1:54:A:LEU:H	6	0.18
(2,521)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	5	0.18
(2,521)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	5	0.18
(2,521)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	5	0.18
(2,520)	1:49:A:GLU:HA	1:54:A:LEU:H	5	0.18
(2,520)	1:49:A:GLU:HA	1:54:A:LEU:H	15	0.18
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG21	11	0.18
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG22	11	0.18
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG23	11	0.18
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG21	11	0.18
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG22	11	0.18
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG23	11	0.18
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	15	0.18
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	15	0.18
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	15	0.18
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	15	0.18
(2,458)	1:56:A:LEU:HB3	1:51:A:THR:H	8	0.18
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG2	7	0.18
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG3	7	0.18
(2,451)	1:51:A:THR:HB	1:54:A:LEU:H	3	0.18
(2,451)	1:51:A:THR:HB	1:54:A:LEU:H	4	0.18
(2,451)	1:51:A:THR:HB	1:54:A:LEU:H	6	0.18
(2,446)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	5	0.18
(2,446)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	5	0.18
(2,446)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	5	0.18
(2,445)	1:49:A:GLU:HA	1:54:A:LEU:H	5	0.18
(2,445)	1:49:A:GLU:HA	1:54:A:LEU:H	15	0.18
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG21	11	0.18
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG22	11	0.18
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG23	11	0.18
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG21	11	0.18
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG22	11	0.18
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG23	11	0.18
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	15	0.18
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	15	0.18
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	15	0.18
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	15	0.18
(2,383)	1:56:A:LEU:HB3	1:51:A:THR:H	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG2	7	0.18
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG3	7	0.18
(2,376)	1:51:A:THR:HB	1:54:A:LEU:H	3	0.18
(2,376)	1:51:A:THR:HB	1:54:A:LEU:H	4	0.18
(2,376)	1:51:A:THR:HB	1:54:A:LEU:H	6	0.18
(2,371)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	5	0.18
(2,371)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	5	0.18
(2,371)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	5	0.18
(2,370)	1:49:A:GLU:HA	1:54:A:LEU:H	5	0.18
(2,370)	1:49:A:GLU:HA	1:54:A:LEU:H	15	0.18
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG21	11	0.18
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG22	11	0.18
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG23	11	0.18
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG21	11	0.18
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG22	11	0.18
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG23	11	0.18
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	15	0.18
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	15	0.18
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	15	0.18
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	15	0.18
(2,308)	1:56:A:LEU:HB3	1:51:A:THR:H	8	0.18
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG2	7	0.18
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG3	7	0.18
(2,301)	1:51:A:THR:HB	1:54:A:LEU:H	3	0.18
(2,301)	1:51:A:THR:HB	1:54:A:LEU:H	4	0.18
(2,301)	1:51:A:THR:HB	1:54:A:LEU:H	6	0.18
(2,296)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	5	0.18
(2,296)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	5	0.18
(2,296)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	5	0.18
(2,295)	1:49:A:GLU:HA	1:54:A:LEU:H	5	0.18
(2,295)	1:49:A:GLU:HA	1:54:A:LEU:H	15	0.18
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD11	1	0.18
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD12	1	0.18
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD13	1	0.18
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD11	3	0.18
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD12	3	0.18
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD13	3	0.18
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD11	11	0.18
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD12	11	0.18
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD13	11	0.18
(2,138)	1:35:A:TRP:H	1:32:A:VAL:HB	2	0.18
(2,138)	1:35:A:TRP:H	1:32:A:VAL:HB	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,138)	1:35:A:TRP:H	1:32:A:VAL:HB	10	0.18
(2,138)	1:35:A:TRP:H	1:32:A:VAL:HB	11	0.18
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG11	2	0.18
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG12	2	0.18
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG13	2	0.18
(2,113)	1:4:A:ILE:HG13	1:3:A:ASP:HA	11	0.18
(2,62)	1:47:A:GLN:HE21	1:46:A:VAL:HG11	8	0.18
(2,62)	1:47:A:GLN:HE21	1:46:A:VAL:HG12	8	0.18
(2,62)	1:47:A:GLN:HE21	1:46:A:VAL:HG13	8	0.18
(2,62)	1:47:A:GLN:HE21	1:46:A:VAL:HG11	9	0.18
(2,62)	1:47:A:GLN:HE21	1:46:A:VAL:HG12	9	0.18
(2,62)	1:47:A:GLN:HE21	1:46:A:VAL:HG13	9	0.18
(2,27)	1:20:A:LEU:HD11	1:17:A:LEU:HA	12	0.18
(2,27)	1:20:A:LEU:HD12	1:17:A:LEU:HA	12	0.18
(2,27)	1:20:A:LEU:HD13	1:17:A:LEU:HA	12	0.18
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD11	11	0.18
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD12	11	0.18
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD13	11	0.18
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD21	11	0.18
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD22	11	0.18
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD23	11	0.18
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD11	11	0.18
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD12	11	0.18
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD13	11	0.18
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD21	11	0.18
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD22	11	0.18
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD23	11	0.18
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD11	11	0.18
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD12	11	0.18
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD13	11	0.18
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD21	11	0.18
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD22	11	0.18
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD23	11	0.18
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD11	11	0.18
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD12	11	0.18
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD13	11	0.18
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD21	11	0.18
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD22	11	0.18
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD23	11	0.18
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD11	11	0.18
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD12	11	0.18
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD13	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD21	11	0.18
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD22	11	0.18
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD23	11	0.18
(1,2192)	1:96:A:TYR:HB3	1:97:A:VAL:H	3	0.18
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB2	1	0.18
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB3	1	0.18
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB2	7	0.18
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB3	7	0.18
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB2	9	0.18
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB3	9	0.18
(1,2174)	1:94:A:ARG:HB2	1:95:A:SER:H	1	0.18
(1,2174)	1:94:A:ARG:HB3	1:95:A:SER:H	1	0.18
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB1	13	0.18
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB2	13	0.18
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB3	13	0.18
(1,2096)	1:84:A:GLU:H	1:83:A:ASP:HB2	5	0.18
(1,2036)	1:78:A:LEU:H	1:77:A:GLU:HB3	12	0.18
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB1	4	0.18
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB2	4	0.18
(1,2033)	1:77:A:GLU:HA	1:80:A:ALA:HB3	4	0.18
(1,2031)	1:77:A:GLU:HA	1:80:A:ALA:H	5	0.18
(1,2021)	1:76:A:PRO:HA	1:80:A:ALA:H	8	0.18
(1,2018)	1:76:A:PRO:HA	1:79:A:LYS:H	7	0.18
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD11	15	0.18
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD12	15	0.18
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD13	15	0.18
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD21	15	0.18
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD22	15	0.18
(1,1998)	1:73:A:ASN:HB2	1:74:A:LEU:HD23	15	0.18
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD11	15	0.18
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD12	15	0.18
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD13	15	0.18
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD21	15	0.18
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD22	15	0.18
(1,1998)	1:73:A:ASN:HB3	1:74:A:LEU:HD23	15	0.18
(1,1988)	1:73:A:ASN:HB2	1:72:A:THR:HB	9	0.18
(1,1988)	1:73:A:ASN:HB3	1:72:A:THR:HB	9	0.18
(1,1984)	1:73:A:ASN:H	1:71:A:LEU:HA	6	0.18
(1,1926)	1:65:A:LYS:H	1:64:A:LYS:H	7	0.18
(1,1926)	1:65:A:LYS:H	1:64:A:LYS:H	8	0.18
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE2	13	0.18
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE3	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1916)	1:65:A:LYS:H	1:61:A:ASP:HA	6	0.18
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB2	11	0.18
(1,1911)	1:64:A:LYS:H	1:63:A:LEU:HB3	11	0.18
(1,1901)	1:63:A:LEU:H	1:62:A:SER:HB2	6	0.18
(1,1859)	1:54:A:LEU:H	1:53:A:GLU:HB2	8	0.18
(1,1859)	1:54:A:LEU:H	1:53:A:GLU:HB3	8	0.18
(1,1858)	1:54:A:LEU:H	1:53:A:GLU:HG2	1	0.18
(1,1858)	1:54:A:LEU:H	1:53:A:GLU:HG3	1	0.18
(1,1858)	1:54:A:LEU:H	1:53:A:GLU:HG2	9	0.18
(1,1858)	1:54:A:LEU:H	1:53:A:GLU:HG3	9	0.18
(1,1858)	1:54:A:LEU:H	1:53:A:GLU:HG2	11	0.18
(1,1858)	1:54:A:LEU:H	1:53:A:GLU:HG3	11	0.18
(1,1850)	1:52:A:GLN:H	1:51:A:THR:H	14	0.18
(1,1822)	1:46:A:VAL:H	1:47:A:GLN:H	10	0.18
(1,1796)	1:43:A:ALA:H	1:42:A:LEU:H	2	0.18
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB1	10	0.18
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB2	10	0.18
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB3	10	0.18
(1,1767)	1:37:A:ARG:HB2	1:38:A:ALA:H	8	0.18
(1,1767)	1:37:A:ARG:HB3	1:38:A:ALA:H	8	0.18
(1,1767)	1:37:A:ARG:HB2	1:38:A:ALA:H	13	0.18
(1,1767)	1:37:A:ARG:HB3	1:38:A:ALA:H	13	0.18
(1,1760)	1:36:A:ILE:HG12	1:33:A:ALA:HA	12	0.18
(1,1760)	1:36:A:ILE:HG13	1:33:A:ALA:HA	12	0.18
(1,1760)	1:36:A:ILE:HG12	1:33:A:ALA:HA	13	0.18
(1,1760)	1:36:A:ILE:HG13	1:33:A:ALA:HA	13	0.18
(1,1760)	1:36:A:ILE:HG12	1:33:A:ALA:HA	14	0.18
(1,1760)	1:36:A:ILE:HG13	1:33:A:ALA:HA	14	0.18
(1,1760)	1:36:A:ILE:HG12	1:33:A:ALA:HA	15	0.18
(1,1760)	1:36:A:ILE:HG13	1:33:A:ALA:HA	15	0.18
(1,1738)	1:30:A:LYS:HG2	1:27:A:VAL:HA	15	0.18
(1,1738)	1:30:A:LYS:HG3	1:27:A:VAL:HA	15	0.18
(1,1685)	1:18:A:VAL:H	1:17:A:LEU:HB2	11	0.18
(1,1685)	1:18:A:VAL:H	1:17:A:LEU:HB3	11	0.18
(1,1596)	1:6:A:PHE:H	1:8:A:GLU:H	3	0.18
(1,1587)	1:6:A:PHE:H	1:4:A:ILE:HA	9	0.18
(1,1587)	1:6:A:PHE:H	1:4:A:ILE:HA	10	0.18
(1,1584)	1:4:A:ILE:HD11	1:8:A:GLU:HB2	1	0.18
(1,1584)	1:4:A:ILE:HD12	1:8:A:GLU:HB2	1	0.18
(1,1584)	1:4:A:ILE:HD13	1:8:A:GLU:HB2	1	0.18
(1,1584)	1:4:A:ILE:HD11	1:8:A:GLU:HB2	9	0.18
(1,1584)	1:4:A:ILE:HD12	1:8:A:GLU:HB2	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1584)	1:4:A:ILE:HD13	1:8:A:GLU:HB2	9	0.18
(1,1584)	1:4:A:ILE:HD11	1:8:A:GLU:HB2	14	0.18
(1,1584)	1:4:A:ILE:HD12	1:8:A:GLU:HB2	14	0.18
(1,1584)	1:4:A:ILE:HD13	1:8:A:GLU:HB2	14	0.18
(1,1580)	1:4:A:ILE:H	1:5:A:GLY:H	12	0.18
(1,1565)	1:3:A:ASP:HB3	1:4:A:ILE:H	13	0.18
(1,1493)	1:82:A:MET:HG2	1:81:A:SER:H	8	0.18
(1,1493)	1:82:A:MET:HG3	1:81:A:SER:H	8	0.18
(1,1478)	1:75:A:THR:H	1:74:A:LEU:H	3	0.18
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD11	13	0.18
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD12	13	0.18
(1,1439)	1:59:A:PHE:HB2	1:63:A:LEU:HD13	13	0.18
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG21	3	0.18
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG22	3	0.18
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG23	3	0.18
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG21	5	0.18
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG22	5	0.18
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG23	5	0.18
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG21	8	0.18
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG22	8	0.18
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG23	8	0.18
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB1	7	0.18
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB2	7	0.18
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB3	7	0.18
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB1	9	0.18
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB2	9	0.18
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB3	9	0.18
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB1	15	0.18
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB2	15	0.18
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB3	15	0.18
(1,756)	1:86:A:ARG:HG3	1:90:A:GLU:H	14	0.18
(1,556)	1:64:A:LYS:HA	1:66:A:VAL:H	4	0.18
(1,523)	1:60:A:GLN:H	1:59:A:PHE:HD1	15	0.18
(1,523)	1:60:A:GLN:H	1:59:A:PHE:HD2	15	0.18
(1,509)	1:54:A:LEU:H	1:52:A:GLN:HB2	3	0.18
(1,509)	1:54:A:LEU:H	1:52:A:GLN:HB3	3	0.18
(1,509)	1:54:A:LEU:H	1:52:A:GLN:HB2	6	0.18
(1,509)	1:54:A:LEU:H	1:52:A:GLN:HB3	6	0.18
(1,240)	1:4:A:ILE:HD11	1:6:A:PHE:H	12	0.18
(1,240)	1:4:A:ILE:HD12	1:6:A:PHE:H	12	0.18
(1,240)	1:4:A:ILE:HD13	1:6:A:PHE:H	12	0.18
(1,197)	1:99:A:ASN:H	1:97:A:VAL:HG21	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,197)	1:99:A:ASN:H	1:97:A:VAL:HG22	4	0.18
(1,197)	1:99:A:ASN:H	1:97:A:VAL:HG23	4	0.18
(1,109)	1:44:A:THR:HG21	1:47:A:GLN:HG2	11	0.18
(1,109)	1:44:A:THR:HG21	1:47:A:GLN:HG3	11	0.18
(1,109)	1:44:A:THR:HG22	1:47:A:GLN:HG2	11	0.18
(1,109)	1:44:A:THR:HG22	1:47:A:GLN:HG3	11	0.18
(1,109)	1:44:A:THR:HG23	1:47:A:GLN:HG2	11	0.18
(1,109)	1:44:A:THR:HG23	1:47:A:GLN:HG3	11	0.18
(1,46)	1:24:A:ARG:HG2	1:27:A:VAL:HG11	2	0.18
(1,46)	1:24:A:ARG:HG2	1:27:A:VAL:HG12	2	0.18
(1,46)	1:24:A:ARG:HG2	1:27:A:VAL:HG13	2	0.18
(1,12)	1:10:A:LEU:HB2	1:14:A:ILE:HG21	13	0.18
(1,12)	1:10:A:LEU:HB2	1:14:A:ILE:HG22	13	0.18
(1,12)	1:10:A:LEU:HB2	1:14:A:ILE:HG23	13	0.18
(1,12)	1:10:A:LEU:HB3	1:14:A:ILE:HG21	13	0.18
(1,12)	1:10:A:LEU:HB3	1:14:A:ILE:HG22	13	0.18
(1,12)	1:10:A:LEU:HB3	1:14:A:ILE:HG23	13	0.18
(4,153)	1:79:A:LYS:O	1:83:A:ASP:N	1	0.17
(4,153)	1:79:A:LYS:O	1:83:A:ASP:N	4	0.17
(4,153)	1:79:A:LYS:O	1:83:A:ASP:N	10	0.17
(4,153)	1:79:A:LYS:O	1:83:A:ASP:N	15	0.17
(4,151)	1:77:A:GLU:O	1:81:A:SER:N	7	0.17
(4,140)	1:58:A:GLU:O	1:62:A:SER:N	3	0.17
(4,140)	1:58:A:GLU:O	1:62:A:SER:N	9	0.17
(4,136)	1:41:A:SER:O	1:45:A:THR:N	11	0.17
(4,134)	1:39:A:LEU:O	1:43:A:ALA:N	7	0.17
(4,119)	1:15:A:ILE:O	1:19:A:VAL:N	13	0.17
(4,116)	1:11:A:LEU:O	1:15:A:ILE:N	5	0.17
(4,115)	1:10:A:LEU:O	1:14:A:ILE:N	3	0.17
(4,113)	1:8:A:GLU:O	1:12:A:VAL:N	10	0.17
(4,111)	1:6:A:PHE:O	1:10:A:LEU:N	7	0.17
(4,77)	1:68:A:LYS:O	1:72:A:THR:H	6	0.17
(4,75)	1:67:A:GLU:O	1:71:A:LEU:H	9	0.17
(4,71)	1:65:A:LYS:O	1:69:A:ALA:H	3	0.17
(4,71)	1:65:A:LYS:O	1:69:A:ALA:H	9	0.17
(4,38)	1:34:A:GLY:O	1:38:A:ALA:N	3	0.17
(4,38)	1:34:A:GLY:O	1:38:A:ALA:N	4	0.17
(4,38)	1:34:A:GLY:O	1:38:A:ALA:N	5	0.17
(4,38)	1:34:A:GLY:O	1:38:A:ALA:N	7	0.17
(4,38)	1:34:A:GLY:O	1:38:A:ALA:N	8	0.17
(4,38)	1:34:A:GLY:O	1:38:A:ALA:N	9	0.17
(4,38)	1:34:A:GLY:O	1:38:A:ALA:N	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,38)	1:34:A:GLY:O	1:38:A:ALA:N	13	0.17
(4,38)	1:34:A:GLY:O	1:38:A:ALA:N	15	0.17
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD11	6	0.17
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD12	6	0.17
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD13	6	0.17
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD11	8	0.17
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD12	8	0.17
(2,635)	1:74:A:LEU:HA	1:71:A:LEU:HD13	8	0.17
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG21	13	0.17
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG22	13	0.17
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG23	13	0.17
(2,629)	1:71:A:LEU:H	1:68:A:LYS:HG2	15	0.17
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD21	13	0.17
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD22	13	0.17
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD23	13	0.17
(2,601)	1:51:A:THR:HB	1:54:A:LEU:H	1	0.17
(2,601)	1:51:A:THR:HB	1:54:A:LEU:H	7	0.17
(2,601)	1:51:A:THR:HB	1:54:A:LEU:H	8	0.17
(2,593)	1:49:A:GLU:HA	1:51:A:THR:HG21	10	0.17
(2,593)	1:49:A:GLU:HA	1:51:A:THR:HG22	10	0.17
(2,593)	1:49:A:GLU:HA	1:51:A:THR:HG23	10	0.17
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD11	6	0.17
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD12	6	0.17
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD13	6	0.17
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD11	8	0.17
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD12	8	0.17
(2,560)	1:74:A:LEU:HA	1:71:A:LEU:HD13	8	0.17
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG21	13	0.17
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG22	13	0.17
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG23	13	0.17
(2,554)	1:71:A:LEU:H	1:68:A:LYS:HG2	15	0.17
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD21	13	0.17
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD22	13	0.17
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD23	13	0.17
(2,526)	1:51:A:THR:HB	1:54:A:LEU:H	1	0.17
(2,526)	1:51:A:THR:HB	1:54:A:LEU:H	7	0.17
(2,526)	1:51:A:THR:HB	1:54:A:LEU:H	8	0.17
(2,518)	1:49:A:GLU:HA	1:51:A:THR:HG21	10	0.17
(2,518)	1:49:A:GLU:HA	1:51:A:THR:HG22	10	0.17
(2,518)	1:49:A:GLU:HA	1:51:A:THR:HG23	10	0.17
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD11	6	0.17
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD12	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD13	6	0.17
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD11	8	0.17
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD12	8	0.17
(2,485)	1:74:A:LEU:HA	1:71:A:LEU:HD13	8	0.17
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG21	13	0.17
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG22	13	0.17
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG23	13	0.17
(2,479)	1:71:A:LEU:H	1:68:A:LYS:HG2	15	0.17
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD21	13	0.17
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD22	13	0.17
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD23	13	0.17
(2,451)	1:51:A:THR:HB	1:54:A:LEU:H	1	0.17
(2,451)	1:51:A:THR:HB	1:54:A:LEU:H	7	0.17
(2,451)	1:51:A:THR:HB	1:54:A:LEU:H	8	0.17
(2,443)	1:49:A:GLU:HA	1:51:A:THR:HG21	10	0.17
(2,443)	1:49:A:GLU:HA	1:51:A:THR:HG22	10	0.17
(2,443)	1:49:A:GLU:HA	1:51:A:THR:HG23	10	0.17
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD11	6	0.17
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD12	6	0.17
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD13	6	0.17
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD11	8	0.17
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD12	8	0.17
(2,410)	1:74:A:LEU:HA	1:71:A:LEU:HD13	8	0.17
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG21	13	0.17
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG22	13	0.17
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG23	13	0.17
(2,404)	1:71:A:LEU:H	1:68:A:LYS:HG2	15	0.17
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD21	13	0.17
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD22	13	0.17
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD23	13	0.17
(2,376)	1:51:A:THR:HB	1:54:A:LEU:H	1	0.17
(2,376)	1:51:A:THR:HB	1:54:A:LEU:H	7	0.17
(2,376)	1:51:A:THR:HB	1:54:A:LEU:H	8	0.17
(2,368)	1:49:A:GLU:HA	1:51:A:THR:HG21	10	0.17
(2,368)	1:49:A:GLU:HA	1:51:A:THR:HG22	10	0.17
(2,368)	1:49:A:GLU:HA	1:51:A:THR:HG23	10	0.17
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD11	6	0.17
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD12	6	0.17
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD13	6	0.17
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD11	8	0.17
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD12	8	0.17
(2,335)	1:74:A:LEU:HA	1:71:A:LEU:HD13	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG21	13	0.17
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG22	13	0.17
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG23	13	0.17
(2,329)	1:71:A:LEU:H	1:68:A:LYS:HG2	15	0.17
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD21	13	0.17
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD22	13	0.17
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD23	13	0.17
(2,301)	1:51:A:THR:HB	1:54:A:LEU:H	1	0.17
(2,301)	1:51:A:THR:HB	1:54:A:LEU:H	7	0.17
(2,301)	1:51:A:THR:HB	1:54:A:LEU:H	8	0.17
(2,293)	1:49:A:GLU:HA	1:51:A:THR:HG21	10	0.17
(2,293)	1:49:A:GLU:HA	1:51:A:THR:HG22	10	0.17
(2,293)	1:49:A:GLU:HA	1:51:A:THR:HG23	10	0.17
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD11	5	0.17
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD12	5	0.17
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD13	5	0.17
(2,177)	1:71:A:LEU:H	1:67:A:GLU:HB2	3	0.17
(2,133)	1:22:A:PRO:HD3	1:24:A:ARG:H	2	0.17
(2,108)	1:2:A:PHE:HD1	1:4:A:ILE:HB	7	0.17
(2,108)	1:2:A:PHE:HD2	1:4:A:ILE:HB	7	0.17
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD11	11	0.17
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD12	11	0.17
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD13	11	0.17
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD21	11	0.17
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD22	11	0.17
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD23	11	0.17
(2,62)	1:47:A:GLN:HE21	1:46:A:VAL:HG11	3	0.17
(2,62)	1:47:A:GLN:HE21	1:46:A:VAL:HG12	3	0.17
(2,62)	1:47:A:GLN:HE21	1:46:A:VAL:HG13	3	0.17
(2,4)	1:9:A:LEU:HG	1:13:A:PHE:HD1	13	0.17
(2,4)	1:9:A:LEU:HG	1:13:A:PHE:HD2	13	0.17
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD21	8	0.17
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD22	8	0.17
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD23	8	0.17
(1,2802)	1:50:A:LEU:H	1:53:A:GLU:H	13	0.17
(1,2783)	1:48:A:ASN:HB2	1:45:A:THR:HG21	15	0.17
(1,2783)	1:48:A:ASN:HB2	1:45:A:THR:HG22	15	0.17
(1,2783)	1:48:A:ASN:HB2	1:45:A:THR:HG23	15	0.17
(1,2783)	1:48:A:ASN:HB3	1:45:A:THR:HG21	15	0.17
(1,2783)	1:48:A:ASN:HB3	1:45:A:THR:HG22	15	0.17
(1,2783)	1:48:A:ASN:HB3	1:45:A:THR:HG23	15	0.17
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD11	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD12	3	0.17
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD13	3	0.17
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD21	3	0.17
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD22	3	0.17
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD23	3	0.17
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD11	7	0.17
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD12	7	0.17
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD13	7	0.17
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD21	7	0.17
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD22	7	0.17
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD23	7	0.17
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD11	8	0.17
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD12	8	0.17
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD13	8	0.17
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD21	8	0.17
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD22	8	0.17
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD23	8	0.17
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD11	15	0.17
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD12	15	0.17
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD13	15	0.17
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD21	15	0.17
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD22	15	0.17
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD23	15	0.17
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD21	8	0.17
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD22	8	0.17
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD23	8	0.17
(1,2678)	1:50:A:LEU:H	1:53:A:GLU:H	13	0.17
(1,2659)	1:48:A:ASN:HB2	1:45:A:THR:HG21	15	0.17
(1,2659)	1:48:A:ASN:HB2	1:45:A:THR:HG22	15	0.17
(1,2659)	1:48:A:ASN:HB2	1:45:A:THR:HG23	15	0.17
(1,2659)	1:48:A:ASN:HB3	1:45:A:THR:HG21	15	0.17
(1,2659)	1:48:A:ASN:HB3	1:45:A:THR:HG22	15	0.17
(1,2659)	1:48:A:ASN:HB3	1:45:A:THR:HG23	15	0.17
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD11	3	0.17
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD12	3	0.17
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD13	3	0.17
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD21	3	0.17
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD22	3	0.17
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD23	3	0.17
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD11	7	0.17
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD12	7	0.17
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD13	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD21	7	0.17
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD22	7	0.17
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD23	7	0.17
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD11	8	0.17
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD12	8	0.17
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD13	8	0.17
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD21	8	0.17
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD22	8	0.17
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD23	8	0.17
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD11	15	0.17
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD12	15	0.17
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD13	15	0.17
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD21	15	0.17
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD22	15	0.17
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD23	15	0.17
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD21	8	0.17
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD22	8	0.17
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD23	8	0.17
(1,2554)	1:50:A:LEU:H	1:53:A:GLU:H	13	0.17
(1,2535)	1:48:A:ASN:HB2	1:45:A:THR:HG21	15	0.17
(1,2535)	1:48:A:ASN:HB2	1:45:A:THR:HG22	15	0.17
(1,2535)	1:48:A:ASN:HB2	1:45:A:THR:HG23	15	0.17
(1,2535)	1:48:A:ASN:HB3	1:45:A:THR:HG21	15	0.17
(1,2535)	1:48:A:ASN:HB3	1:45:A:THR:HG22	15	0.17
(1,2535)	1:48:A:ASN:HB3	1:45:A:THR:HG23	15	0.17
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD11	3	0.17
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD12	3	0.17
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD13	3	0.17
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD21	3	0.17
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD22	3	0.17
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD23	3	0.17
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD11	7	0.17
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD12	7	0.17
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD13	7	0.17
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD21	7	0.17
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD22	7	0.17
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD23	7	0.17
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD11	8	0.17
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD12	8	0.17
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD13	8	0.17
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD21	8	0.17
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD22	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD23	8	0.17
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD11	15	0.17
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD12	15	0.17
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD13	15	0.17
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD21	15	0.17
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD22	15	0.17
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD23	15	0.17
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD21	8	0.17
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD22	8	0.17
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD23	8	0.17
(1,2430)	1:50:A:LEU:H	1:53:A:GLU:H	13	0.17
(1,2411)	1:48:A:ASN:HB2	1:45:A:THR:HG21	15	0.17
(1,2411)	1:48:A:ASN:HB2	1:45:A:THR:HG22	15	0.17
(1,2411)	1:48:A:ASN:HB2	1:45:A:THR:HG23	15	0.17
(1,2411)	1:48:A:ASN:HB3	1:45:A:THR:HG21	15	0.17
(1,2411)	1:48:A:ASN:HB3	1:45:A:THR:HG22	15	0.17
(1,2411)	1:48:A:ASN:HB3	1:45:A:THR:HG23	15	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD11	3	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD12	3	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD13	3	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD21	3	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD22	3	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD23	3	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD11	7	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD12	7	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD13	7	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD21	7	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD22	7	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD23	7	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD11	8	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD12	8	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD13	8	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD21	8	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD22	8	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD23	8	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD11	15	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD12	15	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD13	15	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD21	15	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD22	15	0.17
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD23	15	0.17
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD21	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD22	8	0.17
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD23	8	0.17
(1,2306)	1:50:A:LEU:H	1:53:A:GLU:H	13	0.17
(1,2287)	1:48:A:ASN:HB2	1:45:A:THR:HG21	15	0.17
(1,2287)	1:48:A:ASN:HB2	1:45:A:THR:HG22	15	0.17
(1,2287)	1:48:A:ASN:HB2	1:45:A:THR:HG23	15	0.17
(1,2287)	1:48:A:ASN:HB3	1:45:A:THR:HG21	15	0.17
(1,2287)	1:48:A:ASN:HB3	1:45:A:THR:HG22	15	0.17
(1,2287)	1:48:A:ASN:HB3	1:45:A:THR:HG23	15	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD11	3	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD12	3	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD13	3	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD21	3	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD22	3	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD23	3	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD11	7	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD12	7	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD13	7	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD21	7	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD22	7	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD23	7	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD11	8	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD12	8	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD13	8	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD21	8	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD22	8	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD23	8	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD11	15	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD12	15	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD13	15	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD21	15	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD22	15	0.17
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD23	15	0.17
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB2	6	0.17
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB3	6	0.17
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB2	8	0.17
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB3	8	0.17
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB1	10	0.17
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB2	10	0.17
(1,2181)	1:95:A:SER:HA	1:98:A:ALA:HB3	10	0.17
(1,2174)	1:94:A:ARG:HB2	1:95:A:SER:H	12	0.17
(1,2174)	1:94:A:ARG:HB3	1:95:A:SER:H	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB1	7	0.17
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB2	7	0.17
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB3	7	0.17
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB1	15	0.17
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB2	15	0.17
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB3	15	0.17
(1,2096)	1:84:A:GLU:H	1:83:A:ASP:HB2	8	0.17
(1,2077)	1:83:A:ASP:HB2	1:80:A:ALA:HA	7	0.17
(1,2077)	1:83:A:ASP:HB3	1:80:A:ALA:HA	7	0.17
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB2	8	0.17
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB3	8	0.17
(1,2021)	1:76:A:PRO:HA	1:80:A:ALA:H	9	0.17
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB1	8	0.17
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB2	8	0.17
(1,1963)	1:70:A:SER:HB2	1:69:A:ALA:HB3	8	0.17
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB1	8	0.17
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB2	8	0.17
(1,1963)	1:70:A:SER:HB3	1:69:A:ALA:HB3	8	0.17
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD11	3	0.17
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD12	3	0.17
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD13	3	0.17
(1,1886)	1:61:A:ASP:HB2	1:62:A:SER:H	6	0.17
(1,1886)	1:61:A:ASP:HB3	1:62:A:SER:H	6	0.17
(1,1886)	1:61:A:ASP:HB2	1:62:A:SER:H	13	0.17
(1,1886)	1:61:A:ASP:HB3	1:62:A:SER:H	13	0.17
(1,1868)	1:57:A:GLN:H	1:56:A:LEU:HG	12	0.17
(1,1786)	1:42:A:LEU:H	1:41:A:SER:HB2	15	0.17
(1,1786)	1:42:A:LEU:H	1:41:A:SER:HB3	15	0.17
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB1	2	0.17
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB2	2	0.17
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB3	2	0.17
(1,1724)	1:27:A:VAL:H	1:28:A:ALA:H	12	0.17
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG11	13	0.17
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG12	13	0.17
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG13	13	0.17
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG21	13	0.17
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG22	13	0.17
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG23	13	0.17
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG11	2	0.17
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG12	2	0.17
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG13	2	0.17
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG21	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG22	2	0.17
(1,1619)	1:9:A:LEU:HA	1:12:A:VAL:HG23	2	0.17
(1,1587)	1:6:A:PHE:H	1:4:A:ILE:HA	5	0.17
(1,1482)	1:76:A:PRO:HA	1:79:A:LYS:HB2	7	0.17
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD21	11	0.17
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD22	11	0.17
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD23	11	0.17
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD11	11	0.17
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD12	11	0.17
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD13	11	0.17
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG21	5	0.17
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG22	5	0.17
(1,1418)	1:47:A:GLN:HB2	1:46:A:VAL:HG23	5	0.17
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG21	5	0.17
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG22	5	0.17
(1,1418)	1:47:A:GLN:HB3	1:46:A:VAL:HG23	5	0.17
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB1	13	0.17
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB2	13	0.17
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB3	13	0.17
(1,1397)	1:44:A:THR:HG21	1:43:A:ALA:HB1	11	0.17
(1,1397)	1:44:A:THR:HG21	1:43:A:ALA:HB2	11	0.17
(1,1397)	1:44:A:THR:HG21	1:43:A:ALA:HB3	11	0.17
(1,1397)	1:44:A:THR:HG22	1:43:A:ALA:HB1	11	0.17
(1,1397)	1:44:A:THR:HG22	1:43:A:ALA:HB2	11	0.17
(1,1397)	1:44:A:THR:HG22	1:43:A:ALA:HB3	11	0.17
(1,1397)	1:44:A:THR:HG23	1:43:A:ALA:HB1	11	0.17
(1,1397)	1:44:A:THR:HG23	1:43:A:ALA:HB2	11	0.17
(1,1397)	1:44:A:THR:HG23	1:43:A:ALA:HB3	11	0.17
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG21	12	0.17
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG22	12	0.17
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG23	12	0.17
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG21	13	0.17
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG22	13	0.17
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG23	13	0.17
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG21	14	0.17
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG22	14	0.17
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG23	14	0.17
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG21	15	0.17
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG22	15	0.17
(1,1348)	1:35:A:TRP:HZ2	1:31:A:THR:HG23	15	0.17
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG21	5	0.17
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG22	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG23	5	0.17
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG21	8	0.17
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG22	8	0.17
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG23	8	0.17
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG21	15	0.17
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG22	15	0.17
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG23	15	0.17
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB1	10	0.17
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB2	10	0.17
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB3	10	0.17
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG21	2	0.17
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG22	2	0.17
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG23	2	0.17
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB2	13	0.17
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB3	13	0.17
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB2	13	0.17
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB3	13	0.17
(1,1243)	1:2:A:PHE:HB3	1:3:A:ASP:H	11	0.17
(1,1243)	1:2:A:PHE:HB2	1:3:A:ASP:H	11	0.17
(1,1222)	1:50:A:LEU:H	1:53:A:GLU:H	12	0.17
(1,1215)	1:48:A:ASN:HD22	1:51:A:THR:HG21	10	0.17
(1,1215)	1:48:A:ASN:HD22	1:51:A:THR:HG22	10	0.17
(1,1215)	1:48:A:ASN:HD22	1:51:A:THR:HG23	10	0.17
(1,1215)	1:48:A:ASN:HD22	1:51:A:THR:HG21	11	0.17
(1,1215)	1:48:A:ASN:HD22	1:51:A:THR:HG22	11	0.17
(1,1215)	1:48:A:ASN:HD22	1:51:A:THR:HG23	11	0.17
(1,1174)	1:50:A:LEU:H	1:53:A:GLU:H	12	0.17
(1,1167)	1:48:A:ASN:HD22	1:51:A:THR:HG21	10	0.17
(1,1167)	1:48:A:ASN:HD22	1:51:A:THR:HG22	10	0.17
(1,1167)	1:48:A:ASN:HD22	1:51:A:THR:HG23	10	0.17
(1,1167)	1:48:A:ASN:HD22	1:51:A:THR:HG21	11	0.17
(1,1167)	1:48:A:ASN:HD22	1:51:A:THR:HG22	11	0.17
(1,1167)	1:48:A:ASN:HD22	1:51:A:THR:HG23	11	0.17
(1,1126)	1:50:A:LEU:H	1:53:A:GLU:H	12	0.17
(1,1119)	1:48:A:ASN:HD22	1:51:A:THR:HG21	10	0.17
(1,1119)	1:48:A:ASN:HD22	1:51:A:THR:HG22	10	0.17
(1,1119)	1:48:A:ASN:HD22	1:51:A:THR:HG23	10	0.17
(1,1119)	1:48:A:ASN:HD22	1:51:A:THR:HG21	11	0.17
(1,1119)	1:48:A:ASN:HD22	1:51:A:THR:HG22	11	0.17
(1,1119)	1:48:A:ASN:HD22	1:51:A:THR:HG23	11	0.17
(1,1078)	1:50:A:LEU:H	1:53:A:GLU:H	12	0.17
(1,1071)	1:48:A:ASN:HD22	1:51:A:THR:HG21	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1071)	1:48:A:ASN:HD22	1:51:A:THR:HG22	10	0.17
(1,1071)	1:48:A:ASN:HD22	1:51:A:THR:HG23	10	0.17
(1,1071)	1:48:A:ASN:HD22	1:51:A:THR:HG21	11	0.17
(1,1071)	1:48:A:ASN:HD22	1:51:A:THR:HG22	11	0.17
(1,1071)	1:48:A:ASN:HD22	1:51:A:THR:HG23	11	0.17
(1,1030)	1:50:A:LEU:H	1:53:A:GLU:H	12	0.17
(1,1023)	1:48:A:ASN:HD22	1:51:A:THR:HG21	10	0.17
(1,1023)	1:48:A:ASN:HD22	1:51:A:THR:HG22	10	0.17
(1,1023)	1:48:A:ASN:HD22	1:51:A:THR:HG23	10	0.17
(1,1023)	1:48:A:ASN:HD22	1:51:A:THR:HG21	11	0.17
(1,1023)	1:48:A:ASN:HD22	1:51:A:THR:HG22	11	0.17
(1,1023)	1:48:A:ASN:HD22	1:51:A:THR:HG23	11	0.17
(1,929)	1:29:A:VAL:HA	1:30:A:LYS:HG2	1	0.17
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG11	6	0.17
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG12	6	0.17
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG13	6	0.17
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG11	7	0.17
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG12	7	0.17
(1,824)	1:96:A:TYR:H	1:97:A:VAL:HG13	7	0.17
(1,766)	1:87:A:GLN:HA	1:90:A:GLU:H	7	0.17
(1,766)	1:87:A:GLN:HA	1:90:A:GLU:H	12	0.17
(1,766)	1:87:A:GLN:HA	1:90:A:GLU:H	13	0.17
(1,766)	1:87:A:GLN:HA	1:90:A:GLU:H	15	0.17
(1,756)	1:86:A:ARG:HG3	1:90:A:GLU:H	8	0.17
(1,756)	1:86:A:ARG:HG3	1:90:A:GLU:H	11	0.17
(1,756)	1:86:A:ARG:HG3	1:90:A:GLU:H	12	0.17
(1,756)	1:86:A:ARG:HG3	1:90:A:GLU:H	13	0.17
(1,509)	1:54:A:LEU:H	1:52:A:GLN:HB2	4	0.17
(1,509)	1:54:A:LEU:H	1:52:A:GLN:HB3	4	0.17
(1,509)	1:54:A:LEU:H	1:52:A:GLN:HB2	5	0.17
(1,509)	1:54:A:LEU:H	1:52:A:GLN:HB3	5	0.17
(1,236)	1:4:A:ILE:HB	1:5:A:GLY:H	12	0.17
(1,186)	1:93:A:LYS:H	1:90:A:GLU:H	12	0.17
(1,139)	1:69:A:ALA:H	1:66:A:VAL:HB	7	0.17
(1,139)	1:69:A:ALA:H	1:66:A:VAL:HB	11	0.17
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG21	3	0.17
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG22	3	0.17
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG23	3	0.17
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG21	6	0.17
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG22	6	0.17
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG23	6	0.17
(1,61)	1:28:A:ALA:H	1:27:A:VAL:HG21	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,61)	1:28:A:ALA:H	1:27:A:VAL:HG22	1	0.17
(1,61)	1:28:A:ALA:H	1:27:A:VAL:HG23	1	0.17
(1,27)	1:14:A:ILE:HB	1:15:A:ILE:HG21	9	0.17
(1,27)	1:14:A:ILE:HB	1:15:A:ILE:HG22	9	0.17
(1,27)	1:14:A:ILE:HB	1:15:A:ILE:HG23	9	0.17
(4,166)	1:92:A:MET:O	1:96:A:TYR:N	4	0.16
(4,166)	1:92:A:MET:O	1:96:A:TYR:N	5	0.16
(4,140)	1:58:A:GLU:O	1:62:A:SER:N	4	0.16
(4,136)	1:41:A:SER:O	1:45:A:THR:N	13	0.16
(4,136)	1:41:A:SER:O	1:45:A:THR:N	14	0.16
(4,132)	1:37:A:ARG:O	1:41:A:SER:N	10	0.16
(4,132)	1:37:A:ARG:O	1:41:A:SER:N	12	0.16
(4,123)	1:28:A:ALA:O	1:32:A:VAL:N	5	0.16
(4,123)	1:28:A:ALA:O	1:32:A:VAL:N	14	0.16
(4,120)	1:16:A:GLY:O	1:20:A:LEU:N	1	0.16
(4,120)	1:16:A:GLY:O	1:20:A:LEU:N	7	0.16
(4,120)	1:16:A:GLY:O	1:20:A:LEU:N	8	0.16
(4,120)	1:16:A:GLY:O	1:20:A:LEU:N	9	0.16
(4,120)	1:16:A:GLY:O	1:20:A:LEU:N	15	0.16
(4,116)	1:11:A:LEU:O	1:15:A:ILE:N	6	0.16
(4,113)	1:8:A:GLU:O	1:12:A:VAL:N	4	0.16
(4,113)	1:8:A:GLU:O	1:12:A:VAL:N	14	0.16
(4,109)	1:92:A:MET:O	1:96:A:TYR:H	1	0.16
(4,109)	1:92:A:MET:O	1:96:A:TYR:H	14	0.16
(4,107)	1:91:A:SER:O	1:95:A:SER:H	9	0.16
(4,77)	1:68:A:LYS:O	1:72:A:THR:H	8	0.16
(4,73)	1:66:A:VAL:O	1:70:A:SER:H	1	0.16
(4,73)	1:66:A:VAL:O	1:70:A:SER:H	2	0.16
(4,73)	1:66:A:VAL:O	1:70:A:SER:H	12	0.16
(4,71)	1:65:A:LYS:O	1:69:A:ALA:H	4	0.16
(4,53)	1:42:A:LEU:O	1:46:A:VAL:H	6	0.16
(4,53)	1:42:A:LEU:O	1:46:A:VAL:H	13	0.16
(4,49)	1:40:A:ARG:O	1:44:A:THR:H	10	0.16
(4,38)	1:34:A:GLY:O	1:38:A:ALA:N	12	0.16
(4,3)	1:7:A:SER:O	1:11:A:LEU:H	5	0.16
(4,3)	1:7:A:SER:O	1:11:A:LEU:H	13	0.16
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	10	0.16
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	10	0.16
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	10	0.16
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	10	0.16
(2,608)	1:56:A:LEU:HB3	1:51:A:THR:H	12	0.16
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG2	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG3	1	0.16
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG2	2	0.16
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG3	2	0.16
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG2	6	0.16
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG3	6	0.16
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG2	13	0.16
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG3	13	0.16
(2,601)	1:51:A:THR:HB	1:54:A:LEU:H	9	0.16
(2,601)	1:51:A:THR:HB	1:54:A:LEU:H	12	0.16
(2,601)	1:51:A:THR:HB	1:54:A:LEU:H	13	0.16
(2,601)	1:51:A:THR:HB	1:54:A:LEU:H	14	0.16
(2,595)	1:49:A:GLU:HA	1:54:A:LEU:H	4	0.16
(2,594)	1:49:A:GLU:HA	1:53:A:GLU:H	6	0.16
(2,594)	1:49:A:GLU:HA	1:53:A:GLU:H	7	0.16
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	10	0.16
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	10	0.16
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	10	0.16
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	10	0.16
(2,533)	1:56:A:LEU:HB3	1:51:A:THR:H	12	0.16
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG2	1	0.16
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG3	1	0.16
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG2	2	0.16
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG3	2	0.16
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG2	6	0.16
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG3	6	0.16
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG2	13	0.16
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG3	13	0.16
(2,526)	1:51:A:THR:HB	1:54:A:LEU:H	9	0.16
(2,526)	1:51:A:THR:HB	1:54:A:LEU:H	12	0.16
(2,526)	1:51:A:THR:HB	1:54:A:LEU:H	13	0.16
(2,526)	1:51:A:THR:HB	1:54:A:LEU:H	14	0.16
(2,520)	1:49:A:GLU:HA	1:54:A:LEU:H	4	0.16
(2,519)	1:49:A:GLU:HA	1:53:A:GLU:H	6	0.16
(2,519)	1:49:A:GLU:HA	1:53:A:GLU:H	7	0.16
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	10	0.16
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	10	0.16
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	10	0.16
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	10	0.16
(2,458)	1:56:A:LEU:HB3	1:51:A:THR:H	12	0.16
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG2	1	0.16
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG3	1	0.16
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG2	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG3	2	0.16
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG2	6	0.16
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG3	6	0.16
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG2	13	0.16
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG3	13	0.16
(2,451)	1:51:A:THR:HB	1:54:A:LEU:H	9	0.16
(2,451)	1:51:A:THR:HB	1:54:A:LEU:H	12	0.16
(2,451)	1:51:A:THR:HB	1:54:A:LEU:H	13	0.16
(2,451)	1:51:A:THR:HB	1:54:A:LEU:H	14	0.16
(2,445)	1:49:A:GLU:HA	1:54:A:LEU:H	4	0.16
(2,444)	1:49:A:GLU:HA	1:53:A:GLU:H	6	0.16
(2,444)	1:49:A:GLU:HA	1:53:A:GLU:H	7	0.16
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	10	0.16
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	10	0.16
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	10	0.16
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	10	0.16
(2,383)	1:56:A:LEU:HB3	1:51:A:THR:H	12	0.16
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG2	1	0.16
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG3	1	0.16
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG2	2	0.16
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG3	2	0.16
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG2	6	0.16
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG3	6	0.16
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG2	13	0.16
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG3	13	0.16
(2,376)	1:51:A:THR:HB	1:54:A:LEU:H	9	0.16
(2,376)	1:51:A:THR:HB	1:54:A:LEU:H	12	0.16
(2,376)	1:51:A:THR:HB	1:54:A:LEU:H	13	0.16
(2,376)	1:51:A:THR:HB	1:54:A:LEU:H	14	0.16
(2,370)	1:49:A:GLU:HA	1:54:A:LEU:H	4	0.16
(2,369)	1:49:A:GLU:HA	1:53:A:GLU:H	6	0.16
(2,369)	1:49:A:GLU:HA	1:53:A:GLU:H	7	0.16
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	10	0.16
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	10	0.16
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	10	0.16
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	10	0.16
(2,308)	1:56:A:LEU:HB3	1:51:A:THR:H	12	0.16
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG2	1	0.16
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG3	1	0.16
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG2	2	0.16
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG3	2	0.16
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG2	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG3	6	0.16
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG2	13	0.16
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG3	13	0.16
(2,301)	1:51:A:THR:HB	1:54:A:LEU:H	9	0.16
(2,301)	1:51:A:THR:HB	1:54:A:LEU:H	12	0.16
(2,301)	1:51:A:THR:HB	1:54:A:LEU:H	13	0.16
(2,301)	1:51:A:THR:HB	1:54:A:LEU:H	14	0.16
(2,295)	1:49:A:GLU:HA	1:54:A:LEU:H	4	0.16
(2,294)	1:49:A:GLU:HA	1:53:A:GLU:H	6	0.16
(2,294)	1:49:A:GLU:HA	1:53:A:GLU:H	7	0.16
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD11	11	0.16
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD12	11	0.16
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD13	11	0.16
(2,252)	1:71:A:LEU:HB2	1:72:A:THR:HB	4	0.16
(2,252)	1:71:A:LEU:HB2	1:72:A:THR:HB	5	0.16
(2,252)	1:71:A:LEU:HB2	1:72:A:THR:HB	7	0.16
(2,174)	1:69:A:ALA:HA	1:73:A:ASN:HD21	5	0.16
(2,174)	1:69:A:ALA:HA	1:73:A:ASN:HD22	5	0.16
(2,174)	1:69:A:ALA:HA	1:73:A:ASN:HD21	7	0.16
(2,174)	1:69:A:ALA:HA	1:73:A:ASN:HD22	7	0.16
(2,126)	1:13:A:PHE:HZ	1:17:A:LEU:HB2	11	0.16
(2,126)	1:13:A:PHE:HZ	1:17:A:LEU:HB3	11	0.16
(2,71)	1:58:A:GLU:H	1:62:A:SER:H	6	0.16
(1,2819)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	12	0.16
(1,2819)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	12	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD11	1	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD12	1	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD13	1	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD21	1	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD22	1	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD23	1	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD11	4	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD12	4	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD13	4	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD21	4	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD22	4	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD23	4	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD11	5	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD12	5	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD13	5	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD21	5	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD22	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD23	5	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD11	6	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD12	6	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD13	6	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD21	6	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD22	6	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD23	6	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD11	9	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD12	9	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD13	9	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD21	9	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD22	9	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD23	9	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD11	10	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD12	10	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD13	10	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD21	10	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD22	10	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD23	10	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD11	14	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD12	14	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD13	14	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD21	14	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD22	14	0.16
(1,2757)	1:21:A:GLY:H	1:17:A:LEU:HD23	14	0.16
(1,2695)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	12	0.16
(1,2695)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	12	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD11	1	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD12	1	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD13	1	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD21	1	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD22	1	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD23	1	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD11	4	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD12	4	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD13	4	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD21	4	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD22	4	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD23	4	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD11	5	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD12	5	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD13	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD21	5	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD22	5	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD23	5	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD11	6	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD12	6	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD13	6	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD21	6	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD22	6	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD23	6	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD11	9	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD12	9	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD13	9	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD21	9	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD22	9	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD23	9	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD11	10	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD12	10	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD13	10	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD21	10	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD22	10	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD23	10	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD11	14	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD12	14	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD13	14	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD21	14	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD22	14	0.16
(1,2633)	1:21:A:GLY:H	1:17:A:LEU:HD23	14	0.16
(1,2571)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	12	0.16
(1,2571)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	12	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD11	1	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD12	1	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD13	1	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD21	1	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD22	1	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD23	1	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD11	4	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD12	4	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD13	4	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD21	4	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD22	4	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD23	4	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD11	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD12	5	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD13	5	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD21	5	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD22	5	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD23	5	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD11	6	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD12	6	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD13	6	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD21	6	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD22	6	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD23	6	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD11	9	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD12	9	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD13	9	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD21	9	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD22	9	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD23	9	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD11	10	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD12	10	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD13	10	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD21	10	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD22	10	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD23	10	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD11	14	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD12	14	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD13	14	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD21	14	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD22	14	0.16
(1,2509)	1:21:A:GLY:H	1:17:A:LEU:HD23	14	0.16
(1,2447)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	12	0.16
(1,2447)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	12	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD11	1	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD12	1	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD13	1	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD21	1	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD22	1	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD23	1	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD11	4	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD12	4	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD13	4	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD21	4	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD22	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD23	4	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD11	5	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD12	5	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD13	5	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD21	5	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD22	5	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD23	5	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD11	6	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD12	6	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD13	6	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD21	6	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD22	6	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD23	6	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD11	9	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD12	9	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD13	9	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD21	9	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD22	9	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD23	9	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD11	10	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD12	10	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD13	10	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD21	10	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD22	10	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD23	10	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD11	14	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD12	14	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD13	14	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD21	14	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD22	14	0.16
(1,2385)	1:21:A:GLY:H	1:17:A:LEU:HD23	14	0.16
(1,2323)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	12	0.16
(1,2323)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	12	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD11	1	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD12	1	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD13	1	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD21	1	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD22	1	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD23	1	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD11	4	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD12	4	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD13	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD21	4	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD22	4	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD23	4	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD11	5	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD12	5	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD13	5	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD21	5	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD22	5	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD23	5	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD11	6	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD12	6	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD13	6	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD21	6	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD22	6	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD23	6	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD11	9	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD12	9	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD13	9	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD21	9	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD22	9	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD23	9	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD11	10	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD12	10	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD13	10	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD21	10	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD22	10	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD23	10	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD11	14	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD12	14	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD13	14	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD21	14	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD22	14	0.16
(1,2261)	1:21:A:GLY:H	1:17:A:LEU:HD23	14	0.16
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD11	11	0.16
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD12	11	0.16
(1,2244)	1:103:A:GLU:H	1:102:A:LEU:HD13	11	0.16
(1,2226)	1:101:A:PRO:HD2	1:99:A:ASN:HB3	4	0.16
(1,2226)	1:101:A:PRO:HD3	1:99:A:ASN:HB3	4	0.16
(1,2226)	1:101:A:PRO:HD2	1:99:A:ASN:HB2	4	0.16
(1,2226)	1:101:A:PRO:HD3	1:99:A:ASN:HB2	4	0.16
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB1	12	0.16
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB2	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB3	12	0.16
(1,2195)	1:96:A:TYR:HA	1:98:A:ALA:H	5	0.16
(1,2192)	1:96:A:TYR:HB3	1:97:A:VAL:H	6	0.16
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG21	12	0.16
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG22	12	0.16
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG23	12	0.16
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB2	11	0.16
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB3	11	0.16
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB2	14	0.16
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB3	14	0.16
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB2	15	0.16
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB3	15	0.16
(1,2163)	1:93:A:LYS:HA	1:96:A:TYR:HB2	3	0.16
(1,2163)	1:93:A:LYS:HA	1:96:A:TYR:HB3	3	0.16
(1,2163)	1:93:A:LYS:HA	1:96:A:TYR:HB2	8	0.16
(1,2163)	1:93:A:LYS:HA	1:96:A:TYR:HB3	8	0.16
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB1	6	0.16
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB2	6	0.16
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB3	6	0.16
(1,2077)	1:83:A:ASP:HB2	1:80:A:ALA:HA	11	0.16
(1,2077)	1:83:A:ASP:HB3	1:80:A:ALA:HA	11	0.16
(1,2018)	1:76:A:PRO:HA	1:79:A:LYS:H	1	0.16
(1,2018)	1:76:A:PRO:HA	1:79:A:LYS:H	12	0.16
(1,1988)	1:73:A:ASN:HB2	1:72:A:THR:HB	3	0.16
(1,1988)	1:73:A:ASN:HB3	1:72:A:THR:HB	3	0.16
(1,1987)	1:73:A:ASN:HD21	1:72:A:THR:HB	13	0.16
(1,1987)	1:73:A:ASN:HD22	1:72:A:THR:HB	13	0.16
(1,1954)	1:68:A:LYS:H	1:67:A:GLU:HB2	8	0.16
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE2	4	0.16
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE3	4	0.16
(1,1858)	1:54:A:LEU:H	1:53:A:GLU:HG2	2	0.16
(1,1858)	1:54:A:LEU:H	1:53:A:GLU:HG3	2	0.16
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG2	12	0.16
(1,1853)	1:52:A:GLN:H	1:53:A:GLU:HG3	12	0.16
(1,1820)	1:46:A:VAL:HA	1:45:A:THR:HG21	9	0.16
(1,1820)	1:46:A:VAL:HA	1:45:A:THR:HG22	9	0.16
(1,1820)	1:46:A:VAL:HA	1:45:A:THR:HG23	9	0.16
(1,1787)	1:42:A:LEU:HD11	1:43:A:ALA:H	9	0.16
(1,1787)	1:42:A:LEU:HD12	1:43:A:ALA:H	9	0.16
(1,1787)	1:42:A:LEU:HD13	1:43:A:ALA:H	9	0.16
(1,1787)	1:42:A:LEU:HD21	1:43:A:ALA:H	9	0.16
(1,1787)	1:42:A:LEU:HD22	1:43:A:ALA:H	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1787)	1:42:A:LEU:HD23	1:43:A:ALA:H	9	0.16
(1,1786)	1:42:A:LEU:H	1:41:A:SER:HB2	9	0.16
(1,1786)	1:42:A:LEU:H	1:41:A:SER:HB3	9	0.16
(1,1707)	1:23:A:GLN:H	1:24:A:ARG:H	12	0.16
(1,1663)	1:15:A:ILE:HB	1:12:A:VAL:HA	11	0.16
(1,1628)	1:11:A:LEU:HB2	1:12:A:VAL:H	7	0.16
(1,1628)	1:11:A:LEU:HB3	1:12:A:VAL:H	7	0.16
(1,1628)	1:11:A:LEU:HB2	1:12:A:VAL:H	8	0.16
(1,1628)	1:11:A:LEU:HB3	1:12:A:VAL:H	8	0.16
(1,1628)	1:11:A:LEU:HB2	1:12:A:VAL:H	15	0.16
(1,1628)	1:11:A:LEU:HB3	1:12:A:VAL:H	15	0.16
(1,1615)	1:8:A:GLU:H	1:9:A:LEU:H	3	0.16
(1,1615)	1:8:A:GLU:H	1:9:A:LEU:H	15	0.16
(1,1597)	1:6:A:PHE:HA	1:9:A:LEU:HB2	6	0.16
(1,1568)	1:3:A:ASP:HB2	1:4:A:ILE:H	5	0.16
(1,1568)	1:3:A:ASP:HB2	1:4:A:ILE:H	8	0.16
(1,1493)	1:82:A:MET:HG2	1:81:A:SER:H	2	0.16
(1,1493)	1:82:A:MET:HG3	1:81:A:SER:H	2	0.16
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD21	10	0.16
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD22	10	0.16
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD23	10	0.16
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD11	10	0.16
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD12	10	0.16
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD13	10	0.16
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG21	14	0.16
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG22	14	0.16
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG23	14	0.16
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG21	14	0.16
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG22	14	0.16
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG23	14	0.16
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG21	14	0.16
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG22	14	0.16
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG23	14	0.16
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG11	14	0.16
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG12	14	0.16
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG13	14	0.16
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG11	14	0.16
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG12	14	0.16
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG13	14	0.16
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG11	14	0.16
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG12	14	0.16
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG13	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1387)	1:42:A:LEU:HD11	1:39:A:LEU:HA	5	0.16
(1,1387)	1:42:A:LEU:HD12	1:39:A:LEU:HA	5	0.16
(1,1387)	1:42:A:LEU:HD13	1:39:A:LEU:HA	5	0.16
(1,1387)	1:42:A:LEU:HD21	1:39:A:LEU:HA	5	0.16
(1,1387)	1:42:A:LEU:HD22	1:39:A:LEU:HA	5	0.16
(1,1387)	1:42:A:LEU:HD23	1:39:A:LEU:HA	5	0.16
(1,1387)	1:42:A:LEU:HD11	1:39:A:LEU:HA	10	0.16
(1,1387)	1:42:A:LEU:HD12	1:39:A:LEU:HA	10	0.16
(1,1387)	1:42:A:LEU:HD13	1:39:A:LEU:HA	10	0.16
(1,1387)	1:42:A:LEU:HD21	1:39:A:LEU:HA	10	0.16
(1,1387)	1:42:A:LEU:HD22	1:39:A:LEU:HA	10	0.16
(1,1387)	1:42:A:LEU:HD23	1:39:A:LEU:HA	10	0.16
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG21	4	0.16
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG22	4	0.16
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG23	4	0.16
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG21	13	0.16
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG22	13	0.16
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG23	13	0.16
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG21	14	0.16
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG22	14	0.16
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG23	14	0.16
(1,1228)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	4	0.16
(1,1228)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	4	0.16
(1,1228)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	7	0.16
(1,1228)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	7	0.16
(1,1228)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	8	0.16
(1,1228)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	8	0.16
(1,1228)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	10	0.16
(1,1228)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	10	0.16
(1,1180)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	4	0.16
(1,1180)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	4	0.16
(1,1180)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	7	0.16
(1,1180)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	7	0.16
(1,1180)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	8	0.16
(1,1180)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	8	0.16
(1,1180)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	10	0.16
(1,1180)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	10	0.16
(1,1132)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	4	0.16
(1,1132)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	4	0.16
(1,1132)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	7	0.16
(1,1132)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	7	0.16
(1,1132)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1132)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	8	0.16
(1,1132)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	10	0.16
(1,1132)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	10	0.16
(1,1084)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	4	0.16
(1,1084)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	4	0.16
(1,1084)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	7	0.16
(1,1084)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	7	0.16
(1,1084)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	8	0.16
(1,1084)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	8	0.16
(1,1084)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	10	0.16
(1,1084)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	10	0.16
(1,1036)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	4	0.16
(1,1036)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	4	0.16
(1,1036)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	7	0.16
(1,1036)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	7	0.16
(1,1036)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	8	0.16
(1,1036)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	8	0.16
(1,1036)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	10	0.16
(1,1036)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	10	0.16
(1,865)	1:103:A:GLU:HB2	1:102:A:LEU:HG	3	0.16
(1,865)	1:103:A:GLU:HB3	1:102:A:LEU:HG	3	0.16
(1,836)	1:97:A:VAL:HA	1:100:A:ASP:H	9	0.16
(1,786)	1:91:A:SER:HA	1:93:A:LYS:H	11	0.16
(1,766)	1:87:A:GLN:HA	1:90:A:GLU:H	1	0.16
(1,766)	1:87:A:GLN:HA	1:90:A:GLU:H	3	0.16
(1,766)	1:87:A:GLN:HA	1:90:A:GLU:H	6	0.16
(1,766)	1:87:A:GLN:HA	1:90:A:GLU:H	8	0.16
(1,756)	1:86:A:ARG:HG3	1:90:A:GLU:H	2	0.16
(1,756)	1:86:A:ARG:HG3	1:90:A:GLU:H	4	0.16
(1,756)	1:86:A:ARG:HG3	1:90:A:GLU:H	5	0.16
(1,654)	1:76:A:PRO:HA	1:79:A:LYS:HB3	8	0.16
(1,560)	1:65:A:LYS:H	1:62:A:SER:HB2	7	0.16
(1,493)	1:51:A:THR:HB	1:52:A:GLN:HG2	9	0.16
(1,493)	1:51:A:THR:HB	1:52:A:GLN:HG3	9	0.16
(1,259)	1:6:A:PHE:HA	1:9:A:LEU:HG	3	0.16
(1,259)	1:6:A:PHE:HA	1:9:A:LEU:HG	8	0.16
(1,232)	1:4:A:ILE:HG12	1:3:A:ASP:HA	13	0.16
(1,186)	1:93:A:LYS:H	1:90:A:GLU:H	13	0.16
(1,186)	1:93:A:LYS:H	1:90:A:GLU:H	15	0.16
(1,139)	1:69:A:ALA:H	1:66:A:VAL:HB	15	0.16
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG21	2	0.16
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG22	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG23	2	0.16
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG21	7	0.16
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG22	7	0.16
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG23	7	0.16
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG21	9	0.16
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG22	9	0.16
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG23	9	0.16
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG21	10	0.16
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG22	10	0.16
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG23	10	0.16
(4,166)	1:92:A:MET:O	1:96:A:TYR:N	2	0.15
(4,150)	1:68:A:LYS:O	1:72:A:THR:N	13	0.15
(4,140)	1:58:A:GLU:O	1:62:A:SER:N	5	0.15
(4,140)	1:58:A:GLU:O	1:62:A:SER:N	8	0.15
(4,136)	1:41:A:SER:O	1:45:A:THR:N	2	0.15
(4,132)	1:37:A:ARG:O	1:41:A:SER:N	13	0.15
(4,123)	1:28:A:ALA:O	1:32:A:VAL:N	8	0.15
(4,120)	1:16:A:GLY:O	1:20:A:LEU:N	3	0.15
(4,115)	1:10:A:LEU:O	1:14:A:ILE:N	8	0.15
(4,114)	1:9:A:LEU:O	1:13:A:PHE:N	4	0.15
(4,114)	1:9:A:LEU:O	1:13:A:PHE:N	14	0.15
(4,113)	1:8:A:GLU:O	1:12:A:VAL:N	13	0.15
(4,71)	1:65:A:LYS:O	1:69:A:ALA:H	14	0.15
(4,67)	1:63:A:LEU:O	1:67:A:GLU:H	10	0.15
(4,61)	1:60:A:GLN:O	1:64:A:LYS:H	9	0.15
(4,53)	1:42:A:LEU:O	1:46:A:VAL:H	1	0.15
(4,49)	1:40:A:ARG:O	1:44:A:THR:H	11	0.15
(4,38)	1:34:A:GLY:O	1:38:A:ALA:N	14	0.15
(4,3)	1:7:A:SER:O	1:11:A:LEU:H	6	0.15
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG21	3	0.15
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG22	3	0.15
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG23	3	0.15
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG21	9	0.15
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG22	9	0.15
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG23	9	0.15
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD21	3	0.15
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD22	3	0.15
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD23	3	0.15
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD21	4	0.15
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD22	4	0.15
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD23	4	0.15
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD21	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD22	9	0.15
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD23	9	0.15
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD21	14	0.15
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD22	14	0.15
(2,627)	1:67:A:GLU:HA	1:78:A:LEU:HD23	14	0.15
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	12	0.15
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	12	0.15
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	12	0.15
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	12	0.15
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	12	0.15
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	12	0.15
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	12	0.15
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	12	0.15
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	12	0.15
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	12	0.15
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	12	0.15
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	12	0.15
(2,608)	1:56:A:LEU:HB3	1:51:A:THR:H	9	0.15
(2,608)	1:56:A:LEU:HB3	1:51:A:THR:H	13	0.15
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG2	5	0.15
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG3	5	0.15
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG2	8	0.15
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG3	8	0.15
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG2	9	0.15
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG3	9	0.15
(2,596)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	6	0.15
(2,596)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	6	0.15
(2,596)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	6	0.15
(2,595)	1:49:A:GLU:HA	1:54:A:LEU:H	3	0.15
(2,595)	1:49:A:GLU:HA	1:54:A:LEU:H	6	0.15
(2,594)	1:49:A:GLU:HA	1:53:A:GLU:H	3	0.15
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD21	13	0.15
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD22	13	0.15
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD23	13	0.15
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG21	3	0.15
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG22	3	0.15
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG23	3	0.15
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG21	9	0.15
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG22	9	0.15
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG23	9	0.15
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD21	3	0.15
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD22	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD23	3	0.15
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD21	4	0.15
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD22	4	0.15
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD23	4	0.15
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD21	9	0.15
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD22	9	0.15
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD23	9	0.15
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD21	14	0.15
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD22	14	0.15
(2,552)	1:67:A:GLU:HA	1:78:A:LEU:HD23	14	0.15
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	12	0.15
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	12	0.15
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	12	0.15
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	12	0.15
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	12	0.15
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	12	0.15
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	12	0.15
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	12	0.15
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	12	0.15
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	12	0.15
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	12	0.15
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	12	0.15
(2,533)	1:56:A:LEU:HB3	1:51:A:THR:H	9	0.15
(2,533)	1:56:A:LEU:HB3	1:51:A:THR:H	13	0.15
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG2	5	0.15
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG3	5	0.15
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG2	8	0.15
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG3	8	0.15
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG2	9	0.15
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG3	9	0.15
(2,521)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	6	0.15
(2,521)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	6	0.15
(2,521)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	6	0.15
(2,520)	1:49:A:GLU:HA	1:54:A:LEU:H	3	0.15
(2,520)	1:49:A:GLU:HA	1:54:A:LEU:H	6	0.15
(2,519)	1:49:A:GLU:HA	1:53:A:GLU:H	3	0.15
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD21	13	0.15
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD22	13	0.15
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD23	13	0.15
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG21	3	0.15
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG22	3	0.15
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG23	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG21	9	0.15
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG22	9	0.15
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG23	9	0.15
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD21	3	0.15
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD22	3	0.15
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD23	3	0.15
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD21	4	0.15
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD22	4	0.15
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD23	4	0.15
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD21	9	0.15
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD22	9	0.15
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD23	9	0.15
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD21	14	0.15
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD22	14	0.15
(2,477)	1:67:A:GLU:HA	1:78:A:LEU:HD23	14	0.15
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	12	0.15
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	12	0.15
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	12	0.15
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	12	0.15
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	12	0.15
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	12	0.15
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	12	0.15
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	12	0.15
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	12	0.15
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	12	0.15
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	12	0.15
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	12	0.15
(2,458)	1:56:A:LEU:HB3	1:51:A:THR:H	9	0.15
(2,458)	1:56:A:LEU:HB3	1:51:A:THR:H	13	0.15
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG2	5	0.15
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG3	5	0.15
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG2	8	0.15
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG3	8	0.15
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG2	9	0.15
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG3	9	0.15
(2,446)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	6	0.15
(2,446)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	6	0.15
(2,446)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	6	0.15
(2,445)	1:49:A:GLU:HA	1:54:A:LEU:H	3	0.15
(2,445)	1:49:A:GLU:HA	1:54:A:LEU:H	6	0.15
(2,444)	1:49:A:GLU:HA	1:53:A:GLU:H	3	0.15
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD21	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD22	13	0.15
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD23	13	0.15
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG21	3	0.15
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG22	3	0.15
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG23	3	0.15
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG21	9	0.15
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG22	9	0.15
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG23	9	0.15
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD21	3	0.15
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD22	3	0.15
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD23	3	0.15
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD21	4	0.15
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD22	4	0.15
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD23	4	0.15
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD21	9	0.15
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD22	9	0.15
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD23	9	0.15
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD21	14	0.15
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD22	14	0.15
(2,402)	1:67:A:GLU:HA	1:78:A:LEU:HD23	14	0.15
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	12	0.15
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	12	0.15
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	12	0.15
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	12	0.15
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	12	0.15
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	12	0.15
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	12	0.15
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	12	0.15
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	12	0.15
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	12	0.15
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	12	0.15
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	12	0.15
(2,383)	1:56:A:LEU:HB3	1:51:A:THR:H	9	0.15
(2,383)	1:56:A:LEU:HB3	1:51:A:THR:H	13	0.15
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG2	5	0.15
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG3	5	0.15
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG2	8	0.15
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG3	8	0.15
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG2	9	0.15
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG3	9	0.15
(2,371)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	6	0.15
(2,371)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,371)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	6	0.15
(2,370)	1:49:A:GLU:HA	1:54:A:LEU:H	3	0.15
(2,370)	1:49:A:GLU:HA	1:54:A:LEU:H	6	0.15
(2,369)	1:49:A:GLU:HA	1:53:A:GLU:H	3	0.15
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD21	13	0.15
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD22	13	0.15
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD23	13	0.15
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG21	3	0.15
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG22	3	0.15
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG23	3	0.15
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG21	9	0.15
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG22	9	0.15
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG23	9	0.15
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD21	3	0.15
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD22	3	0.15
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD23	3	0.15
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD21	4	0.15
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD22	4	0.15
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD23	4	0.15
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD21	9	0.15
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD22	9	0.15
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD23	9	0.15
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD21	14	0.15
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD22	14	0.15
(2,327)	1:67:A:GLU:HA	1:78:A:LEU:HD23	14	0.15
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	12	0.15
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	12	0.15
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	12	0.15
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	12	0.15
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	12	0.15
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	12	0.15
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	12	0.15
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	12	0.15
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	12	0.15
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	12	0.15
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	12	0.15
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	12	0.15
(2,308)	1:56:A:LEU:HB3	1:51:A:THR:H	9	0.15
(2,308)	1:56:A:LEU:HB3	1:51:A:THR:H	13	0.15
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG2	5	0.15
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG3	5	0.15
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG2	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG3	8	0.15
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG2	9	0.15
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG3	9	0.15
(2,296)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	6	0.15
(2,296)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	6	0.15
(2,296)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	6	0.15
(2,295)	1:49:A:GLU:HA	1:54:A:LEU:H	3	0.15
(2,295)	1:49:A:GLU:HA	1:54:A:LEU:H	6	0.15
(2,294)	1:49:A:GLU:HA	1:53:A:GLU:H	3	0.15
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD21	13	0.15
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD22	13	0.15
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD23	13	0.15
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD11	3	0.15
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD12	3	0.15
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD13	3	0.15
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD11	15	0.15
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD12	15	0.15
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD13	15	0.15
(2,252)	1:71:A:LEU:HB2	1:72:A:THR:HB	11	0.15
(2,252)	1:71:A:LEU:HB2	1:72:A:THR:HB	14	0.15
(2,222)	1:96:A:TYR:H	1:100:A:ASP:H	8	0.15
(2,126)	1:13:A:PHE:HZ	1:17:A:LEU:HB2	9	0.15
(2,126)	1:13:A:PHE:HZ	1:17:A:LEU:HB3	9	0.15
(2,119)	1:9:A:LEU:HA	1:12:A:VAL:HA	12	0.15
(2,118)	1:8:A:GLU:HB3	1:7:A:SER:HB2	6	0.15
(2,108)	1:2:A:PHE:HD1	1:4:A:ILE:HB	5	0.15
(2,108)	1:2:A:PHE:HD2	1:4:A:ILE:HB	5	0.15
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD11	1	0.15
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD12	1	0.15
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD13	1	0.15
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD21	1	0.15
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD22	1	0.15
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD23	1	0.15
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD11	2	0.15
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD12	2	0.15
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD13	2	0.15
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD21	2	0.15
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD22	2	0.15
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD23	2	0.15
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD11	10	0.15
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD12	10	0.15
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD13	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD21	10	0.15
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD22	10	0.15
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD23	10	0.15
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD11	12	0.15
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD12	12	0.15
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD13	12	0.15
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD21	12	0.15
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD22	12	0.15
(2,81)	1:69:A:ALA:HA	1:74:A:LEU:HD23	12	0.15
(2,62)	1:47:A:GLN:HE21	1:46:A:VAL:HG11	11	0.15
(2,62)	1:47:A:GLN:HE21	1:46:A:VAL:HG12	11	0.15
(2,62)	1:47:A:GLN:HE21	1:46:A:VAL:HG13	11	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG11	2	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG12	2	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG13	2	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG11	3	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG12	3	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG13	3	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG11	4	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG12	4	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG13	4	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG11	5	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG12	5	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG13	5	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG11	6	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG12	6	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG13	6	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG11	7	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG12	7	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG13	7	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG11	8	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG12	8	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG13	8	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG11	9	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG12	9	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG13	9	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG11	10	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG12	10	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG13	10	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG11	11	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG12	11	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG13	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG11	12	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG12	12	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG13	12	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG11	13	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG12	13	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG13	13	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG11	14	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG12	14	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG13	14	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG11	15	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG12	15	0.15
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG13	15	0.15
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD11	13	0.15
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD12	13	0.15
(1,2843)	1:70:A:SER:H	1:74:A:LEU:HD13	13	0.15
(1,2823)	1:56:A:LEU:HA	1:59:A:PHE:HB2	12	0.15
(1,2823)	1:56:A:LEU:HA	1:59:A:PHE:HB3	12	0.15
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD21	7	0.15
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD22	7	0.15
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD23	7	0.15
(1,2802)	1:50:A:LEU:H	1:53:A:GLU:H	1	0.15
(1,2802)	1:50:A:LEU:H	1:53:A:GLU:H	8	0.15
(1,2802)	1:50:A:LEU:H	1:53:A:GLU:H	9	0.15
(1,2793)	1:49:A:GLU:H	1:44:A:THR:HA	10	0.15
(1,2778)	1:45:A:THR:HA	1:49:A:GLU:H	11	0.15
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD11	13	0.15
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD12	13	0.15
(1,2719)	1:70:A:SER:H	1:74:A:LEU:HD13	13	0.15
(1,2699)	1:56:A:LEU:HA	1:59:A:PHE:HB2	12	0.15
(1,2699)	1:56:A:LEU:HA	1:59:A:PHE:HB3	12	0.15
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD21	7	0.15
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD22	7	0.15
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD23	7	0.15
(1,2678)	1:50:A:LEU:H	1:53:A:GLU:H	1	0.15
(1,2678)	1:50:A:LEU:H	1:53:A:GLU:H	8	0.15
(1,2678)	1:50:A:LEU:H	1:53:A:GLU:H	9	0.15
(1,2669)	1:49:A:GLU:H	1:44:A:THR:HA	10	0.15
(1,2654)	1:45:A:THR:HA	1:49:A:GLU:H	11	0.15
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD11	13	0.15
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD12	13	0.15
(1,2595)	1:70:A:SER:H	1:74:A:LEU:HD13	13	0.15
(1,2575)	1:56:A:LEU:HA	1:59:A:PHE:HB2	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2575)	1:56:A:LEU:HA	1:59:A:PHE:HB3	12	0.15
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD21	7	0.15
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD22	7	0.15
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD23	7	0.15
(1,2554)	1:50:A:LEU:H	1:53:A:GLU:H	1	0.15
(1,2554)	1:50:A:LEU:H	1:53:A:GLU:H	8	0.15
(1,2554)	1:50:A:LEU:H	1:53:A:GLU:H	9	0.15
(1,2545)	1:49:A:GLU:H	1:44:A:THR:HA	10	0.15
(1,2530)	1:45:A:THR:HA	1:49:A:GLU:H	11	0.15
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD11	13	0.15
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD12	13	0.15
(1,2471)	1:70:A:SER:H	1:74:A:LEU:HD13	13	0.15
(1,2451)	1:56:A:LEU:HA	1:59:A:PHE:HB2	12	0.15
(1,2451)	1:56:A:LEU:HA	1:59:A:PHE:HB3	12	0.15
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD21	7	0.15
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD22	7	0.15
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD23	7	0.15
(1,2430)	1:50:A:LEU:H	1:53:A:GLU:H	1	0.15
(1,2430)	1:50:A:LEU:H	1:53:A:GLU:H	8	0.15
(1,2430)	1:50:A:LEU:H	1:53:A:GLU:H	9	0.15
(1,2421)	1:49:A:GLU:H	1:44:A:THR:HA	10	0.15
(1,2406)	1:45:A:THR:HA	1:49:A:GLU:H	11	0.15
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD11	13	0.15
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD12	13	0.15
(1,2347)	1:70:A:SER:H	1:74:A:LEU:HD13	13	0.15
(1,2327)	1:56:A:LEU:HA	1:59:A:PHE:HB2	12	0.15
(1,2327)	1:56:A:LEU:HA	1:59:A:PHE:HB3	12	0.15
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD21	7	0.15
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD22	7	0.15
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD23	7	0.15
(1,2306)	1:50:A:LEU:H	1:53:A:GLU:H	1	0.15
(1,2306)	1:50:A:LEU:H	1:53:A:GLU:H	8	0.15
(1,2306)	1:50:A:LEU:H	1:53:A:GLU:H	9	0.15
(1,2297)	1:49:A:GLU:H	1:44:A:THR:HA	10	0.15
(1,2282)	1:45:A:THR:HA	1:49:A:GLU:H	11	0.15
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB1	1	0.15
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB2	1	0.15
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB3	1	0.15
(1,2192)	1:96:A:TYR:HB3	1:97:A:VAL:H	5	0.15
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB2	4	0.15
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB3	4	0.15
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB2	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB3	13	0.15
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB1	9	0.15
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB2	9	0.15
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB3	9	0.15
(1,2096)	1:84:A:GLU:H	1:83:A:ASP:HB2	2	0.15
(1,2077)	1:83:A:ASP:HB2	1:80:A:ALA:HA	12	0.15
(1,2077)	1:83:A:ASP:HB3	1:80:A:ALA:HA	12	0.15
(1,2021)	1:76:A:PRO:HA	1:80:A:ALA:H	13	0.15
(1,2002)	1:74:A:LEU:H	1:71:A:LEU:HA	15	0.15
(1,1988)	1:73:A:ASN:HB2	1:72:A:THR:HB	11	0.15
(1,1988)	1:73:A:ASN:HB3	1:72:A:THR:HB	11	0.15
(1,1970)	1:70:A:SER:HA	1:74:A:LEU:HG	13	0.15
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG2	3	0.15
(1,1931)	1:65:A:LYS:HA	1:68:A:LYS:HG3	3	0.15
(1,1926)	1:65:A:LYS:H	1:64:A:LYS:H	11	0.15
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE2	8	0.15
(1,1924)	1:65:A:LYS:H	1:64:A:LYS:HE3	8	0.15
(1,1894)	1:63:A:LEU:HG	1:59:A:PHE:HD1	10	0.15
(1,1894)	1:63:A:LEU:HG	1:59:A:PHE:HD2	10	0.15
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD11	8	0.15
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD12	8	0.15
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD13	8	0.15
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD21	8	0.15
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD22	8	0.15
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD23	8	0.15
(1,1855)	1:55:A:LYS:H	1:54:A:LEU:HB2	7	0.15
(1,1855)	1:55:A:LYS:H	1:54:A:LEU:HB3	7	0.15
(1,1837)	1:49:A:GLU:H	1:48:A:ASN:HA	15	0.15
(1,1811)	1:45:A:THR:H	1:46:A:VAL:H	8	0.15
(1,1811)	1:45:A:THR:H	1:46:A:VAL:H	9	0.15
(1,1790)	1:42:A:LEU:HD11	1:45:A:THR:HB	10	0.15
(1,1790)	1:42:A:LEU:HD12	1:45:A:THR:HB	10	0.15
(1,1790)	1:42:A:LEU:HD13	1:45:A:THR:HB	10	0.15
(1,1790)	1:42:A:LEU:HD21	1:45:A:THR:HB	10	0.15
(1,1790)	1:42:A:LEU:HD22	1:45:A:THR:HB	10	0.15
(1,1790)	1:42:A:LEU:HD23	1:45:A:THR:HB	10	0.15
(1,1790)	1:42:A:LEU:HD11	1:45:A:THR:HB	15	0.15
(1,1790)	1:42:A:LEU:HD12	1:45:A:THR:HB	15	0.15
(1,1790)	1:42:A:LEU:HD13	1:45:A:THR:HB	15	0.15
(1,1790)	1:42:A:LEU:HD21	1:45:A:THR:HB	15	0.15
(1,1790)	1:42:A:LEU:HD22	1:45:A:THR:HB	15	0.15
(1,1790)	1:42:A:LEU:HD23	1:45:A:THR:HB	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1786)	1:42:A:LEU:H	1:41:A:SER:HB2	1	0.15
(1,1786)	1:42:A:LEU:H	1:41:A:SER:HB3	1	0.15
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG21	10	0.15
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG22	10	0.15
(1,1783)	1:41:A:SER:HB2	1:44:A:THR:HG23	10	0.15
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG21	10	0.15
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG22	10	0.15
(1,1783)	1:41:A:SER:HB3	1:44:A:THR:HG23	10	0.15
(1,1767)	1:37:A:ARG:HB2	1:38:A:ALA:H	11	0.15
(1,1767)	1:37:A:ARG:HB3	1:38:A:ALA:H	11	0.15
(1,1724)	1:27:A:VAL:H	1:28:A:ALA:H	2	0.15
(1,1707)	1:23:A:GLN:H	1:24:A:ARG:H	13	0.15
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG11	12	0.15
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG12	12	0.15
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG13	12	0.15
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG21	12	0.15
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG22	12	0.15
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG23	12	0.15
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA2	1	0.15
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA3	1	0.15
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA2	2	0.15
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA3	2	0.15
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA2	3	0.15
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA3	3	0.15
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA2	7	0.15
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA3	7	0.15
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA2	8	0.15
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA3	8	0.15
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA2	15	0.15
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA3	15	0.15
(1,1652)	1:14:A:ILE:H	1:11:A:LEU:HA	13	0.15
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD1	7	0.15
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD2	7	0.15
(1,1602)	1:6:A:PHE:HD1	1:10:A:LEU:HD11	11	0.15
(1,1602)	1:6:A:PHE:HD1	1:10:A:LEU:HD12	11	0.15
(1,1602)	1:6:A:PHE:HD1	1:10:A:LEU:HD13	11	0.15
(1,1602)	1:6:A:PHE:HD1	1:10:A:LEU:HD21	11	0.15
(1,1602)	1:6:A:PHE:HD1	1:10:A:LEU:HD22	11	0.15
(1,1602)	1:6:A:PHE:HD1	1:10:A:LEU:HD23	11	0.15
(1,1602)	1:6:A:PHE:HD2	1:10:A:LEU:HD11	11	0.15
(1,1602)	1:6:A:PHE:HD2	1:10:A:LEU:HD12	11	0.15
(1,1602)	1:6:A:PHE:HD2	1:10:A:LEU:HD13	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1602)	1:6:A:PHE:HD2	1:10:A:LEU:HD21	11	0.15
(1,1602)	1:6:A:PHE:HD2	1:10:A:LEU:HD22	11	0.15
(1,1602)	1:6:A:PHE:HD2	1:10:A:LEU:HD23	11	0.15
(1,1587)	1:6:A:PHE:H	1:4:A:ILE:HA	15	0.15
(1,1568)	1:3:A:ASP:HB2	1:4:A:ILE:H	1	0.15
(1,1555)	1:2:A:PHE:HB2	1:4:A:ILE:HD11	11	0.15
(1,1555)	1:2:A:PHE:HB2	1:4:A:ILE:HD12	11	0.15
(1,1555)	1:2:A:PHE:HB2	1:4:A:ILE:HD13	11	0.15
(1,1555)	1:2:A:PHE:HB3	1:4:A:ILE:HD11	11	0.15
(1,1555)	1:2:A:PHE:HB3	1:4:A:ILE:HD12	11	0.15
(1,1555)	1:2:A:PHE:HB3	1:4:A:ILE:HD13	11	0.15
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD21	5	0.15
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD22	5	0.15
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD23	5	0.15
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD11	5	0.15
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD12	5	0.15
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD13	5	0.15
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG21	15	0.15
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG22	15	0.15
(1,1459)	1:69:A:ALA:H	1:72:A:THR:HG23	15	0.15
(1,1431)	1:56:A:LEU:H	1:54:A:LEU:H	6	0.15
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB1	5	0.15
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB2	5	0.15
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB3	5	0.15
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB1	5	0.15
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB2	5	0.15
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB3	5	0.15
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB1	5	0.15
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB2	5	0.15
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB3	5	0.15
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB1	8	0.15
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB2	8	0.15
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB3	8	0.15
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB1	8	0.15
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB2	8	0.15
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB3	8	0.15
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB1	8	0.15
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB2	8	0.15
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB3	8	0.15
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB1	9	0.15
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB2	9	0.15
(1,1410)	1:46:A:VAL:HG21	1:43:A:ALA:HB3	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB1	9	0.15
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB2	9	0.15
(1,1410)	1:46:A:VAL:HG22	1:43:A:ALA:HB3	9	0.15
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB1	9	0.15
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB2	9	0.15
(1,1410)	1:46:A:VAL:HG23	1:43:A:ALA:HB3	9	0.15
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG2	9	0.15
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG3	9	0.15
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB1	6	0.15
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB2	6	0.15
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB3	6	0.15
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB1	7	0.15
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB2	7	0.15
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB3	7	0.15
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG21	12	0.15
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG22	12	0.15
(1,1337)	1:32:A:VAL:H	1:31:A:THR:HG23	12	0.15
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG21	12	0.15
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG22	12	0.15
(1,1289)	1:16:A:GLY:H	1:19:A:VAL:HG23	12	0.15
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB2	8	0.15
(1,1248)	1:6:A:PHE:HD1	1:7:A:SER:HB3	8	0.15
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB2	8	0.15
(1,1248)	1:6:A:PHE:HD2	1:7:A:SER:HB3	8	0.15
(1,1224)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	12	0.15
(1,1224)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	12	0.15
(1,1224)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	12	0.15
(1,1224)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	12	0.15
(1,1224)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	12	0.15
(1,1224)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	12	0.15
(1,1216)	1:48:A:ASN:HD22	1:44:A:THR:HG21	11	0.15
(1,1216)	1:48:A:ASN:HD22	1:44:A:THR:HG22	11	0.15
(1,1216)	1:48:A:ASN:HD22	1:44:A:THR:HG23	11	0.15
(1,1199)	1:20:A:LEU:HD11	1:24:A:ARG:H	2	0.15
(1,1199)	1:20:A:LEU:HD12	1:24:A:ARG:H	2	0.15
(1,1199)	1:20:A:LEU:HD13	1:24:A:ARG:H	2	0.15
(1,1176)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	12	0.15
(1,1176)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	12	0.15
(1,1176)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	12	0.15
(1,1176)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	12	0.15
(1,1176)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	12	0.15
(1,1176)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1168)	1:48:A:ASN:HD22	1:44:A:THR:HG21	11	0.15
(1,1168)	1:48:A:ASN:HD22	1:44:A:THR:HG22	11	0.15
(1,1168)	1:48:A:ASN:HD22	1:44:A:THR:HG23	11	0.15
(1,1151)	1:20:A:LEU:HD11	1:24:A:ARG:H	2	0.15
(1,1151)	1:20:A:LEU:HD12	1:24:A:ARG:H	2	0.15
(1,1151)	1:20:A:LEU:HD13	1:24:A:ARG:H	2	0.15
(1,1128)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	12	0.15
(1,1128)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	12	0.15
(1,1128)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	12	0.15
(1,1128)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	12	0.15
(1,1128)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	12	0.15
(1,1128)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	12	0.15
(1,1120)	1:48:A:ASN:HD22	1:44:A:THR:HG21	11	0.15
(1,1120)	1:48:A:ASN:HD22	1:44:A:THR:HG22	11	0.15
(1,1120)	1:48:A:ASN:HD22	1:44:A:THR:HG23	11	0.15
(1,1103)	1:20:A:LEU:HD11	1:24:A:ARG:H	2	0.15
(1,1103)	1:20:A:LEU:HD12	1:24:A:ARG:H	2	0.15
(1,1103)	1:20:A:LEU:HD13	1:24:A:ARG:H	2	0.15
(1,1080)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	12	0.15
(1,1080)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	12	0.15
(1,1080)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	12	0.15
(1,1080)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	12	0.15
(1,1080)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	12	0.15
(1,1080)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	12	0.15
(1,1072)	1:48:A:ASN:HD22	1:44:A:THR:HG21	11	0.15
(1,1072)	1:48:A:ASN:HD22	1:44:A:THR:HG22	11	0.15
(1,1072)	1:48:A:ASN:HD22	1:44:A:THR:HG23	11	0.15
(1,1055)	1:20:A:LEU:HD11	1:24:A:ARG:H	2	0.15
(1,1055)	1:20:A:LEU:HD12	1:24:A:ARG:H	2	0.15
(1,1055)	1:20:A:LEU:HD13	1:24:A:ARG:H	2	0.15
(1,1032)	1:53:A:GLU:HB2	1:50:A:LEU:HD21	12	0.15
(1,1032)	1:53:A:GLU:HB2	1:50:A:LEU:HD22	12	0.15
(1,1032)	1:53:A:GLU:HB2	1:50:A:LEU:HD23	12	0.15
(1,1032)	1:53:A:GLU:HB3	1:50:A:LEU:HD21	12	0.15
(1,1032)	1:53:A:GLU:HB3	1:50:A:LEU:HD22	12	0.15
(1,1032)	1:53:A:GLU:HB3	1:50:A:LEU:HD23	12	0.15
(1,1024)	1:48:A:ASN:HD22	1:44:A:THR:HG21	11	0.15
(1,1024)	1:48:A:ASN:HD22	1:44:A:THR:HG22	11	0.15
(1,1024)	1:48:A:ASN:HD22	1:44:A:THR:HG23	11	0.15
(1,1007)	1:20:A:LEU:HD11	1:24:A:ARG:H	2	0.15
(1,1007)	1:20:A:LEU:HD12	1:24:A:ARG:H	2	0.15
(1,1007)	1:20:A:LEU:HD13	1:24:A:ARG:H	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,997)	1:65:A:LYS:HA	1:68:A:LYS:HB2	7	0.15
(1,997)	1:65:A:LYS:HA	1:68:A:LYS:HB3	7	0.15
(1,901)	1:90:A:GLU:HA	1:93:A:LYS:HG3	8	0.15
(1,875)	1:98:A:ALA:H	1:95:A:SER:HA	3	0.15
(1,836)	1:97:A:VAL:HA	1:100:A:ASP:H	12	0.15
(1,786)	1:91:A:SER:HA	1:93:A:LYS:H	12	0.15
(1,786)	1:91:A:SER:HA	1:93:A:LYS:H	13	0.15
(1,786)	1:91:A:SER:HA	1:93:A:LYS:H	15	0.15
(1,766)	1:87:A:GLN:HA	1:90:A:GLU:H	9	0.15
(1,766)	1:87:A:GLN:HA	1:90:A:GLU:H	14	0.15
(1,756)	1:86:A:ARG:HG3	1:90:A:GLU:H	1	0.15
(1,756)	1:86:A:ARG:HG3	1:90:A:GLU:H	6	0.15
(1,756)	1:86:A:ARG:HG3	1:90:A:GLU:H	9	0.15
(1,756)	1:86:A:ARG:HG3	1:90:A:GLU:H	10	0.15
(1,756)	1:86:A:ARG:HG3	1:90:A:GLU:H	15	0.15
(1,597)	1:68:A:LYS:HG2	1:69:A:ALA:H	10	0.15
(1,556)	1:64:A:LYS:HA	1:66:A:VAL:H	7	0.15
(1,556)	1:64:A:LYS:HA	1:66:A:VAL:H	15	0.15
(1,448)	1:43:A:ALA:H	1:41:A:SER:HA	5	0.15
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD11	11	0.15
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD12	11	0.15
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD13	11	0.15
(1,401)	1:33:A:ALA:H	1:31:A:THR:H	11	0.15
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD11	13	0.15
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD12	13	0.15
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD13	13	0.15
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD21	13	0.15
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD22	13	0.15
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD23	13	0.15
(1,199)	1:101:A:PRO:HG3	1:102:A:LEU:H	11	0.15
(1,186)	1:93:A:LYS:H	1:90:A:GLU:H	11	0.15
(1,139)	1:69:A:ALA:H	1:66:A:VAL:HB	5	0.15
(1,139)	1:69:A:ALA:H	1:66:A:VAL:HB	6	0.15
(1,139)	1:69:A:ALA:H	1:66:A:VAL:HB	8	0.15
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG21	1	0.15
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG22	1	0.15
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG23	1	0.15
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG21	5	0.15
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG22	5	0.15
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG23	5	0.15
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG21	8	0.15
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG22	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG23	8	0.15
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG21	11	0.15
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG22	11	0.15
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG23	11	0.15
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG21	12	0.15
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG22	12	0.15
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG23	12	0.15
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG21	13	0.15
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG22	13	0.15
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG23	13	0.15
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG21	15	0.15
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG22	15	0.15
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG23	15	0.15
(1,48)	1:25:A:LEU:HA	1:26:A:PRO:HG2	3	0.15
(1,48)	1:25:A:LEU:HA	1:26:A:PRO:HG2	4	0.15
(1,48)	1:25:A:LEU:HA	1:26:A:PRO:HG2	5	0.15
(1,48)	1:25:A:LEU:HA	1:26:A:PRO:HG2	6	0.15
(1,48)	1:25:A:LEU:HA	1:26:A:PRO:HG2	7	0.15
(1,48)	1:25:A:LEU:HA	1:26:A:PRO:HG2	8	0.15
(1,48)	1:25:A:LEU:HA	1:26:A:PRO:HG2	9	0.15
(1,48)	1:25:A:LEU:HA	1:26:A:PRO:HG2	10	0.15
(1,48)	1:25:A:LEU:HA	1:26:A:PRO:HG2	11	0.15
(1,48)	1:25:A:LEU:HA	1:26:A:PRO:HG2	14	0.15
(1,48)	1:25:A:LEU:HA	1:26:A:PRO:HG2	15	0.15
(1,3)	1:2:A:PHE:HZ	1:4:A:ILE:HD11	11	0.15
(1,3)	1:2:A:PHE:HZ	1:4:A:ILE:HD12	11	0.15
(1,3)	1:2:A:PHE:HZ	1:4:A:ILE:HD13	11	0.15
(4,166)	1:92:A:MET:O	1:96:A:TYR:N	3	0.14
(4,166)	1:92:A:MET:O	1:96:A:TYR:N	10	0.14
(4,139)	1:57:A:GLN:O	1:61:A:ASP:N	13	0.14
(4,132)	1:37:A:ARG:O	1:41:A:SER:N	1	0.14
(4,132)	1:37:A:ARG:O	1:41:A:SER:N	5	0.14
(4,132)	1:37:A:ARG:O	1:41:A:SER:N	7	0.14
(4,120)	1:16:A:GLY:O	1:20:A:LEU:N	2	0.14
(4,120)	1:16:A:GLY:O	1:20:A:LEU:N	10	0.14
(4,120)	1:16:A:GLY:O	1:20:A:LEU:N	14	0.14
(4,118)	1:14:A:ILE:O	1:18:A:VAL:N	9	0.14
(4,116)	1:11:A:LEU:O	1:15:A:ILE:N	9	0.14
(4,115)	1:10:A:LEU:O	1:14:A:ILE:N	10	0.14
(4,111)	1:6:A:PHE:O	1:10:A:LEU:N	13	0.14
(4,73)	1:66:A:VAL:O	1:70:A:SER:H	11	0.14
(4,71)	1:65:A:LYS:O	1:69:A:ALA:H	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,71)	1:65:A:LYS:O	1:69:A:ALA:H	7	0.14
(4,67)	1:63:A:LEU:O	1:67:A:GLU:H	6	0.14
(4,65)	1:62:A:SER:O	1:66:A:VAL:H	7	0.14
(4,53)	1:42:A:LEU:O	1:46:A:VAL:H	4	0.14
(4,53)	1:42:A:LEU:O	1:46:A:VAL:H	12	0.14
(4,53)	1:42:A:LEU:O	1:46:A:VAL:H	15	0.14
(4,50)	1:40:A:ARG:O	1:44:A:THR:N	10	0.14
(4,49)	1:40:A:ARG:O	1:44:A:THR:H	5	0.14
(4,29)	1:30:A:LYS:O	1:34:A:GLY:H	1	0.14
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG21	4	0.14
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG22	4	0.14
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG23	4	0.14
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG21	14	0.14
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG22	14	0.14
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG23	14	0.14
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG21	7	0.14
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG22	7	0.14
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG23	7	0.14
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG21	7	0.14
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG22	7	0.14
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG23	7	0.14
(2,608)	1:56:A:LEU:HB3	1:51:A:THR:H	1	0.14
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG2	3	0.14
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG3	3	0.14
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG2	4	0.14
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG3	4	0.14
(2,596)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	7	0.14
(2,596)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	7	0.14
(2,596)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	7	0.14
(2,595)	1:49:A:GLU:HA	1:54:A:LEU:H	7	0.14
(2,594)	1:49:A:GLU:HA	1:53:A:GLU:H	4	0.14
(2,593)	1:49:A:GLU:HA	1:51:A:THR:HG21	11	0.14
(2,593)	1:49:A:GLU:HA	1:51:A:THR:HG22	11	0.14
(2,593)	1:49:A:GLU:HA	1:51:A:THR:HG23	11	0.14
(2,586)	1:45:A:THR:HA	1:50:A:LEU:H	15	0.14
(2,575)	1:21:A:GLY:H	1:24:A:ARG:H	2	0.14
(2,575)	1:21:A:GLY:H	1:24:A:ARG:H	12	0.14
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG21	4	0.14
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG22	4	0.14
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG23	4	0.14
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG21	14	0.14
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG22	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG23	14	0.14
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG21	7	0.14
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG22	7	0.14
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG23	7	0.14
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG21	7	0.14
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG22	7	0.14
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG23	7	0.14
(2,533)	1:56:A:LEU:HB3	1:51:A:THR:H	1	0.14
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG2	3	0.14
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG3	3	0.14
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG2	4	0.14
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG3	4	0.14
(2,521)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	7	0.14
(2,521)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	7	0.14
(2,521)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	7	0.14
(2,520)	1:49:A:GLU:HA	1:54:A:LEU:H	7	0.14
(2,519)	1:49:A:GLU:HA	1:53:A:GLU:H	4	0.14
(2,518)	1:49:A:GLU:HA	1:51:A:THR:HG21	11	0.14
(2,518)	1:49:A:GLU:HA	1:51:A:THR:HG22	11	0.14
(2,518)	1:49:A:GLU:HA	1:51:A:THR:HG23	11	0.14
(2,511)	1:45:A:THR:HA	1:50:A:LEU:H	15	0.14
(2,500)	1:21:A:GLY:H	1:24:A:ARG:H	2	0.14
(2,500)	1:21:A:GLY:H	1:24:A:ARG:H	12	0.14
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG21	4	0.14
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG22	4	0.14
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG23	4	0.14
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG21	14	0.14
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG22	14	0.14
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG23	14	0.14
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG21	7	0.14
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG22	7	0.14
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG23	7	0.14
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG21	7	0.14
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG22	7	0.14
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG23	7	0.14
(2,458)	1:56:A:LEU:HB3	1:51:A:THR:H	1	0.14
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG2	3	0.14
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG3	3	0.14
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG2	4	0.14
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG3	4	0.14
(2,446)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	7	0.14
(2,446)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,446)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	7	0.14
(2,445)	1:49:A:GLU:HA	1:54:A:LEU:H	7	0.14
(2,444)	1:49:A:GLU:HA	1:53:A:GLU:H	4	0.14
(2,443)	1:49:A:GLU:HA	1:51:A:THR:HG21	11	0.14
(2,443)	1:49:A:GLU:HA	1:51:A:THR:HG22	11	0.14
(2,443)	1:49:A:GLU:HA	1:51:A:THR:HG23	11	0.14
(2,436)	1:45:A:THR:HA	1:50:A:LEU:H	15	0.14
(2,425)	1:21:A:GLY:H	1:24:A:ARG:H	2	0.14
(2,425)	1:21:A:GLY:H	1:24:A:ARG:H	12	0.14
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG21	4	0.14
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG22	4	0.14
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG23	4	0.14
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG21	14	0.14
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG22	14	0.14
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG23	14	0.14
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG21	7	0.14
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG22	7	0.14
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG23	7	0.14
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG21	7	0.14
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG22	7	0.14
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG23	7	0.14
(2,383)	1:56:A:LEU:HB3	1:51:A:THR:H	1	0.14
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG2	3	0.14
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG3	3	0.14
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG2	4	0.14
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG3	4	0.14
(2,371)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	7	0.14
(2,371)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	7	0.14
(2,371)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	7	0.14
(2,370)	1:49:A:GLU:HA	1:54:A:LEU:H	7	0.14
(2,369)	1:49:A:GLU:HA	1:53:A:GLU:H	4	0.14
(2,368)	1:49:A:GLU:HA	1:51:A:THR:HG21	11	0.14
(2,368)	1:49:A:GLU:HA	1:51:A:THR:HG22	11	0.14
(2,368)	1:49:A:GLU:HA	1:51:A:THR:HG23	11	0.14
(2,361)	1:45:A:THR:HA	1:50:A:LEU:H	15	0.14
(2,350)	1:21:A:GLY:H	1:24:A:ARG:H	2	0.14
(2,350)	1:21:A:GLY:H	1:24:A:ARG:H	12	0.14
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG21	4	0.14
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG22	4	0.14
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG23	4	0.14
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG21	14	0.14
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG22	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG23	14	0.14
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG21	7	0.14
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG22	7	0.14
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG23	7	0.14
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG21	7	0.14
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG22	7	0.14
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG23	7	0.14
(2,308)	1:56:A:LEU:HB3	1:51:A:THR:H	1	0.14
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG2	3	0.14
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG3	3	0.14
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG2	4	0.14
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG3	4	0.14
(2,296)	1:50:A:LEU:HD21	1:47:A:GLN:HG2	7	0.14
(2,296)	1:50:A:LEU:HD22	1:47:A:GLN:HG2	7	0.14
(2,296)	1:50:A:LEU:HD23	1:47:A:GLN:HG2	7	0.14
(2,295)	1:49:A:GLU:HA	1:54:A:LEU:H	7	0.14
(2,294)	1:49:A:GLU:HA	1:53:A:GLU:H	4	0.14
(2,293)	1:49:A:GLU:HA	1:51:A:THR:HG21	11	0.14
(2,293)	1:49:A:GLU:HA	1:51:A:THR:HG22	11	0.14
(2,293)	1:49:A:GLU:HA	1:51:A:THR:HG23	11	0.14
(2,286)	1:45:A:THR:HA	1:50:A:LEU:H	15	0.14
(2,275)	1:21:A:GLY:H	1:24:A:ARG:H	2	0.14
(2,275)	1:21:A:GLY:H	1:24:A:ARG:H	12	0.14
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD11	7	0.14
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD12	7	0.14
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD13	7	0.14
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD11	8	0.14
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD12	8	0.14
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD13	8	0.14
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD11	10	0.14
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD12	10	0.14
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD13	10	0.14
(2,253)	1:52:A:GLN:HB2	1:56:A:LEU:HD11	4	0.14
(2,253)	1:52:A:GLN:HB2	1:56:A:LEU:HD12	4	0.14
(2,253)	1:52:A:GLN:HB2	1:56:A:LEU:HD13	4	0.14
(2,253)	1:52:A:GLN:HB3	1:56:A:LEU:HD11	4	0.14
(2,253)	1:52:A:GLN:HB3	1:56:A:LEU:HD12	4	0.14
(2,253)	1:52:A:GLN:HB3	1:56:A:LEU:HD13	4	0.14
(2,253)	1:52:A:GLN:HB2	1:56:A:LEU:HD11	5	0.14
(2,253)	1:52:A:GLN:HB2	1:56:A:LEU:HD12	5	0.14
(2,253)	1:52:A:GLN:HB2	1:56:A:LEU:HD13	5	0.14
(2,253)	1:52:A:GLN:HB3	1:56:A:LEU:HD11	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,253)	1:52:A:GLN:HB3	1:56:A:LEU:HD12	5	0.14
(2,253)	1:52:A:GLN:HB3	1:56:A:LEU:HD13	5	0.14
(2,252)	1:71:A:LEU:HB2	1:72:A:THR:HB	1	0.14
(2,252)	1:71:A:LEU:HB2	1:72:A:THR:HB	2	0.14
(2,252)	1:71:A:LEU:HB2	1:72:A:THR:HB	10	0.14
(2,252)	1:71:A:LEU:HB2	1:72:A:THR:HB	12	0.14
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD11	6	0.14
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD12	6	0.14
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD13	6	0.14
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG11	12	0.14
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG12	12	0.14
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG13	12	0.14
(2,118)	1:8:A:GLU:HB3	1:7:A:SER:HB2	5	0.14
(2,116)	1:6:A:PHE:HE1	1:4:A:ILE:HA	15	0.14
(2,116)	1:6:A:PHE:HE2	1:4:A:ILE:HA	15	0.14
(2,108)	1:2:A:PHE:HD1	1:4:A:ILE:HB	8	0.14
(2,108)	1:2:A:PHE:HD2	1:4:A:ILE:HB	8	0.14
(2,104)	1:98:A:ALA:H	1:96:A:TYR:HE1	5	0.14
(2,104)	1:98:A:ALA:H	1:96:A:TYR:HE2	5	0.14
(2,87)	1:73:A:ASN:H	1:70:A:SER:H	3	0.14
(2,87)	1:73:A:ASN:H	1:70:A:SER:H	9	0.14
(2,87)	1:73:A:ASN:H	1:70:A:SER:H	13	0.14
(2,54)	1:44:A:THR:HB	1:47:A:GLN:HG2	15	0.14
(2,54)	1:44:A:THR:HB	1:47:A:GLN:HG3	15	0.14
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG11	1	0.14
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG12	1	0.14
(2,32)	1:31:A:THR:HA	1:32:A:VAL:HG13	1	0.14
(2,26)	1:19:A:VAL:H	1:20:A:LEU:HD21	12	0.14
(2,26)	1:19:A:VAL:H	1:20:A:LEU:HD22	12	0.14
(2,26)	1:19:A:VAL:H	1:20:A:LEU:HD23	12	0.14
(1,2863)	1:78:A:LEU:HB2	1:75:A:THR:HG21	6	0.14
(1,2863)	1:78:A:LEU:HB2	1:75:A:THR:HG22	6	0.14
(1,2863)	1:78:A:LEU:HB2	1:75:A:THR:HG23	6	0.14
(1,2863)	1:78:A:LEU:HB3	1:75:A:THR:HG21	6	0.14
(1,2863)	1:78:A:LEU:HB3	1:75:A:THR:HG22	6	0.14
(1,2863)	1:78:A:LEU:HB3	1:75:A:THR:HG23	6	0.14
(1,2863)	1:78:A:LEU:HB2	1:75:A:THR:HG21	8	0.14
(1,2863)	1:78:A:LEU:HB2	1:75:A:THR:HG22	8	0.14
(1,2863)	1:78:A:LEU:HB2	1:75:A:THR:HG23	8	0.14
(1,2863)	1:78:A:LEU:HB3	1:75:A:THR:HG21	8	0.14
(1,2863)	1:78:A:LEU:HB3	1:75:A:THR:HG22	8	0.14
(1,2863)	1:78:A:LEU:HB3	1:75:A:THR:HG23	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD11	9	0.14
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD12	9	0.14
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD13	9	0.14
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD21	9	0.14
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD22	9	0.14
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD23	9	0.14
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD21	1	0.14
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD22	1	0.14
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD23	1	0.14
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD21	9	0.14
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD22	9	0.14
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD23	9	0.14
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD21	13	0.14
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD22	13	0.14
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD23	13	0.14
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD11	6	0.14
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD12	6	0.14
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD13	6	0.14
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD21	6	0.14
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD22	6	0.14
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD23	6	0.14
(1,2788)	1:48:A:ASN:H	1:50:A:LEU:HD11	12	0.14
(1,2788)	1:48:A:ASN:H	1:50:A:LEU:HD12	12	0.14
(1,2788)	1:48:A:ASN:H	1:50:A:LEU:HD13	12	0.14
(1,2788)	1:48:A:ASN:H	1:50:A:LEU:HD21	12	0.14
(1,2788)	1:48:A:ASN:H	1:50:A:LEU:HD22	12	0.14
(1,2788)	1:48:A:ASN:H	1:50:A:LEU:HD23	12	0.14
(1,2739)	1:78:A:LEU:HB2	1:75:A:THR:HG21	6	0.14
(1,2739)	1:78:A:LEU:HB2	1:75:A:THR:HG22	6	0.14
(1,2739)	1:78:A:LEU:HB2	1:75:A:THR:HG23	6	0.14
(1,2739)	1:78:A:LEU:HB3	1:75:A:THR:HG21	6	0.14
(1,2739)	1:78:A:LEU:HB3	1:75:A:THR:HG22	6	0.14
(1,2739)	1:78:A:LEU:HB3	1:75:A:THR:HG23	6	0.14
(1,2739)	1:78:A:LEU:HB2	1:75:A:THR:HG21	8	0.14
(1,2739)	1:78:A:LEU:HB2	1:75:A:THR:HG22	8	0.14
(1,2739)	1:78:A:LEU:HB2	1:75:A:THR:HG23	8	0.14
(1,2739)	1:78:A:LEU:HB3	1:75:A:THR:HG21	8	0.14
(1,2739)	1:78:A:LEU:HB3	1:75:A:THR:HG22	8	0.14
(1,2739)	1:78:A:LEU:HB3	1:75:A:THR:HG23	8	0.14
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD11	9	0.14
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD12	9	0.14
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD13	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD21	9	0.14
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD22	9	0.14
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD23	9	0.14
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD21	1	0.14
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD22	1	0.14
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD23	1	0.14
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD21	9	0.14
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD22	9	0.14
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD23	9	0.14
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD21	13	0.14
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD22	13	0.14
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD23	13	0.14
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD11	6	0.14
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD12	6	0.14
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD13	6	0.14
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD21	6	0.14
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD22	6	0.14
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD23	6	0.14
(1,2664)	1:48:A:ASN:H	1:50:A:LEU:HD11	12	0.14
(1,2664)	1:48:A:ASN:H	1:50:A:LEU:HD12	12	0.14
(1,2664)	1:48:A:ASN:H	1:50:A:LEU:HD13	12	0.14
(1,2664)	1:48:A:ASN:H	1:50:A:LEU:HD21	12	0.14
(1,2664)	1:48:A:ASN:H	1:50:A:LEU:HD22	12	0.14
(1,2664)	1:48:A:ASN:H	1:50:A:LEU:HD23	12	0.14
(1,2615)	1:78:A:LEU:HB2	1:75:A:THR:HG21	6	0.14
(1,2615)	1:78:A:LEU:HB2	1:75:A:THR:HG22	6	0.14
(1,2615)	1:78:A:LEU:HB2	1:75:A:THR:HG23	6	0.14
(1,2615)	1:78:A:LEU:HB3	1:75:A:THR:HG21	6	0.14
(1,2615)	1:78:A:LEU:HB3	1:75:A:THR:HG22	6	0.14
(1,2615)	1:78:A:LEU:HB3	1:75:A:THR:HG23	6	0.14
(1,2615)	1:78:A:LEU:HB2	1:75:A:THR:HG21	8	0.14
(1,2615)	1:78:A:LEU:HB2	1:75:A:THR:HG22	8	0.14
(1,2615)	1:78:A:LEU:HB2	1:75:A:THR:HG23	8	0.14
(1,2615)	1:78:A:LEU:HB3	1:75:A:THR:HG21	8	0.14
(1,2615)	1:78:A:LEU:HB3	1:75:A:THR:HG22	8	0.14
(1,2615)	1:78:A:LEU:HB3	1:75:A:THR:HG23	8	0.14
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD11	9	0.14
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD12	9	0.14
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD13	9	0.14
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD21	9	0.14
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD22	9	0.14
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD23	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD21	1	0.14
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD22	1	0.14
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD23	1	0.14
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD21	9	0.14
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD22	9	0.14
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD23	9	0.14
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD21	13	0.14
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD22	13	0.14
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD23	13	0.14
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD11	6	0.14
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD12	6	0.14
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD13	6	0.14
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD21	6	0.14
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD22	6	0.14
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD23	6	0.14
(1,2540)	1:48:A:ASN:H	1:50:A:LEU:HD11	12	0.14
(1,2540)	1:48:A:ASN:H	1:50:A:LEU:HD12	12	0.14
(1,2540)	1:48:A:ASN:H	1:50:A:LEU:HD13	12	0.14
(1,2540)	1:48:A:ASN:H	1:50:A:LEU:HD21	12	0.14
(1,2540)	1:48:A:ASN:H	1:50:A:LEU:HD22	12	0.14
(1,2540)	1:48:A:ASN:H	1:50:A:LEU:HD23	12	0.14
(1,2491)	1:78:A:LEU:HB2	1:75:A:THR:HG21	6	0.14
(1,2491)	1:78:A:LEU:HB2	1:75:A:THR:HG22	6	0.14
(1,2491)	1:78:A:LEU:HB2	1:75:A:THR:HG23	6	0.14
(1,2491)	1:78:A:LEU:HB3	1:75:A:THR:HG21	6	0.14
(1,2491)	1:78:A:LEU:HB3	1:75:A:THR:HG22	6	0.14
(1,2491)	1:78:A:LEU:HB3	1:75:A:THR:HG23	6	0.14
(1,2491)	1:78:A:LEU:HB2	1:75:A:THR:HG21	8	0.14
(1,2491)	1:78:A:LEU:HB2	1:75:A:THR:HG22	8	0.14
(1,2491)	1:78:A:LEU:HB2	1:75:A:THR:HG23	8	0.14
(1,2491)	1:78:A:LEU:HB3	1:75:A:THR:HG21	8	0.14
(1,2491)	1:78:A:LEU:HB3	1:75:A:THR:HG22	8	0.14
(1,2491)	1:78:A:LEU:HB3	1:75:A:THR:HG23	8	0.14
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD11	9	0.14
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD12	9	0.14
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD13	9	0.14
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD21	9	0.14
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD22	9	0.14
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD23	9	0.14
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD21	1	0.14
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD22	1	0.14
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD23	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD21	9	0.14
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD22	9	0.14
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD23	9	0.14
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD21	13	0.14
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD22	13	0.14
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD23	13	0.14
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD11	6	0.14
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD12	6	0.14
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD13	6	0.14
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD21	6	0.14
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD22	6	0.14
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD23	6	0.14
(1,2416)	1:48:A:ASN:H	1:50:A:LEU:HD11	12	0.14
(1,2416)	1:48:A:ASN:H	1:50:A:LEU:HD12	12	0.14
(1,2416)	1:48:A:ASN:H	1:50:A:LEU:HD13	12	0.14
(1,2416)	1:48:A:ASN:H	1:50:A:LEU:HD21	12	0.14
(1,2416)	1:48:A:ASN:H	1:50:A:LEU:HD22	12	0.14
(1,2416)	1:48:A:ASN:H	1:50:A:LEU:HD23	12	0.14
(1,2367)	1:78:A:LEU:HB2	1:75:A:THR:HG21	6	0.14
(1,2367)	1:78:A:LEU:HB2	1:75:A:THR:HG22	6	0.14
(1,2367)	1:78:A:LEU:HB2	1:75:A:THR:HG23	6	0.14
(1,2367)	1:78:A:LEU:HB3	1:75:A:THR:HG21	6	0.14
(1,2367)	1:78:A:LEU:HB3	1:75:A:THR:HG22	6	0.14
(1,2367)	1:78:A:LEU:HB3	1:75:A:THR:HG23	6	0.14
(1,2367)	1:78:A:LEU:HB2	1:75:A:THR:HG21	8	0.14
(1,2367)	1:78:A:LEU:HB2	1:75:A:THR:HG22	8	0.14
(1,2367)	1:78:A:LEU:HB2	1:75:A:THR:HG23	8	0.14
(1,2367)	1:78:A:LEU:HB3	1:75:A:THR:HG21	8	0.14
(1,2367)	1:78:A:LEU:HB3	1:75:A:THR:HG22	8	0.14
(1,2367)	1:78:A:LEU:HB3	1:75:A:THR:HG23	8	0.14
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD11	9	0.14
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD12	9	0.14
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD13	9	0.14
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD21	9	0.14
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD22	9	0.14
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD23	9	0.14
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD21	1	0.14
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD22	1	0.14
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD23	1	0.14
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD21	9	0.14
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD22	9	0.14
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD23	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD21	13	0.14
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD22	13	0.14
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD23	13	0.14
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD11	6	0.14
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD12	6	0.14
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD13	6	0.14
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD21	6	0.14
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD22	6	0.14
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD23	6	0.14
(1,2292)	1:48:A:ASN:H	1:50:A:LEU:HD11	12	0.14
(1,2292)	1:48:A:ASN:H	1:50:A:LEU:HD12	12	0.14
(1,2292)	1:48:A:ASN:H	1:50:A:LEU:HD13	12	0.14
(1,2292)	1:48:A:ASN:H	1:50:A:LEU:HD21	12	0.14
(1,2292)	1:48:A:ASN:H	1:50:A:LEU:HD22	12	0.14
(1,2292)	1:48:A:ASN:H	1:50:A:LEU:HD23	12	0.14
(1,2230)	1:101:A:PRO:HG2	1:102:A:LEU:H	3	0.14
(1,2219)	1:99:A:ASN:HB3	1:98:A:ALA:HB1	7	0.14
(1,2219)	1:99:A:ASN:HB3	1:98:A:ALA:HB2	7	0.14
(1,2219)	1:99:A:ASN:HB3	1:98:A:ALA:HB3	7	0.14
(1,2219)	1:99:A:ASN:HB2	1:98:A:ALA:HB1	7	0.14
(1,2219)	1:99:A:ASN:HB2	1:98:A:ALA:HB2	7	0.14
(1,2219)	1:99:A:ASN:HB2	1:98:A:ALA:HB3	7	0.14
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB1	13	0.14
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB2	13	0.14
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB3	13	0.14
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB1	15	0.14
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB2	15	0.14
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB3	15	0.14
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG21	11	0.14
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG22	11	0.14
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG23	11	0.14
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB2	2	0.14
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB3	2	0.14
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB2	5	0.14
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB3	5	0.14
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB2	12	0.14
(1,2183)	1:96:A:TYR:HB2	1:95:A:SER:HB3	12	0.14
(1,2177)	1:94:A:ARG:HA	1:97:A:VAL:HB	8	0.14
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB1	1	0.14
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB2	1	0.14
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB3	1	0.14
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB1	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB2	2	0.14
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB3	2	0.14
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB1	4	0.14
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB2	4	0.14
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB3	4	0.14
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB1	12	0.14
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB2	12	0.14
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB3	12	0.14
(1,2018)	1:76:A:PRO:HA	1:79:A:LYS:H	5	0.14
(1,2018)	1:76:A:PRO:HA	1:79:A:LYS:H	10	0.14
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG21	11	0.14
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG22	11	0.14
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG23	11	0.14
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG21	11	0.14
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG22	11	0.14
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG23	11	0.14
(1,1988)	1:73:A:ASN:HB2	1:72:A:THR:HB	1	0.14
(1,1988)	1:73:A:ASN:HB3	1:72:A:THR:HB	1	0.14
(1,1988)	1:73:A:ASN:HB2	1:72:A:THR:HB	2	0.14
(1,1988)	1:73:A:ASN:HB3	1:72:A:THR:HB	2	0.14
(1,1988)	1:73:A:ASN:HB2	1:72:A:THR:HB	12	0.14
(1,1988)	1:73:A:ASN:HB3	1:72:A:THR:HB	12	0.14
(1,1946)	1:67:A:GLU:H	1:66:A:VAL:HG11	7	0.14
(1,1946)	1:67:A:GLU:H	1:66:A:VAL:HG12	7	0.14
(1,1946)	1:67:A:GLU:H	1:66:A:VAL:HG13	7	0.14
(1,1946)	1:67:A:GLU:H	1:66:A:VAL:HG21	7	0.14
(1,1946)	1:67:A:GLU:H	1:66:A:VAL:HG22	7	0.14
(1,1946)	1:67:A:GLU:H	1:66:A:VAL:HG23	7	0.14
(1,1926)	1:65:A:LYS:H	1:64:A:LYS:H	15	0.14
(1,1894)	1:63:A:LEU:HG	1:59:A:PHE:HD1	1	0.14
(1,1894)	1:63:A:LEU:HG	1:59:A:PHE:HD2	1	0.14
(1,1894)	1:63:A:LEU:HG	1:59:A:PHE:HD1	9	0.14
(1,1894)	1:63:A:LEU:HG	1:59:A:PHE:HD2	9	0.14
(1,1886)	1:61:A:ASP:HB2	1:62:A:SER:H	15	0.14
(1,1886)	1:61:A:ASP:HB3	1:62:A:SER:H	15	0.14
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD11	7	0.14
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD12	7	0.14
(1,1877)	1:60:A:GLN:HA	1:63:A:LEU:HD13	7	0.14
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD11	1	0.14
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD12	1	0.14
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD13	1	0.14
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD21	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD22	1	0.14
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD23	1	0.14
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD11	9	0.14
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD12	9	0.14
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD13	9	0.14
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD21	9	0.14
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD22	9	0.14
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD23	9	0.14
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD11	13	0.14
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD12	13	0.14
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD13	13	0.14
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD21	13	0.14
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD22	13	0.14
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD23	13	0.14
(1,1860)	1:54:A:LEU:HG	1:55:A:LYS:H	11	0.14
(1,1859)	1:54:A:LEU:H	1:53:A:GLU:HB2	15	0.14
(1,1859)	1:54:A:LEU:H	1:53:A:GLU:HB3	15	0.14
(1,1839)	1:51:A:THR:HB	1:48:A:ASN:HA	14	0.14
(1,1820)	1:46:A:VAL:HA	1:45:A:THR:HG21	5	0.14
(1,1820)	1:46:A:VAL:HA	1:45:A:THR:HG22	5	0.14
(1,1820)	1:46:A:VAL:HA	1:45:A:THR:HG23	5	0.14
(1,1811)	1:45:A:THR:H	1:46:A:VAL:H	2	0.14
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB1	11	0.14
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB2	11	0.14
(1,1781)	1:40:A:ARG:HA	1:43:A:ALA:HB3	11	0.14
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD11	3	0.14
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD12	3	0.14
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD13	3	0.14
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD21	3	0.14
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD22	3	0.14
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD23	3	0.14
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD11	7	0.14
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD12	7	0.14
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD13	7	0.14
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD21	7	0.14
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD22	7	0.14
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD23	7	0.14
(1,1738)	1:30:A:LYS:HG2	1:27:A:VAL:HA	7	0.14
(1,1738)	1:30:A:LYS:HG3	1:27:A:VAL:HA	7	0.14
(1,1738)	1:30:A:LYS:HG2	1:27:A:VAL:HA	14	0.14
(1,1738)	1:30:A:LYS:HG3	1:27:A:VAL:HA	14	0.14
(1,1710)	1:24:A:ARG:H	1:23:A:GLN:HB2	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1710)	1:24:A:ARG:H	1:23:A:GLN:HB3	7	0.14
(1,1710)	1:24:A:ARG:H	1:23:A:GLN:HB2	10	0.14
(1,1710)	1:24:A:ARG:H	1:23:A:GLN:HB3	10	0.14
(1,1707)	1:23:A:GLN:H	1:24:A:ARG:H	1	0.14
(1,1707)	1:23:A:GLN:H	1:24:A:ARG:H	3	0.14
(1,1707)	1:23:A:GLN:H	1:24:A:ARG:H	4	0.14
(1,1707)	1:23:A:GLN:H	1:24:A:ARG:H	5	0.14
(1,1707)	1:23:A:GLN:H	1:24:A:ARG:H	7	0.14
(1,1707)	1:23:A:GLN:H	1:24:A:ARG:H	8	0.14
(1,1707)	1:23:A:GLN:H	1:24:A:ARG:H	9	0.14
(1,1707)	1:23:A:GLN:H	1:24:A:ARG:H	10	0.14
(1,1707)	1:23:A:GLN:H	1:24:A:ARG:H	11	0.14
(1,1707)	1:23:A:GLN:H	1:24:A:ARG:H	15	0.14
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG11	7	0.14
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG12	7	0.14
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG13	7	0.14
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG21	7	0.14
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG22	7	0.14
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG23	7	0.14
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG11	9	0.14
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG12	9	0.14
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG13	9	0.14
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG21	9	0.14
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG22	9	0.14
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG23	9	0.14
(1,1691)	1:20:A:LEU:H	1:19:A:VAL:HB	12	0.14
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA2	4	0.14
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA3	4	0.14
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA2	10	0.14
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA3	10	0.14
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA2	14	0.14
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA3	14	0.14
(1,1685)	1:18:A:VAL:H	1:17:A:LEU:HB2	13	0.14
(1,1685)	1:18:A:VAL:H	1:17:A:LEU:HB3	13	0.14
(1,1615)	1:8:A:GLU:H	1:9:A:LEU:H	6	0.14
(1,1599)	1:6:A:PHE:HB3	1:9:A:LEU:HB2	6	0.14
(1,1599)	1:6:A:PHE:HB2	1:9:A:LEU:HB2	6	0.14
(1,1594)	1:6:A:PHE:HD1	1:7:A:SER:H	12	0.14
(1,1594)	1:6:A:PHE:HD2	1:7:A:SER:H	12	0.14
(1,1592)	1:6:A:PHE:H	1:5:A:GLY:H	12	0.14
(1,1586)	1:5:A:GLY:H	1:4:A:ILE:HG21	15	0.14
(1,1586)	1:5:A:GLY:H	1:4:A:ILE:HG22	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1586)	1:5:A:GLY:H	1:4:A:ILE:HG23	15	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD21	1	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD22	1	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD23	1	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD11	1	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD12	1	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD13	1	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD21	2	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD22	2	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD23	2	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD11	2	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD12	2	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD13	2	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD21	7	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD22	7	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD23	7	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD11	7	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD12	7	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD13	7	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD21	12	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD22	12	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD23	12	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD11	12	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD12	12	0.14
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD13	12	0.14
(1,1432)	1:56:A:LEU:HB2	1:60:A:GLN:HB2	10	0.14
(1,1431)	1:56:A:LEU:H	1:54:A:LEU:H	15	0.14
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB1	14	0.14
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB2	14	0.14
(1,1416)	1:47:A:GLN:HE22	1:43:A:ALA:HB3	14	0.14
(1,1408)	1:46:A:VAL:HA	1:49:A:GLU:H	6	0.14
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG2	8	0.14
(1,1400)	1:44:A:THR:HA	1:47:A:GLN:HG3	8	0.14
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB1	2	0.14
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB2	2	0.14
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB3	2	0.14
(1,1397)	1:44:A:THR:HG21	1:43:A:ALA:HB1	10	0.14
(1,1397)	1:44:A:THR:HG21	1:43:A:ALA:HB2	10	0.14
(1,1397)	1:44:A:THR:HG21	1:43:A:ALA:HB3	10	0.14
(1,1397)	1:44:A:THR:HG22	1:43:A:ALA:HB1	10	0.14
(1,1397)	1:44:A:THR:HG22	1:43:A:ALA:HB2	10	0.14
(1,1397)	1:44:A:THR:HG22	1:43:A:ALA:HB3	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:44:A:THR:HG23	1:43:A:ALA:HB1	10	0.14
(1,1397)	1:44:A:THR:HG23	1:43:A:ALA:HB2	10	0.14
(1,1397)	1:44:A:THR:HG23	1:43:A:ALA:HB3	10	0.14
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG21	5	0.14
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG22	5	0.14
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG23	5	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA2	1	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA3	1	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA2	1	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA3	1	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA2	2	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA3	2	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA2	2	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA3	2	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA2	3	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA3	3	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA2	3	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA3	3	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA2	4	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA3	4	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA2	4	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA3	4	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA2	5	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA3	5	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA2	5	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA3	5	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA2	6	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA3	6	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA2	6	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA3	6	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA2	7	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA3	7	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA2	7	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA3	7	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA2	8	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA3	8	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA2	8	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA3	8	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA2	9	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA3	9	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA2	9	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA3	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA2	10	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA3	10	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA2	10	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA3	10	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA2	11	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA3	11	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA2	11	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA3	11	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA2	12	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA3	12	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA2	12	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA3	12	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA2	13	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA3	13	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA2	13	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA3	13	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA2	14	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA3	14	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA2	14	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA3	14	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA2	15	0.14
(1,1314)	1:22:A:PRO:HG2	1:21:A:GLY:HA3	15	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA2	15	0.14
(1,1314)	1:22:A:PRO:HG3	1:21:A:GLY:HA3	15	0.14
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD11	15	0.14
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD12	15	0.14
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD13	15	0.14
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG21	12	0.14
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG22	12	0.14
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG23	12	0.14
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD11	15	0.14
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD12	15	0.14
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD13	15	0.14
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG21	12	0.14
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG22	12	0.14
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG23	12	0.14
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD11	15	0.14
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD12	15	0.14
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD13	15	0.14
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG21	12	0.14
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG22	12	0.14
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG23	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD11	15	0.14
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD12	15	0.14
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD13	15	0.14
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG21	12	0.14
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG22	12	0.14
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG23	12	0.14
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD11	15	0.14
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD12	15	0.14
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD13	15	0.14
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG21	12	0.14
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG22	12	0.14
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG23	12	0.14
(1,970)	1:85:A:LEU:HD11	1:82:A:MET:HE1	7	0.14
(1,970)	1:85:A:LEU:HD11	1:82:A:MET:HE2	7	0.14
(1,970)	1:85:A:LEU:HD11	1:82:A:MET:HE3	7	0.14
(1,970)	1:85:A:LEU:HD12	1:82:A:MET:HE1	7	0.14
(1,970)	1:85:A:LEU:HD12	1:82:A:MET:HE2	7	0.14
(1,970)	1:85:A:LEU:HD12	1:82:A:MET:HE3	7	0.14
(1,970)	1:85:A:LEU:HD13	1:82:A:MET:HE1	7	0.14
(1,970)	1:85:A:LEU:HD13	1:82:A:MET:HE2	7	0.14
(1,970)	1:85:A:LEU:HD13	1:82:A:MET:HE3	7	0.14
(1,970)	1:85:A:LEU:HD21	1:82:A:MET:HE1	7	0.14
(1,970)	1:85:A:LEU:HD21	1:82:A:MET:HE2	7	0.14
(1,970)	1:85:A:LEU:HD21	1:82:A:MET:HE3	7	0.14
(1,970)	1:85:A:LEU:HD22	1:82:A:MET:HE1	7	0.14
(1,970)	1:85:A:LEU:HD22	1:82:A:MET:HE2	7	0.14
(1,970)	1:85:A:LEU:HD22	1:82:A:MET:HE3	7	0.14
(1,970)	1:85:A:LEU:HD23	1:82:A:MET:HE1	7	0.14
(1,970)	1:85:A:LEU:HD23	1:82:A:MET:HE2	7	0.14
(1,970)	1:85:A:LEU:HD23	1:82:A:MET:HE3	7	0.14
(1,913)	1:48:A:ASN:HB3	1:49:A:GLU:H	2	0.14
(1,766)	1:87:A:GLN:HA	1:90:A:GLU:H	2	0.14
(1,766)	1:87:A:GLN:HA	1:90:A:GLU:H	4	0.14
(1,756)	1:86:A:ARG:HG3	1:90:A:GLU:H	3	0.14
(1,654)	1:76:A:PRO:HA	1:79:A:LYS:HB3	6	0.14
(1,556)	1:64:A:LYS:HA	1:66:A:VAL:H	5	0.14
(1,493)	1:51:A:THR:HB	1:52:A:GLN:HG2	8	0.14
(1,493)	1:51:A:THR:HB	1:52:A:GLN:HG3	8	0.14
(1,455)	1:43:A:ALA:HA	1:46:A:VAL:HB	12	0.14
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD11	1	0.14
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD12	1	0.14
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD13	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD11	2	0.14
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD12	2	0.14
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD13	2	0.14
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD11	7	0.14
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD12	7	0.14
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD13	7	0.14
(1,401)	1:33:A:ALA:H	1:31:A:THR:H	8	0.14
(1,401)	1:33:A:ALA:H	1:31:A:THR:H	13	0.14
(1,401)	1:33:A:ALA:H	1:31:A:THR:H	15	0.14
(1,360)	1:24:A:ARG:H	1:22:A:PRO:HB2	2	0.14
(1,360)	1:24:A:ARG:H	1:22:A:PRO:HB3	2	0.14
(1,273)	1:8:A:GLU:H	1:10:A:LEU:H	15	0.14
(1,196)	1:98:A:ALA:HA	1:97:A:VAL:HG11	10	0.14
(1,196)	1:98:A:ALA:HA	1:97:A:VAL:HG12	10	0.14
(1,196)	1:98:A:ALA:HA	1:97:A:VAL:HG13	10	0.14
(1,179)	1:90:A:GLU:H	1:86:A:ARG:H	2	0.14
(1,179)	1:90:A:GLU:H	1:86:A:ARG:H	4	0.14
(1,179)	1:90:A:GLU:H	1:86:A:ARG:H	11	0.14
(1,179)	1:90:A:GLU:H	1:86:A:ARG:H	13	0.14
(1,169)	1:85:A:LEU:H	1:86:A:ARG:HA	1	0.14
(1,169)	1:85:A:LEU:H	1:86:A:ARG:HA	2	0.14
(1,169)	1:85:A:LEU:H	1:86:A:ARG:HA	4	0.14
(1,169)	1:85:A:LEU:H	1:86:A:ARG:HA	6	0.14
(1,169)	1:85:A:LEU:H	1:86:A:ARG:HA	9	0.14
(1,169)	1:85:A:LEU:H	1:86:A:ARG:HA	13	0.14
(1,169)	1:85:A:LEU:H	1:86:A:ARG:HA	15	0.14
(1,109)	1:44:A:THR:HG21	1:47:A:GLN:HG2	10	0.14
(1,109)	1:44:A:THR:HG21	1:47:A:GLN:HG3	10	0.14
(1,109)	1:44:A:THR:HG22	1:47:A:GLN:HG2	10	0.14
(1,109)	1:44:A:THR:HG22	1:47:A:GLN:HG3	10	0.14
(1,109)	1:44:A:THR:HG23	1:47:A:GLN:HG2	10	0.14
(1,109)	1:44:A:THR:HG23	1:47:A:GLN:HG3	10	0.14
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG21	4	0.14
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG22	4	0.14
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG23	4	0.14
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG21	14	0.14
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG22	14	0.14
(1,81)	1:35:A:TRP:H	1:36:A:ILE:HG23	14	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG11	1	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG12	1	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG13	1	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG11	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG12	2	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG13	2	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG11	3	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG12	3	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG13	3	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG11	6	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG12	6	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG13	6	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG11	7	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG12	7	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG13	7	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG11	9	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG12	9	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG13	9	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG11	10	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG12	10	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG13	10	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG11	11	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG12	11	0.14
(1,77)	1:35:A:TRP:H	1:32:A:VAL:HG13	11	0.14
(1,48)	1:25:A:LEU:HA	1:26:A:PRO:HG2	2	0.14
(1,48)	1:25:A:LEU:HA	1:26:A:PRO:HG2	12	0.14
(1,48)	1:25:A:LEU:HA	1:26:A:PRO:HG2	13	0.14
(4,166)	1:92:A:MET:O	1:96:A:TYR:N	11	0.13
(4,134)	1:39:A:LEU:O	1:43:A:ALA:N	8	0.13
(4,134)	1:39:A:LEU:O	1:43:A:ALA:N	9	0.13
(4,132)	1:37:A:ARG:O	1:41:A:SER:N	9	0.13
(4,132)	1:37:A:ARG:O	1:41:A:SER:N	14	0.13
(4,127)	1:32:A:VAL:O	1:36:A:ILE:N	1	0.13
(4,127)	1:32:A:VAL:O	1:36:A:ILE:N	6	0.13
(4,123)	1:28:A:ALA:O	1:32:A:VAL:N	4	0.13
(4,123)	1:28:A:ALA:O	1:32:A:VAL:N	11	0.13
(4,123)	1:28:A:ALA:O	1:32:A:VAL:N	15	0.13
(4,120)	1:16:A:GLY:O	1:20:A:LEU:N	4	0.13
(4,115)	1:10:A:LEU:O	1:14:A:ILE:N	2	0.13
(4,114)	1:9:A:LEU:O	1:13:A:PHE:N	2	0.13
(4,107)	1:91:A:SER:O	1:95:A:SER:H	11	0.13
(4,105)	1:90:A:GLU:O	1:94:A:ARG:H	9	0.13
(4,93)	1:84:A:GLU:O	1:88:A:ALA:H	7	0.13
(4,77)	1:68:A:LYS:O	1:72:A:THR:H	10	0.13
(4,75)	1:67:A:GLU:O	1:71:A:LEU:H	7	0.13
(4,73)	1:66:A:VAL:O	1:70:A:SER:H	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,73)	1:66:A:VAL:O	1:70:A:SER:H	14	0.13
(4,71)	1:65:A:LYS:O	1:69:A:ALA:H	10	0.13
(4,71)	1:65:A:LYS:O	1:69:A:ALA:H	13	0.13
(4,69)	1:64:A:LYS:O	1:68:A:LYS:H	7	0.13
(4,61)	1:60:A:GLN:O	1:64:A:LYS:H	12	0.13
(4,61)	1:60:A:GLN:O	1:64:A:LYS:H	13	0.13
(4,57)	1:58:A:GLU:O	1:62:A:SER:H	12	0.13
(4,50)	1:40:A:ARG:O	1:44:A:THR:N	11	0.13
(4,49)	1:40:A:ARG:O	1:44:A:THR:H	8	0.13
(4,45)	1:38:A:ALA:O	1:42:A:LEU:H	11	0.13
(4,41)	1:36:A:ILE:O	1:40:A:ARG:H	3	0.13
(4,29)	1:30:A:LYS:O	1:34:A:GLY:H	4	0.13
(4,29)	1:30:A:LYS:O	1:34:A:GLY:H	5	0.13
(4,29)	1:30:A:LYS:O	1:34:A:GLY:H	8	0.13
(4,29)	1:30:A:LYS:O	1:34:A:GLY:H	14	0.13
(4,29)	1:30:A:LYS:O	1:34:A:GLY:H	15	0.13
(4,23)	1:27:A:VAL:O	1:31:A:THR:H	1	0.13
(4,17)	1:15:A:ILE:O	1:19:A:VAL:H	13	0.13
(4,3)	1:7:A:SER:O	1:11:A:LEU:H	15	0.13
(3,138)	1:57:A:GLN:O	1:61:A:ASP:H	7	0.13
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	10	0.13
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	10	0.13
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	10	0.13
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	10	0.13
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	10	0.13
(2,619)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	10	0.13
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	10	0.13
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	10	0.13
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	10	0.13
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	10	0.13
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	10	0.13
(2,619)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	10	0.13
(2,616)	1:57:A:GLN:HE21	1:55:A:LYS:HA	1	0.13
(2,616)	1:57:A:GLN:HE21	1:55:A:LYS:HA	8	0.13
(2,616)	1:57:A:GLN:HE21	1:55:A:LYS:HA	9	0.13
(2,616)	1:57:A:GLN:HE21	1:55:A:LYS:HA	13	0.13
(2,615)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	15	0.13
(2,615)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	15	0.13
(2,615)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	15	0.13
(2,615)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	15	0.13
(2,615)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	15	0.13
(2,615)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,613)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	11	0.13
(2,613)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	11	0.13
(2,613)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	11	0.13
(2,613)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	11	0.13
(2,613)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	11	0.13
(2,613)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	11	0.13
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	7	0.13
(2,611)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	7	0.13
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	7	0.13
(2,611)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	7	0.13
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG2	10	0.13
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG3	10	0.13
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD21	4	0.13
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD22	4	0.13
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD23	4	0.13
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD21	5	0.13
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD22	5	0.13
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD23	5	0.13
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD21	6	0.13
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD22	6	0.13
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD23	6	0.13
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD21	7	0.13
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD22	7	0.13
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD23	7	0.13
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD21	10	0.13
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD22	10	0.13
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD23	10	0.13
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD21	14	0.13
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD22	14	0.13
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD23	14	0.13
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	10	0.13
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	10	0.13
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	10	0.13
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	10	0.13
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	10	0.13
(2,544)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	10	0.13
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	10	0.13
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	10	0.13
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	10	0.13
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	10	0.13
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	10	0.13
(2,544)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,541)	1:57:A:GLN:HE21	1:55:A:LYS:HA	1	0.13
(2,541)	1:57:A:GLN:HE21	1:55:A:LYS:HA	8	0.13
(2,541)	1:57:A:GLN:HE21	1:55:A:LYS:HA	9	0.13
(2,541)	1:57:A:GLN:HE21	1:55:A:LYS:HA	13	0.13
(2,540)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	15	0.13
(2,540)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	15	0.13
(2,540)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	15	0.13
(2,540)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	15	0.13
(2,540)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	15	0.13
(2,540)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	15	0.13
(2,538)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	11	0.13
(2,538)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	11	0.13
(2,538)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	11	0.13
(2,538)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	11	0.13
(2,538)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	11	0.13
(2,538)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	11	0.13
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	7	0.13
(2,536)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	7	0.13
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	7	0.13
(2,536)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	7	0.13
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG2	10	0.13
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG3	10	0.13
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD21	4	0.13
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD22	4	0.13
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD23	4	0.13
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD21	5	0.13
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD22	5	0.13
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD23	5	0.13
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD21	6	0.13
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD22	6	0.13
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD23	6	0.13
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD21	7	0.13
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD22	7	0.13
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD23	7	0.13
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD21	10	0.13
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD22	10	0.13
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD23	10	0.13
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD21	14	0.13
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD22	14	0.13
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD23	14	0.13
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	10	0.13
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	10	0.13
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	10	0.13
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	10	0.13
(2,469)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	10	0.13
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	10	0.13
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	10	0.13
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	10	0.13
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	10	0.13
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	10	0.13
(2,469)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	10	0.13
(2,466)	1:57:A:GLN:HE21	1:55:A:LYS:HA	1	0.13
(2,466)	1:57:A:GLN:HE21	1:55:A:LYS:HA	8	0.13
(2,466)	1:57:A:GLN:HE21	1:55:A:LYS:HA	9	0.13
(2,466)	1:57:A:GLN:HE21	1:55:A:LYS:HA	13	0.13
(2,465)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	15	0.13
(2,465)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	15	0.13
(2,465)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	15	0.13
(2,465)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	15	0.13
(2,465)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	15	0.13
(2,465)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	15	0.13
(2,463)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	11	0.13
(2,463)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	11	0.13
(2,463)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	11	0.13
(2,463)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	11	0.13
(2,463)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	11	0.13
(2,463)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	11	0.13
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	7	0.13
(2,461)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	7	0.13
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	7	0.13
(2,461)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	7	0.13
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG2	10	0.13
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG3	10	0.13
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD21	4	0.13
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD22	4	0.13
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD23	4	0.13
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD21	5	0.13
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD22	5	0.13
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD23	5	0.13
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD21	6	0.13
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD22	6	0.13
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD23	6	0.13
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD21	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD22	7	0.13
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD23	7	0.13
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD21	10	0.13
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD22	10	0.13
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD23	10	0.13
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD21	14	0.13
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD22	14	0.13
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD23	14	0.13
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	10	0.13
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	10	0.13
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	10	0.13
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	10	0.13
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	10	0.13
(2,394)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	10	0.13
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	10	0.13
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	10	0.13
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	10	0.13
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	10	0.13
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	10	0.13
(2,394)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	10	0.13
(2,391)	1:57:A:GLN:HE21	1:55:A:LYS:HA	1	0.13
(2,391)	1:57:A:GLN:HE21	1:55:A:LYS:HA	8	0.13
(2,391)	1:57:A:GLN:HE21	1:55:A:LYS:HA	9	0.13
(2,391)	1:57:A:GLN:HE21	1:55:A:LYS:HA	13	0.13
(2,390)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	15	0.13
(2,390)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	15	0.13
(2,390)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	15	0.13
(2,390)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	15	0.13
(2,390)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	15	0.13
(2,390)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	15	0.13
(2,388)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	11	0.13
(2,388)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	11	0.13
(2,388)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	11	0.13
(2,388)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	11	0.13
(2,388)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	11	0.13
(2,388)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	11	0.13
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	7	0.13
(2,386)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	7	0.13
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	7	0.13
(2,386)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	7	0.13
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG2	10	0.13
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG3	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD21	4	0.13
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD22	4	0.13
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD23	4	0.13
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD21	5	0.13
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD22	5	0.13
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD23	5	0.13
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD21	6	0.13
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD22	6	0.13
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD23	6	0.13
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD21	7	0.13
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD22	7	0.13
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD23	7	0.13
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD21	10	0.13
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD22	10	0.13
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD23	10	0.13
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD21	14	0.13
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD22	14	0.13
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD23	14	0.13
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD11	10	0.13
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD12	10	0.13
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD13	10	0.13
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD21	10	0.13
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD22	10	0.13
(2,319)	1:59:A:PHE:HD1	1:54:A:LEU:HD23	10	0.13
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD11	10	0.13
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD12	10	0.13
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD13	10	0.13
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD21	10	0.13
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD22	10	0.13
(2,319)	1:59:A:PHE:HD2	1:54:A:LEU:HD23	10	0.13
(2,316)	1:57:A:GLN:HE21	1:55:A:LYS:HA	1	0.13
(2,316)	1:57:A:GLN:HE21	1:55:A:LYS:HA	8	0.13
(2,316)	1:57:A:GLN:HE21	1:55:A:LYS:HA	9	0.13
(2,316)	1:57:A:GLN:HE21	1:55:A:LYS:HA	13	0.13
(2,315)	1:57:A:GLN:HE22	1:54:A:LEU:HD11	15	0.13
(2,315)	1:57:A:GLN:HE22	1:54:A:LEU:HD12	15	0.13
(2,315)	1:57:A:GLN:HE22	1:54:A:LEU:HD13	15	0.13
(2,315)	1:57:A:GLN:HE22	1:54:A:LEU:HD21	15	0.13
(2,315)	1:57:A:GLN:HE22	1:54:A:LEU:HD22	15	0.13
(2,315)	1:57:A:GLN:HE22	1:54:A:LEU:HD23	15	0.13
(2,313)	1:57:A:GLN:HE21	1:54:A:LEU:HD11	11	0.13
(2,313)	1:57:A:GLN:HE21	1:54:A:LEU:HD12	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,313)	1:57:A:GLN:HE21	1:54:A:LEU:HD13	11	0.13
(2,313)	1:57:A:GLN:HE21	1:54:A:LEU:HD21	11	0.13
(2,313)	1:57:A:GLN:HE21	1:54:A:LEU:HD22	11	0.13
(2,313)	1:57:A:GLN:HE21	1:54:A:LEU:HD23	11	0.13
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD1	7	0.13
(2,311)	1:56:A:LEU:HB2	1:59:A:PHE:HD2	7	0.13
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD1	7	0.13
(2,311)	1:56:A:LEU:HB3	1:59:A:PHE:HD2	7	0.13
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG2	10	0.13
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG3	10	0.13
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD21	4	0.13
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD22	4	0.13
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD23	4	0.13
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD21	5	0.13
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD22	5	0.13
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD23	5	0.13
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD21	6	0.13
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD22	6	0.13
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD23	6	0.13
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD21	7	0.13
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD22	7	0.13
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD23	7	0.13
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD21	10	0.13
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD22	10	0.13
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD23	10	0.13
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD21	14	0.13
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD22	14	0.13
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD23	14	0.13
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD11	4	0.13
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD12	4	0.13
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD13	4	0.13
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD11	5	0.13
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD12	5	0.13
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD13	5	0.13
(2,256)	1:63:A:LEU:HG	1:60:A:GLN:HB2	7	0.13
(2,256)	1:63:A:LEU:HG	1:60:A:GLN:HB3	7	0.13
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD11	7	0.13
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD12	7	0.13
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD13	7	0.13
(2,222)	1:96:A:TYR:H	1:100:A:ASP:H	11	0.13
(2,206)	1:84:A:GLU:H	1:82:A:MET:HE1	6	0.13
(2,206)	1:84:A:GLU:H	1:82:A:MET:HE2	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,206)	1:84:A:GLU:H	1:82:A:MET:HE3	6	0.13
(2,177)	1:71:A:LEU:H	1:67:A:GLU:HB2	4	0.13
(2,177)	1:71:A:LEU:H	1:67:A:GLU:HB2	13	0.13
(2,177)	1:71:A:LEU:H	1:67:A:GLU:HB2	14	0.13
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG11	11	0.13
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG12	11	0.13
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG13	11	0.13
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG11	14	0.13
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG12	14	0.13
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG13	14	0.13
(2,126)	1:13:A:PHE:HZ	1:17:A:LEU:HB2	6	0.13
(2,126)	1:13:A:PHE:HZ	1:17:A:LEU:HB3	6	0.13
(2,118)	1:8:A:GLU:HB3	1:7:A:SER:HB2	1	0.13
(2,118)	1:8:A:GLU:HB3	1:7:A:SER:HB2	2	0.13
(2,118)	1:8:A:GLU:HB3	1:7:A:SER:HB2	4	0.13
(2,118)	1:8:A:GLU:HB3	1:7:A:SER:HB2	9	0.13
(2,118)	1:8:A:GLU:HB3	1:7:A:SER:HB2	10	0.13
(2,118)	1:8:A:GLU:HB3	1:7:A:SER:HB2	14	0.13
(2,116)	1:6:A:PHE:HE1	1:4:A:ILE:HA	6	0.13
(2,116)	1:6:A:PHE:HE2	1:4:A:ILE:HA	6	0.13
(2,108)	1:2:A:PHE:HD1	1:4:A:ILE:HB	1	0.13
(2,108)	1:2:A:PHE:HD2	1:4:A:ILE:HB	1	0.13
(2,108)	1:2:A:PHE:HD1	1:4:A:ILE:HB	3	0.13
(2,108)	1:2:A:PHE:HD2	1:4:A:ILE:HB	3	0.13
(2,108)	1:2:A:PHE:HD1	1:4:A:ILE:HB	9	0.13
(2,108)	1:2:A:PHE:HD2	1:4:A:ILE:HB	9	0.13
(2,108)	1:2:A:PHE:HD1	1:4:A:ILE:HB	14	0.13
(2,108)	1:2:A:PHE:HD2	1:4:A:ILE:HB	14	0.13
(2,100)	1:93:A:LYS:HB2	1:96:A:TYR:HE1	8	0.13
(2,100)	1:93:A:LYS:HB2	1:96:A:TYR:HE2	8	0.13
(2,21)	1:17:A:LEU:H	1:20:A:LEU:HD21	11	0.13
(2,21)	1:17:A:LEU:H	1:20:A:LEU:HD22	11	0.13
(2,21)	1:17:A:LEU:H	1:20:A:LEU:HD23	11	0.13
(2,9)	1:11:A:LEU:HB2	1:15:A:ILE:HG21	5	0.13
(2,9)	1:11:A:LEU:HB2	1:15:A:ILE:HG22	5	0.13
(2,9)	1:11:A:LEU:HB2	1:15:A:ILE:HG23	5	0.13
(2,9)	1:11:A:LEU:HB3	1:15:A:ILE:HG21	5	0.13
(2,9)	1:11:A:LEU:HB3	1:15:A:ILE:HG22	5	0.13
(2,9)	1:11:A:LEU:HB3	1:15:A:ILE:HG23	5	0.13
(2,9)	1:11:A:LEU:HB2	1:15:A:ILE:HG21	6	0.13
(2,9)	1:11:A:LEU:HB2	1:15:A:ILE:HG22	6	0.13
(2,9)	1:11:A:LEU:HB2	1:15:A:ILE:HG23	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,9)	1:11:A:LEU:HB3	1:15:A:ILE:HG21	6	0.13
(2,9)	1:11:A:LEU:HB3	1:15:A:ILE:HG22	6	0.13
(2,9)	1:11:A:LEU:HB3	1:15:A:ILE:HG23	6	0.13
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD11	3	0.13
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD12	3	0.13
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD13	3	0.13
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD21	3	0.13
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD22	3	0.13
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD23	3	0.13
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD11	4	0.13
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD12	4	0.13
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD13	4	0.13
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD21	4	0.13
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD22	4	0.13
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD23	4	0.13
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD11	14	0.13
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD12	14	0.13
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD13	14	0.13
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD21	14	0.13
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD22	14	0.13
(1,2851)	1:72:A:THR:HB	1:74:A:LEU:HD23	14	0.13
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	12	0.13
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	12	0.13
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	12	0.13
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	12	0.13
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	12	0.13
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	12	0.13
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	12	0.13
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	12	0.13
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	12	0.13
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	12	0.13
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	12	0.13
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	12	0.13
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG21	12	0.13
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG22	12	0.13
(1,2795)	1:49:A:GLU:HA	1:51:A:THR:HG23	12	0.13
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG21	6	0.13
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG22	6	0.13
(1,2791)	1:48:A:ASN:HD21	1:51:A:THR:HG23	6	0.13
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	6	0.13
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	6	0.13
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	6	0.13
(1,2776)	1:45:A:THR:HA	1:48:A:ASN:HD22	15	0.13
(1,2776)	1:45:A:THR:HA	1:48:A:ASN:HD21	15	0.13
(1,2765)	1:23:A:GLN:H	1:24:A:ARG:HG3	12	0.13
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD11	3	0.13
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD12	3	0.13
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD13	3	0.13
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD21	3	0.13
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD22	3	0.13
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD23	3	0.13
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD11	4	0.13
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD12	4	0.13
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD13	4	0.13
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD21	4	0.13
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD22	4	0.13
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD23	4	0.13
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD11	14	0.13
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD12	14	0.13
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD13	14	0.13
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD21	14	0.13
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD22	14	0.13
(1,2727)	1:72:A:THR:HB	1:74:A:LEU:HD23	14	0.13
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	12	0.13
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	12	0.13
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	12	0.13
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	12	0.13
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	12	0.13
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	12	0.13
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	12	0.13
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	12	0.13
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	12	0.13
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	12	0.13
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	12	0.13
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	12	0.13
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG21	12	0.13
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG22	12	0.13
(1,2671)	1:49:A:GLU:HA	1:51:A:THR:HG23	12	0.13
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG21	6	0.13
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG22	6	0.13
(1,2667)	1:48:A:ASN:HD21	1:51:A:THR:HG23	6	0.13
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	6	0.13
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	6	0.13
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	6	0.13
(1,2652)	1:45:A:THR:HA	1:48:A:ASN:HD22	15	0.13
(1,2652)	1:45:A:THR:HA	1:48:A:ASN:HD21	15	0.13
(1,2641)	1:23:A:GLN:H	1:24:A:ARG:HG3	12	0.13
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD11	3	0.13
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD12	3	0.13
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD13	3	0.13
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD21	3	0.13
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD22	3	0.13
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD23	3	0.13
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD11	4	0.13
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD12	4	0.13
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD13	4	0.13
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD21	4	0.13
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD22	4	0.13
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD23	4	0.13
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD11	14	0.13
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD12	14	0.13
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD13	14	0.13
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD21	14	0.13
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD22	14	0.13
(1,2603)	1:72:A:THR:HB	1:74:A:LEU:HD23	14	0.13
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	12	0.13
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	12	0.13
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	12	0.13
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	12	0.13
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	12	0.13
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	12	0.13
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	12	0.13
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	12	0.13
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	12	0.13
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	12	0.13
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	12	0.13
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	12	0.13
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG21	12	0.13
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG22	12	0.13
(1,2547)	1:49:A:GLU:HA	1:51:A:THR:HG23	12	0.13
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG21	6	0.13
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG22	6	0.13
(1,2543)	1:48:A:ASN:HD21	1:51:A:THR:HG23	6	0.13
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	6	0.13
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	6	0.13
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	6	0.13
(1,2528)	1:45:A:THR:HA	1:48:A:ASN:HD22	15	0.13
(1,2528)	1:45:A:THR:HA	1:48:A:ASN:HD21	15	0.13
(1,2517)	1:23:A:GLN:H	1:24:A:ARG:HG3	12	0.13
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD11	3	0.13
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD12	3	0.13
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD13	3	0.13
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD21	3	0.13
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD22	3	0.13
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD23	3	0.13
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD11	4	0.13
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD12	4	0.13
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD13	4	0.13
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD21	4	0.13
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD22	4	0.13
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD23	4	0.13
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD11	14	0.13
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD12	14	0.13
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD13	14	0.13
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD21	14	0.13
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD22	14	0.13
(1,2479)	1:72:A:THR:HB	1:74:A:LEU:HD23	14	0.13
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	12	0.13
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	12	0.13
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	12	0.13
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	12	0.13
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	12	0.13
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	12	0.13
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	12	0.13
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	12	0.13
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	12	0.13
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	12	0.13
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	12	0.13
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	12	0.13
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG21	12	0.13
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG22	12	0.13
(1,2423)	1:49:A:GLU:HA	1:51:A:THR:HG23	12	0.13
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG21	6	0.13
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG22	6	0.13
(1,2419)	1:48:A:ASN:HD21	1:51:A:THR:HG23	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	6	0.13
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	6	0.13
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	6	0.13
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	6	0.13
(1,2404)	1:45:A:THR:HA	1:48:A:ASN:HD22	15	0.13
(1,2404)	1:45:A:THR:HA	1:48:A:ASN:HD21	15	0.13
(1,2393)	1:23:A:GLN:H	1:24:A:ARG:HG3	12	0.13
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD11	3	0.13
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD12	3	0.13
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD13	3	0.13
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD21	3	0.13
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD22	3	0.13
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD23	3	0.13
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD11	4	0.13
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD12	4	0.13
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD13	4	0.13
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD21	4	0.13
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD22	4	0.13
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD23	4	0.13
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD11	14	0.13
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD12	14	0.13
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD13	14	0.13
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD21	14	0.13
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD22	14	0.13
(1,2355)	1:72:A:THR:HB	1:74:A:LEU:HD23	14	0.13
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	12	0.13
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	12	0.13
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	12	0.13
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	12	0.13
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	12	0.13
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	12	0.13
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	12	0.13
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	12	0.13
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	12	0.13
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	12	0.13
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	12	0.13
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	12	0.13
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG21	12	0.13
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG22	12	0.13
(1,2299)	1:49:A:GLU:HA	1:51:A:THR:HG23	12	0.13
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG21	6	0.13
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG22	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2295)	1:48:A:ASN:HD21	1:51:A:THR:HG23	6	0.13
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	6	0.13
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	6	0.13
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	6	0.13
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	6	0.13
(1,2280)	1:45:A:THR:HA	1:48:A:ASN:HD22	15	0.13
(1,2280)	1:45:A:THR:HA	1:48:A:ASN:HD21	15	0.13
(1,2269)	1:23:A:GLN:H	1:24:A:ARG:HG3	12	0.13
(1,2096)	1:84:A:GLU:H	1:83:A:ASP:HB2	14	0.13
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB2	6	0.13
(1,2046)	1:79:A:LYS:H	1:78:A:LEU:HB3	6	0.13
(1,2019)	1:76:A:PRO:HA	1:79:A:LYS:HG2	11	0.13
(1,2019)	1:76:A:PRO:HA	1:79:A:LYS:HG3	11	0.13
(1,2018)	1:76:A:PRO:HA	1:79:A:LYS:H	15	0.13
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG21	10	0.13
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG22	10	0.13
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG23	10	0.13
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG21	10	0.13
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG22	10	0.13
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG23	10	0.13
(1,1988)	1:73:A:ASN:HB2	1:72:A:THR:HB	10	0.13
(1,1988)	1:73:A:ASN:HB3	1:72:A:THR:HB	10	0.13
(1,1955)	1:68:A:LYS:HG2	1:69:A:ALA:H	7	0.13
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD11	9	0.13
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD12	9	0.13
(1,1950)	1:67:A:GLU:HG3	1:71:A:LEU:HD13	9	0.13
(1,1926)	1:65:A:LYS:H	1:64:A:LYS:H	9	0.13
(1,1926)	1:65:A:LYS:H	1:64:A:LYS:H	12	0.13
(1,1894)	1:63:A:LEU:HG	1:59:A:PHE:HD1	8	0.13
(1,1894)	1:63:A:LEU:HG	1:59:A:PHE:HD2	8	0.13
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD11	14	0.13
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD12	14	0.13
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD13	14	0.13
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD21	14	0.13
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD22	14	0.13
(1,1862)	1:55:A:LYS:H	1:54:A:LEU:HD23	14	0.13
(1,1850)	1:52:A:GLN:H	1:51:A:THR:H	11	0.13
(1,1820)	1:46:A:VAL:HA	1:45:A:THR:HG21	15	0.13
(1,1820)	1:46:A:VAL:HA	1:45:A:THR:HG22	15	0.13
(1,1820)	1:46:A:VAL:HA	1:45:A:THR:HG23	15	0.13
(1,1811)	1:45:A:THR:H	1:46:A:VAL:H	5	0.13
(1,1782)	1:40:A:ARG:HG3	1:44:A:THR:HB	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1745)	1:32:A:VAL:HB	1:33:A:ALA:H	1	0.13
(1,1738)	1:30:A:LYS:HG2	1:27:A:VAL:HA	4	0.13
(1,1738)	1:30:A:LYS:HG3	1:27:A:VAL:HA	4	0.13
(1,1738)	1:30:A:LYS:HG2	1:27:A:VAL:HA	8	0.13
(1,1738)	1:30:A:LYS:HG3	1:27:A:VAL:HA	8	0.13
(1,1738)	1:30:A:LYS:HG2	1:27:A:VAL:HA	9	0.13
(1,1738)	1:30:A:LYS:HG3	1:27:A:VAL:HA	9	0.13
(1,1707)	1:23:A:GLN:H	1:24:A:ARG:H	6	0.13
(1,1707)	1:23:A:GLN:H	1:24:A:ARG:H	14	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG11	1	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG12	1	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG13	1	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG21	1	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG22	1	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG23	1	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG11	3	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG12	3	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG13	3	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG21	3	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG22	3	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG23	3	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG11	4	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG12	4	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG13	4	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG21	4	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG22	4	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG23	4	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG11	5	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG12	5	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG13	5	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG21	5	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG22	5	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG23	5	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG11	6	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG12	6	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG13	6	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG21	6	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG22	6	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG23	6	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG11	8	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG12	8	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG13	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG21	8	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG22	8	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG23	8	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG11	10	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG12	10	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG13	10	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG21	10	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG22	10	0.13
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG23	10	0.13
(1,1693)	1:21:A:GLY:H	1:17:A:LEU:HA	3	0.13
(1,1693)	1:21:A:GLY:H	1:17:A:LEU:HA	7	0.13
(1,1693)	1:21:A:GLY:H	1:17:A:LEU:HA	8	0.13
(1,1693)	1:21:A:GLY:H	1:17:A:LEU:HA	10	0.13
(1,1693)	1:21:A:GLY:H	1:17:A:LEU:HA	11	0.13
(1,1693)	1:21:A:GLY:H	1:17:A:LEU:HA	14	0.13
(1,1693)	1:21:A:GLY:H	1:17:A:LEU:HA	15	0.13
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA2	5	0.13
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA3	5	0.13
(1,1685)	1:18:A:VAL:H	1:17:A:LEU:HB2	9	0.13
(1,1685)	1:18:A:VAL:H	1:17:A:LEU:HB3	9	0.13
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG21	13	0.13
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG22	13	0.13
(1,1681)	1:17:A:LEU:H	1:18:A:VAL:HG23	13	0.13
(1,1637)	1:13:A:PHE:H	1:12:A:VAL:HB	12	0.13
(1,1624)	1:10:A:LEU:HA	1:13:A:PHE:HB2	6	0.13
(1,1624)	1:10:A:LEU:HA	1:13:A:PHE:HB3	6	0.13
(1,1624)	1:10:A:LEU:HA	1:13:A:PHE:HB2	8	0.13
(1,1624)	1:10:A:LEU:HA	1:13:A:PHE:HB3	8	0.13
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD1	15	0.13
(1,1623)	1:10:A:LEU:HA	1:13:A:PHE:HD2	15	0.13
(1,1615)	1:8:A:GLU:H	1:9:A:LEU:H	5	0.13
(1,1597)	1:6:A:PHE:HA	1:9:A:LEU:HB2	5	0.13
(1,1596)	1:6:A:PHE:H	1:8:A:GLU:H	1	0.13
(1,1587)	1:6:A:PHE:H	1:4:A:ILE:HA	13	0.13
(1,1570)	1:3:A:ASP:HA	1:5:A:GLY:H	12	0.13
(1,1493)	1:82:A:MET:HG2	1:81:A:SER:H	14	0.13
(1,1493)	1:82:A:MET:HG3	1:81:A:SER:H	14	0.13
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG21	4	0.13
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG22	4	0.13
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG23	4	0.13
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG21	4	0.13
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG22	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG23	4	0.13
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG21	4	0.13
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG22	4	0.13
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG23	4	0.13
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG11	4	0.13
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG12	4	0.13
(1,1454)	1:69:A:ALA:HB1	1:66:A:VAL:HG13	4	0.13
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG11	4	0.13
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG12	4	0.13
(1,1454)	1:69:A:ALA:HB2	1:66:A:VAL:HG13	4	0.13
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG11	4	0.13
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG12	4	0.13
(1,1454)	1:69:A:ALA:HB3	1:66:A:VAL:HG13	4	0.13
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB1	3	0.13
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB2	3	0.13
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB3	3	0.13
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB1	10	0.13
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB2	10	0.13
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB3	10	0.13
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB1	11	0.13
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB2	11	0.13
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB3	11	0.13
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG21	4	0.13
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG22	4	0.13
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG23	4	0.13
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB1	1	0.13
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB2	1	0.13
(1,1331)	1:29:A:VAL:HA	1:28:A:ALA:HB3	1	0.13
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD11	12	0.13
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD12	12	0.13
(1,1258)	1:10:A:LEU:HA	1:14:A:ILE:HD13	12	0.13
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG21	2	0.13
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG22	2	0.13
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG23	2	0.13
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG21	5	0.13
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG22	5	0.13
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG23	5	0.13
(1,1199)	1:20:A:LEU:HD11	1:24:A:ARG:H	12	0.13
(1,1199)	1:20:A:LEU:HD12	1:24:A:ARG:H	12	0.13
(1,1199)	1:20:A:LEU:HD13	1:24:A:ARG:H	12	0.13
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG21	2	0.13
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG22	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG23	2	0.13
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG21	5	0.13
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG22	5	0.13
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG23	5	0.13
(1,1151)	1:20:A:LEU:HD11	1:24:A:ARG:H	12	0.13
(1,1151)	1:20:A:LEU:HD12	1:24:A:ARG:H	12	0.13
(1,1151)	1:20:A:LEU:HD13	1:24:A:ARG:H	12	0.13
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG21	2	0.13
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG22	2	0.13
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG23	2	0.13
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG21	5	0.13
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG22	5	0.13
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG23	5	0.13
(1,1103)	1:20:A:LEU:HD11	1:24:A:ARG:H	12	0.13
(1,1103)	1:20:A:LEU:HD12	1:24:A:ARG:H	12	0.13
(1,1103)	1:20:A:LEU:HD13	1:24:A:ARG:H	12	0.13
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG21	2	0.13
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG22	2	0.13
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG23	2	0.13
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG21	5	0.13
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG22	5	0.13
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG23	5	0.13
(1,1055)	1:20:A:LEU:HD11	1:24:A:ARG:H	12	0.13
(1,1055)	1:20:A:LEU:HD12	1:24:A:ARG:H	12	0.13
(1,1055)	1:20:A:LEU:HD13	1:24:A:ARG:H	12	0.13
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG21	2	0.13
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG22	2	0.13
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG23	2	0.13
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG21	5	0.13
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG22	5	0.13
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG23	5	0.13
(1,1007)	1:20:A:LEU:HD11	1:24:A:ARG:H	12	0.13
(1,1007)	1:20:A:LEU:HD12	1:24:A:ARG:H	12	0.13
(1,1007)	1:20:A:LEU:HD13	1:24:A:ARG:H	12	0.13
(1,913)	1:48:A:ASN:HB3	1:49:A:GLU:H	5	0.13
(1,913)	1:48:A:ASN:HB3	1:49:A:GLU:H	8	0.13
(1,901)	1:90:A:GLU:HA	1:93:A:LYS:HG3	3	0.13
(1,836)	1:97:A:VAL:HA	1:100:A:ASP:H	1	0.13
(1,836)	1:97:A:VAL:HA	1:100:A:ASP:H	13	0.13
(1,836)	1:97:A:VAL:HA	1:100:A:ASP:H	15	0.13
(1,815)	1:95:A:SER:HB2	1:96:A:TYR:HD1	1	0.13
(1,815)	1:95:A:SER:HB2	1:96:A:TYR:HD2	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:95:A:SER:HB3	1:96:A:TYR:HD1	1	0.13
(1,815)	1:95:A:SER:HB3	1:96:A:TYR:HD2	1	0.13
(1,776)	1:90:A:GLU:H	1:87:A:GLN:H	1	0.13
(1,776)	1:90:A:GLU:H	1:87:A:GLN:H	8	0.13
(1,776)	1:90:A:GLU:H	1:87:A:GLN:H	12	0.13
(1,776)	1:90:A:GLU:H	1:87:A:GLN:H	14	0.13
(1,776)	1:90:A:GLU:H	1:87:A:GLN:H	15	0.13
(1,766)	1:87:A:GLN:HA	1:90:A:GLU:H	5	0.13
(1,766)	1:87:A:GLN:HA	1:90:A:GLU:H	10	0.13
(1,766)	1:87:A:GLN:HA	1:90:A:GLU:H	11	0.13
(1,654)	1:76:A:PRO:HA	1:79:A:LYS:HB3	4	0.13
(1,654)	1:76:A:PRO:HA	1:79:A:LYS:HB3	14	0.13
(1,560)	1:65:A:LYS:H	1:62:A:SER:HB2	10	0.13
(1,438)	1:42:A:LEU:H	1:39:A:LEU:HB2	11	0.13
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD11	5	0.13
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD12	5	0.13
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD13	5	0.13
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD11	9	0.13
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD12	9	0.13
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD13	9	0.13
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD11	10	0.13
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD12	10	0.13
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD13	10	0.13
(1,401)	1:33:A:ALA:H	1:31:A:THR:H	2	0.13
(1,401)	1:33:A:ALA:H	1:31:A:THR:H	4	0.13
(1,401)	1:33:A:ALA:H	1:31:A:THR:H	5	0.13
(1,401)	1:33:A:ALA:H	1:31:A:THR:H	12	0.13
(1,401)	1:33:A:ALA:H	1:31:A:THR:H	14	0.13
(1,259)	1:6:A:PHE:HA	1:9:A:LEU:HG	12	0.13
(1,232)	1:4:A:ILE:HG12	1:3:A:ASP:HA	15	0.13
(1,197)	1:99:A:ASN:H	1:97:A:VAL:HG21	2	0.13
(1,197)	1:99:A:ASN:H	1:97:A:VAL:HG22	2	0.13
(1,197)	1:99:A:ASN:H	1:97:A:VAL:HG23	2	0.13
(1,190)	1:95:A:SER:HB2	1:96:A:TYR:HD1	1	0.13
(1,190)	1:95:A:SER:HB2	1:96:A:TYR:HD2	1	0.13
(1,190)	1:95:A:SER:HB3	1:96:A:TYR:HD1	1	0.13
(1,190)	1:95:A:SER:HB3	1:96:A:TYR:HD2	1	0.13
(1,186)	1:93:A:LYS:H	1:90:A:GLU:H	5	0.13
(1,179)	1:90:A:GLU:H	1:86:A:ARG:H	1	0.13
(1,179)	1:90:A:GLU:H	1:86:A:ARG:H	5	0.13
(1,179)	1:90:A:GLU:H	1:86:A:ARG:H	6	0.13
(1,179)	1:90:A:GLU:H	1:86:A:ARG:H	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,179)	1:90:A:GLU:H	1:86:A:ARG:H	9	0.13
(1,179)	1:90:A:GLU:H	1:86:A:ARG:H	10	0.13
(1,179)	1:90:A:GLU:H	1:86:A:ARG:H	12	0.13
(1,179)	1:90:A:GLU:H	1:86:A:ARG:H	14	0.13
(1,179)	1:90:A:GLU:H	1:86:A:ARG:H	15	0.13
(1,169)	1:85:A:LEU:H	1:86:A:ARG:HA	3	0.13
(1,169)	1:85:A:LEU:H	1:86:A:ARG:HA	5	0.13
(1,169)	1:85:A:LEU:H	1:86:A:ARG:HA	8	0.13
(1,169)	1:85:A:LEU:H	1:86:A:ARG:HA	10	0.13
(1,169)	1:85:A:LEU:H	1:86:A:ARG:HA	11	0.13
(1,169)	1:85:A:LEU:H	1:86:A:ARG:HA	12	0.13
(1,163)	1:82:A:MET:H	1:79:A:LYS:HG2	6	0.13
(1,163)	1:82:A:MET:H	1:79:A:LYS:HG3	6	0.13
(1,99)	1:42:A:LEU:H	1:39:A:LEU:HG	10	0.13
(1,91)	1:40:A:ARG:HB2	1:43:A:ALA:H	3	0.13
(1,91)	1:40:A:ARG:HB3	1:43:A:ALA:H	3	0.13
(1,48)	1:25:A:LEU:HA	1:26:A:PRO:HG2	1	0.13
(4,164)	1:90:A:GLU:O	1:94:A:ARG:N	1	0.12
(4,164)	1:90:A:GLU:O	1:94:A:ARG:N	14	0.12
(4,140)	1:58:A:GLU:O	1:62:A:SER:N	1	0.12
(4,139)	1:57:A:GLN:O	1:61:A:ASP:N	1	0.12
(4,134)	1:39:A:LEU:O	1:43:A:ALA:N	5	0.12
(4,132)	1:37:A:ARG:O	1:41:A:SER:N	15	0.12
(4,127)	1:32:A:VAL:O	1:36:A:ILE:N	3	0.12
(4,115)	1:10:A:LEU:O	1:14:A:ILE:N	6	0.12
(4,114)	1:9:A:LEU:O	1:13:A:PHE:N	10	0.12
(4,107)	1:91:A:SER:O	1:95:A:SER:H	10	0.12
(4,93)	1:84:A:GLU:O	1:88:A:ALA:H	14	0.12
(4,77)	1:68:A:LYS:O	1:72:A:THR:H	1	0.12
(4,77)	1:68:A:LYS:O	1:72:A:THR:H	2	0.12
(4,77)	1:68:A:LYS:O	1:72:A:THR:H	12	0.12
(4,75)	1:67:A:GLU:O	1:71:A:LEU:H	5	0.12
(4,73)	1:66:A:VAL:O	1:70:A:SER:H	4	0.12
(4,61)	1:60:A:GLN:O	1:64:A:LYS:H	11	0.12
(4,59)	1:59:A:PHE:O	1:63:A:LEU:H	7	0.12
(4,49)	1:40:A:ARG:O	1:44:A:THR:H	2	0.12
(4,49)	1:40:A:ARG:O	1:44:A:THR:H	9	0.12
(4,41)	1:36:A:ILE:O	1:40:A:ARG:H	5	0.12
(4,41)	1:36:A:ILE:O	1:40:A:ARG:H	6	0.12
(4,41)	1:36:A:ILE:O	1:40:A:ARG:H	10	0.12
(4,39)	1:35:A:TRP:O	1:39:A:LEU:H	1	0.12
(4,39)	1:35:A:TRP:O	1:39:A:LEU:H	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,29)	1:30:A:LYS:O	1:34:A:GLY:H	12	0.12
(4,29)	1:30:A:LYS:O	1:34:A:GLY:H	13	0.12
(4,9)	1:10:A:LEU:O	1:14:A:ILE:H	12	0.12
(4,3)	1:7:A:SER:O	1:11:A:LEU:H	11	0.12
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG21	15	0.12
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG22	15	0.12
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG23	15	0.12
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG21	15	0.12
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG22	15	0.12
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG23	15	0.12
(2,594)	1:49:A:GLU:HA	1:53:A:GLU:H	5	0.12
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD21	1	0.12
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD22	1	0.12
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD23	1	0.12
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD21	3	0.12
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD22	3	0.12
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD23	3	0.12
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD21	8	0.12
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD22	8	0.12
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD23	8	0.12
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD21	9	0.12
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD22	9	0.12
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD23	9	0.12
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD21	15	0.12
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD22	15	0.12
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD23	15	0.12
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG21	15	0.12
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG22	15	0.12
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG23	15	0.12
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG21	15	0.12
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG22	15	0.12
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG23	15	0.12
(2,519)	1:49:A:GLU:HA	1:53:A:GLU:H	5	0.12
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD21	1	0.12
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD22	1	0.12
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD23	1	0.12
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD21	3	0.12
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD22	3	0.12
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD23	3	0.12
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD21	8	0.12
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD22	8	0.12
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD23	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD21	9	0.12
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD22	9	0.12
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD23	9	0.12
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD21	15	0.12
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD22	15	0.12
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD23	15	0.12
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG21	15	0.12
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG22	15	0.12
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG23	15	0.12
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG21	15	0.12
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG22	15	0.12
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG23	15	0.12
(2,444)	1:49:A:GLU:HA	1:53:A:GLU:H	5	0.12
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD21	1	0.12
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD22	1	0.12
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD23	1	0.12
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD21	3	0.12
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD22	3	0.12
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD23	3	0.12
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD21	8	0.12
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD22	8	0.12
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD23	8	0.12
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD21	9	0.12
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD22	9	0.12
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD23	9	0.12
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD21	15	0.12
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD22	15	0.12
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD23	15	0.12
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG21	15	0.12
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG22	15	0.12
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG23	15	0.12
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG21	15	0.12
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG22	15	0.12
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG23	15	0.12
(2,369)	1:49:A:GLU:HA	1:53:A:GLU:H	5	0.12
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD21	1	0.12
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD22	1	0.12
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD23	1	0.12
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD21	3	0.12
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD22	3	0.12
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD23	3	0.12
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD21	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD22	8	0.12
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD23	8	0.12
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD21	9	0.12
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD22	9	0.12
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD23	9	0.12
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD21	15	0.12
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD22	15	0.12
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD23	15	0.12
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG21	15	0.12
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG22	15	0.12
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG23	15	0.12
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG21	15	0.12
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG22	15	0.12
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG23	15	0.12
(2,294)	1:49:A:GLU:HA	1:53:A:GLU:H	5	0.12
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD21	1	0.12
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD22	1	0.12
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD23	1	0.12
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD21	3	0.12
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD22	3	0.12
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD23	3	0.12
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD21	8	0.12
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD22	8	0.12
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD23	8	0.12
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD21	9	0.12
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD22	9	0.12
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD23	9	0.12
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD21	15	0.12
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD22	15	0.12
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD23	15	0.12
(2,253)	1:52:A:GLN:HB2	1:56:A:LEU:HD11	10	0.12
(2,253)	1:52:A:GLN:HB2	1:56:A:LEU:HD12	10	0.12
(2,253)	1:52:A:GLN:HB2	1:56:A:LEU:HD13	10	0.12
(2,253)	1:52:A:GLN:HB3	1:56:A:LEU:HD11	10	0.12
(2,253)	1:52:A:GLN:HB3	1:56:A:LEU:HD12	10	0.12
(2,253)	1:52:A:GLN:HB3	1:56:A:LEU:HD13	10	0.12
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD11	8	0.12
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD12	8	0.12
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD13	8	0.12
(2,174)	1:69:A:ALA:HA	1:73:A:ASN:HD21	13	0.12
(2,174)	1:69:A:ALA:HA	1:73:A:ASN:HD22	13	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG11	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG12	3	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG13	3	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG11	4	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG12	4	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG13	4	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG11	5	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG12	5	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG13	5	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG11	6	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG12	6	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG13	6	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG11	7	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG12	7	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG13	7	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG11	8	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG12	8	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG13	8	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG11	9	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG12	9	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG13	9	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG11	10	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG12	10	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG13	10	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG11	15	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG12	15	0.12
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG13	15	0.12
(2,126)	1:13:A:PHE:HZ	1:17:A:LEU:HB2	5	0.12
(2,126)	1:13:A:PHE:HZ	1:17:A:LEU:HB3	5	0.12
(2,116)	1:6:A:PHE:HE1	1:4:A:ILE:HA	5	0.12
(2,116)	1:6:A:PHE:HE2	1:4:A:ILE:HA	5	0.12
(2,116)	1:6:A:PHE:HE1	1:4:A:ILE:HA	13	0.12
(2,116)	1:6:A:PHE:HE2	1:4:A:ILE:HA	13	0.12
(2,108)	1:2:A:PHE:HD1	1:4:A:ILE:HB	2	0.12
(2,108)	1:2:A:PHE:HD2	1:4:A:ILE:HB	2	0.12
(2,108)	1:2:A:PHE:HD1	1:4:A:ILE:HB	4	0.12
(2,108)	1:2:A:PHE:HD2	1:4:A:ILE:HB	4	0.12
(2,108)	1:2:A:PHE:HD1	1:4:A:ILE:HB	6	0.12
(2,108)	1:2:A:PHE:HD2	1:4:A:ILE:HB	6	0.12
(2,108)	1:2:A:PHE:HD1	1:4:A:ILE:HB	10	0.12
(2,108)	1:2:A:PHE:HD2	1:4:A:ILE:HB	10	0.12
(2,100)	1:93:A:LYS:HB2	1:96:A:TYR:HE1	10	0.12
(2,100)	1:93:A:LYS:HB2	1:96:A:TYR:HE2	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,71)	1:58:A:GLU:H	1:62:A:SER:H	12	0.12
(2,71)	1:58:A:GLU:H	1:62:A:SER:H	13	0.12
(2,67)	1:57:A:GLN:HA	1:59:A:PHE:HD1	8	0.12
(2,67)	1:57:A:GLN:HA	1:59:A:PHE:HD2	8	0.12
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG21	1	0.12
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG22	1	0.12
(2,36)	1:35:A:TRP:HH2	1:31:A:THR:HG23	1	0.12
(2,21)	1:17:A:LEU:H	1:20:A:LEU:HD21	2	0.12
(2,21)	1:17:A:LEU:H	1:20:A:LEU:HD22	2	0.12
(2,21)	1:17:A:LEU:H	1:20:A:LEU:HD23	2	0.12
(2,8)	1:11:A:LEU:H	1:14:A:ILE:HD11	5	0.12
(2,8)	1:11:A:LEU:H	1:14:A:ILE:HD12	5	0.12
(2,8)	1:11:A:LEU:H	1:14:A:ILE:HD13	5	0.12
(2,8)	1:11:A:LEU:H	1:14:A:ILE:HD11	6	0.12
(2,8)	1:11:A:LEU:H	1:14:A:ILE:HD12	6	0.12
(2,8)	1:11:A:LEU:H	1:14:A:ILE:HD13	6	0.12
(1,2815)	1:53:A:GLU:H	1:51:A:THR:H	2	0.12
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD11	3	0.12
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD12	3	0.12
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD13	3	0.12
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD21	3	0.12
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD22	3	0.12
(1,2807)	1:51:A:THR:HA	1:54:A:LEU:HD23	3	0.12
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	1	0.12
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	1	0.12
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	1	0.12
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	1	0.12
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	3	0.12
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	3	0.12
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	3	0.12
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	3	0.12
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	4	0.12
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	4	0.12
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	4	0.12
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	4	0.12
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	13	0.12
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	13	0.12
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	13	0.12
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	13	0.12
(1,2691)	1:53:A:GLU:H	1:51:A:THR:H	2	0.12
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD11	3	0.12
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD12	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD13	3	0.12
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD21	3	0.12
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD22	3	0.12
(1,2683)	1:51:A:THR:HA	1:54:A:LEU:HD23	3	0.12
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	1	0.12
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	1	0.12
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	1	0.12
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	1	0.12
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	3	0.12
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	3	0.12
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	3	0.12
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	3	0.12
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	4	0.12
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	4	0.12
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	4	0.12
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	4	0.12
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	13	0.12
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	13	0.12
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	13	0.12
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	13	0.12
(1,2567)	1:53:A:GLU:H	1:51:A:THR:H	2	0.12
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD11	3	0.12
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD12	3	0.12
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD13	3	0.12
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD21	3	0.12
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD22	3	0.12
(1,2559)	1:51:A:THR:HA	1:54:A:LEU:HD23	3	0.12
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	1	0.12
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	1	0.12
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	1	0.12
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	1	0.12
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	3	0.12
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	3	0.12
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	3	0.12
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	3	0.12
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	4	0.12
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	4	0.12
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	4	0.12
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	4	0.12
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	13	0.12
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	13	0.12
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	13	0.12
(1,2443)	1:53:A:GLU:H	1:51:A:THR:H	2	0.12
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD11	3	0.12
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD12	3	0.12
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD13	3	0.12
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD21	3	0.12
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD22	3	0.12
(1,2435)	1:51:A:THR:HA	1:54:A:LEU:HD23	3	0.12
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	1	0.12
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	1	0.12
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	1	0.12
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	1	0.12
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	3	0.12
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	3	0.12
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	3	0.12
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	3	0.12
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	4	0.12
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	4	0.12
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	4	0.12
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	4	0.12
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	13	0.12
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	13	0.12
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	13	0.12
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	13	0.12
(1,2319)	1:53:A:GLU:H	1:51:A:THR:H	2	0.12
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD11	3	0.12
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD12	3	0.12
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD13	3	0.12
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD21	3	0.12
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD22	3	0.12
(1,2311)	1:51:A:THR:HA	1:54:A:LEU:HD23	3	0.12
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	1	0.12
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	1	0.12
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	1	0.12
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	1	0.12
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	3	0.12
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	3	0.12
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	3	0.12
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	3	0.12
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	4	0.12
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	4	0.12
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	4	0.12
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	13	0.12
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	13	0.12
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	13	0.12
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	13	0.12
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB1	11	0.12
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB2	11	0.12
(1,2208)	1:97:A:VAL:HB	1:98:A:ALA:HB3	11	0.12
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG21	3	0.12
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG22	3	0.12
(1,2189)	1:96:A:TYR:HA	1:97:A:VAL:HG23	3	0.12
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB1	7	0.12
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB2	7	0.12
(1,2180)	1:95:A:SER:HB2	1:98:A:ALA:HB3	7	0.12
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB1	7	0.12
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB2	7	0.12
(1,2180)	1:95:A:SER:HB3	1:98:A:ALA:HB3	7	0.12
(1,2177)	1:94:A:ARG:HA	1:97:A:VAL:HB	3	0.12
(1,2173)	1:94:A:ARG:HG2	1:95:A:SER:H	10	0.12
(1,2173)	1:94:A:ARG:HG2	1:95:A:SER:H	11	0.12
(1,2163)	1:93:A:LYS:HA	1:96:A:TYR:HB2	4	0.12
(1,2163)	1:93:A:LYS:HA	1:96:A:TYR:HB3	4	0.12
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE1	11	0.12
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE2	11	0.12
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE3	11	0.12
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB1	3	0.12
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB2	3	0.12
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB3	3	0.12
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB1	8	0.12
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB2	8	0.12
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB3	8	0.12
(1,2077)	1:83:A:ASP:HB2	1:80:A:ALA:HA	4	0.12
(1,2077)	1:83:A:ASP:HB3	1:80:A:ALA:HA	4	0.12
(1,2040)	1:78:A:LEU:HD11	1:82:A:MET:HE1	3	0.12
(1,2040)	1:78:A:LEU:HD11	1:82:A:MET:HE2	3	0.12
(1,2040)	1:78:A:LEU:HD11	1:82:A:MET:HE3	3	0.12
(1,2040)	1:78:A:LEU:HD12	1:82:A:MET:HE1	3	0.12
(1,2040)	1:78:A:LEU:HD12	1:82:A:MET:HE2	3	0.12
(1,2040)	1:78:A:LEU:HD12	1:82:A:MET:HE3	3	0.12
(1,2040)	1:78:A:LEU:HD13	1:82:A:MET:HE1	3	0.12
(1,2040)	1:78:A:LEU:HD13	1:82:A:MET:HE2	3	0.12
(1,2040)	1:78:A:LEU:HD13	1:82:A:MET:HE3	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2018)	1:76:A:PRO:HA	1:79:A:LYS:H	11	0.12
(1,1972)	1:71:A:LEU:H	1:69:A:ALA:HA	15	0.12
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD11	3	0.12
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD12	3	0.12
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD13	3	0.12
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD21	3	0.12
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD22	3	0.12
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD23	3	0.12
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD21	3	0.12
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD22	3	0.12
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD23	3	0.12
(1,1855)	1:55:A:LYS:H	1:54:A:LEU:HB2	6	0.12
(1,1855)	1:55:A:LYS:H	1:54:A:LEU:HB3	6	0.12
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD11	12	0.12
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD12	12	0.12
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD13	12	0.12
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD21	12	0.12
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD22	12	0.12
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD23	12	0.12
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD11	14	0.12
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD12	14	0.12
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD13	14	0.12
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD21	14	0.12
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD22	14	0.12
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD23	14	0.12
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD11	15	0.12
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD12	15	0.12
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD13	15	0.12
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD21	15	0.12
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD22	15	0.12
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD23	15	0.12
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG11	14	0.12
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG12	14	0.12
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG13	14	0.12
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG21	14	0.12
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG22	14	0.12
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG23	14	0.12
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG11	15	0.12
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG12	15	0.12
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG13	15	0.12
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG21	15	0.12
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG22	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG23	15	0.12
(1,1693)	1:21:A:GLY:H	1:17:A:LEU:HA	4	0.12
(1,1693)	1:21:A:GLY:H	1:17:A:LEU:HA	5	0.12
(1,1693)	1:21:A:GLY:H	1:17:A:LEU:HA	6	0.12
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA2	6	0.12
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA3	6	0.12
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA2	11	0.12
(1,1688)	1:19:A:VAL:H	1:16:A:GLY:HA3	11	0.12
(1,1652)	1:14:A:ILE:H	1:11:A:LEU:HA	9	0.12
(1,1596)	1:6:A:PHE:H	1:8:A:GLU:H	2	0.12
(1,1596)	1:6:A:PHE:H	1:8:A:GLU:H	10	0.12
(1,1568)	1:3:A:ASP:HB2	1:4:A:ILE:H	10	0.12
(1,1493)	1:82:A:MET:HG2	1:81:A:SER:H	1	0.12
(1,1493)	1:82:A:MET:HG3	1:81:A:SER:H	1	0.12
(1,1493)	1:82:A:MET:HG2	1:81:A:SER:H	6	0.12
(1,1493)	1:82:A:MET:HG3	1:81:A:SER:H	6	0.12
(1,1493)	1:82:A:MET:HG2	1:81:A:SER:H	11	0.12
(1,1493)	1:82:A:MET:HG3	1:81:A:SER:H	11	0.12
(1,1493)	1:82:A:MET:HG2	1:81:A:SER:H	12	0.12
(1,1493)	1:82:A:MET:HG3	1:81:A:SER:H	12	0.12
(1,1482)	1:76:A:PRO:HA	1:79:A:LYS:HB2	15	0.12
(1,1408)	1:46:A:VAL:HA	1:49:A:GLU:H	2	0.12
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB1	8	0.12
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB2	8	0.12
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB3	8	0.12
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB1	9	0.12
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB2	9	0.12
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB3	9	0.12
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG21	15	0.12
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG22	15	0.12
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG23	15	0.12
(1,1336)	1:32:A:VAL:HA	1:31:A:THR:HG21	9	0.12
(1,1336)	1:32:A:VAL:HA	1:31:A:THR:HG22	9	0.12
(1,1336)	1:32:A:VAL:HA	1:31:A:THR:HG23	9	0.12
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD11	13	0.12
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD12	13	0.12
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD13	13	0.12
(1,1228)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	3	0.12
(1,1228)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	3	0.12
(1,1228)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	13	0.12
(1,1228)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	13	0.12
(1,1226)	1:54:A:LEU:H	1:50:A:LEU:HD21	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1226)	1:54:A:LEU:H	1:50:A:LEU:HD22	14	0.12
(1,1226)	1:54:A:LEU:H	1:50:A:LEU:HD23	14	0.12
(1,1221)	1:49:A:GLU:HA	1:53:A:GLU:HB2	10	0.12
(1,1221)	1:49:A:GLU:HA	1:53:A:GLU:HB3	10	0.12
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG21	3	0.12
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG22	3	0.12
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG23	3	0.12
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG21	4	0.12
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG22	4	0.12
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG23	4	0.12
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG21	8	0.12
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG22	8	0.12
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG23	8	0.12
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG21	9	0.12
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG22	9	0.12
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG23	9	0.12
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG21	14	0.12
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG22	14	0.12
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG23	14	0.12
(1,1210)	1:47:A:GLN:HA	1:50:A:LEU:HD21	3	0.12
(1,1210)	1:47:A:GLN:HA	1:50:A:LEU:HD22	3	0.12
(1,1210)	1:47:A:GLN:HA	1:50:A:LEU:HD23	3	0.12
(1,1210)	1:47:A:GLN:HA	1:50:A:LEU:HD21	4	0.12
(1,1210)	1:47:A:GLN:HA	1:50:A:LEU:HD22	4	0.12
(1,1210)	1:47:A:GLN:HA	1:50:A:LEU:HD23	4	0.12
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD11	13	0.12
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD12	13	0.12
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD13	13	0.12
(1,1180)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	3	0.12
(1,1180)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	3	0.12
(1,1180)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	13	0.12
(1,1180)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	13	0.12
(1,1178)	1:54:A:LEU:H	1:50:A:LEU:HD21	14	0.12
(1,1178)	1:54:A:LEU:H	1:50:A:LEU:HD22	14	0.12
(1,1178)	1:54:A:LEU:H	1:50:A:LEU:HD23	14	0.12
(1,1173)	1:49:A:GLU:HA	1:53:A:GLU:HB2	10	0.12
(1,1173)	1:49:A:GLU:HA	1:53:A:GLU:HB3	10	0.12
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG21	3	0.12
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG22	3	0.12
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG23	3	0.12
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG21	4	0.12
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG22	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG23	4	0.12
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG21	8	0.12
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG22	8	0.12
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG23	8	0.12
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG21	9	0.12
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG22	9	0.12
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG23	9	0.12
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG21	14	0.12
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG22	14	0.12
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG23	14	0.12
(1,1162)	1:47:A:GLN:HA	1:50:A:LEU:HD21	3	0.12
(1,1162)	1:47:A:GLN:HA	1:50:A:LEU:HD22	3	0.12
(1,1162)	1:47:A:GLN:HA	1:50:A:LEU:HD23	3	0.12
(1,1162)	1:47:A:GLN:HA	1:50:A:LEU:HD21	4	0.12
(1,1162)	1:47:A:GLN:HA	1:50:A:LEU:HD22	4	0.12
(1,1162)	1:47:A:GLN:HA	1:50:A:LEU:HD23	4	0.12
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD11	13	0.12
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD12	13	0.12
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD13	13	0.12
(1,1132)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	3	0.12
(1,1132)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	3	0.12
(1,1132)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	13	0.12
(1,1132)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	13	0.12
(1,1130)	1:54:A:LEU:H	1:50:A:LEU:HD21	14	0.12
(1,1130)	1:54:A:LEU:H	1:50:A:LEU:HD22	14	0.12
(1,1130)	1:54:A:LEU:H	1:50:A:LEU:HD23	14	0.12
(1,1125)	1:49:A:GLU:HA	1:53:A:GLU:HB2	10	0.12
(1,1125)	1:49:A:GLU:HA	1:53:A:GLU:HB3	10	0.12
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG21	3	0.12
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG22	3	0.12
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG23	3	0.12
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG21	4	0.12
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG22	4	0.12
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG23	4	0.12
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG21	8	0.12
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG22	8	0.12
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG23	8	0.12
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG21	9	0.12
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG22	9	0.12
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG23	9	0.12
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG21	14	0.12
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG22	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG23	14	0.12
(1,1114)	1:47:A:GLN:HA	1:50:A:LEU:HD21	3	0.12
(1,1114)	1:47:A:GLN:HA	1:50:A:LEU:HD22	3	0.12
(1,1114)	1:47:A:GLN:HA	1:50:A:LEU:HD23	3	0.12
(1,1114)	1:47:A:GLN:HA	1:50:A:LEU:HD21	4	0.12
(1,1114)	1:47:A:GLN:HA	1:50:A:LEU:HD22	4	0.12
(1,1114)	1:47:A:GLN:HA	1:50:A:LEU:HD23	4	0.12
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD11	13	0.12
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD12	13	0.12
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD13	13	0.12
(1,1084)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	3	0.12
(1,1084)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	3	0.12
(1,1084)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	13	0.12
(1,1084)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	13	0.12
(1,1082)	1:54:A:LEU:H	1:50:A:LEU:HD21	14	0.12
(1,1082)	1:54:A:LEU:H	1:50:A:LEU:HD22	14	0.12
(1,1082)	1:54:A:LEU:H	1:50:A:LEU:HD23	14	0.12
(1,1077)	1:49:A:GLU:HA	1:53:A:GLU:HB2	10	0.12
(1,1077)	1:49:A:GLU:HA	1:53:A:GLU:HB3	10	0.12
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG21	3	0.12
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG22	3	0.12
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG23	3	0.12
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG21	4	0.12
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG22	4	0.12
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG23	4	0.12
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG21	8	0.12
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG22	8	0.12
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG23	8	0.12
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG21	9	0.12
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG22	9	0.12
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG23	9	0.12
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG21	14	0.12
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG22	14	0.12
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG23	14	0.12
(1,1066)	1:47:A:GLN:HA	1:50:A:LEU:HD21	3	0.12
(1,1066)	1:47:A:GLN:HA	1:50:A:LEU:HD22	3	0.12
(1,1066)	1:47:A:GLN:HA	1:50:A:LEU:HD23	3	0.12
(1,1066)	1:47:A:GLN:HA	1:50:A:LEU:HD21	4	0.12
(1,1066)	1:47:A:GLN:HA	1:50:A:LEU:HD22	4	0.12
(1,1066)	1:47:A:GLN:HA	1:50:A:LEU:HD23	4	0.12
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD11	13	0.12
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD12	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD13	13	0.12
(1,1036)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	3	0.12
(1,1036)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	3	0.12
(1,1036)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	13	0.12
(1,1036)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	13	0.12
(1,1034)	1:54:A:LEU:H	1:50:A:LEU:HD21	14	0.12
(1,1034)	1:54:A:LEU:H	1:50:A:LEU:HD22	14	0.12
(1,1034)	1:54:A:LEU:H	1:50:A:LEU:HD23	14	0.12
(1,1029)	1:49:A:GLU:HA	1:53:A:GLU:HB2	10	0.12
(1,1029)	1:49:A:GLU:HA	1:53:A:GLU:HB3	10	0.12
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG21	3	0.12
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG22	3	0.12
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG23	3	0.12
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG21	4	0.12
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG22	4	0.12
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG23	4	0.12
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG21	8	0.12
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG22	8	0.12
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG23	8	0.12
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG21	9	0.12
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG22	9	0.12
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG23	9	0.12
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG21	14	0.12
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG22	14	0.12
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG23	14	0.12
(1,1018)	1:47:A:GLN:HA	1:50:A:LEU:HD21	3	0.12
(1,1018)	1:47:A:GLN:HA	1:50:A:LEU:HD22	3	0.12
(1,1018)	1:47:A:GLN:HA	1:50:A:LEU:HD23	3	0.12
(1,1018)	1:47:A:GLN:HA	1:50:A:LEU:HD21	4	0.12
(1,1018)	1:47:A:GLN:HA	1:50:A:LEU:HD22	4	0.12
(1,1018)	1:47:A:GLN:HA	1:50:A:LEU:HD23	4	0.12
(1,997)	1:65:A:LYS:HA	1:68:A:LYS:HB2	5	0.12
(1,997)	1:65:A:LYS:HA	1:68:A:LYS:HB3	5	0.12
(1,927)	1:48:A:ASN:H	1:51:A:THR:HG21	15	0.12
(1,927)	1:48:A:ASN:H	1:51:A:THR:HG22	15	0.12
(1,927)	1:48:A:ASN:H	1:51:A:THR:HG23	15	0.12
(1,913)	1:48:A:ASN:HB3	1:49:A:GLU:H	9	0.12
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB2	3	0.12
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB3	3	0.12
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB2	3	0.12
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB3	3	0.12
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB2	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB3	3	0.12
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB2	4	0.12
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB3	4	0.12
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB2	4	0.12
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB3	4	0.12
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB2	4	0.12
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB3	4	0.12
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB2	5	0.12
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB3	5	0.12
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB2	5	0.12
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB3	5	0.12
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB2	5	0.12
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB3	5	0.12
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB2	6	0.12
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB3	6	0.12
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB2	6	0.12
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB3	6	0.12
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB2	6	0.12
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB3	6	0.12
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB2	7	0.12
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB3	7	0.12
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB2	7	0.12
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB3	7	0.12
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB2	7	0.12
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB3	7	0.12
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB2	8	0.12
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB3	8	0.12
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB2	8	0.12
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB3	8	0.12
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB2	8	0.12
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB3	8	0.12
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB2	9	0.12
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB3	9	0.12
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB2	9	0.12
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB3	9	0.12
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB2	9	0.12
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB3	9	0.12
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB2	10	0.12
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB3	10	0.12
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB2	10	0.12
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB3	10	0.12
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB2	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB3	10	0.12
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB2	14	0.12
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB3	14	0.12
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB2	14	0.12
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB3	14	0.12
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB2	14	0.12
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB3	14	0.12
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB2	15	0.12
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB3	15	0.12
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB2	15	0.12
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB3	15	0.12
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB2	15	0.12
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB3	15	0.12
(1,841)	1:98:A:ALA:HA	1:100:A:ASP:H	4	0.12
(1,815)	1:95:A:SER:HB2	1:96:A:TYR:HD1	12	0.12
(1,815)	1:95:A:SER:HB2	1:96:A:TYR:HD2	12	0.12
(1,815)	1:95:A:SER:HB3	1:96:A:TYR:HD1	12	0.12
(1,815)	1:95:A:SER:HB3	1:96:A:TYR:HD2	12	0.12
(1,815)	1:95:A:SER:HB2	1:96:A:TYR:HD1	15	0.12
(1,815)	1:95:A:SER:HB2	1:96:A:TYR:HD2	15	0.12
(1,815)	1:95:A:SER:HB3	1:96:A:TYR:HD1	15	0.12
(1,815)	1:95:A:SER:HB3	1:96:A:TYR:HD2	15	0.12
(1,776)	1:90:A:GLU:H	1:87:A:GLN:H	3	0.12
(1,776)	1:90:A:GLU:H	1:87:A:GLN:H	4	0.12
(1,776)	1:90:A:GLU:H	1:87:A:GLN:H	5	0.12
(1,776)	1:90:A:GLU:H	1:87:A:GLN:H	6	0.12
(1,776)	1:90:A:GLU:H	1:87:A:GLN:H	7	0.12
(1,776)	1:90:A:GLU:H	1:87:A:GLN:H	9	0.12
(1,776)	1:90:A:GLU:H	1:87:A:GLN:H	11	0.12
(1,776)	1:90:A:GLU:H	1:87:A:GLN:H	13	0.12
(1,597)	1:68:A:LYS:HG2	1:69:A:ALA:H	1	0.12
(1,597)	1:68:A:LYS:HG2	1:69:A:ALA:H	12	0.12
(1,594)	1:68:A:LYS:HG3	1:67:A:GLU:HB2	5	0.12
(1,573)	1:65:A:LYS:HA	1:68:A:LYS:HG2	10	0.12
(1,573)	1:65:A:LYS:HA	1:68:A:LYS:HG3	10	0.12
(1,556)	1:64:A:LYS:HA	1:66:A:VAL:H	12	0.12
(1,517)	1:55:A:LYS:H	1:54:A:LEU:HB2	2	0.12
(1,493)	1:51:A:THR:HB	1:52:A:GLN:HG2	1	0.12
(1,493)	1:51:A:THR:HB	1:52:A:GLN:HG3	1	0.12
(1,455)	1:43:A:ALA:HA	1:46:A:VAL:HB	1	0.12
(1,438)	1:42:A:LEU:H	1:39:A:LEU:HB2	2	0.12
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD11	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD12	3	0.12
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD13	3	0.12
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD11	6	0.12
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD12	6	0.12
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD13	6	0.12
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD11	14	0.12
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD12	14	0.12
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD13	14	0.12
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD11	15	0.12
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD12	15	0.12
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD13	15	0.12
(1,401)	1:33:A:ALA:H	1:31:A:THR:H	7	0.12
(1,401)	1:33:A:ALA:H	1:31:A:THR:H	9	0.12
(1,401)	1:33:A:ALA:H	1:31:A:THR:H	10	0.12
(1,360)	1:24:A:ARG:H	1:22:A:PRO:HB2	9	0.12
(1,360)	1:24:A:ARG:H	1:22:A:PRO:HB3	9	0.12
(1,311)	1:14:A:ILE:HA	1:17:A:LEU:HG	13	0.12
(1,273)	1:8:A:GLU:H	1:10:A:LEU:H	3	0.12
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD11	8	0.12
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD12	8	0.12
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD13	8	0.12
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD21	8	0.12
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD22	8	0.12
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD23	8	0.12
(1,259)	1:6:A:PHE:HA	1:9:A:LEU:HG	15	0.12
(1,190)	1:95:A:SER:HB2	1:96:A:TYR:HD1	12	0.12
(1,190)	1:95:A:SER:HB2	1:96:A:TYR:HD2	12	0.12
(1,190)	1:95:A:SER:HB3	1:96:A:TYR:HD1	12	0.12
(1,190)	1:95:A:SER:HB3	1:96:A:TYR:HD2	12	0.12
(1,190)	1:95:A:SER:HB2	1:96:A:TYR:HD1	15	0.12
(1,190)	1:95:A:SER:HB2	1:96:A:TYR:HD2	15	0.12
(1,190)	1:95:A:SER:HB3	1:96:A:TYR:HD1	15	0.12
(1,190)	1:95:A:SER:HB3	1:96:A:TYR:HD2	15	0.12
(1,186)	1:93:A:LYS:H	1:90:A:GLU:H	2	0.12
(1,186)	1:93:A:LYS:H	1:90:A:GLU:H	4	0.12
(1,179)	1:90:A:GLU:H	1:86:A:ARG:H	3	0.12
(1,179)	1:90:A:GLU:H	1:86:A:ARG:H	7	0.12
(1,169)	1:85:A:LEU:H	1:86:A:ARG:HA	7	0.12
(1,169)	1:85:A:LEU:H	1:86:A:ARG:HA	14	0.12
(1,163)	1:82:A:MET:H	1:79:A:LYS:HG2	9	0.12
(1,163)	1:82:A:MET:H	1:79:A:LYS:HG3	9	0.12
(1,163)	1:82:A:MET:H	1:79:A:LYS:HG2	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,163)	1:82:A:MET:H	1:79:A:LYS:HG3	13	0.12
(1,118)	1:47:A:GLN:HE21	1:44:A:THR:HG21	5	0.12
(1,118)	1:47:A:GLN:HE21	1:44:A:THR:HG22	5	0.12
(1,118)	1:47:A:GLN:HE21	1:44:A:THR:HG23	5	0.12
(1,118)	1:47:A:GLN:HE22	1:44:A:THR:HG21	5	0.12
(1,118)	1:47:A:GLN:HE22	1:44:A:THR:HG22	5	0.12
(1,118)	1:47:A:GLN:HE22	1:44:A:THR:HG23	5	0.12
(1,99)	1:42:A:LEU:H	1:39:A:LEU:HG	5	0.12
(1,99)	1:42:A:LEU:H	1:39:A:LEU:HG	11	0.12
(1,34)	1:17:A:LEU:H	1:14:A:ILE:HB	11	0.12
(4,136)	1:41:A:SER:O	1:45:A:THR:N	12	0.11
(4,127)	1:32:A:VAL:O	1:36:A:ILE:N	9	0.11
(4,127)	1:32:A:VAL:O	1:36:A:ILE:N	10	0.11
(4,120)	1:16:A:GLY:O	1:20:A:LEU:N	5	0.11
(4,119)	1:15:A:ILE:O	1:19:A:VAL:N	5	0.11
(4,119)	1:15:A:ILE:O	1:19:A:VAL:N	6	0.11
(4,116)	1:11:A:LEU:O	1:15:A:ILE:N	2	0.11
(4,115)	1:10:A:LEU:O	1:14:A:ILE:N	5	0.11
(4,107)	1:91:A:SER:O	1:95:A:SER:H	1	0.11
(4,107)	1:91:A:SER:O	1:95:A:SER:H	6	0.11
(4,107)	1:91:A:SER:O	1:95:A:SER:H	8	0.11
(4,107)	1:91:A:SER:O	1:95:A:SER:H	12	0.11
(4,107)	1:91:A:SER:O	1:95:A:SER:H	15	0.11
(4,93)	1:84:A:GLU:O	1:88:A:ALA:H	12	0.11
(4,77)	1:68:A:LYS:O	1:72:A:THR:H	11	0.11
(4,73)	1:66:A:VAL:O	1:70:A:SER:H	5	0.11
(4,66)	1:62:A:SER:O	1:66:A:VAL:N	7	0.11
(4,61)	1:60:A:GLN:O	1:64:A:LYS:H	1	0.11
(4,61)	1:60:A:GLN:O	1:64:A:LYS:H	6	0.11
(4,45)	1:38:A:ALA:O	1:42:A:LEU:H	2	0.11
(4,45)	1:38:A:ALA:O	1:42:A:LEU:H	8	0.11
(4,45)	1:38:A:ALA:O	1:42:A:LEU:H	9	0.11
(4,45)	1:38:A:ALA:O	1:42:A:LEU:H	10	0.11
(4,41)	1:36:A:ILE:O	1:40:A:ARG:H	7	0.11
(4,41)	1:36:A:ILE:O	1:40:A:ARG:H	9	0.11
(4,41)	1:36:A:ILE:O	1:40:A:ARG:H	11	0.11
(4,41)	1:36:A:ILE:O	1:40:A:ARG:H	12	0.11
(4,41)	1:36:A:ILE:O	1:40:A:ARG:H	14	0.11
(4,41)	1:36:A:ILE:O	1:40:A:ARG:H	15	0.11
(4,39)	1:35:A:TRP:O	1:39:A:LEU:H	11	0.11
(4,29)	1:30:A:LYS:O	1:34:A:GLY:H	2	0.11
(4,29)	1:30:A:LYS:O	1:34:A:GLY:H	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,29)	1:30:A:LYS:O	1:34:A:GLY:H	6	0.11
(4,29)	1:30:A:LYS:O	1:34:A:GLY:H	7	0.11
(4,29)	1:30:A:LYS:O	1:34:A:GLY:H	9	0.11
(4,29)	1:30:A:LYS:O	1:34:A:GLY:H	10	0.11
(4,13)	1:12:A:VAL:O	1:16:A:GLY:H	4	0.11
(4,13)	1:12:A:VAL:O	1:16:A:GLY:H	9	0.11
(4,13)	1:12:A:VAL:O	1:16:A:GLY:H	14	0.11
(4,3)	1:7:A:SER:O	1:11:A:LEU:H	12	0.11
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG21	10	0.11
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG22	10	0.11
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG23	10	0.11
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG21	6	0.11
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG22	6	0.11
(2,612)	1:57:A:GLN:HE21	1:51:A:THR:HG23	6	0.11
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG21	6	0.11
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG22	6	0.11
(2,612)	1:57:A:GLN:HE22	1:51:A:THR:HG23	6	0.11
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG2	15	0.11
(2,607)	1:55:A:LYS:H	1:52:A:GLN:HG3	15	0.11
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD21	11	0.11
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD22	11	0.11
(2,572)	1:20:A:LEU:HA	1:25:A:LEU:HD23	11	0.11
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG21	10	0.11
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG22	10	0.11
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG23	10	0.11
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG21	6	0.11
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG22	6	0.11
(2,537)	1:57:A:GLN:HE21	1:51:A:THR:HG23	6	0.11
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG21	6	0.11
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG22	6	0.11
(2,537)	1:57:A:GLN:HE22	1:51:A:THR:HG23	6	0.11
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG2	15	0.11
(2,532)	1:55:A:LYS:H	1:52:A:GLN:HG3	15	0.11
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD21	11	0.11
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD22	11	0.11
(2,497)	1:20:A:LEU:HA	1:25:A:LEU:HD23	11	0.11
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG21	10	0.11
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG22	10	0.11
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG23	10	0.11
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG21	6	0.11
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG22	6	0.11
(2,462)	1:57:A:GLN:HE21	1:51:A:THR:HG23	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG21	6	0.11
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG22	6	0.11
(2,462)	1:57:A:GLN:HE22	1:51:A:THR:HG23	6	0.11
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG2	15	0.11
(2,457)	1:55:A:LYS:H	1:52:A:GLN:HG3	15	0.11
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD21	11	0.11
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD22	11	0.11
(2,422)	1:20:A:LEU:HA	1:25:A:LEU:HD23	11	0.11
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG21	10	0.11
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG22	10	0.11
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG23	10	0.11
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG21	6	0.11
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG22	6	0.11
(2,387)	1:57:A:GLN:HE21	1:51:A:THR:HG23	6	0.11
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG21	6	0.11
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG22	6	0.11
(2,387)	1:57:A:GLN:HE22	1:51:A:THR:HG23	6	0.11
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG2	15	0.11
(2,382)	1:55:A:LYS:H	1:52:A:GLN:HG3	15	0.11
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD21	11	0.11
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD22	11	0.11
(2,347)	1:20:A:LEU:HA	1:25:A:LEU:HD23	11	0.11
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG21	10	0.11
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG22	10	0.11
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG23	10	0.11
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG21	6	0.11
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG22	6	0.11
(2,312)	1:57:A:GLN:HE21	1:51:A:THR:HG23	6	0.11
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG21	6	0.11
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG22	6	0.11
(2,312)	1:57:A:GLN:HE22	1:51:A:THR:HG23	6	0.11
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG2	15	0.11
(2,307)	1:55:A:LYS:H	1:52:A:GLN:HG3	15	0.11
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD21	11	0.11
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD22	11	0.11
(2,272)	1:20:A:LEU:HA	1:25:A:LEU:HD23	11	0.11
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD11	6	0.11
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD12	6	0.11
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD13	6	0.11
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD11	14	0.11
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD12	14	0.11
(2,260)	1:25:A:LEU:H	1:17:A:LEU:HD13	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,253)	1:52:A:GLN:HB2	1:56:A:LEU:HD11	3	0.11
(2,253)	1:52:A:GLN:HB2	1:56:A:LEU:HD12	3	0.11
(2,253)	1:52:A:GLN:HB2	1:56:A:LEU:HD13	3	0.11
(2,253)	1:52:A:GLN:HB3	1:56:A:LEU:HD11	3	0.11
(2,253)	1:52:A:GLN:HB3	1:56:A:LEU:HD12	3	0.11
(2,253)	1:52:A:GLN:HB3	1:56:A:LEU:HD13	3	0.11
(2,231)	1:101:A:PRO:HD2	1:98:A:ALA:H	3	0.11
(2,231)	1:101:A:PRO:HD3	1:98:A:ALA:H	3	0.11
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD11	10	0.11
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD12	10	0.11
(2,223)	1:96:A:TYR:H	1:102:A:LEU:HD13	10	0.11
(2,206)	1:84:A:GLU:H	1:82:A:MET:HE1	13	0.11
(2,206)	1:84:A:GLU:H	1:82:A:MET:HE2	13	0.11
(2,206)	1:84:A:GLU:H	1:82:A:MET:HE3	13	0.11
(2,177)	1:71:A:LEU:H	1:67:A:GLU:HB2	15	0.11
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG11	13	0.11
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG12	13	0.11
(2,134)	1:24:A:ARG:H	1:27:A:VAL:HG13	13	0.11
(2,119)	1:9:A:LEU:HA	1:12:A:VAL:HA	15	0.11
(2,116)	1:6:A:PHE:HE1	1:4:A:ILE:HA	2	0.11
(2,116)	1:6:A:PHE:HE2	1:4:A:ILE:HA	2	0.11
(2,116)	1:6:A:PHE:HE1	1:4:A:ILE:HA	4	0.11
(2,116)	1:6:A:PHE:HE2	1:4:A:ILE:HA	4	0.11
(2,116)	1:6:A:PHE:HE1	1:4:A:ILE:HA	10	0.11
(2,116)	1:6:A:PHE:HE2	1:4:A:ILE:HA	10	0.11
(2,104)	1:98:A:ALA:H	1:96:A:TYR:HE1	6	0.11
(2,104)	1:98:A:ALA:H	1:96:A:TYR:HE2	6	0.11
(2,71)	1:58:A:GLU:H	1:62:A:SER:H	8	0.11
(2,19)	1:17:A:LEU:H	1:18:A:VAL:HB	12	0.11
(2,4)	1:9:A:LEU:HG	1:13:A:PHE:HD1	1	0.11
(2,4)	1:9:A:LEU:HG	1:13:A:PHE:HD2	1	0.11
(2,4)	1:9:A:LEU:HG	1:13:A:PHE:HD1	5	0.11
(2,4)	1:9:A:LEU:HG	1:13:A:PHE:HD2	5	0.11
(2,4)	1:9:A:LEU:HG	1:13:A:PHE:HD1	6	0.11
(2,4)	1:9:A:LEU:HG	1:13:A:PHE:HD2	6	0.11
(1,2849)	1:71:A:LEU:HA	1:75:A:THR:HG21	14	0.11
(1,2849)	1:71:A:LEU:HA	1:75:A:THR:HG22	14	0.11
(1,2849)	1:71:A:LEU:HA	1:75:A:THR:HG23	14	0.11
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	10	0.11
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	10	0.11
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	10	0.11
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	10	0.11
(1,2840)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	10	0.11
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	10	0.11
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	10	0.11
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	10	0.11
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	10	0.11
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	10	0.11
(1,2840)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	10	0.11
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD21	6	0.11
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD22	6	0.11
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD23	6	0.11
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB2	12	0.11
(1,2806)	1:51:A:THR:HA	1:54:A:LEU:HB3	12	0.11
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	7	0.11
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	7	0.11
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	7	0.11
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	7	0.11
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	14	0.11
(1,2786)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	14	0.11
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	14	0.11
(1,2786)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	14	0.11
(1,2725)	1:71:A:LEU:HA	1:75:A:THR:HG21	14	0.11
(1,2725)	1:71:A:LEU:HA	1:75:A:THR:HG22	14	0.11
(1,2725)	1:71:A:LEU:HA	1:75:A:THR:HG23	14	0.11
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	10	0.11
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	10	0.11
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	10	0.11
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	10	0.11
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	10	0.11
(1,2716)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	10	0.11
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	10	0.11
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	10	0.11
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	10	0.11
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	10	0.11
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	10	0.11
(1,2716)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	10	0.11
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD21	6	0.11
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD22	6	0.11
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD23	6	0.11
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB2	12	0.11
(1,2682)	1:51:A:THR:HA	1:54:A:LEU:HB3	12	0.11
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	7	0.11
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	7	0.11
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	7	0.11
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	14	0.11
(1,2662)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	14	0.11
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	14	0.11
(1,2662)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	14	0.11
(1,2601)	1:71:A:LEU:HA	1:75:A:THR:HG21	14	0.11
(1,2601)	1:71:A:LEU:HA	1:75:A:THR:HG22	14	0.11
(1,2601)	1:71:A:LEU:HA	1:75:A:THR:HG23	14	0.11
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	10	0.11
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	10	0.11
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	10	0.11
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	10	0.11
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	10	0.11
(1,2592)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	10	0.11
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	10	0.11
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	10	0.11
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	10	0.11
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	10	0.11
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	10	0.11
(1,2592)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	10	0.11
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD21	6	0.11
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD22	6	0.11
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD23	6	0.11
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB2	12	0.11
(1,2558)	1:51:A:THR:HA	1:54:A:LEU:HB3	12	0.11
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	7	0.11
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	7	0.11
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	7	0.11
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	7	0.11
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	14	0.11
(1,2538)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	14	0.11
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	14	0.11
(1,2538)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	14	0.11
(1,2477)	1:71:A:LEU:HA	1:75:A:THR:HG21	14	0.11
(1,2477)	1:71:A:LEU:HA	1:75:A:THR:HG22	14	0.11
(1,2477)	1:71:A:LEU:HA	1:75:A:THR:HG23	14	0.11
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	10	0.11
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	10	0.11
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	10	0.11
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	10	0.11
(1,2468)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	10	0.11
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	10	0.11
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	10	0.11
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	10	0.11
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	10	0.11
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	10	0.11
(1,2468)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	10	0.11
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD21	6	0.11
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD22	6	0.11
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD23	6	0.11
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB2	12	0.11
(1,2434)	1:51:A:THR:HA	1:54:A:LEU:HB3	12	0.11
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	7	0.11
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	7	0.11
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	7	0.11
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	7	0.11
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	14	0.11
(1,2414)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	14	0.11
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	14	0.11
(1,2414)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	14	0.11
(1,2353)	1:71:A:LEU:HA	1:75:A:THR:HG21	14	0.11
(1,2353)	1:71:A:LEU:HA	1:75:A:THR:HG22	14	0.11
(1,2353)	1:71:A:LEU:HA	1:75:A:THR:HG23	14	0.11
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD11	10	0.11
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD12	10	0.11
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD13	10	0.11
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD21	10	0.11
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD22	10	0.11
(1,2344)	1:60:A:GLN:HG2	1:56:A:LEU:HD23	10	0.11
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD11	10	0.11
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD12	10	0.11
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD13	10	0.11
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD21	10	0.11
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD22	10	0.11
(1,2344)	1:60:A:GLN:HG3	1:56:A:LEU:HD23	10	0.11
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD21	6	0.11
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD22	6	0.11
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD23	6	0.11
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB2	12	0.11
(1,2310)	1:51:A:THR:HA	1:54:A:LEU:HB3	12	0.11
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	7	0.11
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	7	0.11
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	7	0.11
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB2	14	0.11
(1,2290)	1:48:A:ASN:HB2	1:49:A:GLU:HB3	14	0.11
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB2	14	0.11
(1,2290)	1:48:A:ASN:HB3	1:49:A:GLU:HB3	14	0.11
(1,2195)	1:96:A:TYR:HA	1:98:A:ALA:H	6	0.11
(1,2192)	1:96:A:TYR:HB3	1:97:A:VAL:H	2	0.11
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE1	1	0.11
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE2	1	0.11
(1,2139)	1:89:A:ALA:HA	1:92:A:MET:HE3	1	0.11
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB1	10	0.11
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB2	10	0.11
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB3	10	0.11
(1,2092)	1:84:A:GLU:HB2	1:81:A:SER:HA	7	0.11
(1,2092)	1:84:A:GLU:HB3	1:81:A:SER:HA	7	0.11
(1,2058)	1:81:A:SER:H	1:80:A:ALA:HB1	5	0.11
(1,2058)	1:81:A:SER:H	1:80:A:ALA:HB2	5	0.11
(1,2058)	1:81:A:SER:H	1:80:A:ALA:HB3	5	0.11
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD2	3	0.11
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD3	3	0.11
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD2	6	0.11
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD3	6	0.11
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD2	8	0.11
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD3	8	0.11
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD2	9	0.11
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD3	9	0.11
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD2	13	0.11
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD3	13	0.11
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG21	1	0.11
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG22	1	0.11
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG23	1	0.11
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG21	1	0.11
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG22	1	0.11
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG23	1	0.11
(1,1994)	1:73:A:ASN:HD21	1:72:A:THR:HG21	10	0.11
(1,1994)	1:73:A:ASN:HD21	1:72:A:THR:HG22	10	0.11
(1,1994)	1:73:A:ASN:HD21	1:72:A:THR:HG23	10	0.11
(1,1994)	1:73:A:ASN:HD22	1:72:A:THR:HG21	10	0.11
(1,1994)	1:73:A:ASN:HD22	1:72:A:THR:HG22	10	0.11
(1,1994)	1:73:A:ASN:HD22	1:72:A:THR:HG23	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD11	13	0.11
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD12	13	0.11
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD13	13	0.11
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD21	13	0.11
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD22	13	0.11
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD23	13	0.11
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD21	13	0.11
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD22	13	0.11
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD23	13	0.11
(1,1958)	1:69:A:ALA:H	1:65:A:LYS:HE2	15	0.11
(1,1958)	1:69:A:ALA:H	1:65:A:LYS:HE3	15	0.11
(1,1926)	1:65:A:LYS:H	1:64:A:LYS:H	2	0.11
(1,1926)	1:65:A:LYS:H	1:64:A:LYS:H	3	0.11
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG2	15	0.11
(1,1923)	1:65:A:LYS:H	1:64:A:LYS:HG3	15	0.11
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD11	11	0.11
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD12	11	0.11
(1,1870)	1:60:A:GLN:HE21	1:56:A:LEU:HD13	11	0.11
(1,1855)	1:55:A:LYS:H	1:54:A:LEU:HB2	3	0.11
(1,1855)	1:55:A:LYS:H	1:54:A:LEU:HB3	3	0.11
(1,1820)	1:46:A:VAL:HA	1:45:A:THR:HG21	11	0.11
(1,1820)	1:46:A:VAL:HA	1:45:A:THR:HG22	11	0.11
(1,1820)	1:46:A:VAL:HA	1:45:A:THR:HG23	11	0.11
(1,1795)	1:43:A:ALA:H	1:42:A:LEU:HB2	4	0.11
(1,1795)	1:43:A:ALA:H	1:42:A:LEU:HB3	4	0.11
(1,1786)	1:42:A:LEU:H	1:41:A:SER:HB2	12	0.11
(1,1786)	1:42:A:LEU:H	1:41:A:SER:HB3	12	0.11
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD11	6	0.11
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD12	6	0.11
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD13	6	0.11
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD21	6	0.11
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD22	6	0.11
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD23	6	0.11
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD11	13	0.11
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD12	13	0.11
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD13	13	0.11
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD21	13	0.11
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD22	13	0.11
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD23	13	0.11
(1,1767)	1:37:A:ARG:HB2	1:38:A:ALA:H	1	0.11
(1,1767)	1:37:A:ARG:HB3	1:38:A:ALA:H	1	0.11
(1,1738)	1:30:A:LYS:HG2	1:27:A:VAL:HA	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1738)	1:30:A:LYS:HG3	1:27:A:VAL:HA	5	0.11
(1,1693)	1:21:A:GLY:H	1:17:A:LEU:HA	1	0.11
(1,1685)	1:18:A:VAL:H	1:17:A:LEU:HB2	1	0.11
(1,1685)	1:18:A:VAL:H	1:17:A:LEU:HB3	1	0.11
(1,1628)	1:11:A:LEU:HB2	1:12:A:VAL:H	12	0.11
(1,1628)	1:11:A:LEU:HB3	1:12:A:VAL:H	12	0.11
(1,1624)	1:10:A:LEU:HA	1:13:A:PHE:HB2	5	0.11
(1,1624)	1:10:A:LEU:HA	1:13:A:PHE:HB3	5	0.11
(1,1596)	1:6:A:PHE:H	1:8:A:GLU:H	9	0.11
(1,1596)	1:6:A:PHE:H	1:8:A:GLU:H	14	0.11
(1,1596)	1:6:A:PHE:H	1:8:A:GLU:H	15	0.11
(1,1594)	1:6:A:PHE:HD1	1:7:A:SER:H	3	0.11
(1,1594)	1:6:A:PHE:HD2	1:7:A:SER:H	3	0.11
(1,1590)	1:6:A:PHE:HB3	1:5:A:GLY:HA3	15	0.11
(1,1568)	1:3:A:ASP:HB2	1:4:A:ILE:H	2	0.11
(1,1568)	1:3:A:ASP:HB2	1:4:A:ILE:H	4	0.11
(1,1568)	1:3:A:ASP:HB2	1:4:A:ILE:H	6	0.11
(1,1493)	1:82:A:MET:HG2	1:81:A:SER:H	4	0.11
(1,1493)	1:82:A:MET:HG3	1:81:A:SER:H	4	0.11
(1,1493)	1:82:A:MET:HG2	1:81:A:SER:H	5	0.11
(1,1493)	1:82:A:MET:HG3	1:81:A:SER:H	5	0.11
(1,1493)	1:82:A:MET:HG2	1:81:A:SER:H	10	0.11
(1,1493)	1:82:A:MET:HG3	1:81:A:SER:H	10	0.11
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD21	15	0.11
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD22	15	0.11
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD23	15	0.11
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD11	15	0.11
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD12	15	0.11
(1,1473)	1:73:A:ASN:H	1:74:A:LEU:HD13	15	0.11
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG21	8	0.11
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG22	8	0.11
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG23	8	0.11
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG21	13	0.11
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG22	13	0.11
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG23	13	0.11
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG21	14	0.11
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG22	14	0.11
(1,1373)	1:37:A:ARG:H	1:36:A:ILE:HG23	14	0.11
(1,1336)	1:32:A:VAL:HA	1:31:A:THR:HG21	2	0.11
(1,1336)	1:32:A:VAL:HA	1:31:A:THR:HG22	2	0.11
(1,1336)	1:32:A:VAL:HA	1:31:A:THR:HG23	2	0.11
(1,1275)	1:13:A:PHE:HD1	1:14:A:ILE:HD11	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1275)	1:13:A:PHE:HD1	1:14:A:ILE:HD12	8	0.11
(1,1275)	1:13:A:PHE:HD1	1:14:A:ILE:HD13	8	0.11
(1,1275)	1:13:A:PHE:HD2	1:14:A:ILE:HD11	8	0.11
(1,1275)	1:13:A:PHE:HD2	1:14:A:ILE:HD12	8	0.11
(1,1275)	1:13:A:PHE:HD2	1:14:A:ILE:HD13	8	0.11
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD11	3	0.11
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD12	3	0.11
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD13	3	0.11
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD11	4	0.11
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD12	4	0.11
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD13	4	0.11
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD11	9	0.11
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD12	9	0.11
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD13	9	0.11
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD11	14	0.11
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD12	14	0.11
(1,1236)	1:71:A:LEU:H	1:78:A:LEU:HD13	14	0.11
(1,1230)	1:57:A:GLN:H	1:54:A:LEU:HA	11	0.11
(1,1230)	1:57:A:GLN:H	1:54:A:LEU:HA	12	0.11
(1,1228)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	1	0.11
(1,1228)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	1	0.11
(1,1228)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	9	0.11
(1,1228)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	9	0.11
(1,1228)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	14	0.11
(1,1228)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	14	0.11
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG21	1	0.11
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG22	1	0.11
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG23	1	0.11
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG21	6	0.11
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG22	6	0.11
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG23	6	0.11
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG21	7	0.11
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG22	7	0.11
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG23	7	0.11
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG21	13	0.11
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG22	13	0.11
(1,1218)	1:48:A:ASN:HD21	1:44:A:THR:HG23	13	0.11
(1,1214)	1:48:A:ASN:HB2	1:51:A:THR:HG21	14	0.11
(1,1214)	1:48:A:ASN:HB2	1:51:A:THR:HG22	14	0.11
(1,1214)	1:48:A:ASN:HB2	1:51:A:THR:HG23	14	0.11
(1,1214)	1:48:A:ASN:HB3	1:51:A:THR:HG21	14	0.11
(1,1214)	1:48:A:ASN:HB3	1:51:A:THR:HG22	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1214)	1:48:A:ASN:HB3	1:51:A:THR:HG23	14	0.11
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD11	3	0.11
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD12	3	0.11
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD13	3	0.11
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD11	4	0.11
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD12	4	0.11
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD13	4	0.11
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD11	9	0.11
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD12	9	0.11
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD13	9	0.11
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD11	14	0.11
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD12	14	0.11
(1,1188)	1:71:A:LEU:H	1:78:A:LEU:HD13	14	0.11
(1,1182)	1:57:A:GLN:H	1:54:A:LEU:HA	11	0.11
(1,1182)	1:57:A:GLN:H	1:54:A:LEU:HA	12	0.11
(1,1180)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	1	0.11
(1,1180)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	1	0.11
(1,1180)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	9	0.11
(1,1180)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	9	0.11
(1,1180)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	14	0.11
(1,1180)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	14	0.11
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG21	1	0.11
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG22	1	0.11
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG23	1	0.11
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG21	6	0.11
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG22	6	0.11
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG23	6	0.11
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG21	7	0.11
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG22	7	0.11
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG23	7	0.11
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG21	13	0.11
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG22	13	0.11
(1,1170)	1:48:A:ASN:HD21	1:44:A:THR:HG23	13	0.11
(1,1166)	1:48:A:ASN:HB2	1:51:A:THR:HG21	14	0.11
(1,1166)	1:48:A:ASN:HB2	1:51:A:THR:HG22	14	0.11
(1,1166)	1:48:A:ASN:HB2	1:51:A:THR:HG23	14	0.11
(1,1166)	1:48:A:ASN:HB3	1:51:A:THR:HG21	14	0.11
(1,1166)	1:48:A:ASN:HB3	1:51:A:THR:HG22	14	0.11
(1,1166)	1:48:A:ASN:HB3	1:51:A:THR:HG23	14	0.11
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD11	3	0.11
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD12	3	0.11
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD13	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD11	4	0.11
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD12	4	0.11
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD13	4	0.11
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD11	9	0.11
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD12	9	0.11
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD13	9	0.11
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD11	14	0.11
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD12	14	0.11
(1,1140)	1:71:A:LEU:H	1:78:A:LEU:HD13	14	0.11
(1,1134)	1:57:A:GLN:H	1:54:A:LEU:HA	11	0.11
(1,1134)	1:57:A:GLN:H	1:54:A:LEU:HA	12	0.11
(1,1132)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	1	0.11
(1,1132)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	1	0.11
(1,1132)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	9	0.11
(1,1132)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	9	0.11
(1,1132)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	14	0.11
(1,1132)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	14	0.11
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG21	1	0.11
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG22	1	0.11
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG23	1	0.11
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG21	6	0.11
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG22	6	0.11
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG23	6	0.11
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG21	7	0.11
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG22	7	0.11
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG23	7	0.11
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG21	13	0.11
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG22	13	0.11
(1,1122)	1:48:A:ASN:HD21	1:44:A:THR:HG23	13	0.11
(1,1118)	1:48:A:ASN:HB2	1:51:A:THR:HG21	14	0.11
(1,1118)	1:48:A:ASN:HB2	1:51:A:THR:HG22	14	0.11
(1,1118)	1:48:A:ASN:HB2	1:51:A:THR:HG23	14	0.11
(1,1118)	1:48:A:ASN:HB3	1:51:A:THR:HG21	14	0.11
(1,1118)	1:48:A:ASN:HB3	1:51:A:THR:HG22	14	0.11
(1,1118)	1:48:A:ASN:HB3	1:51:A:THR:HG23	14	0.11
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD11	3	0.11
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD12	3	0.11
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD13	3	0.11
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD11	4	0.11
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD12	4	0.11
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD13	4	0.11
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD11	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD12	9	0.11
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD13	9	0.11
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD11	14	0.11
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD12	14	0.11
(1,1092)	1:71:A:LEU:H	1:78:A:LEU:HD13	14	0.11
(1,1086)	1:57:A:GLN:H	1:54:A:LEU:HA	11	0.11
(1,1086)	1:57:A:GLN:H	1:54:A:LEU:HA	12	0.11
(1,1084)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	1	0.11
(1,1084)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	1	0.11
(1,1084)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	9	0.11
(1,1084)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	9	0.11
(1,1084)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	14	0.11
(1,1084)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	14	0.11
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG21	1	0.11
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG22	1	0.11
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG23	1	0.11
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG21	6	0.11
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG22	6	0.11
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG23	6	0.11
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG21	7	0.11
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG22	7	0.11
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG23	7	0.11
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG21	13	0.11
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG22	13	0.11
(1,1074)	1:48:A:ASN:HD21	1:44:A:THR:HG23	13	0.11
(1,1070)	1:48:A:ASN:HB2	1:51:A:THR:HG21	14	0.11
(1,1070)	1:48:A:ASN:HB2	1:51:A:THR:HG22	14	0.11
(1,1070)	1:48:A:ASN:HB2	1:51:A:THR:HG23	14	0.11
(1,1070)	1:48:A:ASN:HB3	1:51:A:THR:HG21	14	0.11
(1,1070)	1:48:A:ASN:HB3	1:51:A:THR:HG22	14	0.11
(1,1070)	1:48:A:ASN:HB3	1:51:A:THR:HG23	14	0.11
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD11	3	0.11
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD12	3	0.11
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD13	3	0.11
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD11	4	0.11
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD12	4	0.11
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD13	4	0.11
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD11	9	0.11
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD12	9	0.11
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD13	9	0.11
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD11	14	0.11
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD12	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1044)	1:71:A:LEU:H	1:78:A:LEU:HD13	14	0.11
(1,1038)	1:57:A:GLN:H	1:54:A:LEU:HA	11	0.11
(1,1038)	1:57:A:GLN:H	1:54:A:LEU:HA	12	0.11
(1,1036)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	1	0.11
(1,1036)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	1	0.11
(1,1036)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	9	0.11
(1,1036)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	9	0.11
(1,1036)	1:55:A:LYS:HG2	1:56:A:LEU:HB3	14	0.11
(1,1036)	1:55:A:LYS:HG3	1:56:A:LEU:HB3	14	0.11
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG21	1	0.11
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG22	1	0.11
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG23	1	0.11
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG21	6	0.11
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG22	6	0.11
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG23	6	0.11
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG21	7	0.11
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG22	7	0.11
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG23	7	0.11
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG21	13	0.11
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG22	13	0.11
(1,1026)	1:48:A:ASN:HD21	1:44:A:THR:HG23	13	0.11
(1,1022)	1:48:A:ASN:HB2	1:51:A:THR:HG21	14	0.11
(1,1022)	1:48:A:ASN:HB2	1:51:A:THR:HG22	14	0.11
(1,1022)	1:48:A:ASN:HB2	1:51:A:THR:HG23	14	0.11
(1,1022)	1:48:A:ASN:HB3	1:51:A:THR:HG21	14	0.11
(1,1022)	1:48:A:ASN:HB3	1:51:A:THR:HG22	14	0.11
(1,1022)	1:48:A:ASN:HB3	1:51:A:THR:HG23	14	0.11
(1,901)	1:90:A:GLU:HA	1:93:A:LYS:HG3	6	0.11
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB2	1	0.11
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB3	1	0.11
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB2	1	0.11
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB3	1	0.11
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB2	1	0.11
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB3	1	0.11
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB2	13	0.11
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB3	13	0.11
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB2	13	0.11
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB3	13	0.11
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB2	13	0.11
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB3	13	0.11
(1,865)	1:103:A:GLU:HB2	1:102:A:LEU:HG	12	0.11
(1,865)	1:103:A:GLU:HB3	1:102:A:LEU:HG	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	1:103:A:GLU:H	1:100:A:ASP:H	2	0.11
(1,815)	1:95:A:SER:HB2	1:96:A:TYR:HD1	13	0.11
(1,815)	1:95:A:SER:HB2	1:96:A:TYR:HD2	13	0.11
(1,815)	1:95:A:SER:HB3	1:96:A:TYR:HD1	13	0.11
(1,815)	1:95:A:SER:HB3	1:96:A:TYR:HD2	13	0.11
(1,814)	1:94:A:ARG:H	1:97:A:VAL:HG21	6	0.11
(1,814)	1:94:A:ARG:H	1:97:A:VAL:HG22	6	0.11
(1,814)	1:94:A:ARG:H	1:97:A:VAL:HG23	6	0.11
(1,776)	1:90:A:GLU:H	1:87:A:GLN:H	2	0.11
(1,776)	1:90:A:GLU:H	1:87:A:GLN:H	10	0.11
(1,597)	1:68:A:LYS:HG2	1:69:A:ALA:H	2	0.11
(1,593)	1:68:A:LYS:H	1:66:A:VAL:HA	7	0.11
(1,556)	1:64:A:LYS:HA	1:66:A:VAL:H	2	0.11
(1,493)	1:51:A:THR:HB	1:52:A:GLN:HG2	13	0.11
(1,493)	1:51:A:THR:HB	1:52:A:GLN:HG3	13	0.11
(1,448)	1:43:A:ALA:H	1:41:A:SER:HA	8	0.11
(1,448)	1:43:A:ALA:H	1:41:A:SER:HA	9	0.11
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD11	4	0.11
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD12	4	0.11
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD13	4	0.11
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD11	8	0.11
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD12	8	0.11
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD13	8	0.11
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD11	12	0.11
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD12	12	0.11
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD13	12	0.11
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD11	13	0.11
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD12	13	0.11
(1,418)	1:37:A:ARG:H	1:36:A:ILE:HD13	13	0.11
(1,401)	1:33:A:ALA:H	1:31:A:THR:H	3	0.11
(1,401)	1:33:A:ALA:H	1:31:A:THR:H	6	0.11
(1,391)	1:30:A:LYS:HG2	1:31:A:THR:H	1	0.11
(1,360)	1:24:A:ARG:H	1:22:A:PRO:HB2	11	0.11
(1,360)	1:24:A:ARG:H	1:22:A:PRO:HB3	11	0.11
(1,360)	1:24:A:ARG:H	1:22:A:PRO:HB2	12	0.11
(1,360)	1:24:A:ARG:H	1:22:A:PRO:HB3	12	0.11
(1,360)	1:24:A:ARG:H	1:22:A:PRO:HB2	15	0.11
(1,360)	1:24:A:ARG:H	1:22:A:PRO:HB3	15	0.11
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD11	3	0.11
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD12	3	0.11
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD13	3	0.11
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD21	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD22	3	0.11
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD23	3	0.11
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD11	12	0.11
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD12	12	0.11
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD13	12	0.11
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD21	12	0.11
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD22	12	0.11
(1,271)	1:8:A:GLU:HB2	1:9:A:LEU:HD23	12	0.11
(1,213)	1:2:A:PHE:H	1:3:A:ASP:HB2	11	0.11
(1,203)	1:1:A:MET:HE1	1:3:A:ASP:H	11	0.11
(1,203)	1:1:A:MET:HE2	1:3:A:ASP:H	11	0.11
(1,203)	1:1:A:MET:HE3	1:3:A:ASP:H	11	0.11
(1,190)	1:95:A:SER:HB2	1:96:A:TYR:HD1	13	0.11
(1,190)	1:95:A:SER:HB2	1:96:A:TYR:HD2	13	0.11
(1,190)	1:95:A:SER:HB3	1:96:A:TYR:HD1	13	0.11
(1,190)	1:95:A:SER:HB3	1:96:A:TYR:HD2	13	0.11
(1,186)	1:93:A:LYS:H	1:90:A:GLU:H	1	0.11
(1,186)	1:93:A:LYS:H	1:90:A:GLU:H	9	0.11
(1,163)	1:82:A:MET:H	1:79:A:LYS:HG2	3	0.11
(1,163)	1:82:A:MET:H	1:79:A:LYS:HG3	3	0.11
(1,163)	1:82:A:MET:H	1:79:A:LYS:HG2	4	0.11
(1,163)	1:82:A:MET:H	1:79:A:LYS:HG3	4	0.11
(1,163)	1:82:A:MET:H	1:79:A:LYS:HG2	8	0.11
(1,163)	1:82:A:MET:H	1:79:A:LYS:HG3	8	0.11
(1,118)	1:47:A:GLN:HE21	1:44:A:THR:HG21	6	0.11
(1,118)	1:47:A:GLN:HE21	1:44:A:THR:HG22	6	0.11
(1,118)	1:47:A:GLN:HE21	1:44:A:THR:HG23	6	0.11
(1,118)	1:47:A:GLN:HE22	1:44:A:THR:HG21	6	0.11
(1,118)	1:47:A:GLN:HE22	1:44:A:THR:HG22	6	0.11
(1,118)	1:47:A:GLN:HE22	1:44:A:THR:HG23	6	0.11
(1,118)	1:47:A:GLN:HE21	1:44:A:THR:HG21	11	0.11
(1,118)	1:47:A:GLN:HE21	1:44:A:THR:HG22	11	0.11
(1,118)	1:47:A:GLN:HE21	1:44:A:THR:HG23	11	0.11
(1,118)	1:47:A:GLN:HE22	1:44:A:THR:HG21	11	0.11
(1,118)	1:47:A:GLN:HE22	1:44:A:THR:HG22	11	0.11
(1,118)	1:47:A:GLN:HE22	1:44:A:THR:HG23	11	0.11
(1,99)	1:42:A:LEU:H	1:39:A:LEU:HG	2	0.11
(1,99)	1:42:A:LEU:H	1:39:A:LEU:HG	8	0.11
(1,99)	1:42:A:LEU:H	1:39:A:LEU:HG	9	0.11
(1,12)	1:10:A:LEU:HB2	1:14:A:ILE:HG21	9	0.11
(1,12)	1:10:A:LEU:HB2	1:14:A:ILE:HG22	9	0.11
(1,12)	1:10:A:LEU:HB2	1:14:A:ILE:HG23	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12)	1:10:A:LEU:HB3	1:14:A:ILE:HG21	9	0.11
(1,12)	1:10:A:LEU:HB3	1:14:A:ILE:HG22	9	0.11
(1,12)	1:10:A:LEU:HB3	1:14:A:ILE:HG23	9	0.11
(1,3)	1:2:A:PHE:HZ	1:4:A:ILE:HD11	13	0.11
(1,3)	1:2:A:PHE:HZ	1:4:A:ILE:HD12	13	0.11
(1,3)	1:2:A:PHE:HZ	1:4:A:ILE:HD13	13	0.11
(4,136)	1:41:A:SER:O	1:45:A:THR:N	6	0.1
(4,134)	1:39:A:LEU:O	1:43:A:ALA:N	12	0.1
(4,127)	1:32:A:VAL:O	1:36:A:ILE:N	7	0.1
(4,118)	1:14:A:ILE:O	1:18:A:VAL:N	13	0.1
(4,116)	1:11:A:LEU:O	1:15:A:ILE:N	10	0.1
(4,113)	1:8:A:GLU:O	1:12:A:VAL:N	5	0.1
(4,109)	1:92:A:MET:O	1:96:A:TYR:H	2	0.1
(4,107)	1:91:A:SER:O	1:95:A:SER:H	4	0.1
(4,107)	1:91:A:SER:O	1:95:A:SER:H	5	0.1
(4,107)	1:91:A:SER:O	1:95:A:SER:H	13	0.1
(4,107)	1:91:A:SER:O	1:95:A:SER:H	14	0.1
(4,105)	1:90:A:GLU:O	1:94:A:ARG:H	4	0.1
(4,101)	1:88:A:ALA:O	1:92:A:MET:H	12	0.1
(4,101)	1:88:A:ALA:O	1:92:A:MET:H	13	0.1
(4,101)	1:88:A:ALA:O	1:92:A:MET:H	15	0.1
(4,93)	1:84:A:GLU:O	1:88:A:ALA:H	8	0.1
(4,93)	1:84:A:GLU:O	1:88:A:ALA:H	13	0.1
(4,79)	1:77:A:GLU:O	1:81:A:SER:H	13	0.1
(4,75)	1:67:A:GLU:O	1:71:A:LEU:H	10	0.1
(4,70)	1:64:A:LYS:O	1:68:A:LYS:N	7	0.1
(4,65)	1:62:A:SER:O	1:66:A:VAL:H	6	0.1
(4,50)	1:40:A:ARG:O	1:44:A:THR:N	2	0.1
(4,50)	1:40:A:ARG:O	1:44:A:THR:N	5	0.1
(4,50)	1:40:A:ARG:O	1:44:A:THR:N	8	0.1
(4,45)	1:38:A:ALA:O	1:42:A:LEU:H	1	0.1
(4,45)	1:38:A:ALA:O	1:42:A:LEU:H	4	0.1
(4,45)	1:38:A:ALA:O	1:42:A:LEU:H	5	0.1
(4,45)	1:38:A:ALA:O	1:42:A:LEU:H	7	0.1
(4,45)	1:38:A:ALA:O	1:42:A:LEU:H	12	0.1
(4,41)	1:36:A:ILE:O	1:40:A:ARG:H	8	0.1
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG21	1	0.1
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG22	1	0.1
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG23	1	0.1
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG21	2	0.1
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG22	2	0.1
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG23	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG21	12	0.1
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG22	12	0.1
(2,630)	1:71:A:LEU:HG	1:72:A:THR:HG23	12	0.1
(2,595)	1:49:A:GLU:HA	1:54:A:LEU:H	11	0.1
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG21	1	0.1
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG22	1	0.1
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG23	1	0.1
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG21	2	0.1
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG22	2	0.1
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG23	2	0.1
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG21	12	0.1
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG22	12	0.1
(2,555)	1:71:A:LEU:HG	1:72:A:THR:HG23	12	0.1
(2,520)	1:49:A:GLU:HA	1:54:A:LEU:H	11	0.1
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG21	1	0.1
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG22	1	0.1
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG23	1	0.1
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG21	2	0.1
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG22	2	0.1
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG23	2	0.1
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG21	12	0.1
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG22	12	0.1
(2,480)	1:71:A:LEU:HG	1:72:A:THR:HG23	12	0.1
(2,445)	1:49:A:GLU:HA	1:54:A:LEU:H	11	0.1
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG21	1	0.1
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG22	1	0.1
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG23	1	0.1
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG21	2	0.1
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG22	2	0.1
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG23	2	0.1
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG21	12	0.1
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG22	12	0.1
(2,405)	1:71:A:LEU:HG	1:72:A:THR:HG23	12	0.1
(2,370)	1:49:A:GLU:HA	1:54:A:LEU:H	11	0.1
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG21	1	0.1
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG22	1	0.1
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG23	1	0.1
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG21	2	0.1
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG22	2	0.1
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG23	2	0.1
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG21	12	0.1
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG22	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,330)	1:71:A:LEU:HG	1:72:A:THR:HG23	12	0.1
(2,295)	1:49:A:GLU:HA	1:54:A:LEU:H	11	0.1
(2,231)	1:101:A:PRO:HD2	1:98:A:ALA:H	6	0.1
(2,231)	1:101:A:PRO:HD3	1:98:A:ALA:H	6	0.1
(2,206)	1:84:A:GLU:H	1:82:A:MET:HE1	8	0.1
(2,206)	1:84:A:GLU:H	1:82:A:MET:HE2	8	0.1
(2,206)	1:84:A:GLU:H	1:82:A:MET:HE3	8	0.1
(2,165)	1:63:A:LEU:H	1:66:A:VAL:HB	5	0.1
(2,119)	1:9:A:LEU:HA	1:12:A:VAL:HA	11	0.1
(2,118)	1:8:A:GLU:HB3	1:7:A:SER:HB2	3	0.1
(2,116)	1:6:A:PHE:HE1	1:4:A:ILE:HA	9	0.1
(2,116)	1:6:A:PHE:HE2	1:4:A:ILE:HA	9	0.1
(2,116)	1:6:A:PHE:HE1	1:4:A:ILE:HA	14	0.1
(2,116)	1:6:A:PHE:HE2	1:4:A:ILE:HA	14	0.1
(2,100)	1:93:A:LYS:HB2	1:96:A:TYR:HE1	3	0.1
(2,100)	1:93:A:LYS:HB2	1:96:A:TYR:HE2	3	0.1
(2,86)	1:72:A:THR:HA	1:74:A:LEU:HB2	15	0.1
(2,21)	1:17:A:LEU:H	1:20:A:LEU:HD21	9	0.1
(2,21)	1:17:A:LEU:H	1:20:A:LEU:HD22	9	0.1
(2,21)	1:17:A:LEU:H	1:20:A:LEU:HD23	9	0.1
(2,21)	1:17:A:LEU:H	1:20:A:LEU:HD21	15	0.1
(2,21)	1:17:A:LEU:H	1:20:A:LEU:HD22	15	0.1
(2,21)	1:17:A:LEU:H	1:20:A:LEU:HD23	15	0.1
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD21	14	0.1
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD22	14	0.1
(1,2810)	1:52:A:GLN:H	1:50:A:LEU:HD23	14	0.1
(1,2803)	1:50:A:LEU:H	1:54:A:LEU:HB3	2	0.1
(1,2760)	1:22:A:PRO:HA	1:17:A:LEU:HD11	2	0.1
(1,2760)	1:22:A:PRO:HA	1:17:A:LEU:HD12	2	0.1
(1,2760)	1:22:A:PRO:HA	1:17:A:LEU:HD13	2	0.1
(1,2760)	1:22:A:PRO:HA	1:17:A:LEU:HD21	2	0.1
(1,2760)	1:22:A:PRO:HA	1:17:A:LEU:HD22	2	0.1
(1,2760)	1:22:A:PRO:HA	1:17:A:LEU:HD23	2	0.1
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD21	14	0.1
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD22	14	0.1
(1,2686)	1:52:A:GLN:H	1:50:A:LEU:HD23	14	0.1
(1,2679)	1:50:A:LEU:H	1:54:A:LEU:HB3	2	0.1
(1,2636)	1:22:A:PRO:HA	1:17:A:LEU:HD11	2	0.1
(1,2636)	1:22:A:PRO:HA	1:17:A:LEU:HD12	2	0.1
(1,2636)	1:22:A:PRO:HA	1:17:A:LEU:HD13	2	0.1
(1,2636)	1:22:A:PRO:HA	1:17:A:LEU:HD21	2	0.1
(1,2636)	1:22:A:PRO:HA	1:17:A:LEU:HD22	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2636)	1:22:A:PRO:HA	1:17:A:LEU:HD23	2	0.1
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD21	14	0.1
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD22	14	0.1
(1,2562)	1:52:A:GLN:H	1:50:A:LEU:HD23	14	0.1
(1,2555)	1:50:A:LEU:H	1:54:A:LEU:HB3	2	0.1
(1,2512)	1:22:A:PRO:HA	1:17:A:LEU:HD11	2	0.1
(1,2512)	1:22:A:PRO:HA	1:17:A:LEU:HD12	2	0.1
(1,2512)	1:22:A:PRO:HA	1:17:A:LEU:HD13	2	0.1
(1,2512)	1:22:A:PRO:HA	1:17:A:LEU:HD21	2	0.1
(1,2512)	1:22:A:PRO:HA	1:17:A:LEU:HD22	2	0.1
(1,2512)	1:22:A:PRO:HA	1:17:A:LEU:HD23	2	0.1
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD21	14	0.1
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD22	14	0.1
(1,2438)	1:52:A:GLN:H	1:50:A:LEU:HD23	14	0.1
(1,2431)	1:50:A:LEU:H	1:54:A:LEU:HB3	2	0.1
(1,2388)	1:22:A:PRO:HA	1:17:A:LEU:HD11	2	0.1
(1,2388)	1:22:A:PRO:HA	1:17:A:LEU:HD12	2	0.1
(1,2388)	1:22:A:PRO:HA	1:17:A:LEU:HD13	2	0.1
(1,2388)	1:22:A:PRO:HA	1:17:A:LEU:HD21	2	0.1
(1,2388)	1:22:A:PRO:HA	1:17:A:LEU:HD22	2	0.1
(1,2388)	1:22:A:PRO:HA	1:17:A:LEU:HD23	2	0.1
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD21	14	0.1
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD22	14	0.1
(1,2314)	1:52:A:GLN:H	1:50:A:LEU:HD23	14	0.1
(1,2307)	1:50:A:LEU:H	1:54:A:LEU:HB3	2	0.1
(1,2264)	1:22:A:PRO:HA	1:17:A:LEU:HD11	2	0.1
(1,2264)	1:22:A:PRO:HA	1:17:A:LEU:HD12	2	0.1
(1,2264)	1:22:A:PRO:HA	1:17:A:LEU:HD13	2	0.1
(1,2264)	1:22:A:PRO:HA	1:17:A:LEU:HD21	2	0.1
(1,2264)	1:22:A:PRO:HA	1:17:A:LEU:HD22	2	0.1
(1,2264)	1:22:A:PRO:HA	1:17:A:LEU:HD23	2	0.1
(1,2163)	1:93:A:LYS:HA	1:96:A:TYR:HB2	5	0.1
(1,2163)	1:93:A:LYS:HA	1:96:A:TYR:HB3	5	0.1
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB1	5	0.1
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB2	5	0.1
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB3	5	0.1
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB1	11	0.1
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB2	11	0.1
(1,2112)	1:85:A:LEU:HA	1:88:A:ALA:HB3	11	0.1
(1,2050)	1:79:A:LYS:H	1:82:A:MET:HG2	2	0.1
(1,2050)	1:79:A:LYS:H	1:82:A:MET:HG3	2	0.1
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD2	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD3	1	0.1
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD2	2	0.1
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD3	2	0.1
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD2	4	0.1
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD3	4	0.1
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD2	5	0.1
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD3	5	0.1
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD2	7	0.1
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD3	7	0.1
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD2	10	0.1
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD3	10	0.1
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD2	11	0.1
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD3	11	0.1
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD2	12	0.1
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD3	12	0.1
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD2	14	0.1
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD3	14	0.1
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD2	15	0.1
(1,2024)	1:77:A:GLU:H	1:76:A:PRO:HD3	15	0.1
(1,2019)	1:76:A:PRO:HA	1:79:A:LYS:HG2	7	0.1
(1,2019)	1:76:A:PRO:HA	1:79:A:LYS:HG3	7	0.1
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG21	5	0.1
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG22	5	0.1
(1,2012)	1:76:A:PRO:HD2	1:75:A:THR:HG23	5	0.1
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG21	5	0.1
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG22	5	0.1
(1,2012)	1:76:A:PRO:HD3	1:75:A:THR:HG23	5	0.1
(1,2000)	1:73:A:ASN:HD21	1:74:A:LEU:HD11	14	0.1
(1,2000)	1:73:A:ASN:HD21	1:74:A:LEU:HD12	14	0.1
(1,2000)	1:73:A:ASN:HD21	1:74:A:LEU:HD13	14	0.1
(1,1994)	1:73:A:ASN:HD21	1:72:A:THR:HG21	2	0.1
(1,1994)	1:73:A:ASN:HD21	1:72:A:THR:HG22	2	0.1
(1,1994)	1:73:A:ASN:HD21	1:72:A:THR:HG23	2	0.1
(1,1994)	1:73:A:ASN:HD22	1:72:A:THR:HG21	2	0.1
(1,1994)	1:73:A:ASN:HD22	1:72:A:THR:HG22	2	0.1
(1,1994)	1:73:A:ASN:HD22	1:72:A:THR:HG23	2	0.1
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD11	9	0.1
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD12	9	0.1
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD13	9	0.1
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD21	9	0.1
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD22	9	0.1
(1,1969)	1:70:A:SER:HB2	1:74:A:LEU:HD23	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD21	9	0.1
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD22	9	0.1
(1,1969)	1:70:A:SER:HB3	1:74:A:LEU:HD23	9	0.1
(1,1926)	1:65:A:LYS:H	1:64:A:LYS:H	13	0.1
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG11	3	0.1
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG12	3	0.1
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG13	3	0.1
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG21	3	0.1
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG22	3	0.1
(1,1825)	1:47:A:GLN:HA	1:46:A:VAL:HG23	3	0.1
(1,1820)	1:46:A:VAL:HA	1:45:A:THR:HG21	2	0.1
(1,1820)	1:46:A:VAL:HA	1:45:A:THR:HG22	2	0.1
(1,1820)	1:46:A:VAL:HA	1:45:A:THR:HG23	2	0.1
(1,1811)	1:45:A:THR:H	1:46:A:VAL:H	11	0.1
(1,1786)	1:42:A:LEU:H	1:41:A:SER:HB2	10	0.1
(1,1786)	1:42:A:LEU:H	1:41:A:SER:HB3	10	0.1
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD11	9	0.1
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD12	9	0.1
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD13	9	0.1
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD21	9	0.1
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD22	9	0.1
(1,1778)	1:40:A:ARG:H	1:39:A:LEU:HD23	9	0.1
(1,1710)	1:24:A:ARG:H	1:23:A:GLN:HB2	4	0.1
(1,1710)	1:24:A:ARG:H	1:23:A:GLN:HB3	4	0.1
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG11	2	0.1
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG12	2	0.1
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG13	2	0.1
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG21	2	0.1
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG22	2	0.1
(1,1695)	1:21:A:GLY:H	1:19:A:VAL:HG23	2	0.1
(1,1685)	1:18:A:VAL:H	1:17:A:LEU:HB2	6	0.1
(1,1685)	1:18:A:VAL:H	1:17:A:LEU:HB3	6	0.1
(1,1645)	1:13:A:PHE:HD1	1:17:A:LEU:HG	10	0.1
(1,1645)	1:13:A:PHE:HD2	1:17:A:LEU:HG	10	0.1
(1,1624)	1:10:A:LEU:HA	1:13:A:PHE:HB2	3	0.1
(1,1624)	1:10:A:LEU:HA	1:13:A:PHE:HB3	3	0.1
(1,1615)	1:8:A:GLU:H	1:9:A:LEU:H	7	0.1
(1,1596)	1:6:A:PHE:H	1:8:A:GLU:H	4	0.1
(1,1590)	1:6:A:PHE:HB3	1:5:A:GLY:HA3	3	0.1
(1,1408)	1:46:A:VAL:HA	1:49:A:GLU:H	5	0.1
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB1	5	0.1
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB2	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1398)	1:44:A:THR:HA	1:43:A:ALA:HB3	5	0.1
(1,1336)	1:32:A:VAL:HA	1:31:A:THR:HG21	3	0.1
(1,1336)	1:32:A:VAL:HA	1:31:A:THR:HG22	3	0.1
(1,1336)	1:32:A:VAL:HA	1:31:A:THR:HG23	3	0.1
(1,1336)	1:32:A:VAL:HA	1:31:A:THR:HG21	6	0.1
(1,1336)	1:32:A:VAL:HA	1:31:A:THR:HG22	6	0.1
(1,1336)	1:32:A:VAL:HA	1:31:A:THR:HG23	6	0.1
(1,1336)	1:32:A:VAL:HA	1:31:A:THR:HG21	10	0.1
(1,1336)	1:32:A:VAL:HA	1:31:A:THR:HG22	10	0.1
(1,1336)	1:32:A:VAL:HA	1:31:A:THR:HG23	10	0.1
(1,1216)	1:48:A:ASN:HD22	1:44:A:THR:HG21	10	0.1
(1,1216)	1:48:A:ASN:HD22	1:44:A:THR:HG22	10	0.1
(1,1216)	1:48:A:ASN:HD22	1:44:A:THR:HG23	10	0.1
(1,1168)	1:48:A:ASN:HD22	1:44:A:THR:HG21	10	0.1
(1,1168)	1:48:A:ASN:HD22	1:44:A:THR:HG22	10	0.1
(1,1168)	1:48:A:ASN:HD22	1:44:A:THR:HG23	10	0.1
(1,1120)	1:48:A:ASN:HD22	1:44:A:THR:HG21	10	0.1
(1,1120)	1:48:A:ASN:HD22	1:44:A:THR:HG22	10	0.1
(1,1120)	1:48:A:ASN:HD22	1:44:A:THR:HG23	10	0.1
(1,1072)	1:48:A:ASN:HD22	1:44:A:THR:HG21	10	0.1
(1,1072)	1:48:A:ASN:HD22	1:44:A:THR:HG22	10	0.1
(1,1072)	1:48:A:ASN:HD22	1:44:A:THR:HG23	10	0.1
(1,1024)	1:48:A:ASN:HD22	1:44:A:THR:HG21	10	0.1
(1,1024)	1:48:A:ASN:HD22	1:44:A:THR:HG22	10	0.1
(1,1024)	1:48:A:ASN:HD22	1:44:A:THR:HG23	10	0.1
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB2	11	0.1
(1,872)	1:20:A:LEU:HD21	1:25:A:LEU:HB3	11	0.1
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB2	11	0.1
(1,872)	1:20:A:LEU:HD22	1:25:A:LEU:HB3	11	0.1
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB2	11	0.1
(1,872)	1:20:A:LEU:HD23	1:25:A:LEU:HB3	11	0.1
(1,814)	1:94:A:ARG:H	1:97:A:VAL:HG21	4	0.1
(1,814)	1:94:A:ARG:H	1:97:A:VAL:HG22	4	0.1
(1,814)	1:94:A:ARG:H	1:97:A:VAL:HG23	4	0.1
(1,814)	1:94:A:ARG:H	1:97:A:VAL:HG21	7	0.1
(1,814)	1:94:A:ARG:H	1:97:A:VAL:HG22	7	0.1
(1,814)	1:94:A:ARG:H	1:97:A:VAL:HG23	7	0.1
(1,637)	1:74:A:LEU:H	1:72:A:THR:HG21	10	0.1
(1,637)	1:74:A:LEU:H	1:72:A:THR:HG22	10	0.1
(1,637)	1:74:A:LEU:H	1:72:A:THR:HG23	10	0.1
(1,637)	1:74:A:LEU:H	1:72:A:THR:HG21	11	0.1
(1,637)	1:74:A:LEU:H	1:72:A:THR:HG22	11	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,637)	1:74:A:LEU:H	1:72:A:THR:HG23	11	0.1
(1,627)	1:73:A:ASN:HA	1:72:A:THR:HG21	6	0.1
(1,627)	1:73:A:ASN:HA	1:72:A:THR:HG22	6	0.1
(1,627)	1:73:A:ASN:HA	1:72:A:THR:HG23	6	0.1
(1,621)	1:72:A:THR:H	1:74:A:LEU:HD21	4	0.1
(1,621)	1:72:A:THR:H	1:74:A:LEU:HD22	4	0.1
(1,621)	1:72:A:THR:H	1:74:A:LEU:HD23	4	0.1
(1,621)	1:72:A:THR:H	1:74:A:LEU:HD21	14	0.1
(1,621)	1:72:A:THR:H	1:74:A:LEU:HD22	14	0.1
(1,621)	1:72:A:THR:H	1:74:A:LEU:HD23	14	0.1
(1,556)	1:64:A:LYS:HA	1:66:A:VAL:H	8	0.1
(1,438)	1:42:A:LEU:H	1:39:A:LEU:HB2	10	0.1
(1,426)	1:38:A:ALA:H	1:39:A:LEU:HD11	3	0.1
(1,426)	1:38:A:ALA:H	1:39:A:LEU:HD12	3	0.1
(1,426)	1:38:A:ALA:H	1:39:A:LEU:HD13	3	0.1
(1,426)	1:38:A:ALA:H	1:39:A:LEU:HD21	3	0.1
(1,426)	1:38:A:ALA:H	1:39:A:LEU:HD22	3	0.1
(1,426)	1:38:A:ALA:H	1:39:A:LEU:HD23	3	0.1
(1,401)	1:33:A:ALA:H	1:31:A:THR:H	1	0.1
(1,360)	1:24:A:ARG:H	1:22:A:PRO:HB2	3	0.1
(1,360)	1:24:A:ARG:H	1:22:A:PRO:HB3	3	0.1
(1,360)	1:24:A:ARG:H	1:22:A:PRO:HB2	7	0.1
(1,360)	1:24:A:ARG:H	1:22:A:PRO:HB3	7	0.1
(1,360)	1:24:A:ARG:H	1:22:A:PRO:HB2	8	0.1
(1,360)	1:24:A:ARG:H	1:22:A:PRO:HB3	8	0.1
(1,360)	1:24:A:ARG:H	1:22:A:PRO:HB2	10	0.1
(1,360)	1:24:A:ARG:H	1:22:A:PRO:HB3	10	0.1
(1,360)	1:24:A:ARG:H	1:22:A:PRO:HB2	13	0.1
(1,360)	1:24:A:ARG:H	1:22:A:PRO:HB3	13	0.1
(1,311)	1:14:A:ILE:HA	1:17:A:LEU:HG	12	0.1
(1,262)	1:8:A:GLU:HB2	1:4:A:ILE:HA	7	0.1
(1,118)	1:47:A:GLN:HE21	1:44:A:THR:HG21	2	0.1
(1,118)	1:47:A:GLN:HE21	1:44:A:THR:HG22	2	0.1
(1,118)	1:47:A:GLN:HE21	1:44:A:THR:HG23	2	0.1
(1,118)	1:47:A:GLN:HE22	1:44:A:THR:HG21	2	0.1
(1,118)	1:47:A:GLN:HE22	1:44:A:THR:HG22	2	0.1
(1,118)	1:47:A:GLN:HE22	1:44:A:THR:HG23	2	0.1
(1,99)	1:42:A:LEU:H	1:39:A:LEU:HG	3	0.1
(1,99)	1:42:A:LEU:H	1:39:A:LEU:HG	6	0.1
(1,99)	1:42:A:LEU:H	1:39:A:LEU:HG	7	0.1
(1,20)	1:12:A:VAL:H	1:15:A:ILE:HD11	5	0.1
(1,20)	1:12:A:VAL:H	1:15:A:ILE:HD12	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20)	1:12:A:VAL:H	1:15:A:ILE:HD13	5	0.1
(1,20)	1:12:A:VAL:H	1:15:A:ILE:HD11	6	0.1
(1,20)	1:12:A:VAL:H	1:15:A:ILE:HD12	6	0.1
(1,20)	1:12:A:VAL:H	1:15:A:ILE:HD13	6	0.1
(1,20)	1:12:A:VAL:H	1:15:A:ILE:HD11	9	0.1
(1,20)	1:12:A:VAL:H	1:15:A:ILE:HD12	9	0.1
(1,20)	1:12:A:VAL:H	1:15:A:ILE:HD13	9	0.1
(1,13)	1:10:A:LEU:HB2	1:14:A:ILE:HD11	1	0.1
(1,13)	1:10:A:LEU:HB2	1:14:A:ILE:HD12	1	0.1
(1,13)	1:10:A:LEU:HB2	1:14:A:ILE:HD13	1	0.1
(1,13)	1:10:A:LEU:HB3	1:14:A:ILE:HD11	1	0.1
(1,13)	1:10:A:LEU:HB3	1:14:A:ILE:HD12	1	0.1
(1,13)	1:10:A:LEU:HB3	1:14:A:ILE:HD13	1	0.1
(1,12)	1:10:A:LEU:HB2	1:14:A:ILE:HG21	12	0.1
(1,12)	1:10:A:LEU:HB2	1:14:A:ILE:HG22	12	0.1
(1,12)	1:10:A:LEU:HB2	1:14:A:ILE:HG23	12	0.1
(1,12)	1:10:A:LEU:HB3	1:14:A:ILE:HG21	12	0.1
(1,12)	1:10:A:LEU:HB3	1:14:A:ILE:HG22	12	0.1
(1,12)	1:10:A:LEU:HB3	1:14:A:ILE:HG23	12	0.1
(1,3)	1:2:A:PHE:HZ	1:4:A:ILE:HD11	15	0.1
(1,3)	1:2:A:PHE:HZ	1:4:A:ILE:HD12	15	0.1
(1,3)	1:2:A:PHE:HZ	1:4:A:ILE:HD13	15	0.1

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

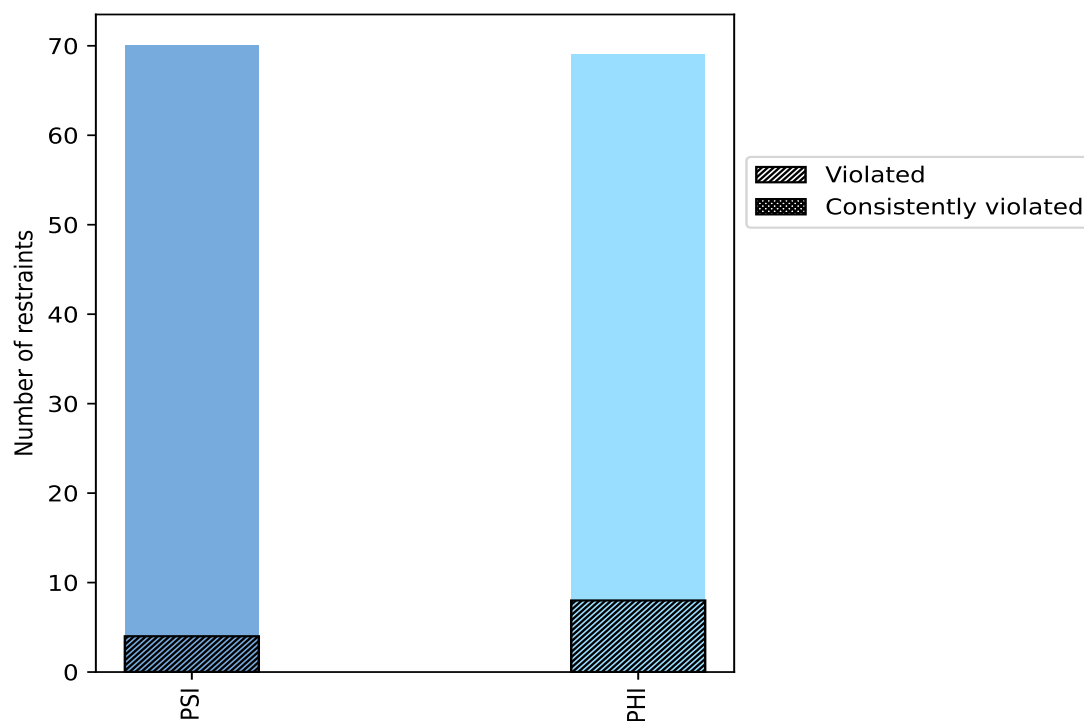
10.1 Summary of dihedral-angle violations [i](#)

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

Angle type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
PSI	70	50.4	4	5.7	2.9	0	0.0	0.0
PHI	69	49.6	8	11.6	5.8	0	0.0	0.0
Total	139	100.0	12	8.6	8.6	0	0.0	0.0

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

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



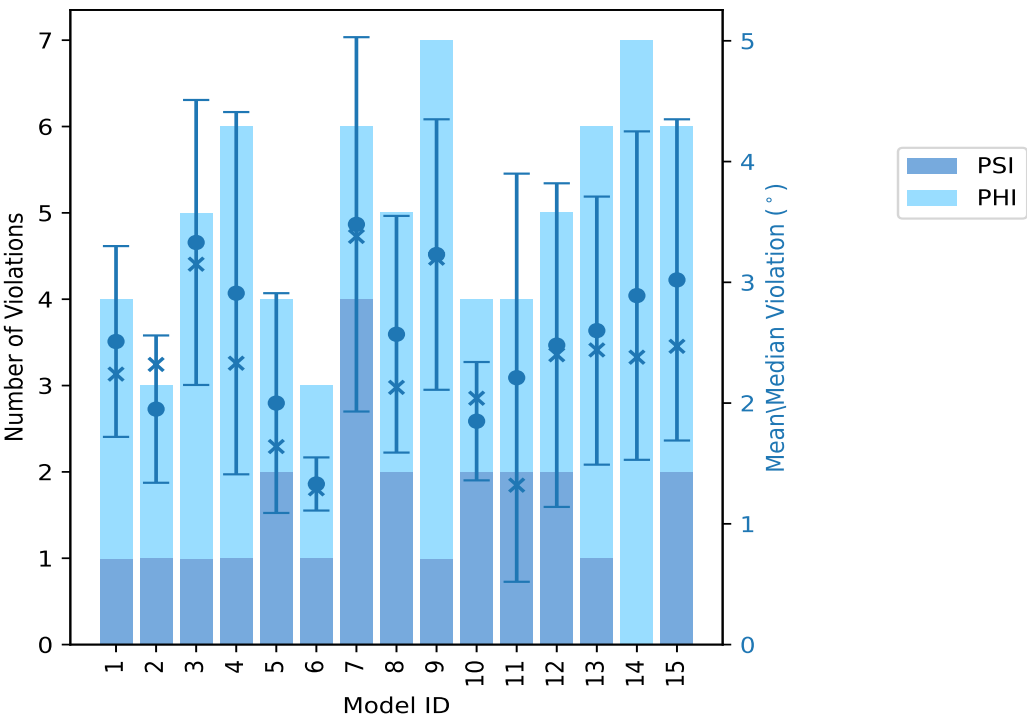
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model ⓘ

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

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PSI	PHI	Total				
1	1	3	4	2.51	3.83	0.79	2.24
2	1	2	3	1.95	2.43	0.61	2.32
3	1	4	5	3.33	5.17	1.18	3.15
4	1	5	6	2.91	6.0	1.5	2.33
5	2	2	4	2.0	3.54	0.91	1.64
6	1	2	3	1.33	1.62	0.22	1.29
7	4	2	6	3.48	5.54	1.55	3.38
8	2	3	5	2.57	4.37	0.98	2.13
9	1	6	7	3.23	5.19	1.12	3.2
10	2	2	4	1.85	2.3	0.49	2.04
11	2	2	4	2.21	5.13	1.69	1.32
12	2	3	5	2.48	4.57	1.34	2.4
13	1	5	6	2.6	4.35	1.11	2.44
14	0	7	7	2.89	5.91	1.36	2.38
15	2	4	6	3.02	4.93	1.33	2.47

10.2.1 Bar graph : Dihedral violation statistics for each model ⓘ



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

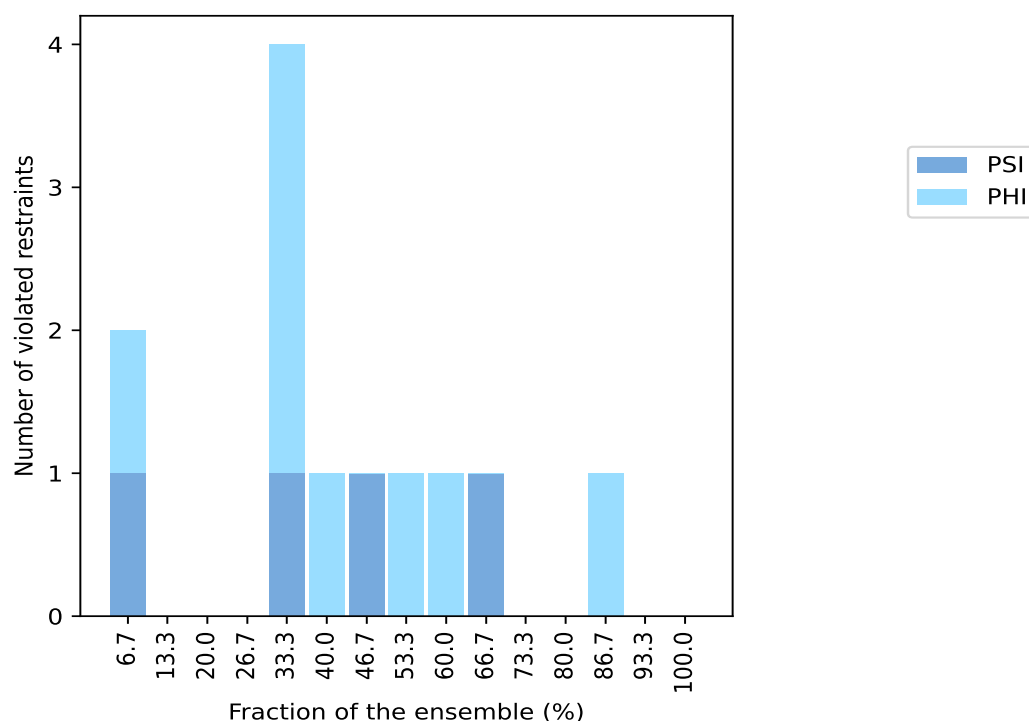
10.3 Dihedral-angle violation statistics for the ensemble [i](#)

Violation analysis may find that some restraints are violated in very few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of ensemble.

Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count ¹	%
1	1	2	1	6.7
0	0	0	2	13.3
0	0	0	3	20.0
0	0	0	4	26.7
1	3	4	5	33.3
0	1	1	6	40.0
1	0	1	7	46.7
0	1	1	8	53.3
0	1	1	9	60.0
1	0	1	10	66.7
0	0	0	11	73.3
0	0	0	12	80.0
0	1	1	13	86.7
0	0	0	14	93.3
0	0	0	15	100.0

¹ Number of models with violations

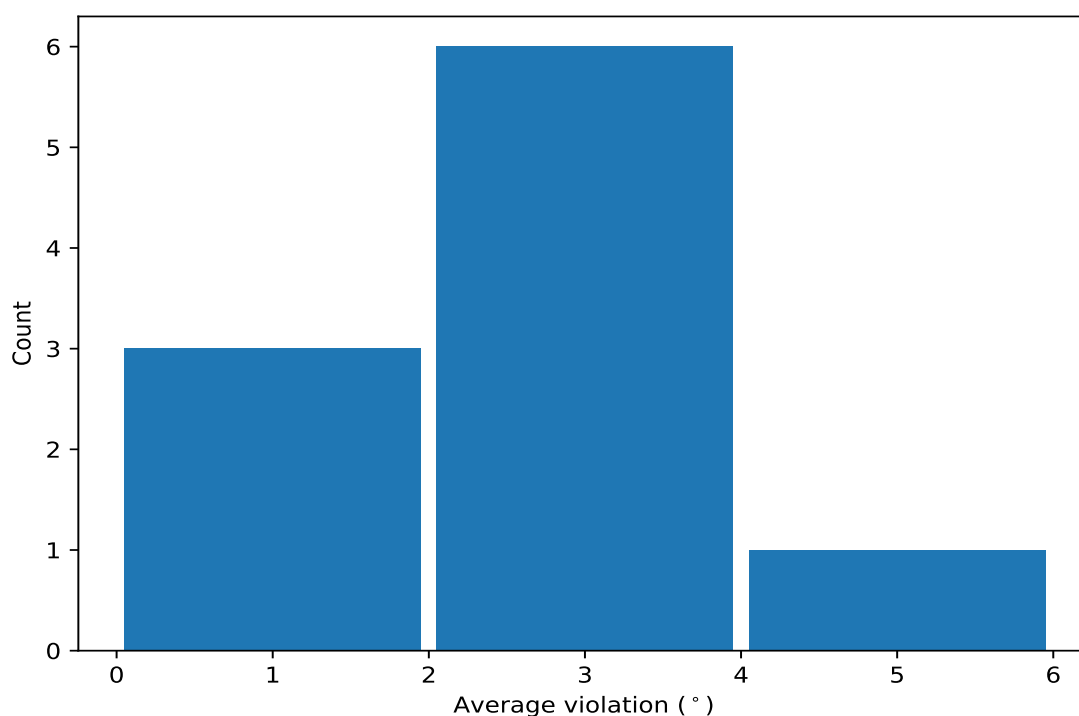
10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble [i](#)



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

10.4.1 Histogram : Distribution of mean dihedral-angle violations [i](#)

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



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

The following table provides the mean and the standard deviation of the violation for each restraint sorted by number of violated models and the mean value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

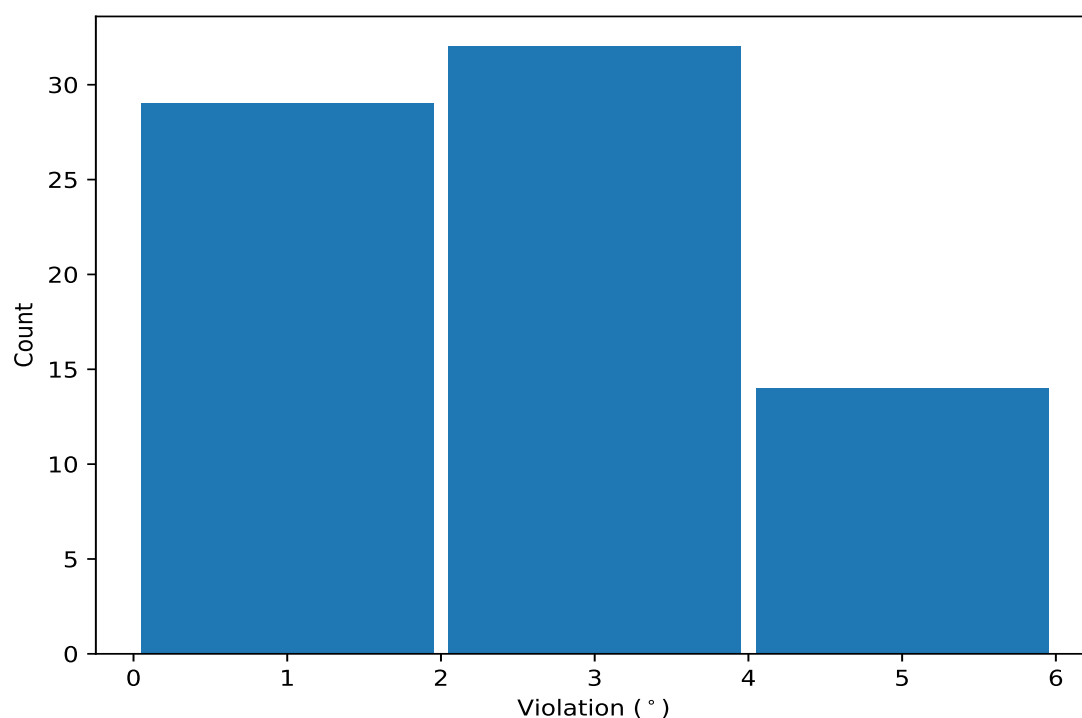
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,26)	1:18:A:VAL:C	1:19:A:VAL:N	1:19:A:VAL:CA	1:19:A:VAL:C	13	1.93	0.35	1.98
(1,69)	1:56:A:LEU:N	1:56:A:LEU:CA	1:56:A:LEU:C	1:57:A:GLN:N	10	3.1	1.15	3.42
(1,2)	1:6:A:PHE:C	1:7:A:SER:N	1:7:A:SER:CA	1:7:A:SER:C	9	2.58	0.62	2.3
(1,95)	1:69:A:ALA:C	1:70:A:SER:N	1:70:A:SER:CA	1:70:A:SER:C	8	4.19	1.85	4.9
(1,98)	1:71:A:LEU:N	1:71:A:LEU:CA	1:71:A:LEU:C	1:72:A:THR:N	7	1.77	1.31	1.35
(1,135)	1:94:A:ARG:C	1:95:A:SER:N	1:95:A:SER:CA	1:95:A:SER:C	6	1.62	0.57	1.33
(1,68)	1:55:A:LYS:C	1:56:A:LEU:N	1:56:A:LEU:CA	1:56:A:LEU:C	5	3.43	1.46	3.63
(1,3)	1:7:A:SER:N	1:7:A:SER:CA	1:7:A:SER:C	1:8:A:GLU:N	5	3.13	1.31	3.3
(1,97)	1:70:A:SER:C	1:71:A:LEU:N	1:71:A:LEU:CA	1:71:A:LEU:C	5	2.86	0.3	2.93
(1,137)	1:95:A:SER:C	1:96:A:TYR:N	1:96:A:TYR:CA	1:96:A:TYR:C	5	2.45	1.09	1.85

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

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

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

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



10.5.2 Table: All violated dihedral-angle restraints [i](#)

The following table lists the absolute value of the violation for each restraint in the ensemble sorted by its value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,95)	1:69:A:ALA:C	1:70:A:SER:N	1:70:A:SER:CA	1:70:A:SER:C	4	6.0
(1,95)	1:69:A:ALA:C	1:70:A:SER:N	1:70:A:SER:CA	1:70:A:SER:C	14	5.91
(1,68)	1:55:A:LYS:C	1:56:A:LEU:N	1:56:A:LEU:CA	1:56:A:LEU:C	7	5.54
(1,69)	1:56:A:LEU:N	1:56:A:LEU:CA	1:56:A:LEU:C	1:57:A:GLN:N	7	5.24
(1,95)	1:69:A:ALA:C	1:70:A:SER:N	1:70:A:SER:CA	1:70:A:SER:C	9	5.19
(1,95)	1:69:A:ALA:C	1:70:A:SER:N	1:70:A:SER:CA	1:70:A:SER:C	3	5.17
(1,3)	1:7:A:SER:N	1:7:A:SER:CA	1:7:A:SER:C	1:8:A:GLU:N	11	5.13
(1,98)	1:71:A:LEU:N	1:71:A:LEU:CA	1:71:A:LEU:C	1:72:A:THR:N	15	4.93
(1,95)	1:69:A:ALA:C	1:70:A:SER:N	1:70:A:SER:CA	1:70:A:SER:C	15	4.64
(1,137)	1:95:A:SER:C	1:96:A:TYR:N	1:96:A:TYR:CA	1:96:A:TYR:C	12	4.57
(1,68)	1:55:A:LYS:C	1:56:A:LEU:N	1:56:A:LEU:CA	1:56:A:LEU:C	8	4.37
(1,95)	1:69:A:ALA:C	1:70:A:SER:N	1:70:A:SER:CA	1:70:A:SER:C	13	4.35
(1,69)	1:56:A:LEU:N	1:56:A:LEU:CA	1:56:A:LEU:C	1:57:A:GLN:N	9	4.11
(1,2)	1:6:A:PHE:C	1:7:A:SER:N	1:7:A:SER:CA	1:7:A:SER:C	3	4.09
(1,69)	1:56:A:LEU:N	1:56:A:LEU:CA	1:56:A:LEU:C	1:57:A:GLN:N	1	3.83
(1,3)	1:7:A:SER:N	1:7:A:SER:CA	1:7:A:SER:C	1:8:A:GLU:N	7	3.8
(1,133)	1:93:A:LYS:C	1:94:A:ARG:N	1:94:A:ARG:CA	1:94:A:ARG:C	9	3.72
(1,68)	1:55:A:LYS:C	1:56:A:LEU:N	1:56:A:LEU:CA	1:56:A:LEU:C	14	3.63
(1,69)	1:56:A:LEU:N	1:56:A:LEU:CA	1:56:A:LEU:C	1:57:A:GLN:N	5	3.54
(1,69)	1:56:A:LEU:N	1:56:A:LEU:CA	1:56:A:LEU:C	1:57:A:GLN:N	13	3.49
(1,69)	1:56:A:LEU:N	1:56:A:LEU:CA	1:56:A:LEU:C	1:57:A:GLN:N	4	3.34

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,3)	1:7:A:SER:N	1:7:A:SER:CA	1:7:A:SER:C	1:8:A:GLU:N	12	3.3
(1,97)	1:70:A:SER:C	1:71:A:LEU:N	1:71:A:LEU:CA	1:71:A:LEU:C	9	3.2
(1,97)	1:70:A:SER:C	1:71:A:LEU:N	1:71:A:LEU:CA	1:71:A:LEU:C	3	3.15
(1,2)	1:6:A:PHE:C	1:7:A:SER:N	1:7:A:SER:CA	1:7:A:SER:C	15	3.09
(1,70)	1:57:A:GLN:N	1:57:A:GLN:CA	1:57:A:GLN:C	1:58:A:GLU:N	7	2.96
(1,97)	1:70:A:SER:C	1:71:A:LEU:N	1:71:A:LEU:CA	1:71:A:LEU:C	13	2.93
(1,2)	1:6:A:PHE:C	1:7:A:SER:N	1:7:A:SER:CA	1:7:A:SER:C	8	2.79
(1,97)	1:70:A:SER:C	1:71:A:LEU:N	1:71:A:LEU:CA	1:71:A:LEU:C	14	2.52
(1,97)	1:70:A:SER:C	1:71:A:LEU:N	1:71:A:LEU:CA	1:71:A:LEU:C	4	2.51
(1,135)	1:94:A:ARG:C	1:95:A:SER:N	1:95:A:SER:CA	1:95:A:SER:C	9	2.44
(1,26)	1:18:A:VAL:C	1:19:A:VAL:N	1:19:A:VAL:CA	1:19:A:VAL:C	2	2.43
(1,26)	1:18:A:VAL:C	1:19:A:VAL:N	1:19:A:VAL:CA	1:19:A:VAL:C	12	2.4
(1,135)	1:94:A:ARG:C	1:95:A:SER:N	1:95:A:SER:CA	1:95:A:SER:C	14	2.38
(1,137)	1:95:A:SER:C	1:96:A:TYR:N	1:96:A:TYR:CA	1:96:A:TYR:C	1	2.34
(1,2)	1:6:A:PHE:C	1:7:A:SER:N	1:7:A:SER:CA	1:7:A:SER:C	2	2.32
(1,2)	1:6:A:PHE:C	1:7:A:SER:N	1:7:A:SER:CA	1:7:A:SER:C	9	2.3
(1,2)	1:6:A:PHE:C	1:7:A:SER:N	1:7:A:SER:CA	1:7:A:SER:C	10	2.3
(1,69)	1:56:A:LEU:N	1:56:A:LEU:CA	1:56:A:LEU:C	1:57:A:GLN:N	3	2.26
(1,2)	1:6:A:PHE:C	1:7:A:SER:N	1:7:A:SER:CA	1:7:A:SER:C	1	2.14
(1,2)	1:6:A:PHE:C	1:7:A:SER:N	1:7:A:SER:CA	1:7:A:SER:C	4	2.14
(1,26)	1:18:A:VAL:C	1:19:A:VAL:N	1:19:A:VAL:CA	1:19:A:VAL:C	8	2.13
(1,26)	1:18:A:VAL:C	1:19:A:VAL:N	1:19:A:VAL:CA	1:19:A:VAL:C	10	2.09
(1,2)	1:6:A:PHE:C	1:7:A:SER:N	1:7:A:SER:CA	1:7:A:SER:C	14	2.09
(1,26)	1:18:A:VAL:C	1:19:A:VAL:N	1:19:A:VAL:CA	1:19:A:VAL:C	4	2.08
(1,26)	1:18:A:VAL:C	1:19:A:VAL:N	1:19:A:VAL:CA	1:19:A:VAL:C	14	2.06
(1,69)	1:56:A:LEU:N	1:56:A:LEU:CA	1:56:A:LEU:C	1:57:A:GLN:N	10	1.99
(1,26)	1:18:A:VAL:C	1:19:A:VAL:N	1:19:A:VAL:CA	1:19:A:VAL:C	3	1.98
(1,26)	1:18:A:VAL:C	1:19:A:VAL:N	1:19:A:VAL:CA	1:19:A:VAL:C	7	1.96
(1,68)	1:55:A:LYS:C	1:56:A:LEU:N	1:56:A:LEU:CA	1:56:A:LEU:C	13	1.95
(1,69)	1:56:A:LEU:N	1:56:A:LEU:CA	1:56:A:LEU:C	1:57:A:GLN:N	8	1.93
(1,137)	1:95:A:SER:C	1:96:A:TYR:N	1:96:A:TYR:CA	1:96:A:TYR:C	15	1.85
(1,137)	1:95:A:SER:C	1:96:A:TYR:N	1:96:A:TYR:CA	1:96:A:TYR:C	13	1.81
(1,26)	1:18:A:VAL:C	1:19:A:VAL:N	1:19:A:VAL:CA	1:19:A:VAL:C	15	1.81
(1,3)	1:7:A:SER:N	1:7:A:SER:CA	1:7:A:SER:C	1:8:A:GLU:N	15	1.8
(1,26)	1:18:A:VAL:C	1:19:A:VAL:N	1:19:A:VAL:CA	1:19:A:VAL:C	1	1.73
(1,26)	1:18:A:VAL:C	1:19:A:VAL:N	1:19:A:VAL:CA	1:19:A:VAL:C	5	1.71
(1,68)	1:55:A:LYS:C	1:56:A:LEU:N	1:56:A:LEU:CA	1:56:A:LEU:C	9	1.68
(1,137)	1:95:A:SER:C	1:96:A:TYR:N	1:96:A:TYR:CA	1:96:A:TYR:C	14	1.66
(1,26)	1:18:A:VAL:C	1:19:A:VAL:N	1:19:A:VAL:CA	1:19:A:VAL:C	6	1.62
(1,3)	1:7:A:SER:N	1:7:A:SER:CA	1:7:A:SER:C	1:8:A:GLU:N	8	1.61
(1,98)	1:71:A:LEU:N	1:71:A:LEU:CA	1:71:A:LEU:C	1:72:A:THR:N	5	1.57
(1,98)	1:71:A:LEU:N	1:71:A:LEU:CA	1:71:A:LEU:C	1:72:A:THR:N	7	1.4
(1,135)	1:94:A:ARG:C	1:95:A:SER:N	1:95:A:SER:CA	1:95:A:SER:C	4	1.38
(1,98)	1:71:A:LEU:N	1:71:A:LEU:CA	1:71:A:LEU:C	1:72:A:THR:N	11	1.35
(1,69)	1:56:A:LEU:N	1:56:A:LEU:CA	1:56:A:LEU:C	1:57:A:GLN:N	6	1.29
(1,135)	1:94:A:ARG:C	1:95:A:SER:N	1:95:A:SER:CA	1:95:A:SER:C	11	1.28
(1,95)	1:69:A:ALA:C	1:70:A:SER:N	1:70:A:SER:CA	1:70:A:SER:C	5	1.17
(1,135)	1:94:A:ARG:C	1:95:A:SER:N	1:95:A:SER:CA	1:95:A:SER:C	12	1.14
(1,135)	1:94:A:ARG:C	1:95:A:SER:N	1:95:A:SER:CA	1:95:A:SER:C	6	1.09
(1,98)	1:71:A:LEU:N	1:71:A:LEU:CA	1:71:A:LEU:C	1:72:A:THR:N	2	1.09
(1,95)	1:69:A:ALA:C	1:70:A:SER:N	1:70:A:SER:CA	1:70:A:SER:C	11	1.07

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,26)	1:18:A:VAL:C	1:19:A:VAL:N	1:19:A:VAL:CA	1:19:A:VAL:C	13	1.04
(1,98)	1:71:A:LEU:N	1:71:A:LEU:CA	1:71:A:LEU:C	1:72:A:THR:N	10	1.02
(1,98)	1:71:A:LEU:N	1:71:A:LEU:CA	1:71:A:LEU:C	1:72:A:THR:N	12	1.01